

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062366.D
 Acq On : 6 Jul 2020 14:02
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 10:08:42 AM

Quant Time: Jul 07 04:58:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 04:35:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	1169983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1963404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1853092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	923569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	1973723	111.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.98%	
35) Dibromofluoromethane	7.55	113	1333812	102.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.50%	
50) Toluene-d8	10.06	98	4943982	95.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.42%	
62) 4-Bromofluorobenzene	12.38	95	1962129	110.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	220.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	1212955	90.967	ug/l	100
3) Chloromethane	2.04	50	1751609	98.039	ug/l	98
4) Vinyl Chloride	2.16	62	1492756	73.618	ug/l	98
5) Bromomethane	2.51	94	843472m	66.431	ug/l	
6) Chloroethane	2.65	64	878077	64.853	ug/l	97
7) Trichlorofluoromethane	2.98	101	2049950	79.229	ug/l	100
8) Diethyl Ether	3.37	74	814647	90.447	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1147281	85.562	ug/l	100
10) Methyl Iodide	3.91	142	1590238	103.918	ug/l	98
11) Tert butyl alcohol	4.74	59	1415172	562.554	ug/l	98
12) 1,1-Dichloroethene	3.69	96	1114959	83.784	ug/l	98
13) Acrolein	3.56	56	584902	276.989	ug/l	98
14) Allyl chloride	4.27	41	2887794	142.709	ug/l	98
15) Acrylonitrile	4.93	53	3848749	572.078	ug/l	99
16) Acetone	3.77	43	4534502	693.127	ug/l	99
17) Carbon Disulfide	4.01	76	3423527	80.559	ug/l	99
18) Methyl Acetate	4.28	43	1902852	131.962	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	4506494	102.829	ug/l	100
20) Methylene Chloride	4.50	84	1385120	83.919	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	1236868	81.963	ug/l	99
22) Diisopropyl ether	5.90	45	5790479	128.384	ug/l	97
23) Vinyl Acetate	5.84	43	19287806	525.388	ug/l #	87
24) 1,1-Dichloroethane	5.80	63	2748725	99.932	ug/l	100
25) 2-Butanone	6.79	43	6101193	689.944	ug/l	99
26) 2,2-Dichloropropane	6.78	77	2282751	100.402	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	1457233	85.394	ug/l	99
28) Bromochloromethane	7.15	49	1600534	126.480	ug/l	99
29) Tetrahydrofuran	7.17	42	3968442	686.928	ug/l	99
30) Chloroform	7.33	83	2631753	95.232	ug/l	96
31) Cyclohexane	7.61	56	2438729	103.255	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	2261196	97.069	ug/l	99
36) 1,1-Dichloropropene	7.75	75	1985306	99.225	ug/l	100
37) Ethyl Acetate	6.88	43	2478682	137.591	ug/l	99
38) Carbon Tetrachloride	7.73	117	1966015	103.063	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	2162812	99.191	ug/l	96
40) Benzene	8.00	78	5556337	91.961	ug/l	97
41) Methacrylonitrile	7.12	41	1165607	142.600	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	2418450	113.444	ug/l	99
43) Isopropyl Acetate	8.13	43	4166301	141.548	ug/l	99
44) Trichloroethene	8.80	130	1324083	87.743	ug/l	99
45) 1,2-Dichloropropane	9.08	63	1648449	107.576	ug/l	100
46) Dibromomethane	9.18	93	1012286	99.254	ug/l	98
47) Bromodichloromethane	9.37	83	2177076	104.834	ug/l	99
48) Methyl methacrylate	9.17	41	2103913	155.574	ug/l	99
49) 1,4-Dioxane	9.17	88	543648	2041.278	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	9382431	550.411	ug/l #	84
52) Toluene	10.12	92	3454095	94.413	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	2513763	109.687	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	2592367	106.974	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	1365611	94.982	ug/l	98
56) Ethyl methacrylate	10.40	69	2388393	119.989	ug/l	99
57) 1,3-Dichloropropane	10.68	76	2496481	99.162	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	4269611	570.747	ug/l	98
59) 2-Hexanone	10.72	43	7828201	629.220	ug/l	88
60) Dibromochloromethane	10.87	129	1611466	104.223	ug/l	100
61) 1,2-Dibromoethane	10.98	107	1420996	96.004	ug/l	99
64) Tetrachloroethene	10.60	164	1095511	87.163	ug/l	99
65) Chlorobenzene	11.41	112	3622436	89.351	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	1403881	99.186	ug/l	99
67) Ethyl Benzene	11.48	91	6260218	90.690	ug/l	89
68) m/p-Xylenes	11.60	106	4898102	185.355	ug/l	82
69) o-Xylene	11.92	106	2435704	97.744	ug/l	92
70) Styrene	11.94	104	4128402	99.132	ug/l	99
71) Bromoform	12.10	173	1126331	110.302	ug/l #	99
73) Isopropylbenzene	12.22	105	6025876	84.509	ug/l	94
74) N-amyl acetate	12.04	43	3792655	146.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	2106024	88.078	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	1942573m	89.198	ug/l	
77) Bromobenzene	12.50	156	1563608	88.862	ug/l	96
78) n-propylbenzene	12.57	91	6854334	83.776	ug/l	93
79) 2-Chlorotoluene	12.65	91	4580901	92.145	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	5335654	91.805	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.27	75	803427	106.691	ug/l	96
82) 4-Chlorotoluene	12.75	91	4803528	93.437	ug/l	99
83) tert-Butylbenzene	12.97	119	4590741	92.814	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	5282605	91.224	ug/l	96
85) sec-Butylbenzene	13.15	105	5836659	88.857	ug/l	96
86) p-Isopropyltoluene	13.26	119	5260368	91.613	ug/l	95
87) 1,3-Dichlorobenzene	13.26	146	2825848	91.174	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	2835830	88.648	ug/l	100
89) n-Butylbenzene	13.59	91	4929694	102.512	ug/l	96
90) Hexachloroethane	13.85	117	1114693	97.538	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	2708848	90.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	450267	113.708	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	1487340	111.999	ug/l	100
94) Hexachlorobutadiene	14.98	225	727984	119.330	ug/l	99
95) Naphthalene	15.10	128	4072130	106.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	1454156	107.365	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

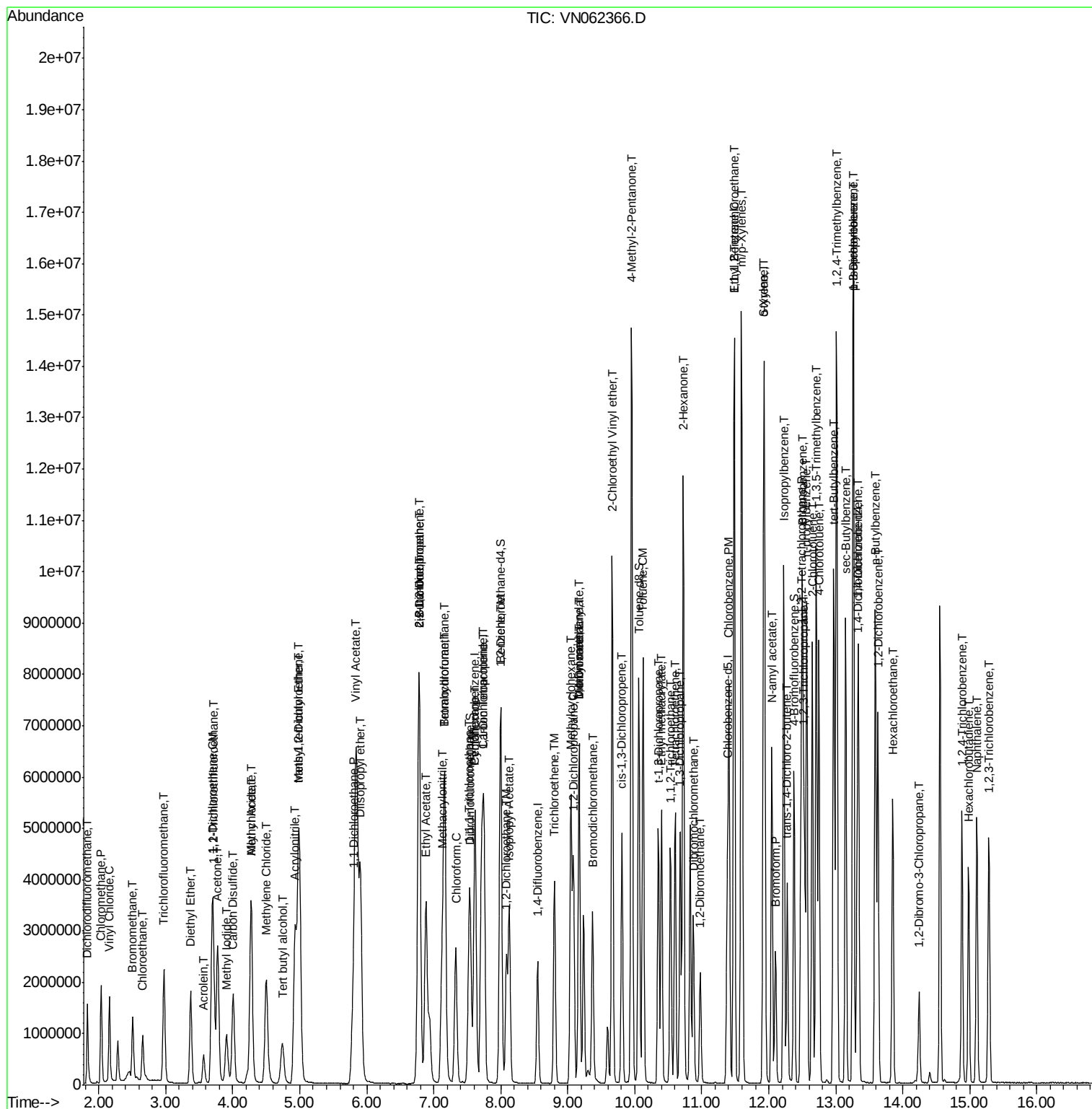
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070620\
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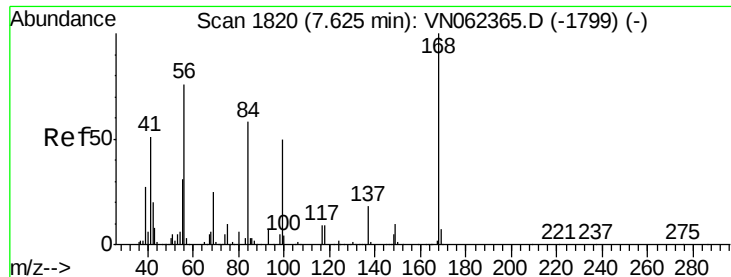
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 1169983

Ion Ratio Lower Upper

168 100

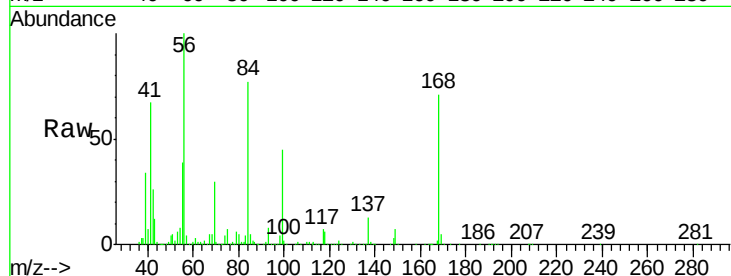
99 63.3 52.9 79.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

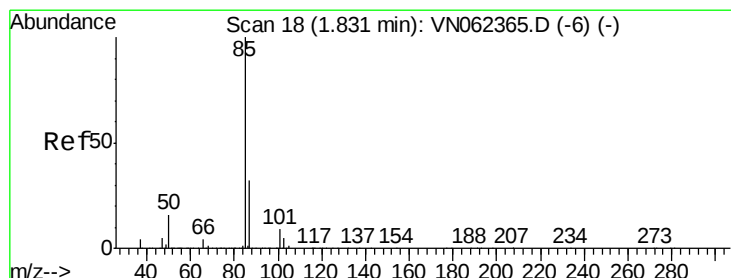
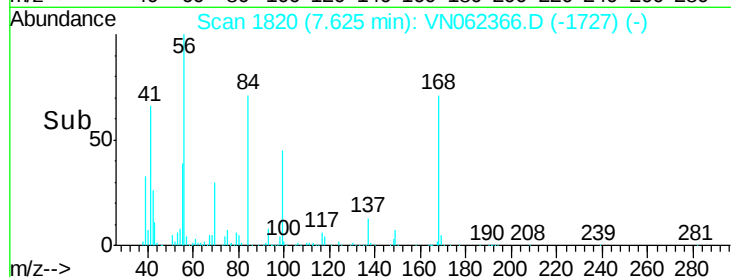
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 90.967 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062366.D

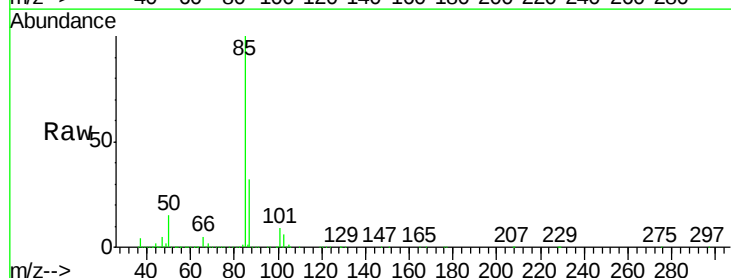
Acq: 6 Jul 2020 14:02

Tgt Ion: 85 Resp: 1212955

Ion Ratio Lower Upper

85 100

87 31.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1000000

800000

600000

400000

200000

0

1.75

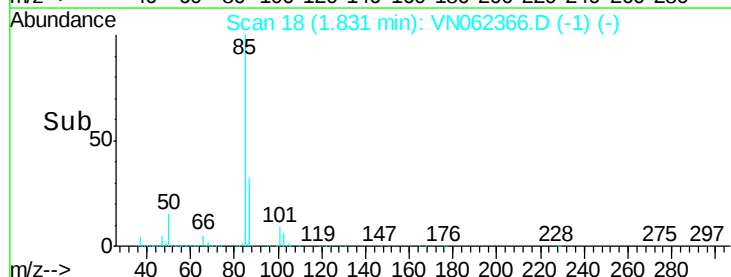
1.80

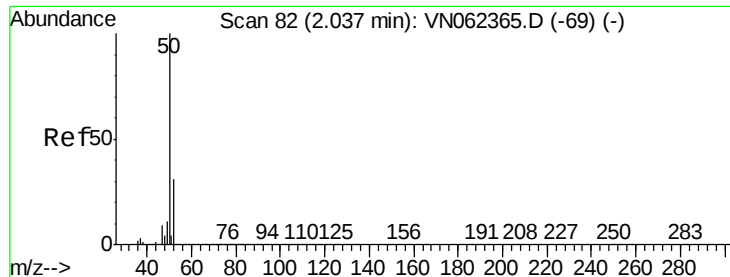
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 98.039 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1751609

Ion Ratio Lower Upper

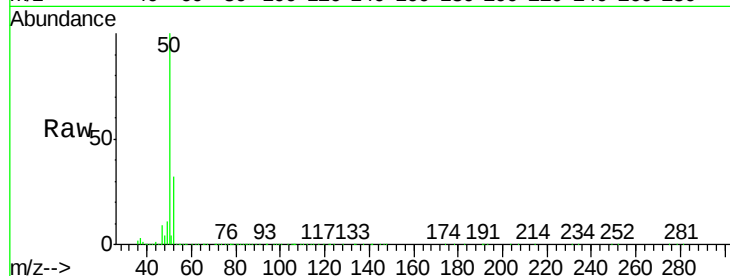
50 100

52 32.4 25.0 37.6

Manual Integrations
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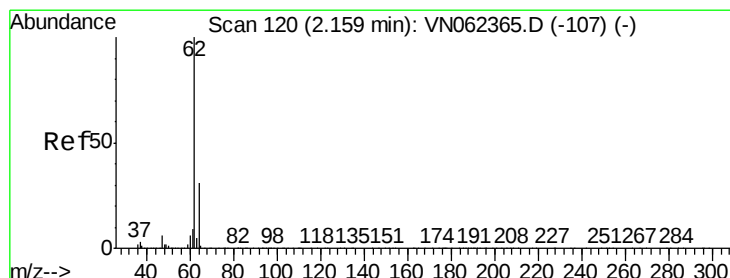
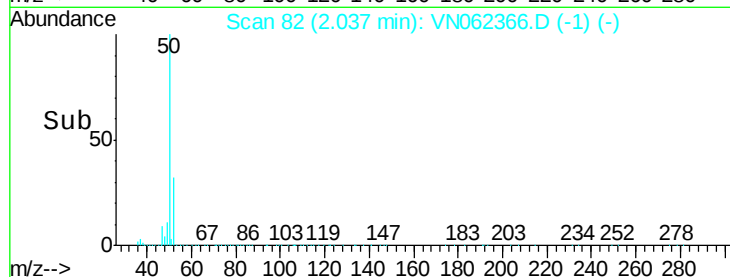
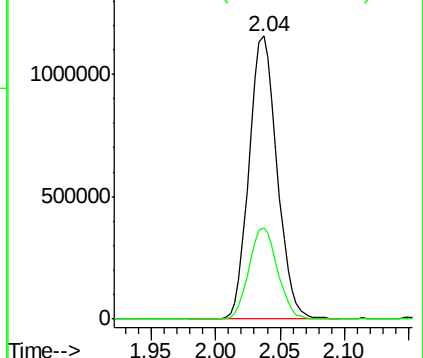
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 73.618 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062366.D

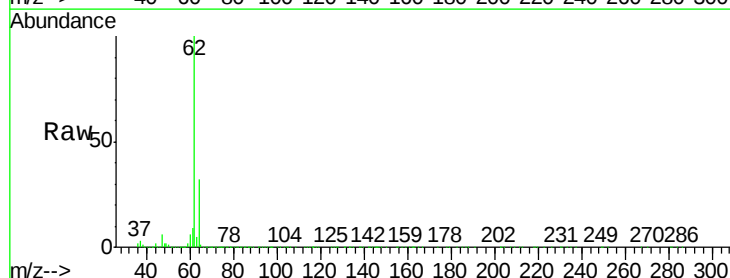
Acq: 6 Jul 2020 14:02

Tgt Ion: 62 Resp: 1492756

Ion Ratio Lower Upper

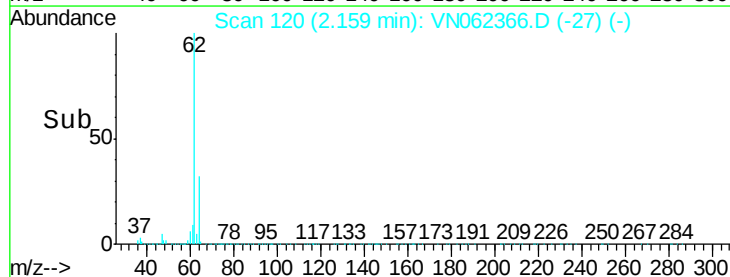
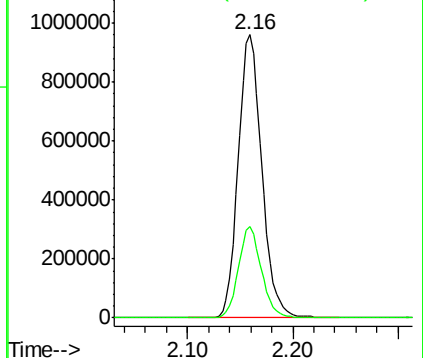
62 100

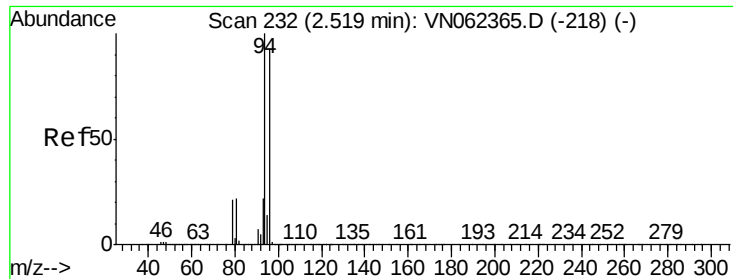
64 32.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 66.431 ug/l m

RT: 2.51 min Scan# 228

Delta R.T. -0.01 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 843472

Ion Ratio Lower Upper

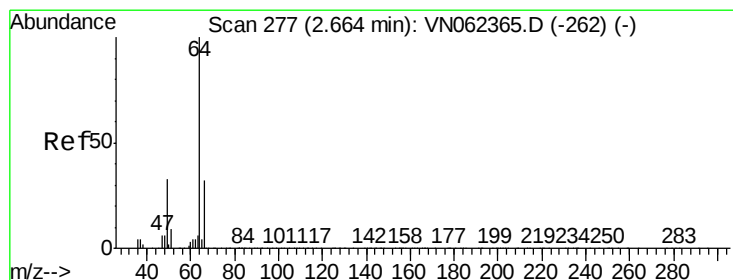
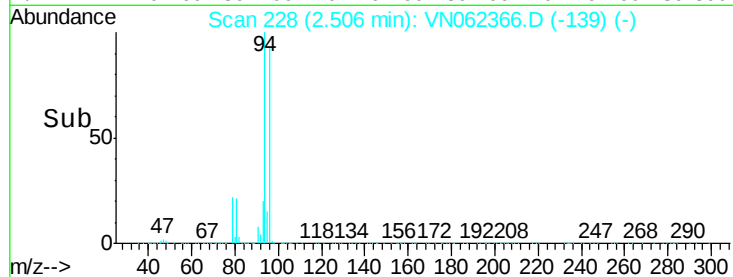
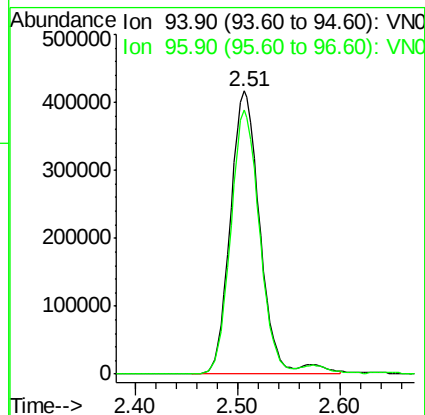
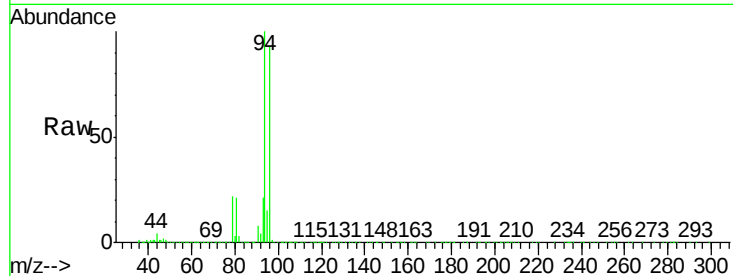
94 100

96 93.2 74.7 112.1

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#6

Chloroethane

Concen: 64.853 ug/l

RT: 2.65 min Scan# 274

Delta R.T. -0.01 min

Lab File: VN062366.D

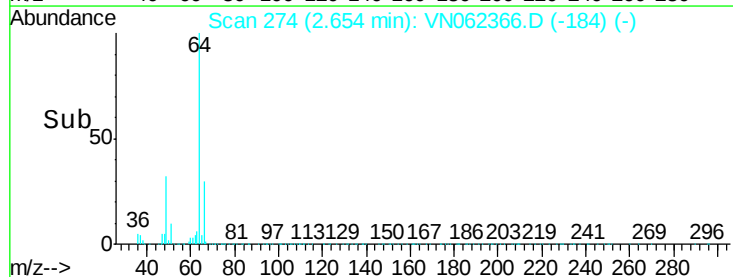
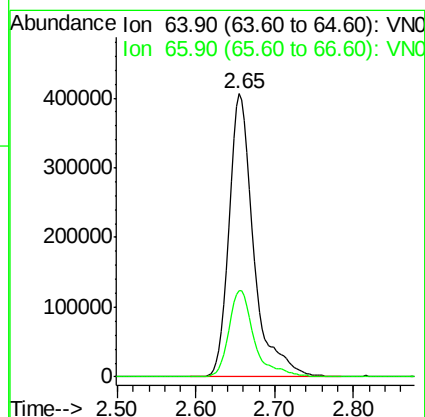
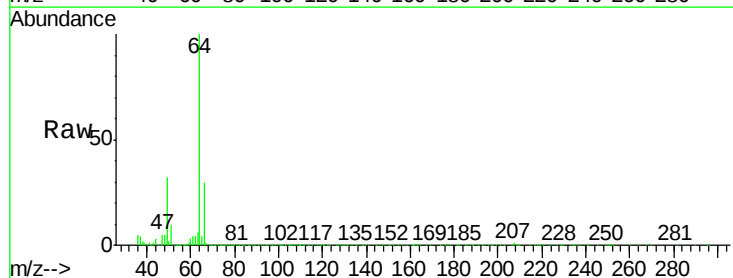
Acq: 6 Jul 2020 14:02

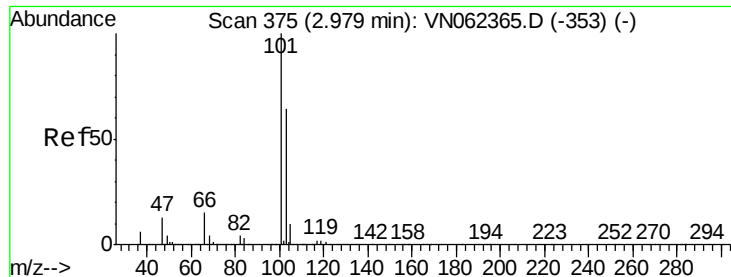
Tgt Ion: 64 Resp: 878077

Ion Ratio Lower Upper

64 100

66 30.2 25.7 38.5





#7

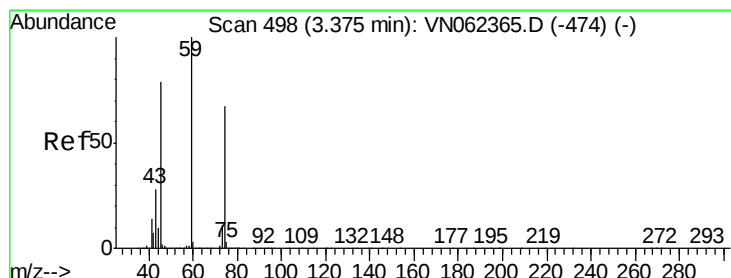
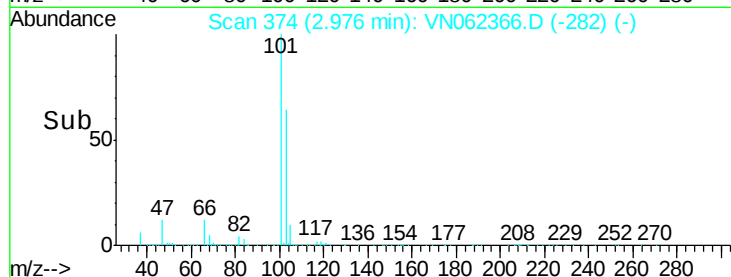
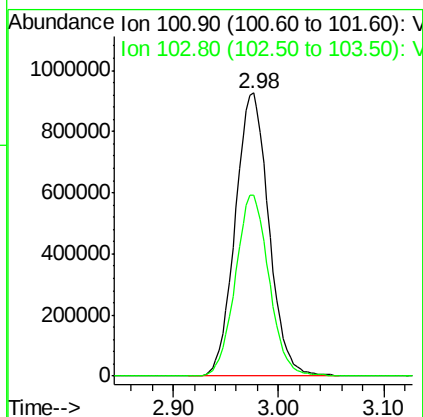
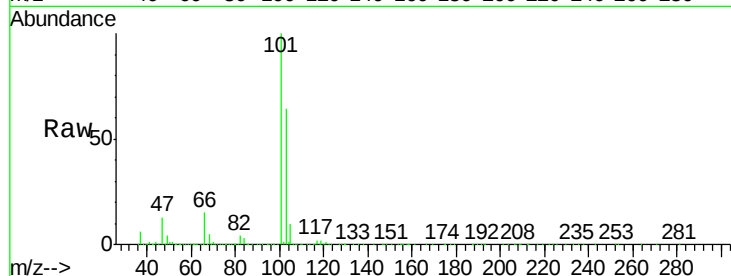
Trichlorofluoromethane
Concen: 79.229 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion:101 Resp: 2049950
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.6

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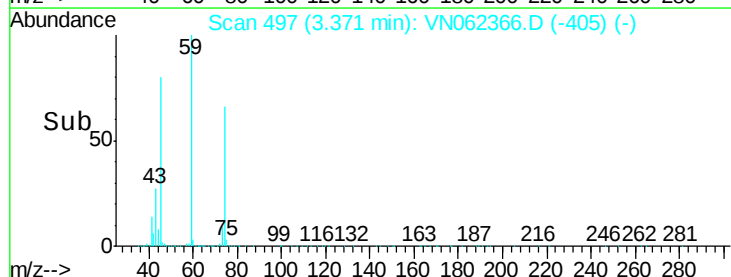
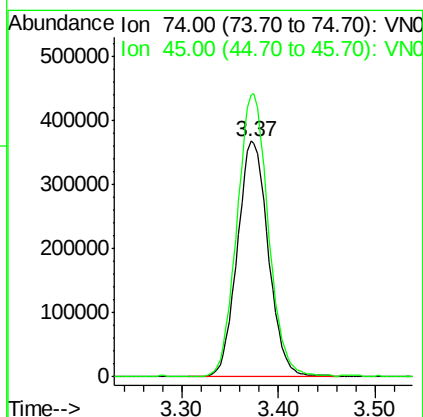
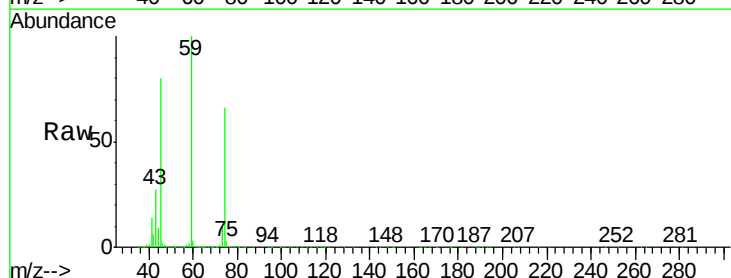
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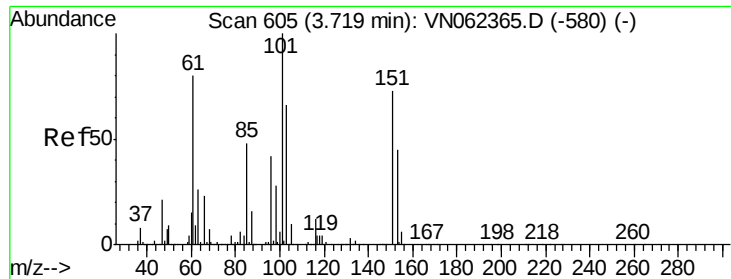


#8

Diethyl Ether
Concen: 90.447 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 74 Resp: 814647
Ion Ratio Lower Upper
74 100
45 121.6 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.562 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:101 Resp: 1147281

Ion Ratio Lower Upper

101 100

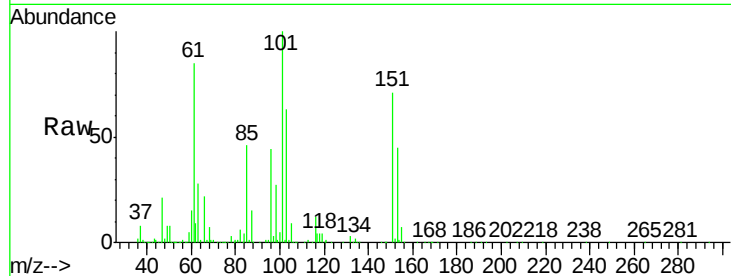
85 47.8 38.6 57.8

151 72.8 58.3 87.5

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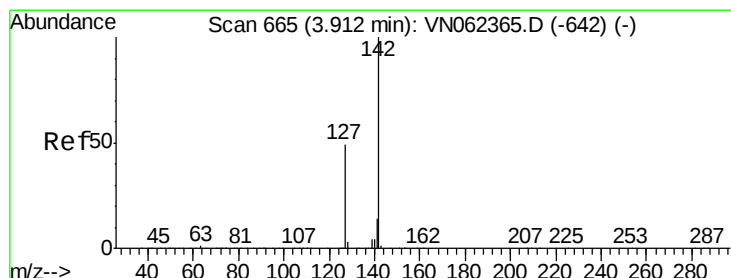
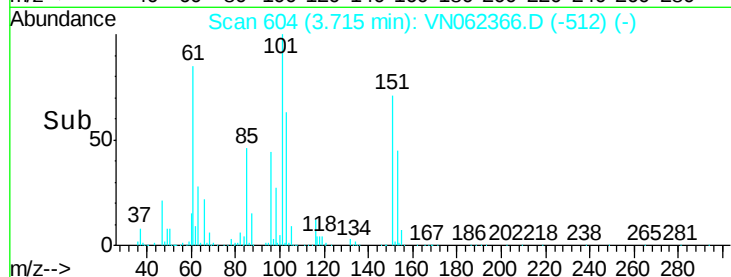
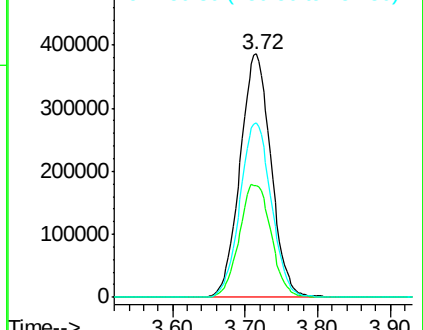
7/7/2020 10:08:42 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 103.918 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

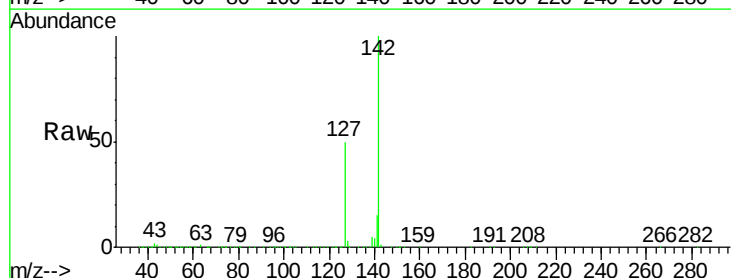
Tgt Ion:142 Resp: 1590238

Ion Ratio Lower Upper

142 100

127 49.2 41.0 61.6

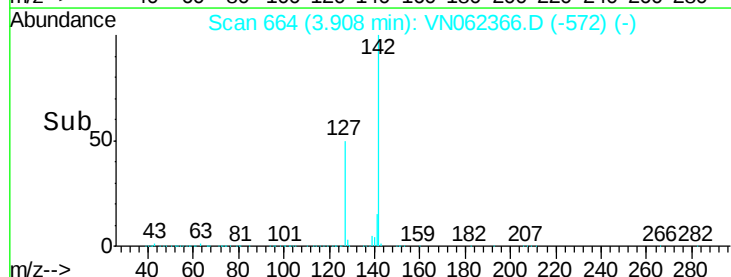
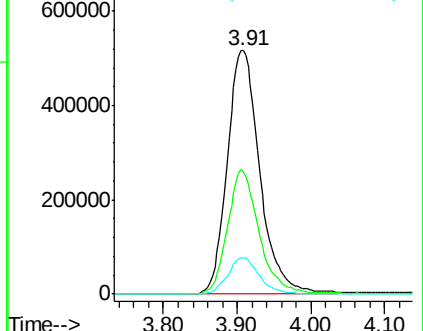
141 14.6 11.8 17.8

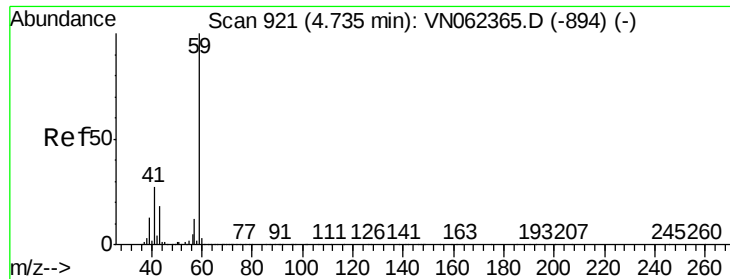


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





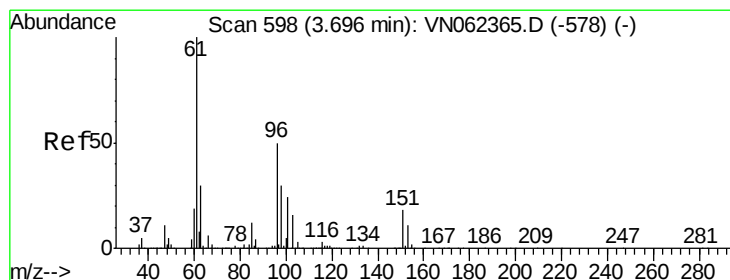
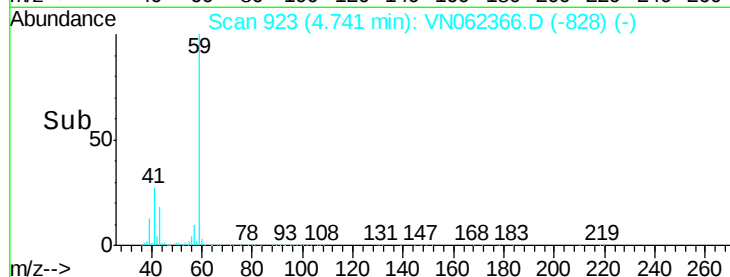
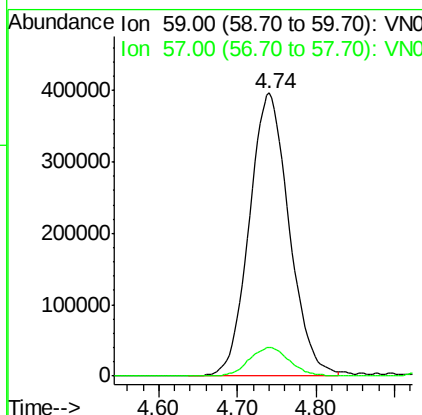
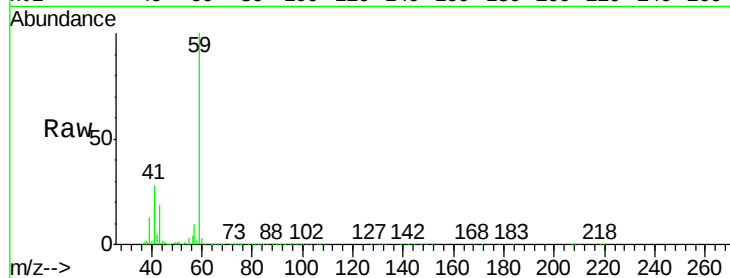
#11
Tert butyl alcohol
Concen: 562.554 ug/l
RT: 4.74 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 59 Resp: 1415172
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7

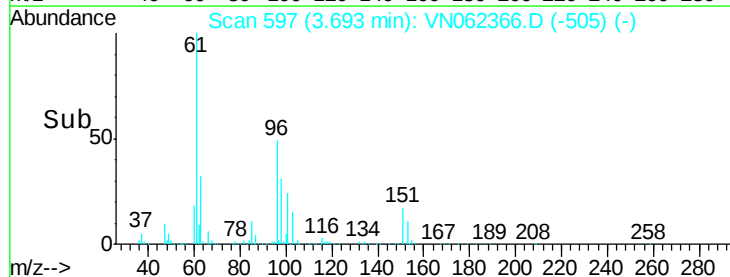
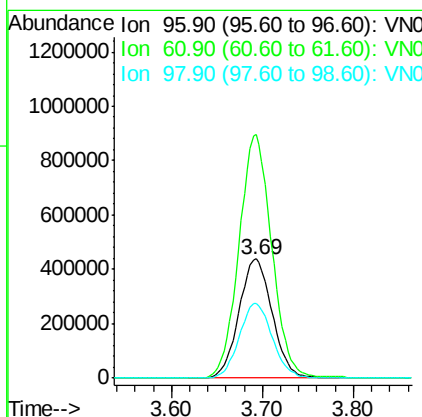
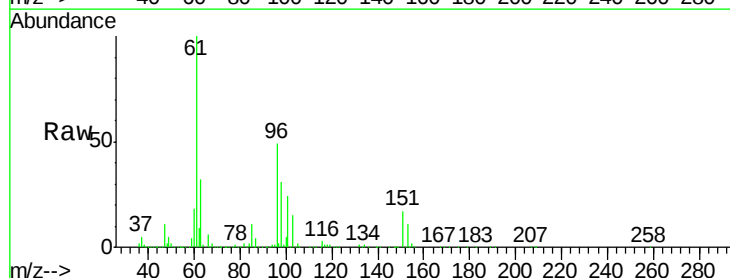
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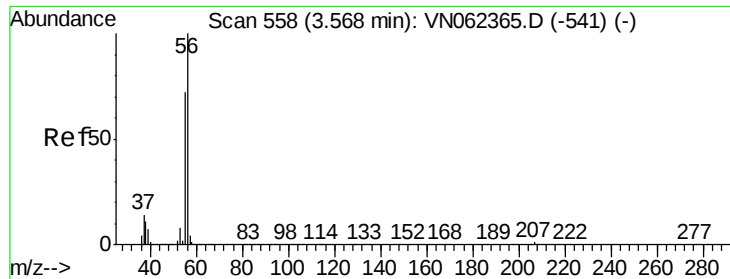
MMDadoda
7/7/2020 10:08:42 AM



#12
1,1-Dichloroethene
Concen: 83.784 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 96 Resp: 1114959
Ion Ratio Lower Upper
96 100
61 204.0 161.4 242.0
98 62.3 48.8 73.2





#13

Acrolein

Concen: 276.989 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 584902

Ion Ratio Lower Upper

56 100

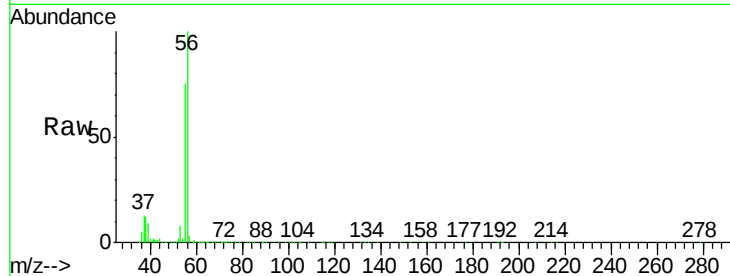
55 72.8 59.6 89.4

Manual Integrations

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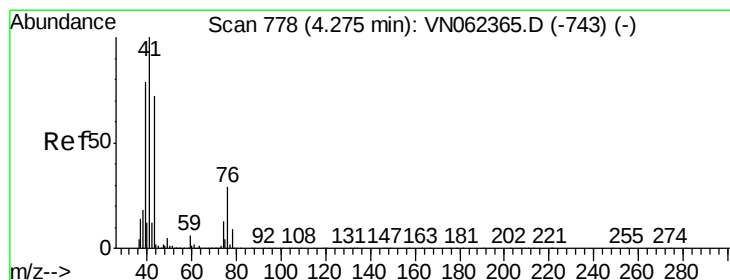
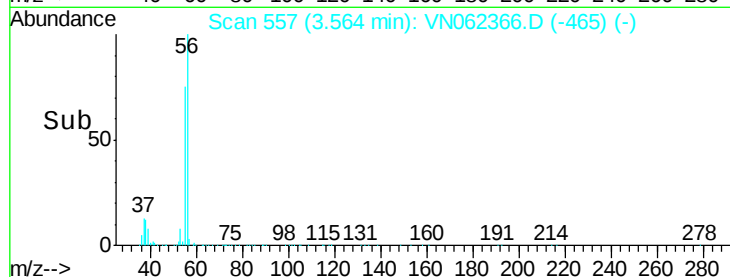
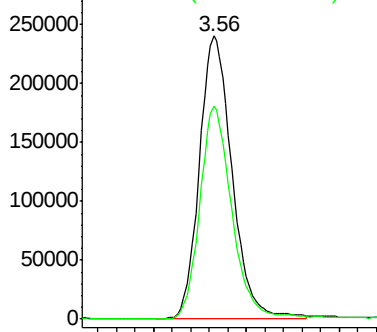
MMDadoda

7/7/2020 10:08:42 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 142.709 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

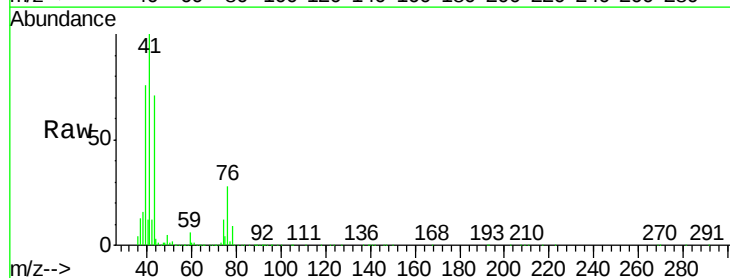
Tgt Ion: 41 Resp: 2887794

Ion Ratio Lower Upper

41 100

39 72.1 59.8 89.6

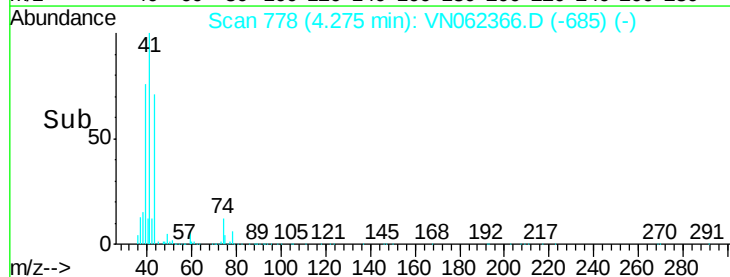
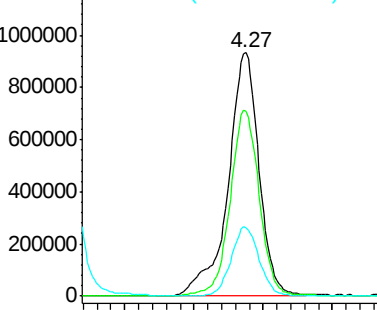
76 25.6 20.7 31.1

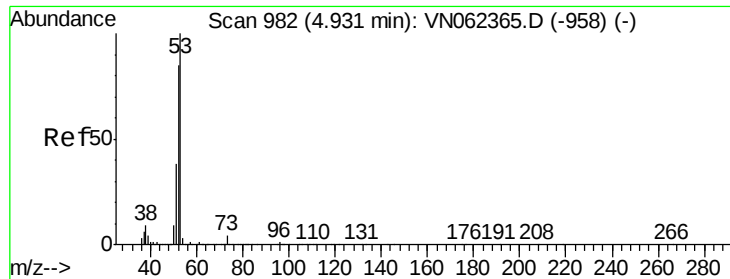


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 572.078 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 53 Resp: 3848749

Ion Ratio Lower Upper

53 100

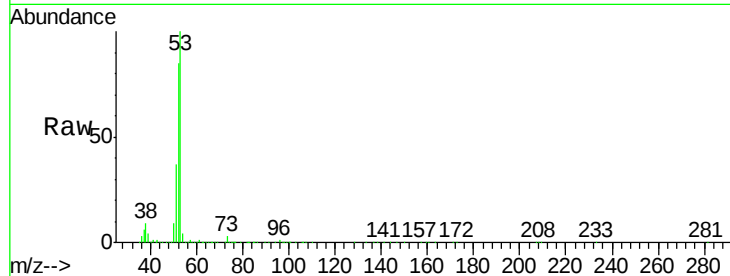
52 83.9 67.6 101.4

51 37.5 30.6 45.8

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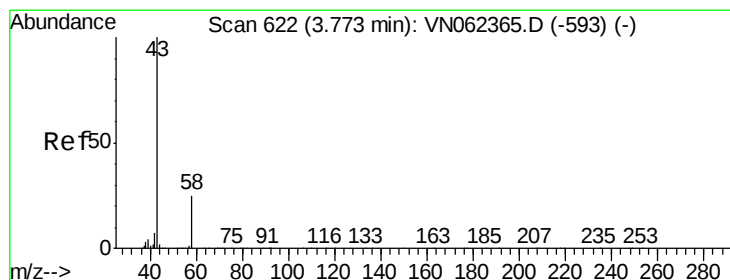
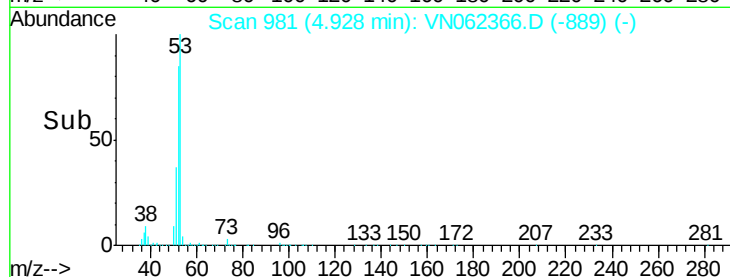
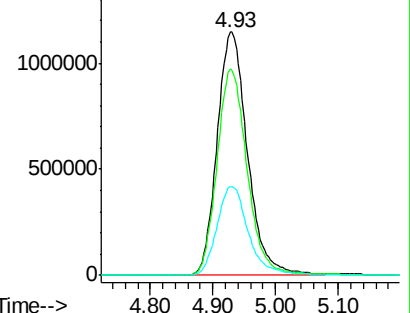
7/7/2020 10:08:42 AM



Abundance Ion 53.00 (52.70 to 53.70): VN062366.D (-889) (-)

Ion 52.00 (51.70 to 52.70): VN062366.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VN062366.D (-889) (-)



#16

Acetone

Concen: 693.127 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062366.D

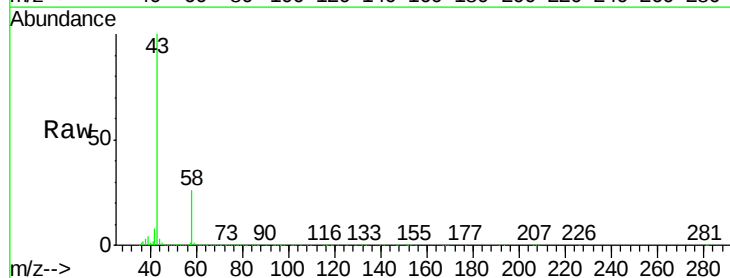
Acq: 6 Jul 2020 14:02

Tgt Ion: 43 Resp: 4534502

Ion Ratio Lower Upper

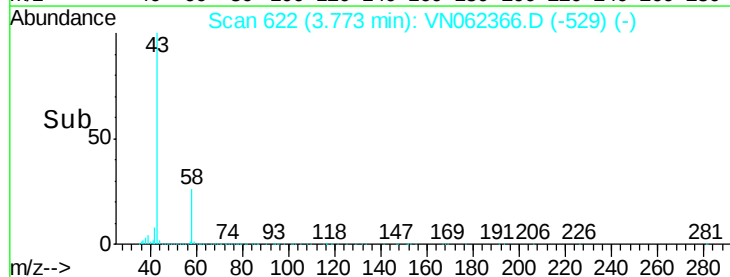
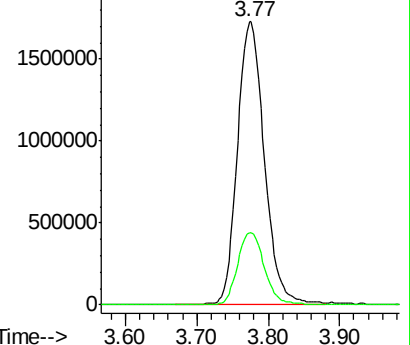
43 100

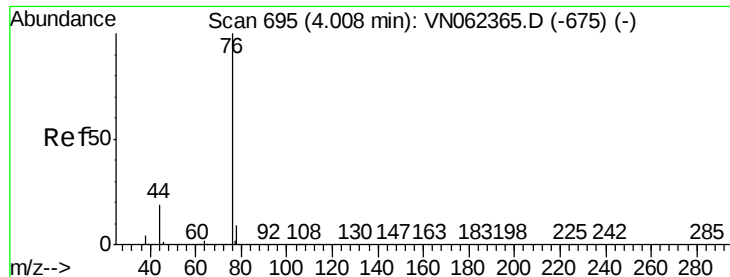
58 25.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN062366.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062366.D (-529) (-)





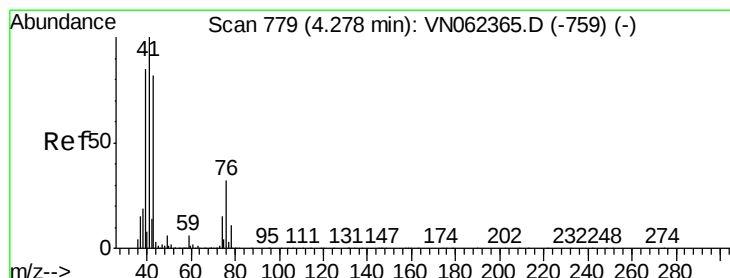
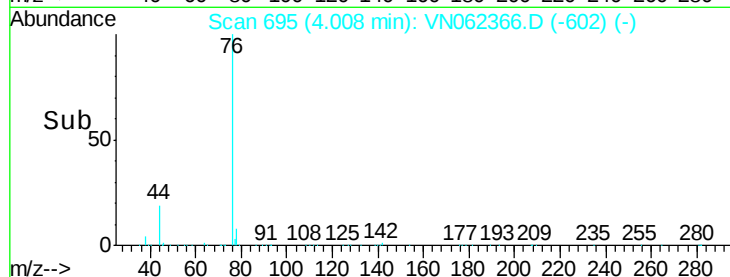
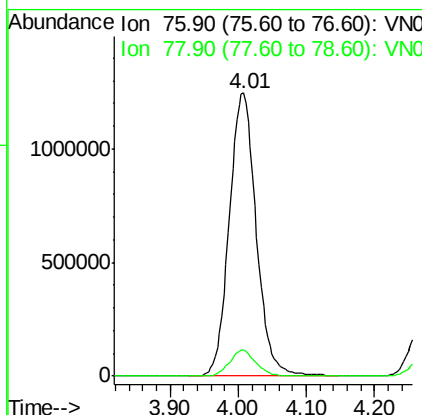
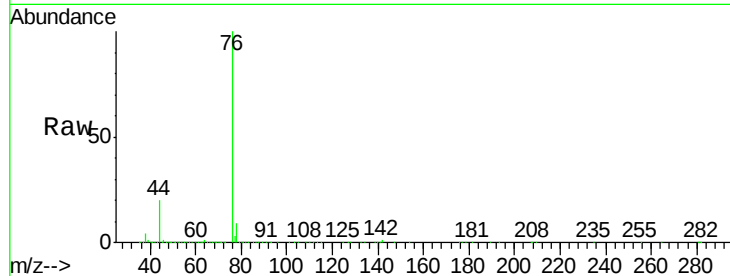
#17
Carbon Disulfide
Concen: 80.559 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 3423527
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3

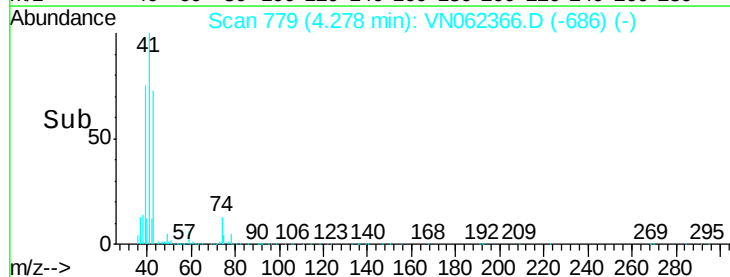
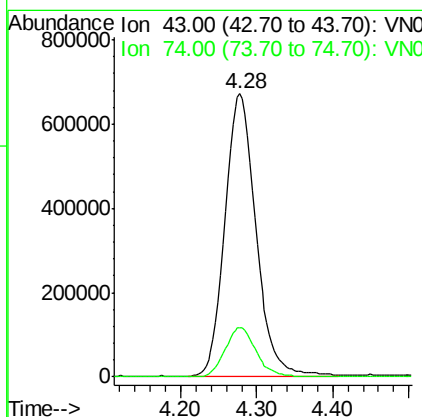
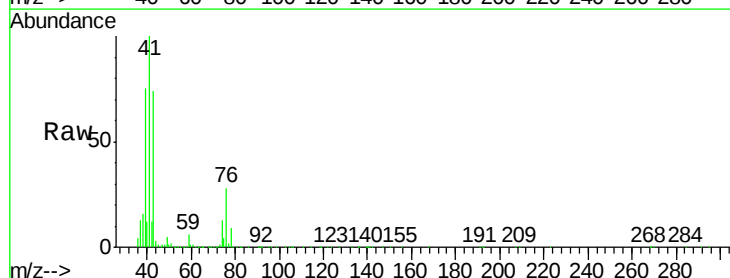
Manual Integrations
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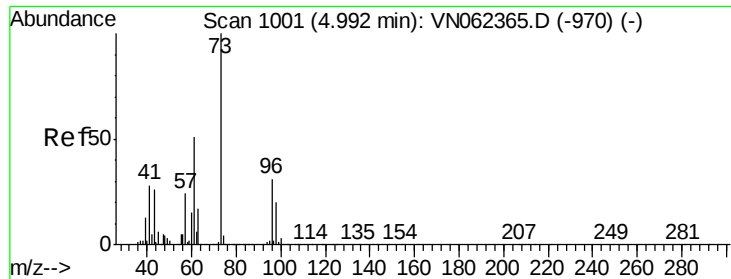
MMDadoda
7/7/2020 10:08:42 AM



#18
Methyl Acetate
Concen: 131.962 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 43 Resp: 1902852
Ion Ratio Lower Upper
43 100
74 17.6 14.2 21.4





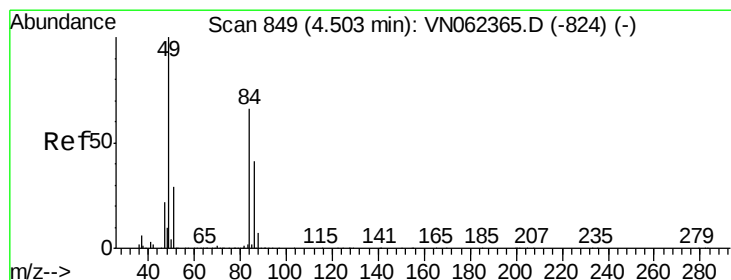
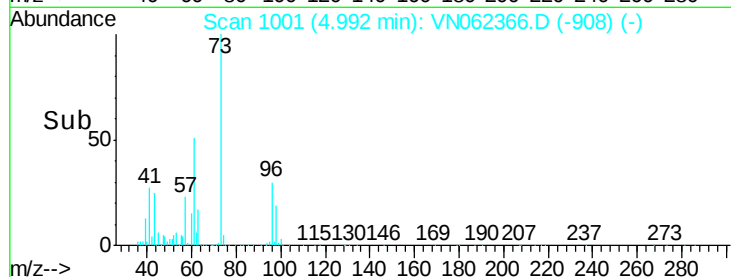
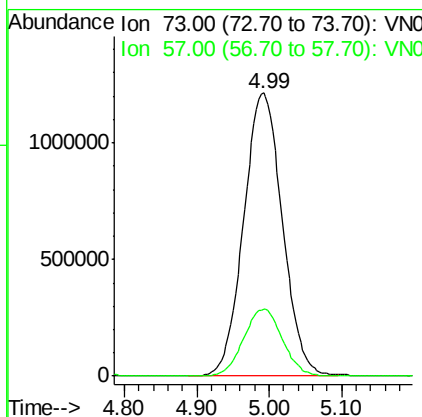
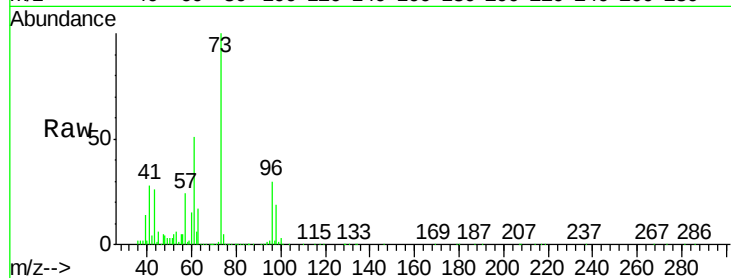
#19
Methvl tert-butvl Ether
Concen: 102.829 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 4506494
Ion Ratio Lower Upper
73 100
57 23.6 18.9 28.3

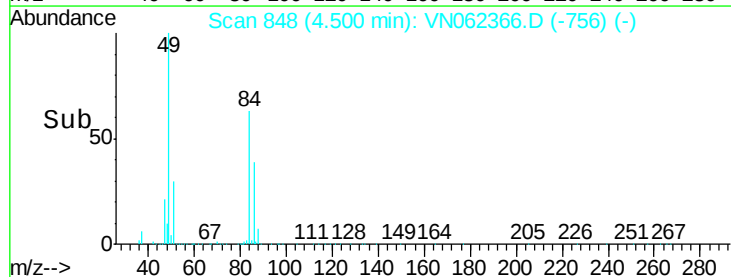
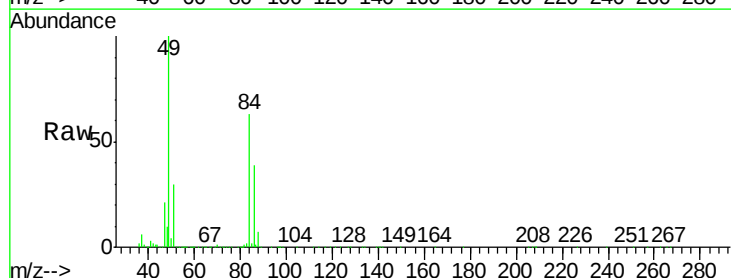
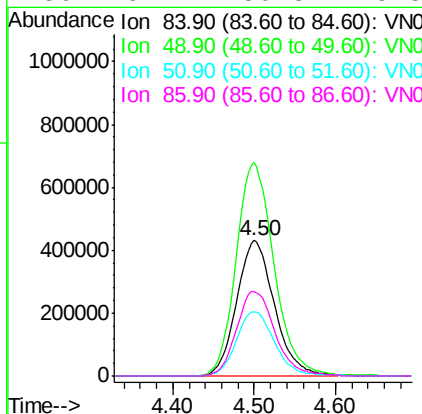
Manual Integrations
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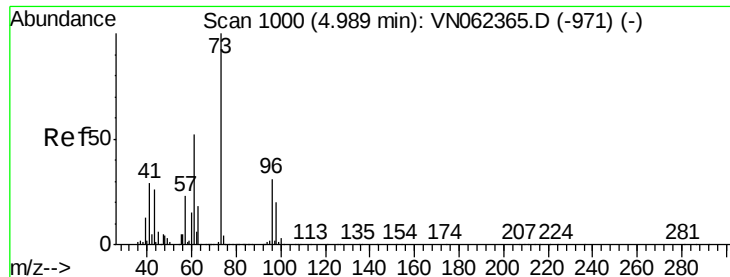
MMDadoda
7/7/2020 10:08:42 AM



#20
Methylene Chloride
Concen: 83.919 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 84 Resp: 1385120
Ion Ratio Lower Upper
84 100
49 157.4 121.8 182.6
51 47.4 35.0 52.4
86 62.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 81.963 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1236868

Ion Ratio Lower Upper

96 100

61 169.7 134.7 202.1

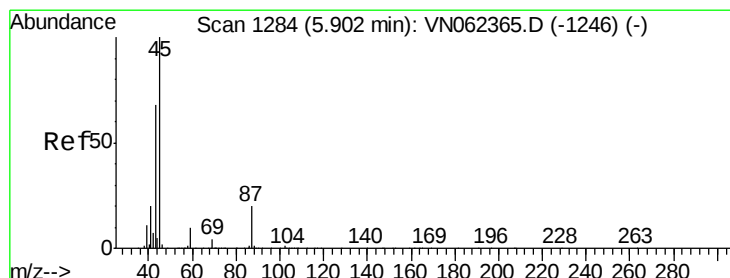
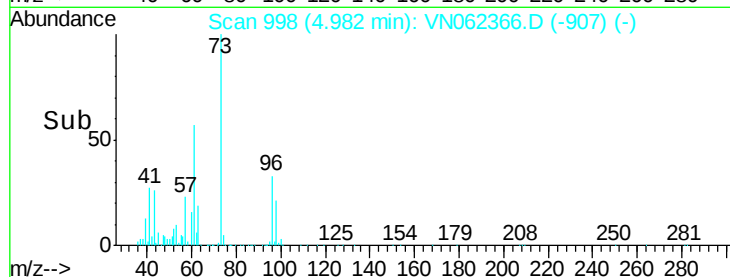
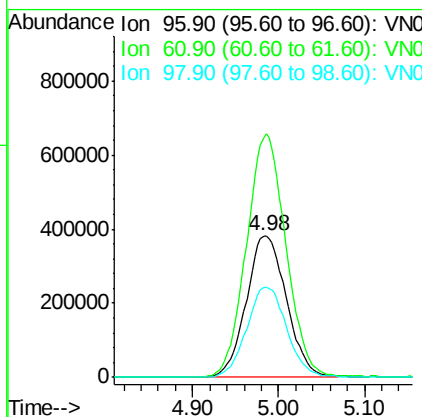
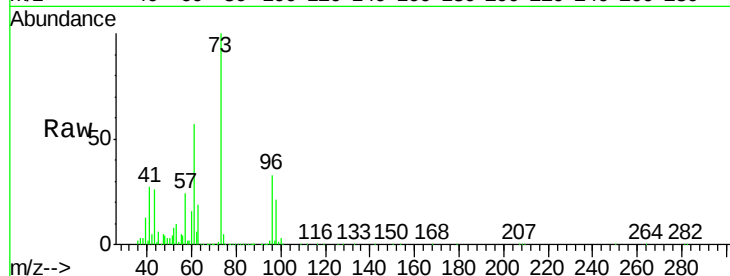
98 63.7 52.2 78.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 128.384 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Tgt Ion: 45 Resp: 5790479

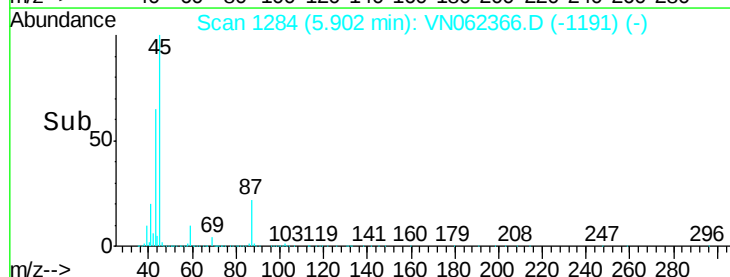
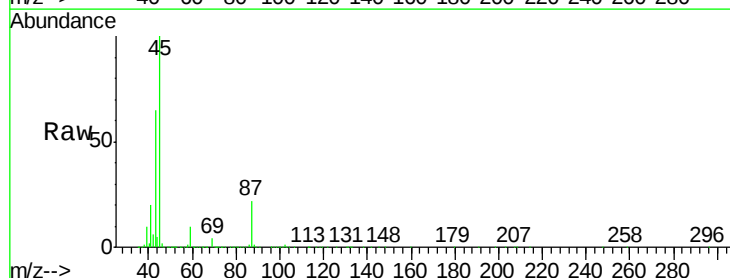
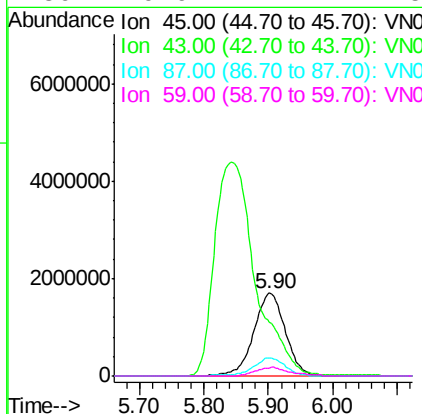
Ion Ratio Lower Upper

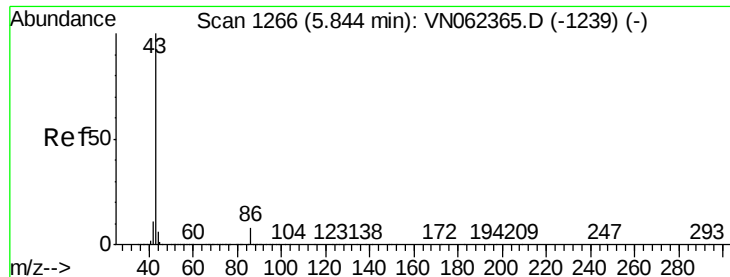
45 100

43 64.9 54.6 81.8

87 21.7 16.6 24.8

59 9.9 7.7 11.5





#23

Vinyl Acetate

Concen: 525.388 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp:19287806

Ion Ratio Lower Upper

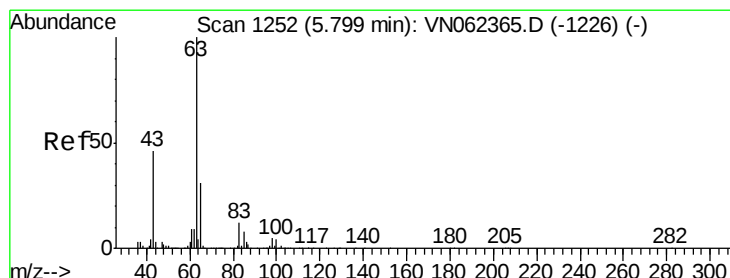
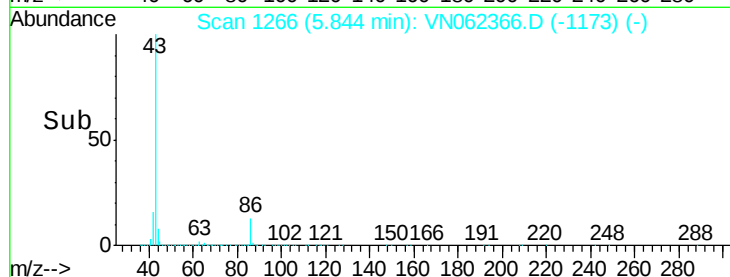
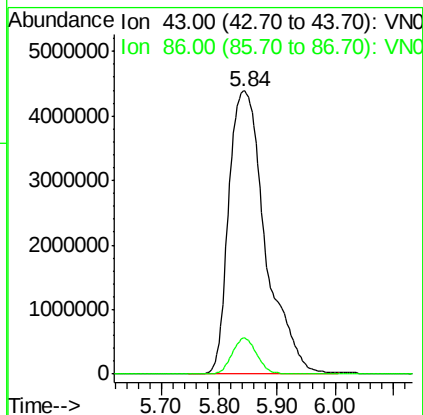
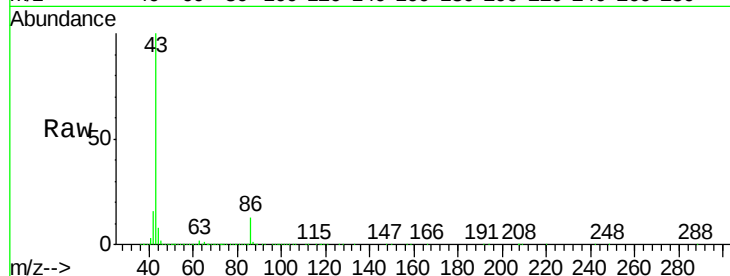
43 100

86 12.7 6.6 9.8#

Manual Integrations
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MMDadoda

7/7/2020 10:08:42 AM



#24

1,1-Dichloroethane

Concen: 99.932 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

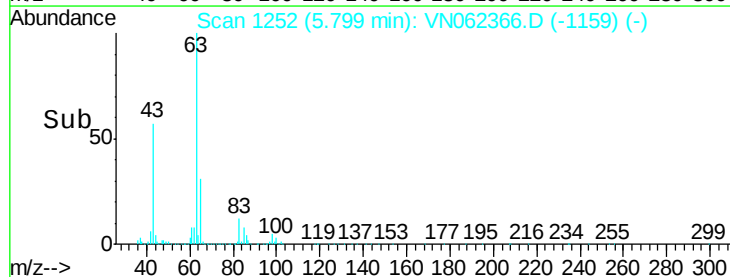
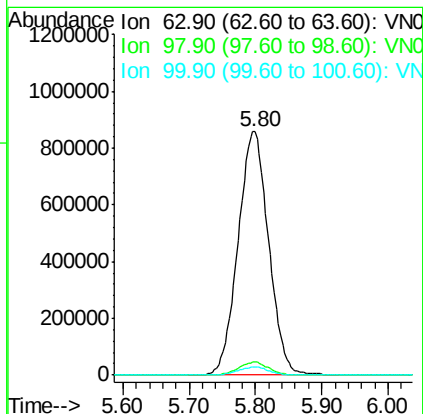
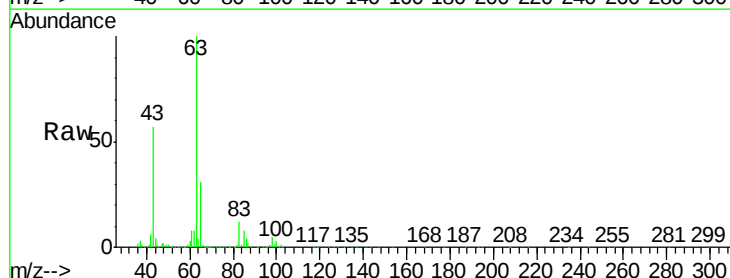
Tgt Ion: 63 Resp: 2748725

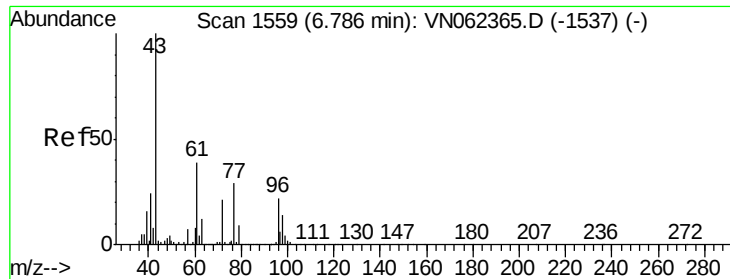
Ion Ratio Lower Upper

63 100

98 5.3 2.6 7.8

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 689.944 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Tot Ion: 43 Resp: 6101193

Ion Ratio Lower Upper

43 100

72 20.8 16.4 24.6

Instrument :

MSVOA_N

ClientSampled :

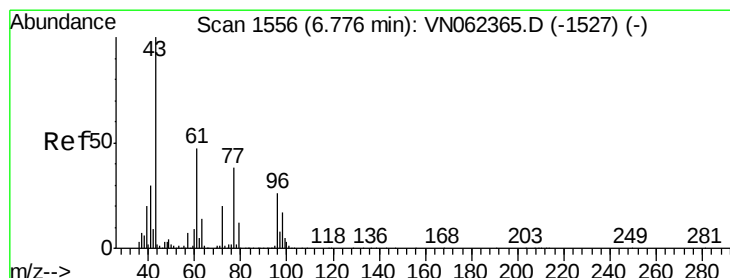
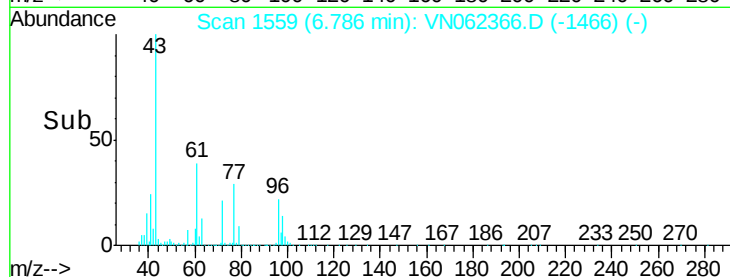
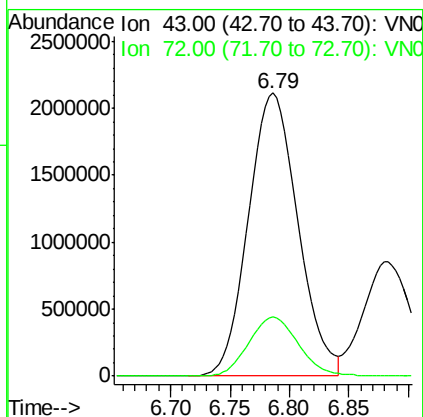
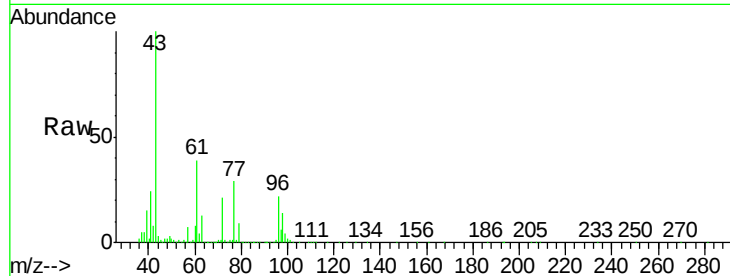
VSTDICC100

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 100.402 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062366.D

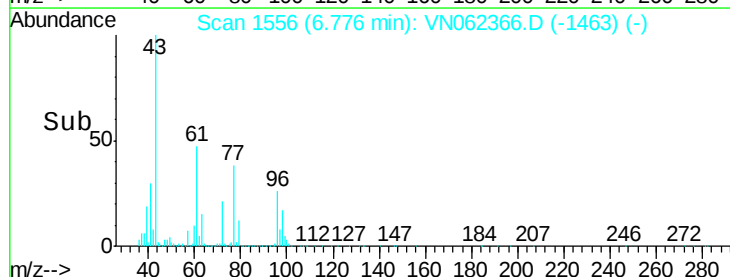
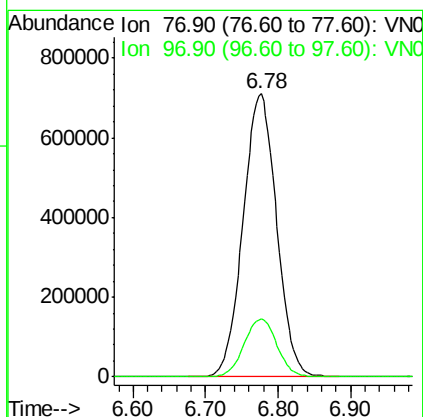
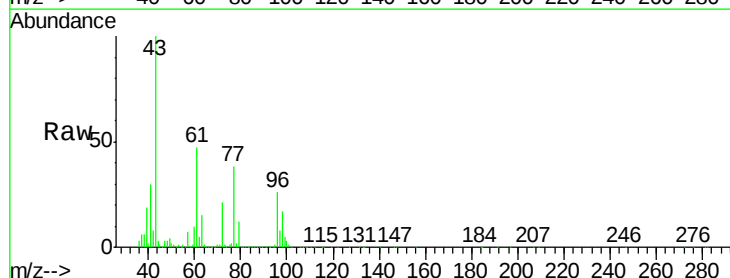
Acq: 6 Jul 2020 14:02

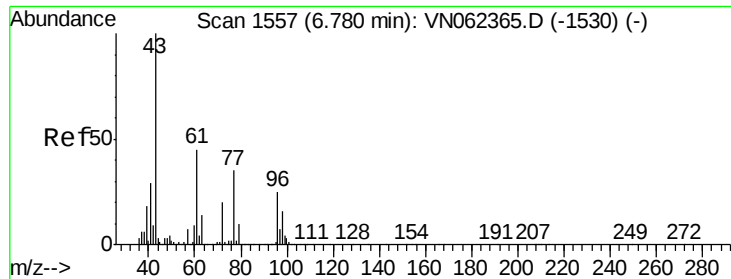
Tgt Ion: 77 Resp: 2282751

Ion Ratio Lower Upper

77 100

97 20.3 10.1 30.1





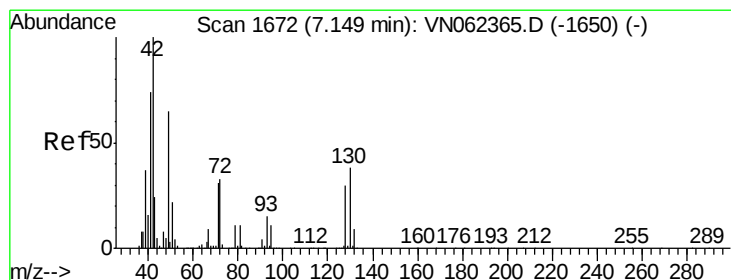
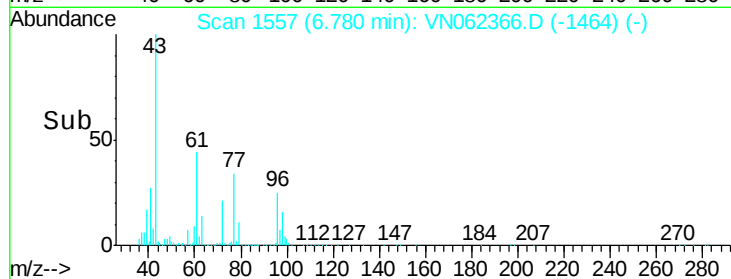
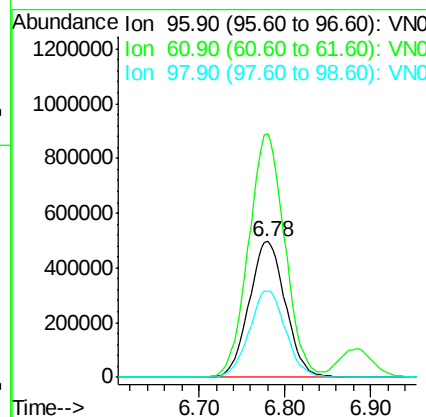
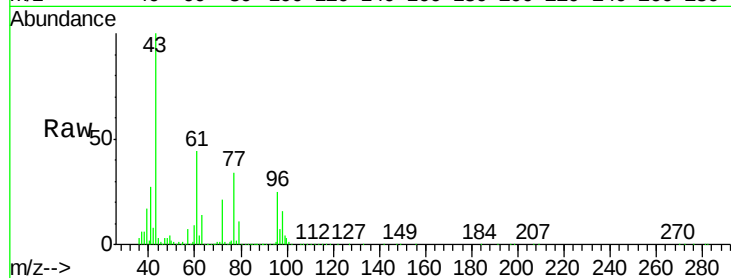
#27
 cis-1,2-Dichloroethene
 Concen: 85.394 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	178.6	0.0	358.8
98	63.9	0.0	130.6

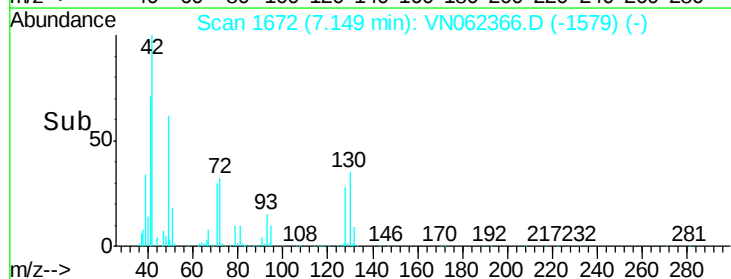
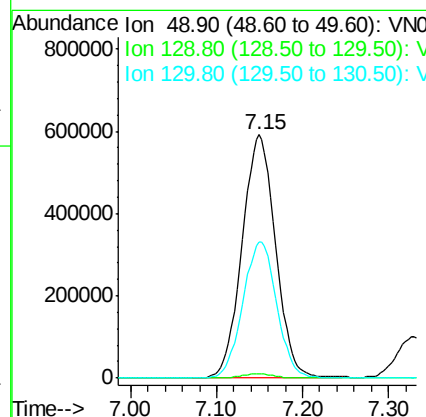
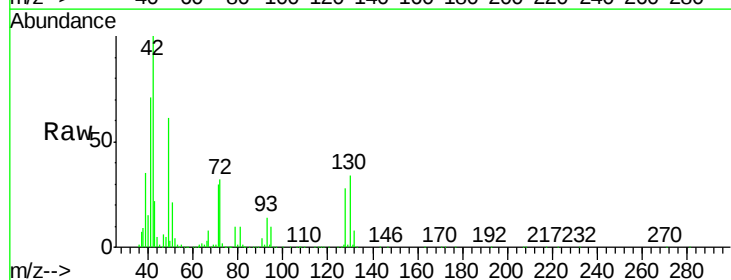
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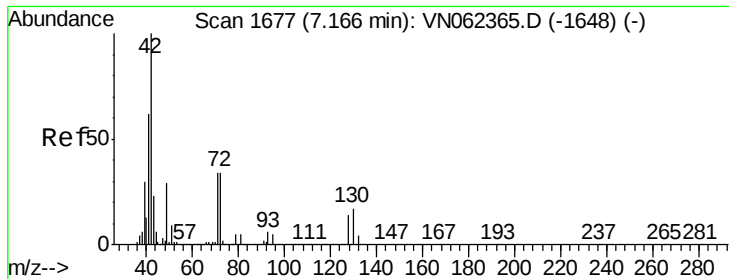
MMDadoda
 7/7/2020 10:08:42 AM



#28
 Bromochloromethane
 Concen: 126.480 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	56.7	45.8	68.8





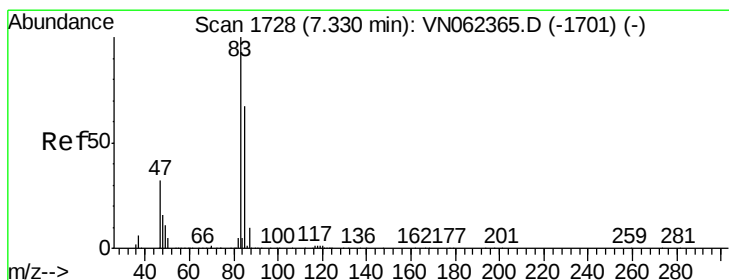
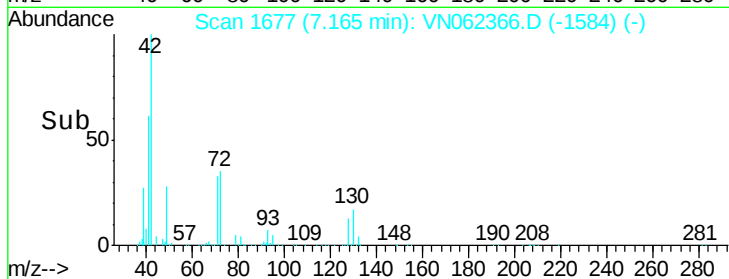
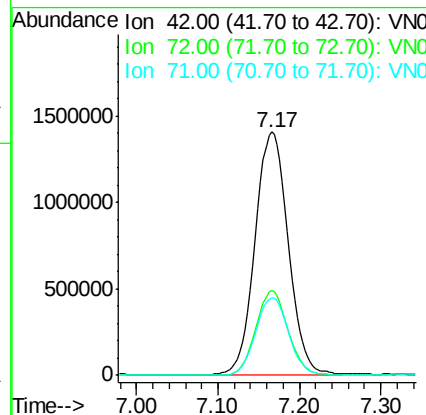
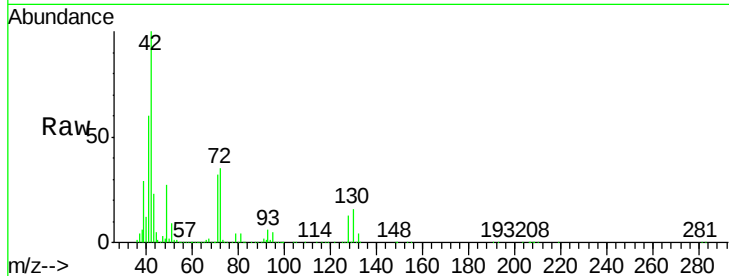
#29
Tetrahydrofuran
Concen: 686.928 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.6	26.8	40.2
71	31.7	26.0	39.0

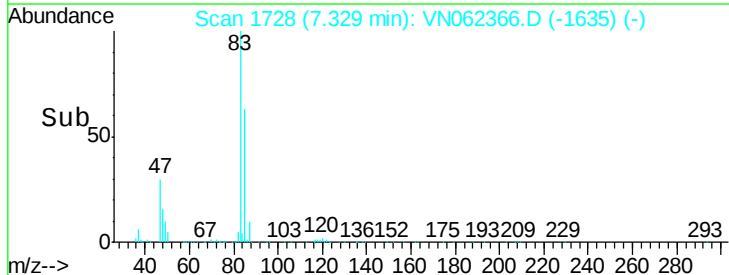
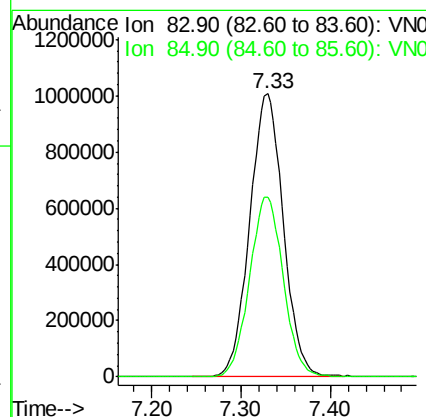
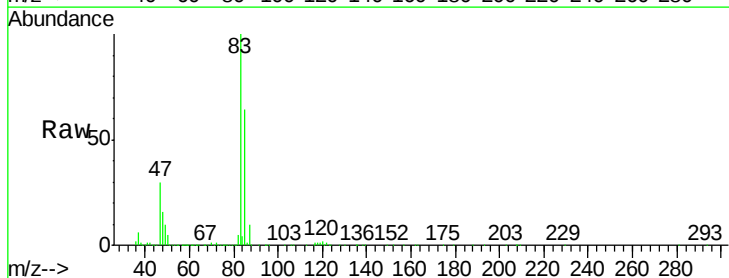
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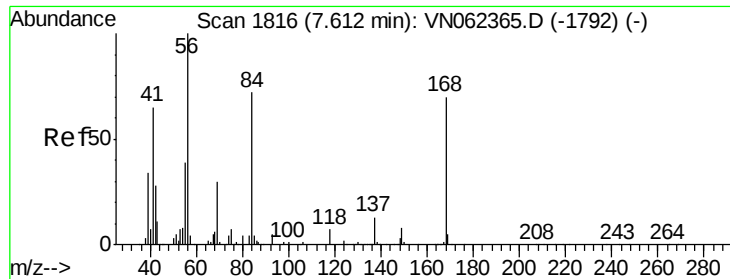
MMDadoda
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#30
Chloroform
Concen: 95.232 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.6	80.4





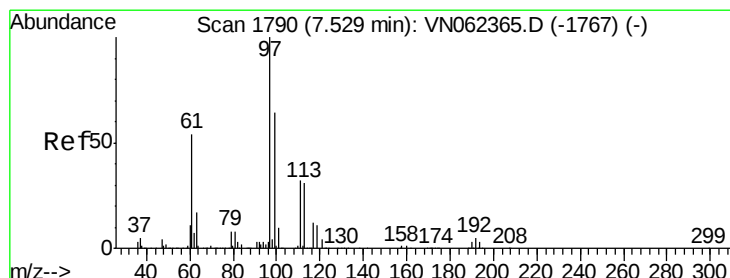
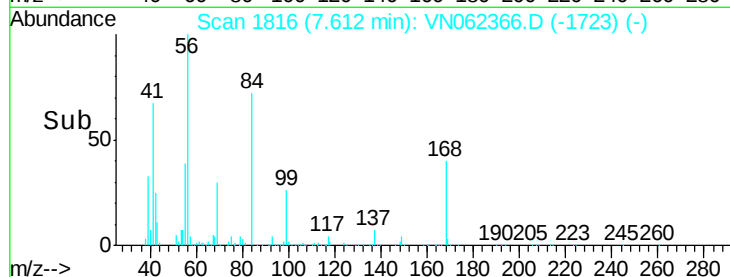
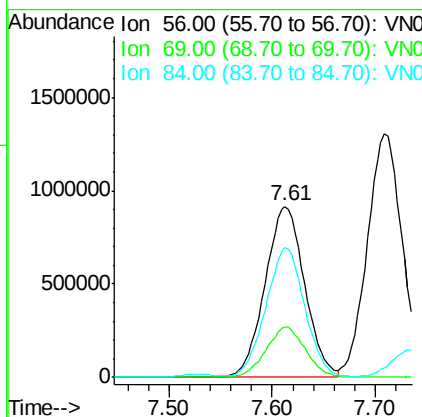
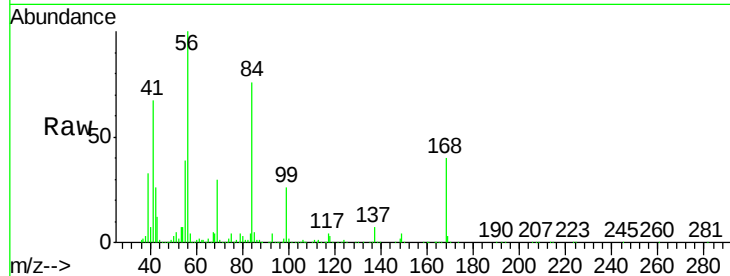
#31
Cyclohexane
Concen: 103.255 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 2438729
Ion Ratio Lower Upper
56 100
69 29.6 23.7 35.5
84 74.2 57.2 85.8

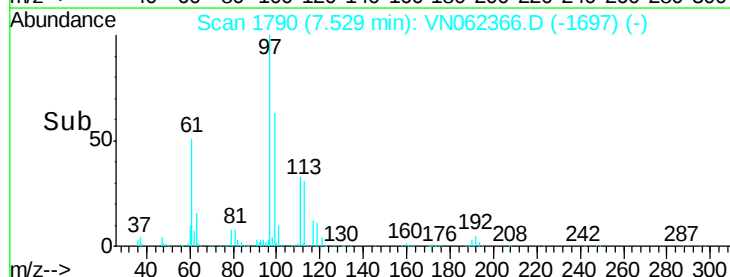
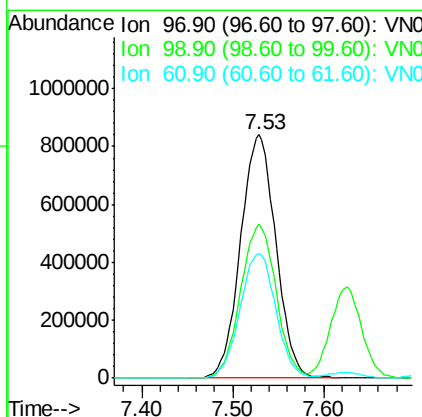
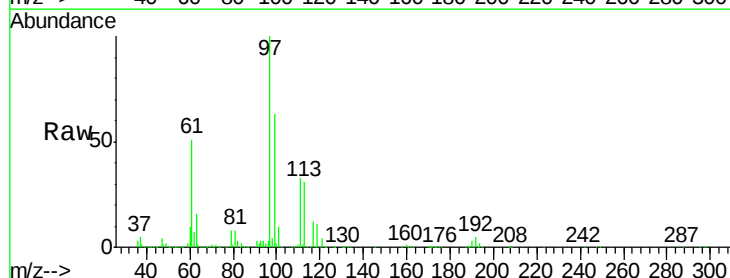
Manual Integrations
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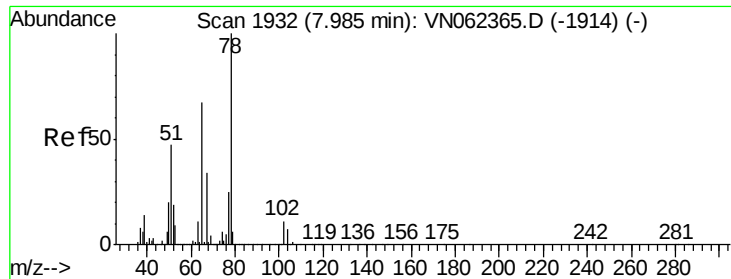
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 97.069 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 97 Resp: 2261196
Ion Ratio Lower Upper
97 100
99 63.7 51.1 76.7
61 51.9 42.5 63.7





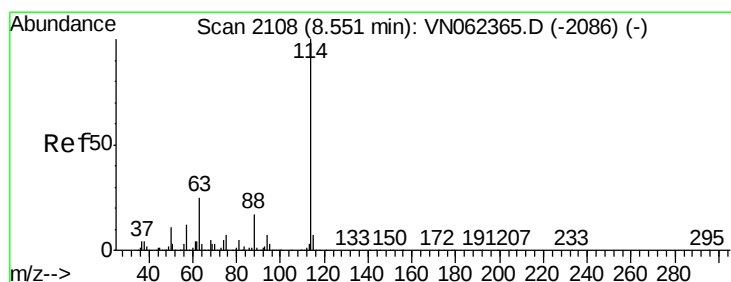
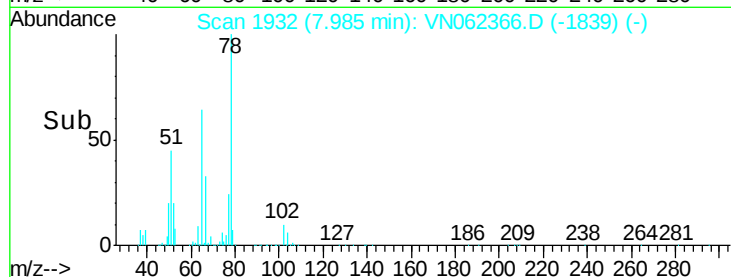
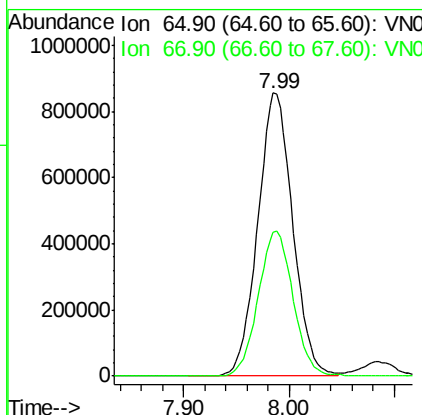
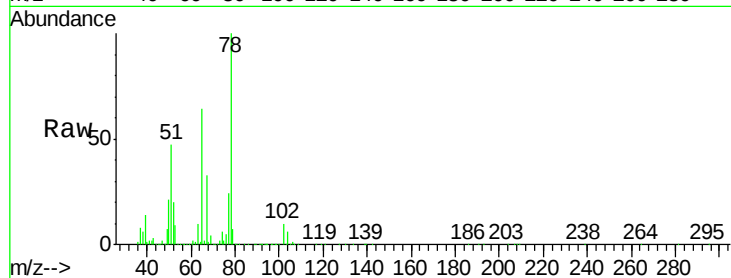
#33
 1,2-Dichloroethane-d4
 Concen: 111.489 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 1973723
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.0

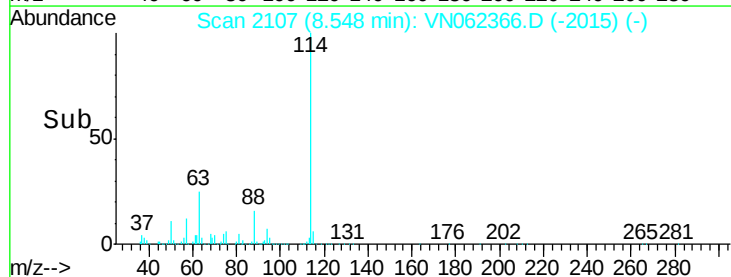
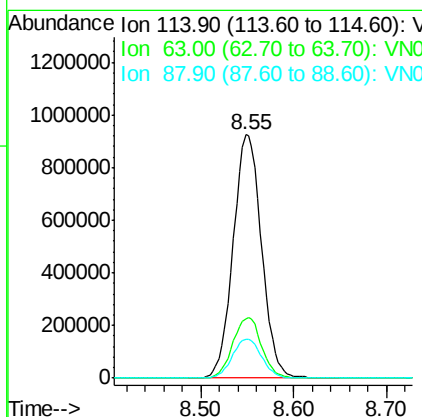
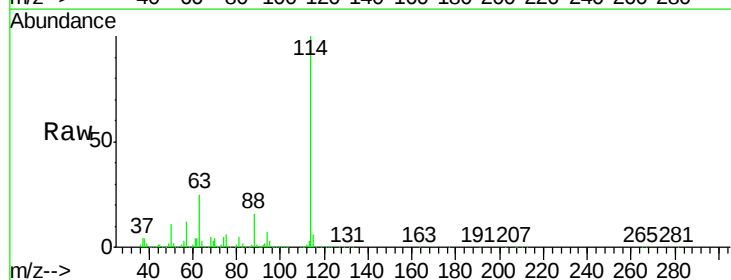
Manual Integrations
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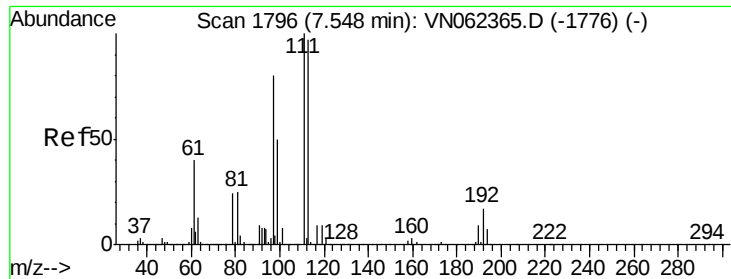
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion: 114 Resp: 1963404
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.0
 88 16.0 0.0 34.0





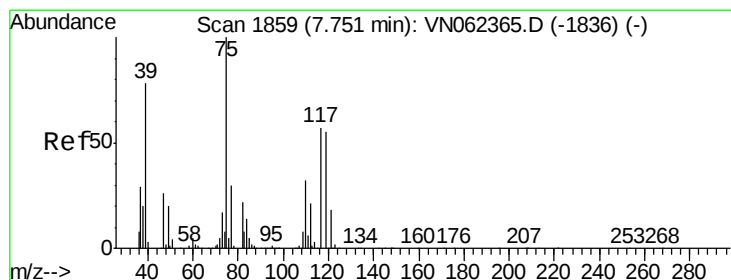
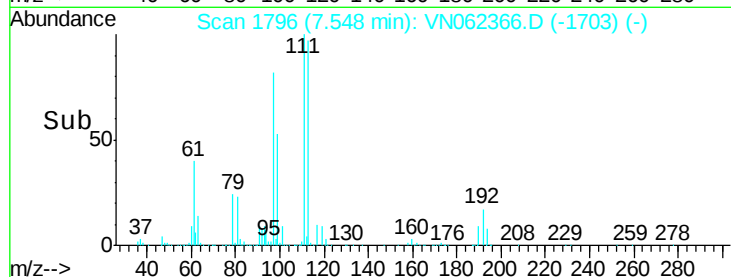
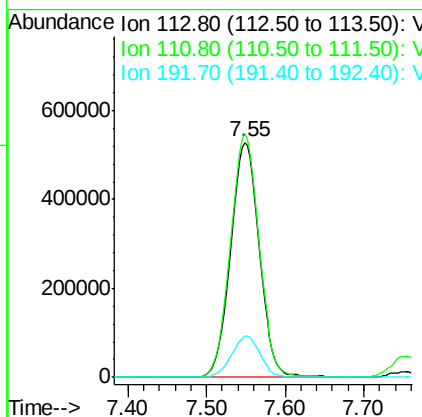
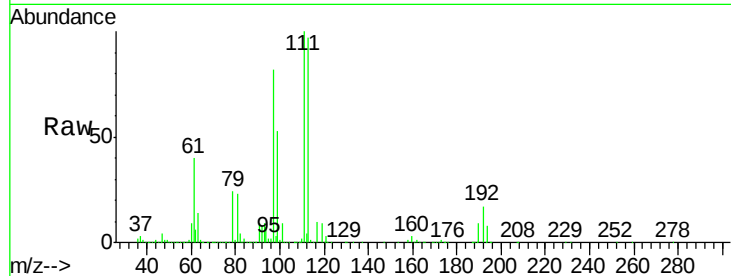
#35
 Dibromofluoromethane
 Concen: 102.247 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.2	124.8
192	17.4	14.2	21.2

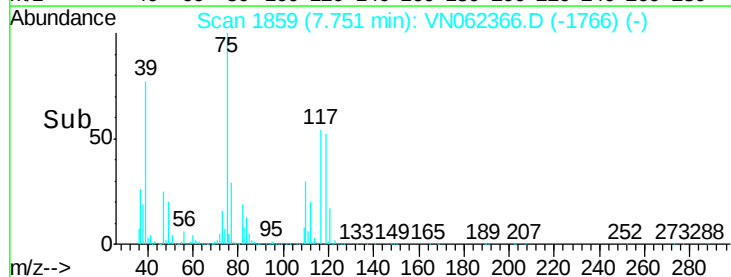
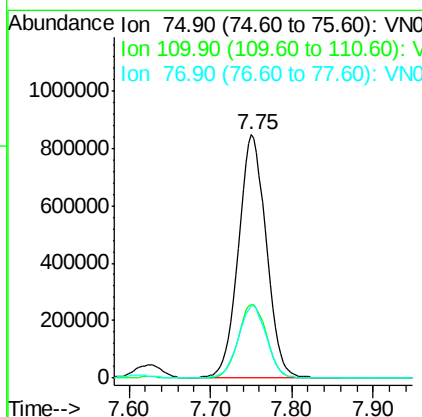
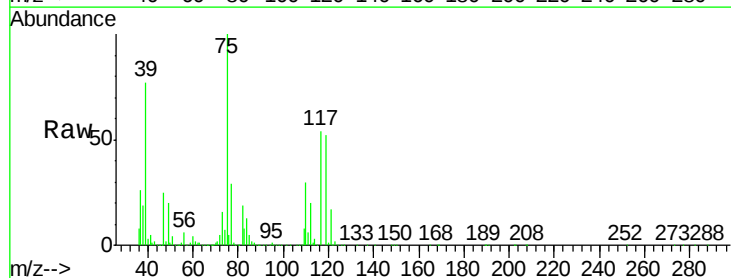
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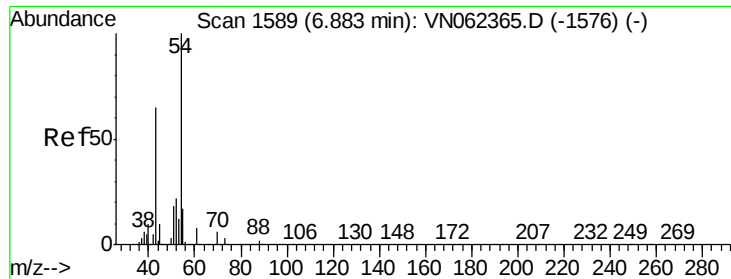
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#36
 1,1-Dichloropropene
 Concen: 99.225 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	15.7	47.1
77	30.5	24.3	36.5





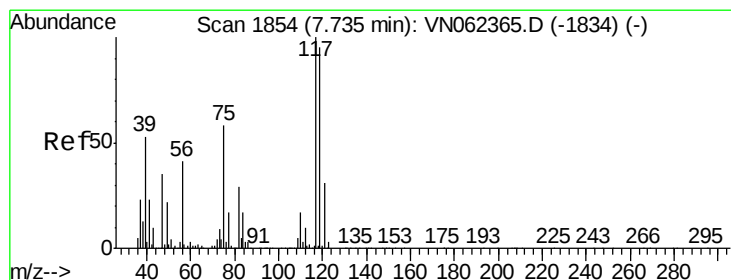
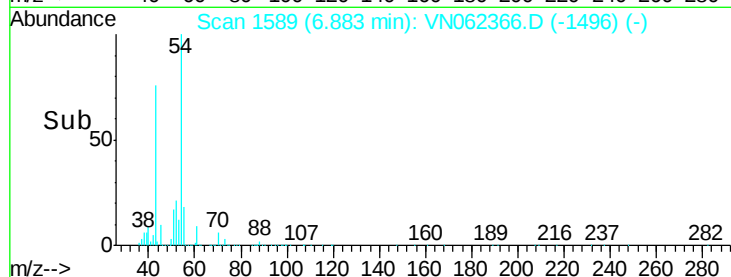
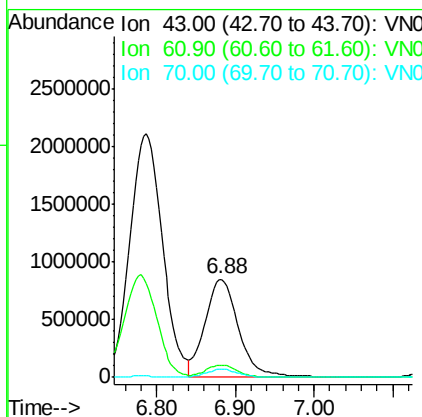
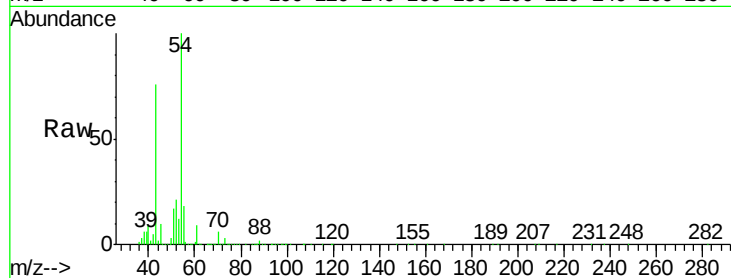
#37
Ethyl Acetate
Concen: 137.591 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	8.8	13.2
70	7.6	6.2	9.4

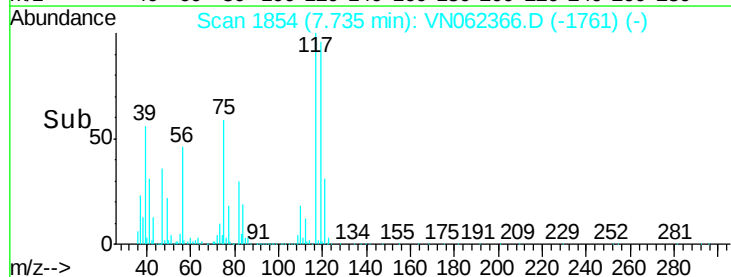
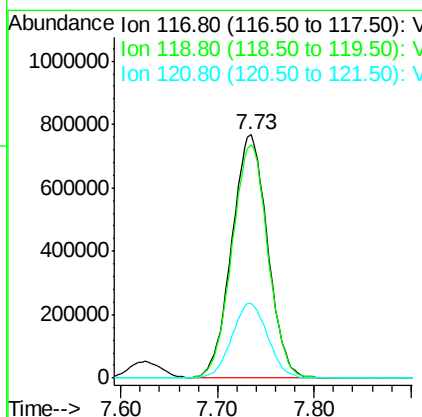
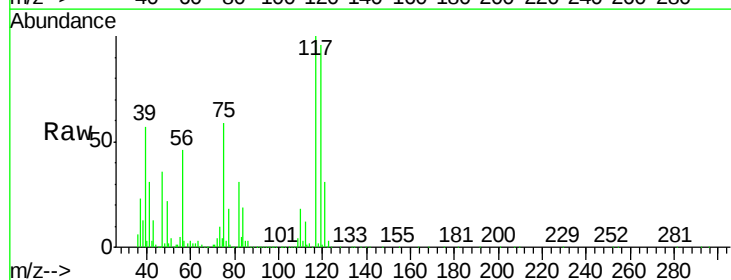
Manual Integrations
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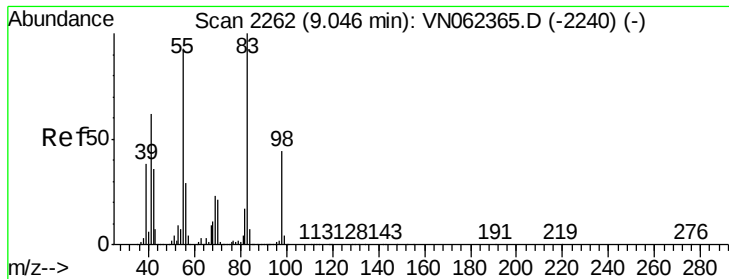
MMDadoda
7/7/2020 10:08:42 AM



#38
Carbon Tetrachloride
Concen: 103.063 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.9	113.9
121	30.8	24.6	36.8





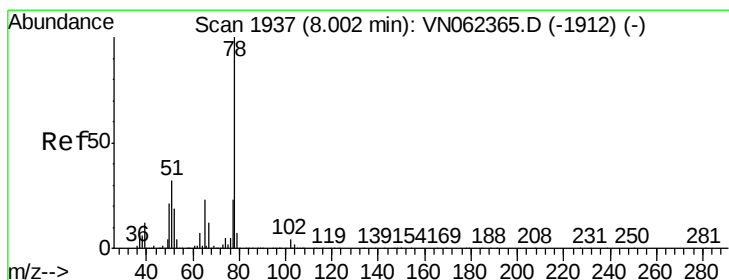
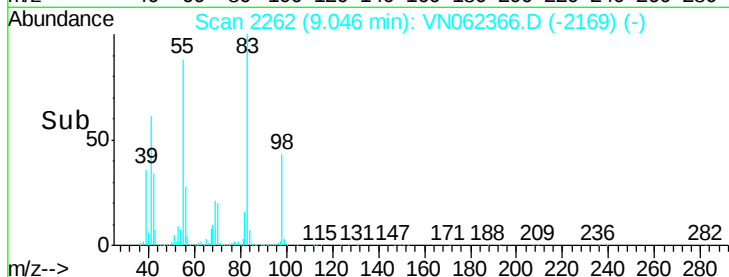
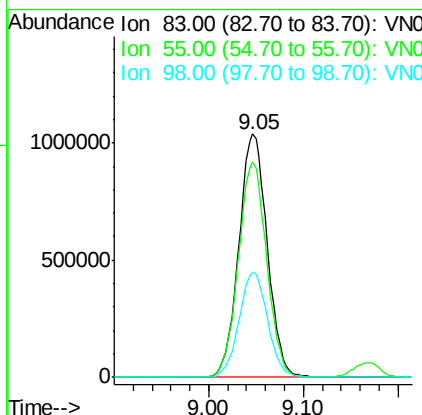
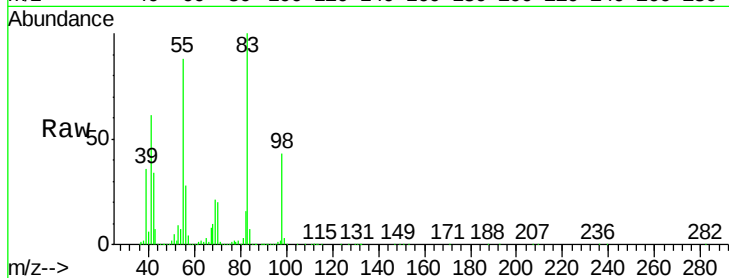
#39
Methvlcvclohexane
Concen: 99.191 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.2	74.1	111.1
98	43.0	35.6	53.4

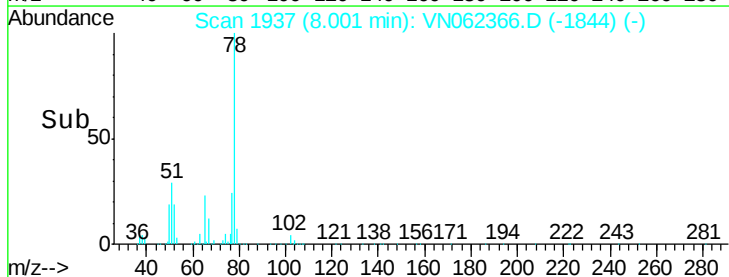
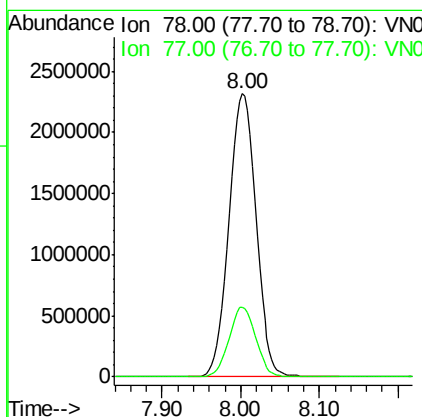
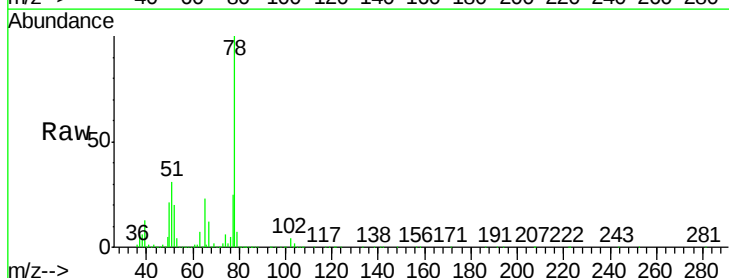
Manual Integrations
APPROVED

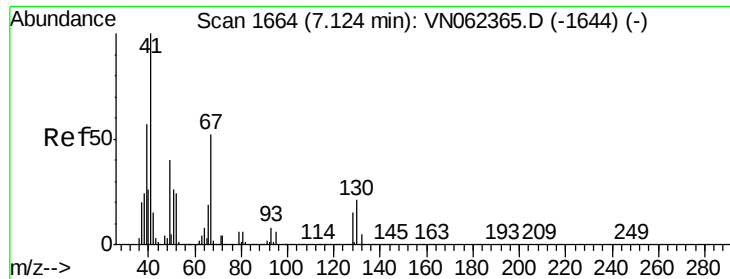
MMDadoda
7/7/2020 10:08:42 AM



#40
Benzene
Concen: 91.961 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	28.0





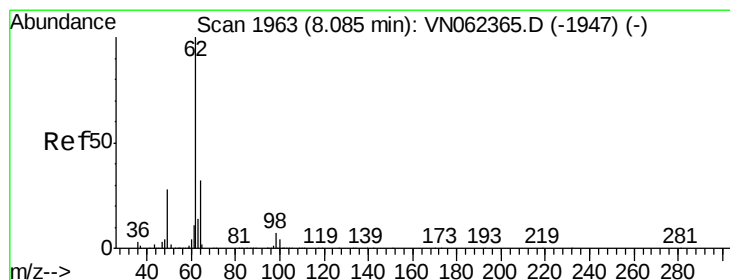
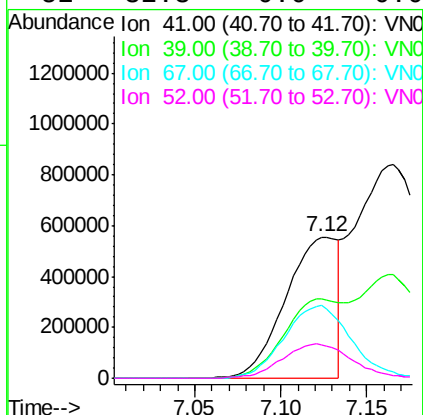
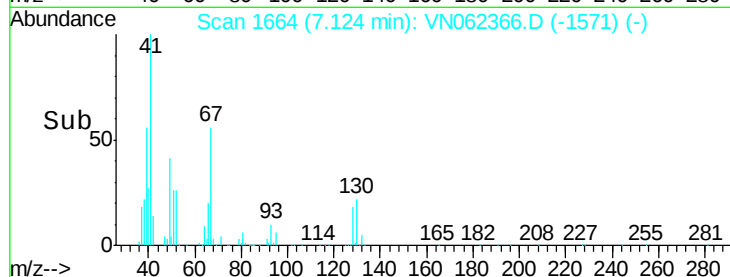
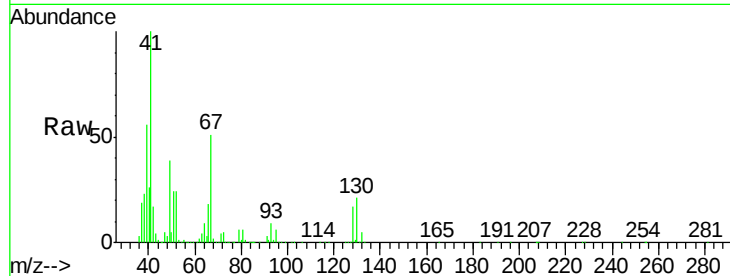
#41
Methacrylonitrile
Concen: 142.600 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.8	0.0	0.0#	
67	67.1	0.0	0.0#	
52	32.3	0.0	0.0#	

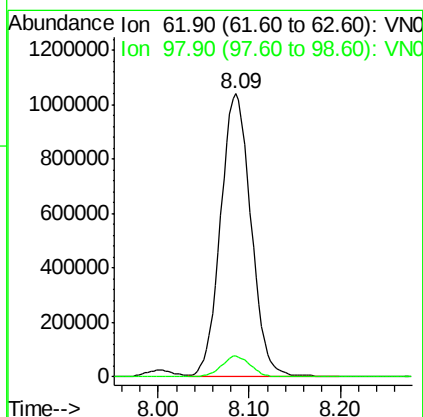
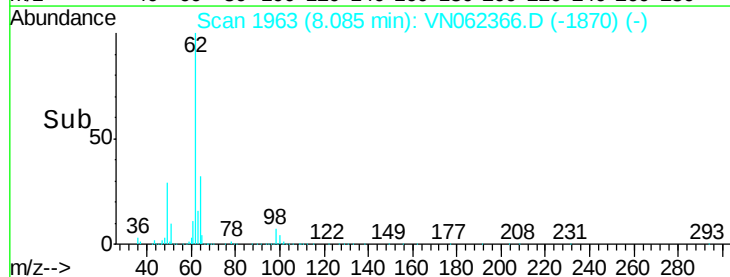
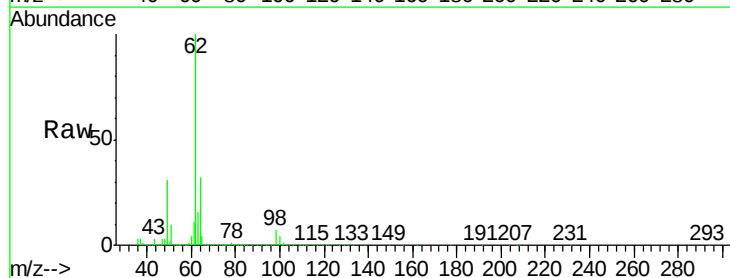
Manual Integrations
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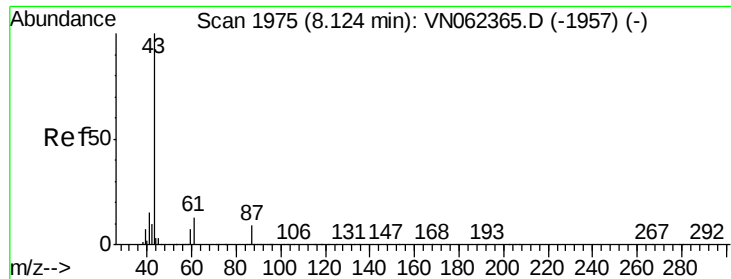
MMDadoda
7/7/2020 10:08:42 AM



#42
1,2-Dichloroethane
Concen: 113.444 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.1	0.0	13.4	





#43

Isopropyl Acetate

Concen: 141.548 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4166301

Ion Ratio Lower Upper

43 100

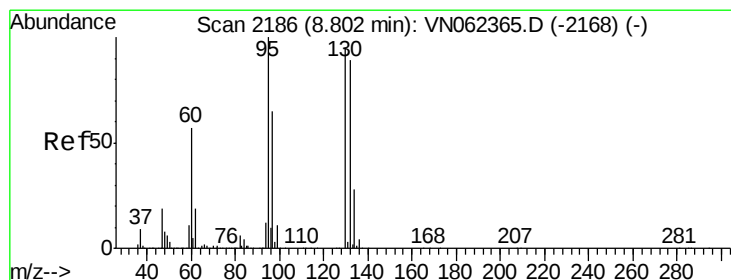
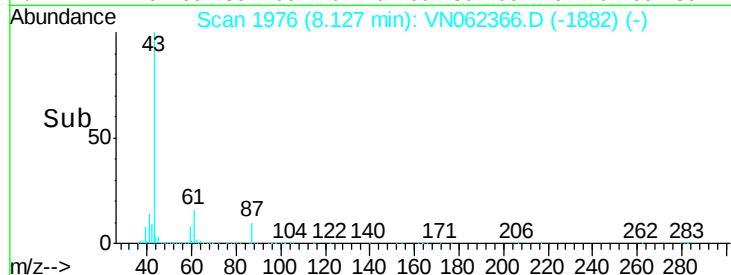
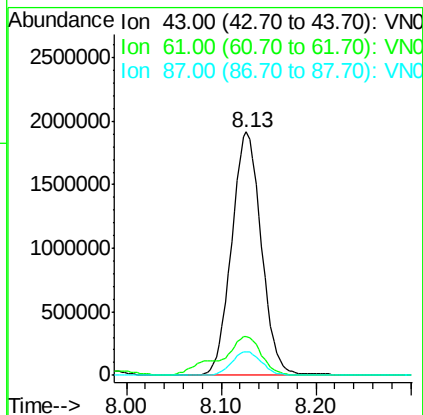
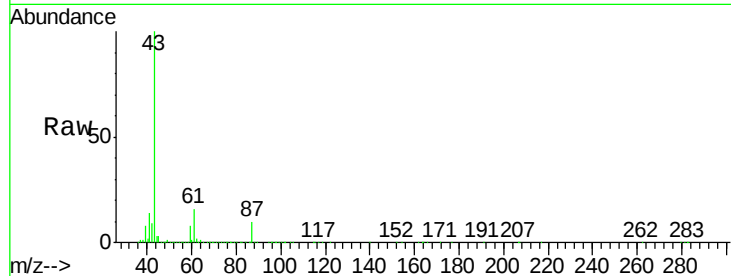
61 16.5 13.1 19.7

87 9.8 7.5 11.3

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7/7/2020 10:08:42 AM



#44

Trichloroethene

Concen: 87.743 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062366.D

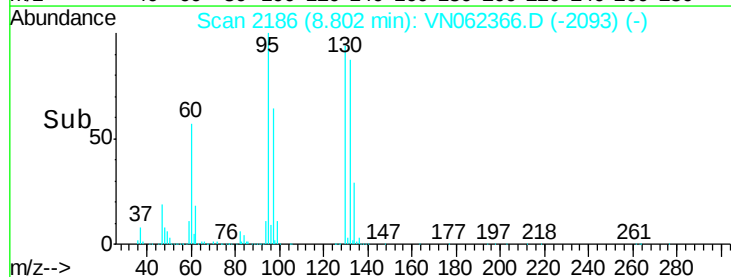
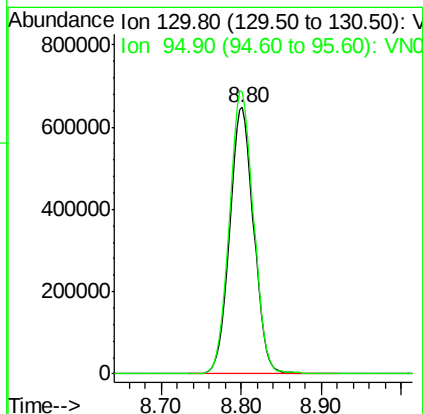
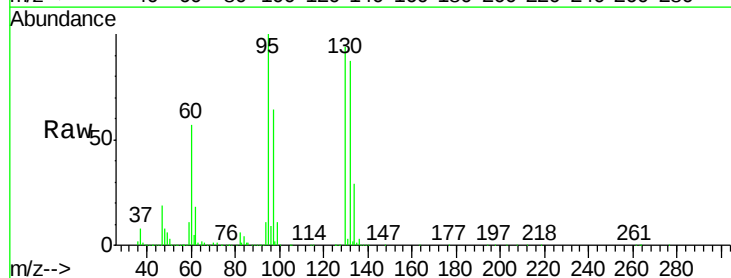
Acq: 6 Jul 2020 14:02

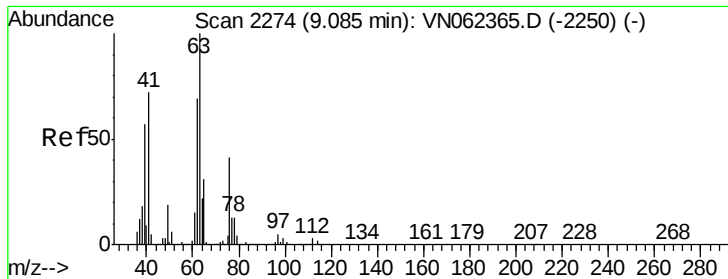
Tgt Ion:130 Resp: 1324083

Ion Ratio Lower Upper

130 100

95 106.0 0.0 209.8





#45

1,2-Dichloropropane

Concen: 107.576 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1648449

Ion Ratio Lower Upper

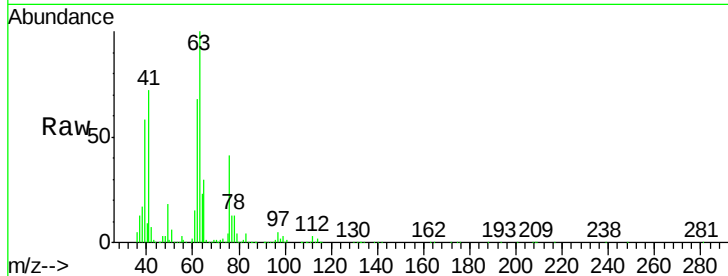
63 100

65 30.2 24.2 36.4

Manual Integrations
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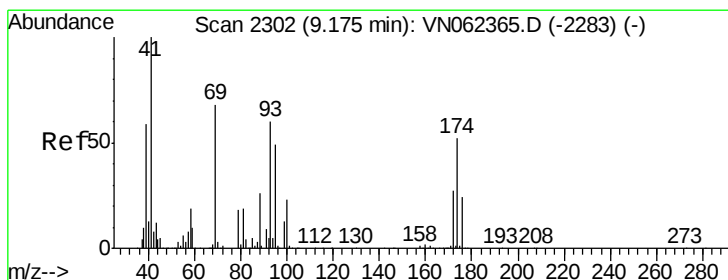
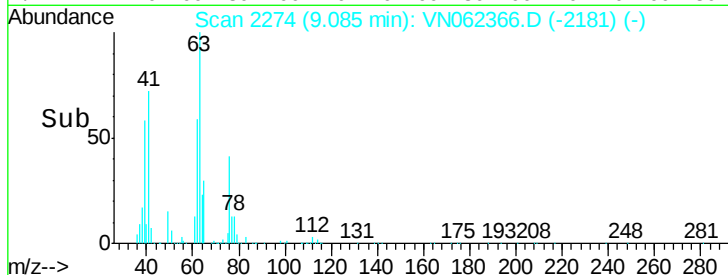
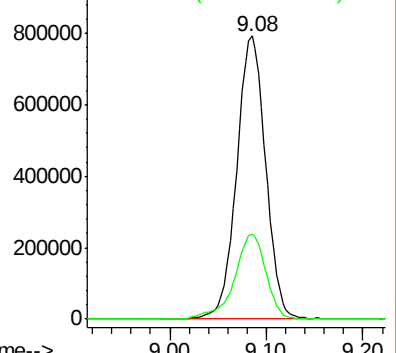
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 99.254 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

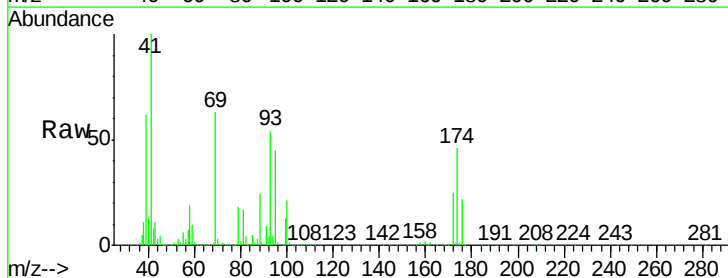
Tgt Ion: 93 Resp: 1012286

Ion Ratio Lower Upper

93 100

95 82.1 64.8 97.2

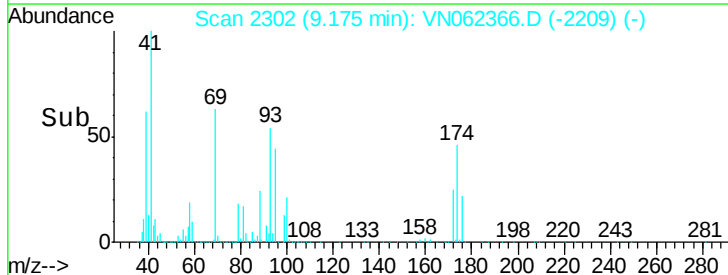
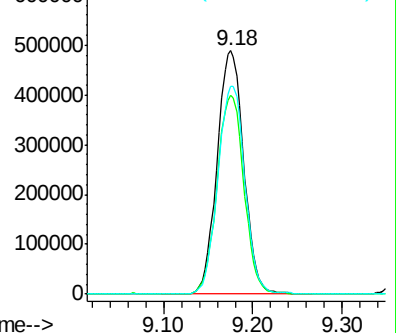
174 86.8 67.6 101.4

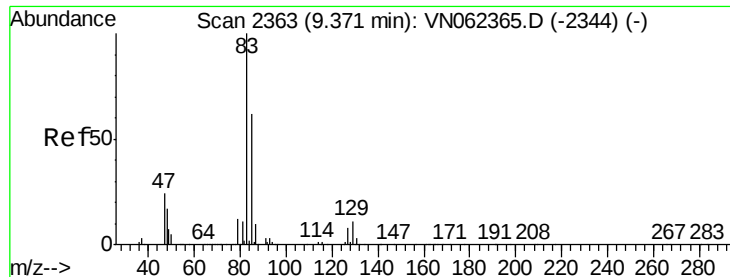


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 104.834 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 2177076

Ion Ratio Lower Upper

83 100

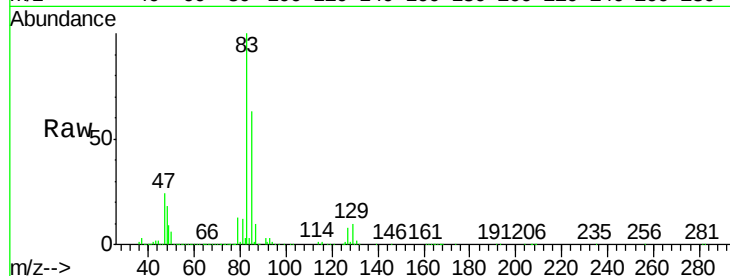
85 63.3 49.8 74.6

127 8.1 6.2 9.2

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Abundance Ion 82.90 (82.60 to 83.60): VN062366.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062366.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062366.D (-2270) (-)

9.37

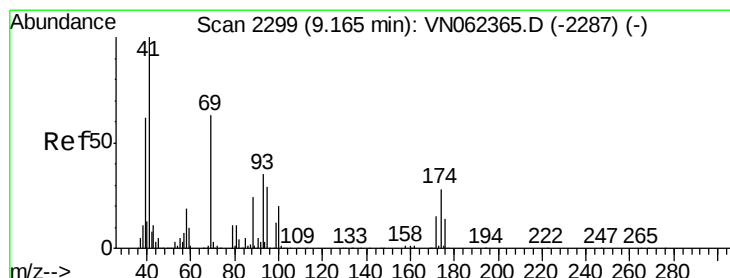
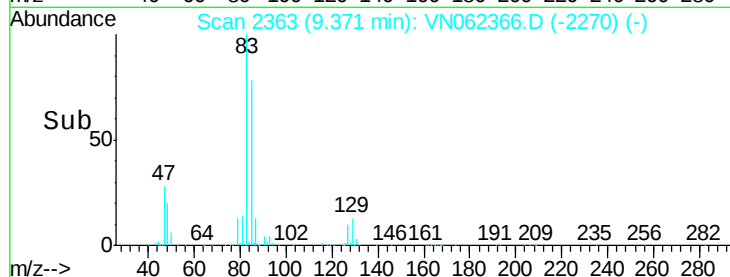
1000000

500000

0

9.30 9.40 9.50

Time-->



#48

Methyl methacrylate

Concen: 155.574 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

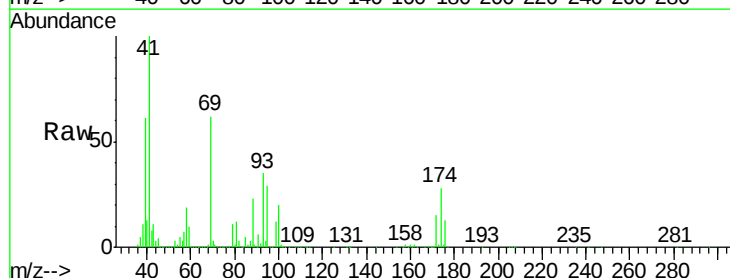
Tgt Ion: 41 Resp: 2103913

Ion Ratio Lower Upper

41 100

69 64.4 51.5 77.3

39 63.1 51.2 76.8



Abundance Ion 41.00 (40.70 to 41.70): VN062366.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062366.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062366.D (-2206) (-)

9.17

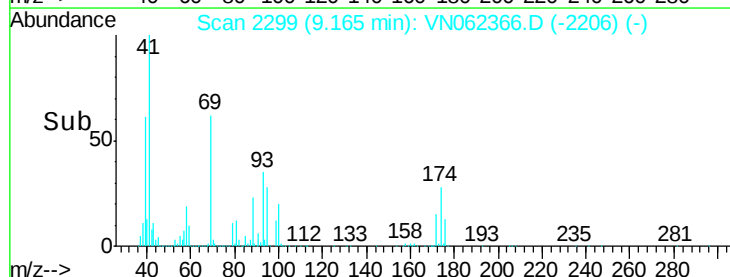
1000000

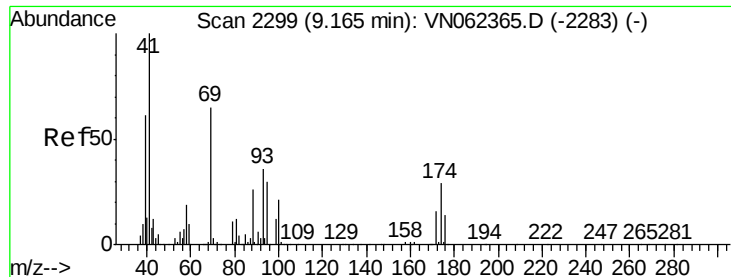
500000

0

9.10 9.15 9.20

Time-->





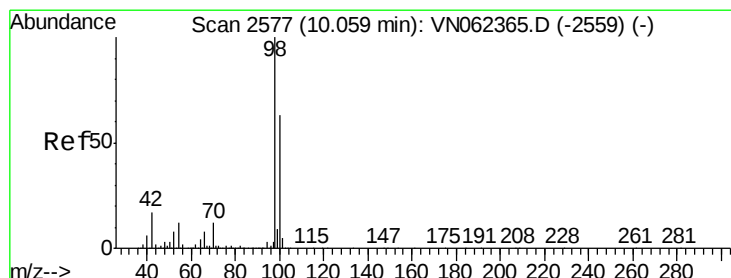
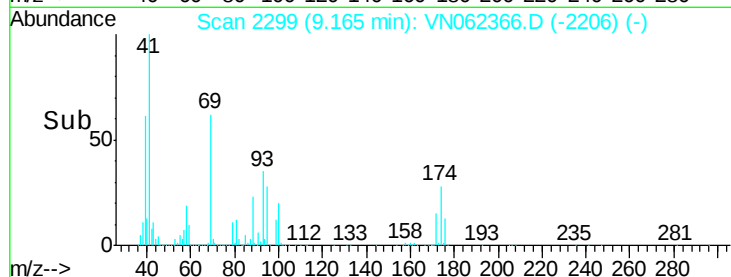
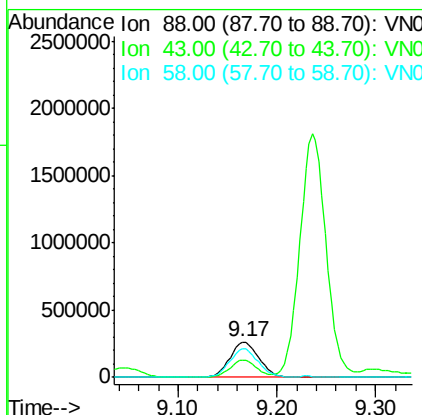
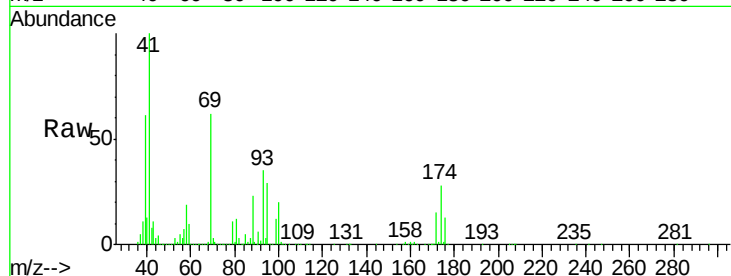
#49
1,4-Dioxane
Concen: 2041.278 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.9	34.0	51.0
58	79.6	63.0	94.4

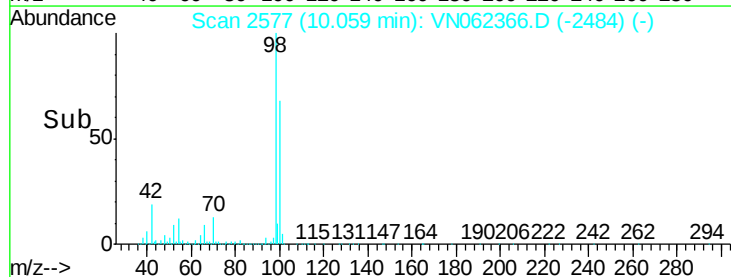
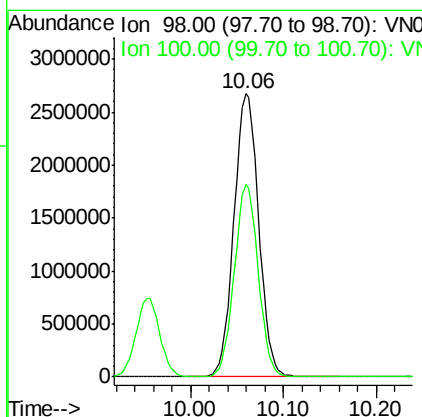
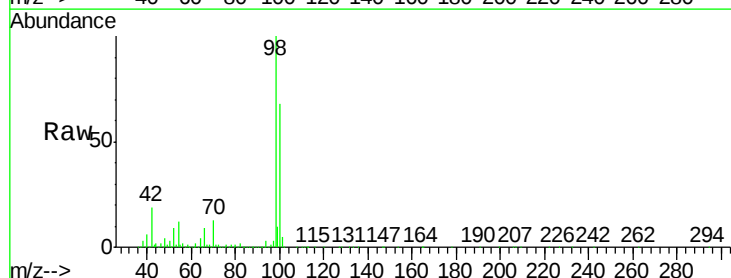
Manual Integrations
APPROVED

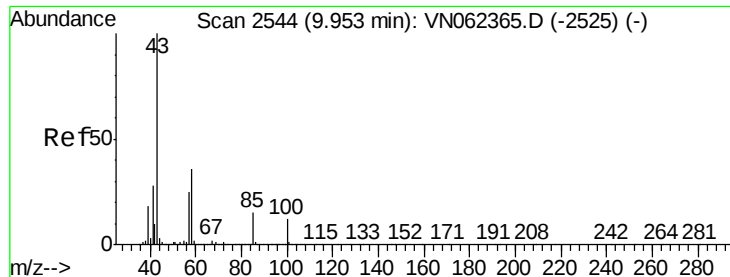
MMDadoda
7/7/2020 10:08:42 AM



#50
Toluene-d8
Concen: 95.715 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	50.2	75.2





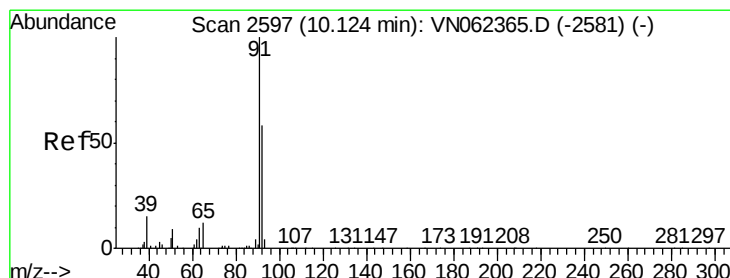
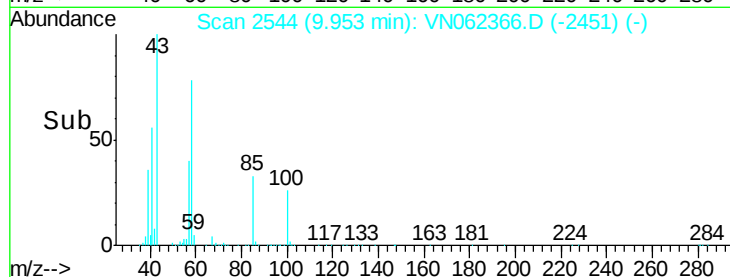
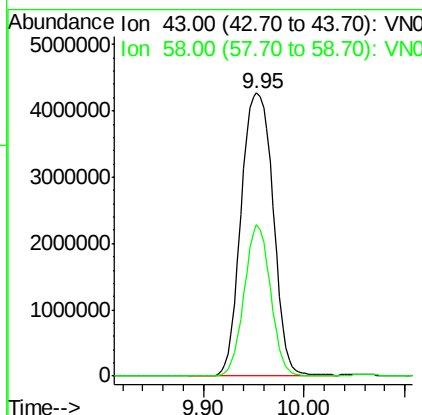
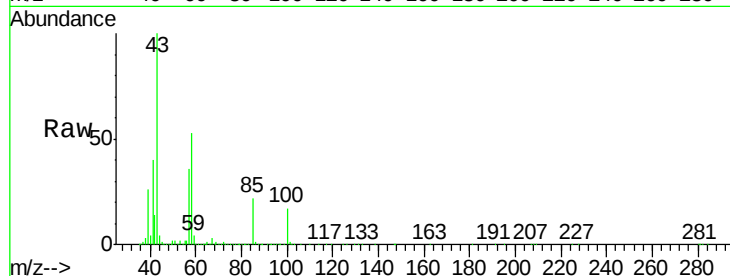
#51
4-Methyl-2-Pentanone
Concen: 550.411 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 9382431
Ion Ratio Lower Upper
43 100
58 43.9 27.6 41.4#

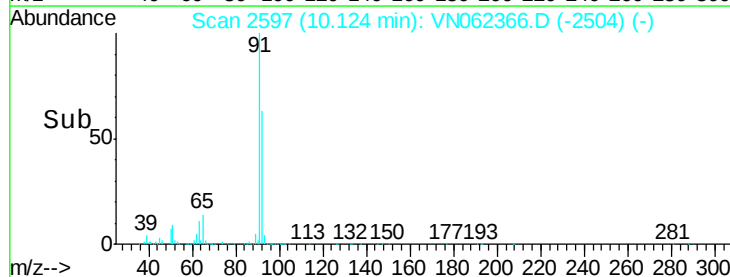
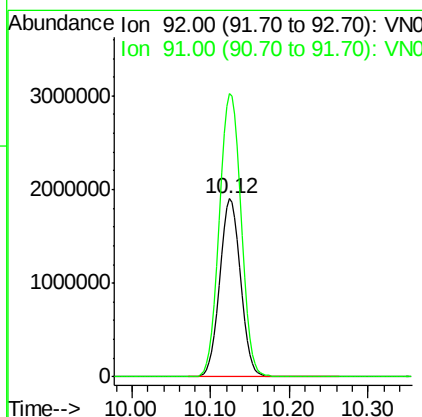
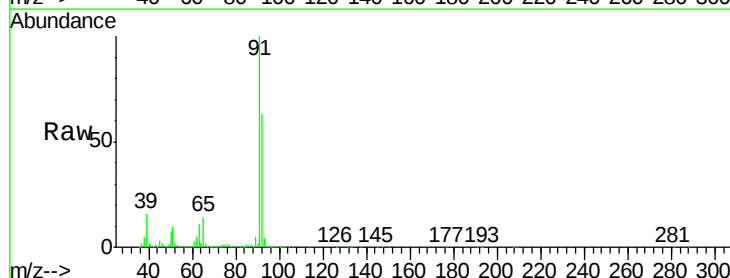
Manual Integrations
APPROVED

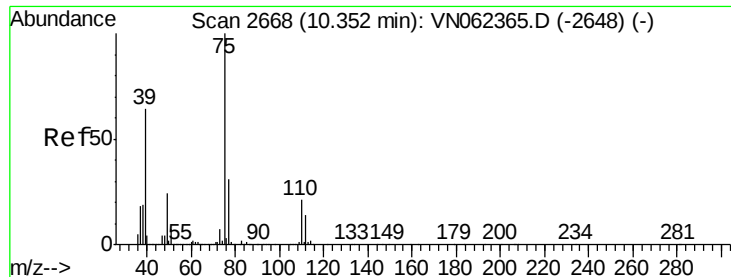
MMDadoda
7/7/2020 10:08:42 AM



#52
Toluene
Concen: 94.413 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 92 Resp: 3454095
Ion Ratio Lower Upper
92 100
91 166.9 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 109.687 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 2513763

Ion Ratio Lower Upper

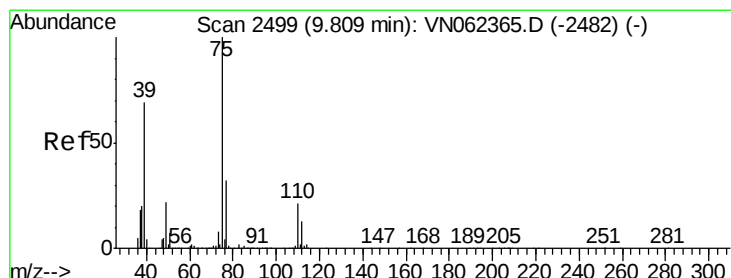
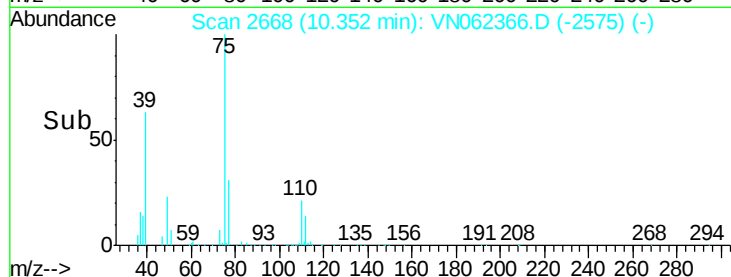
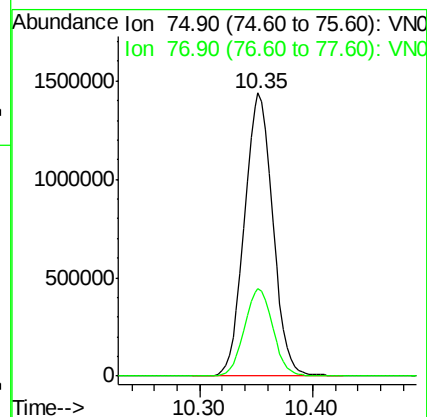
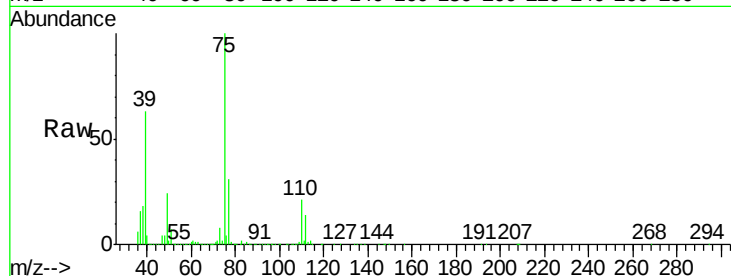
75 100

77 30.8 24.9 37.3

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#54

cis-1,3-Dichloropropene

Concen: 106.974 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

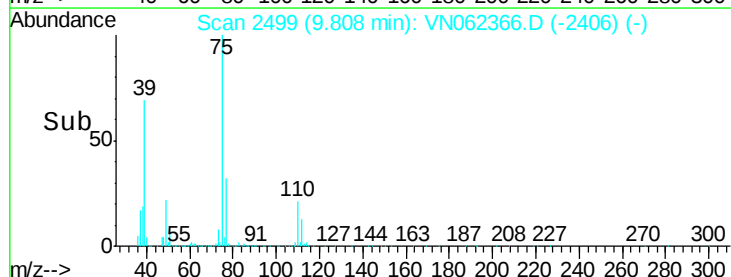
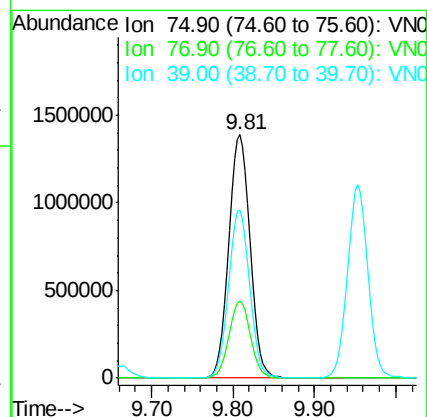
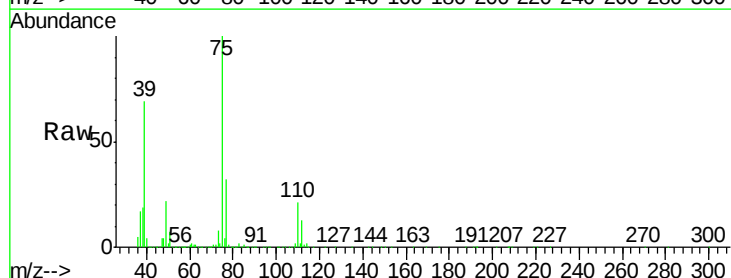
Tgt Ion: 75 Resp: 2592367

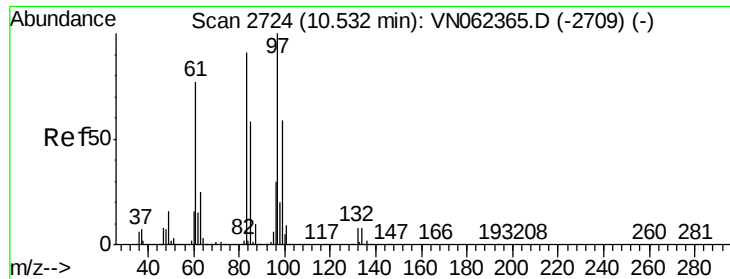
Ion Ratio Lower Upper

75 100

77 31.7 26.0 39.0

39 69.1 55.3 82.9





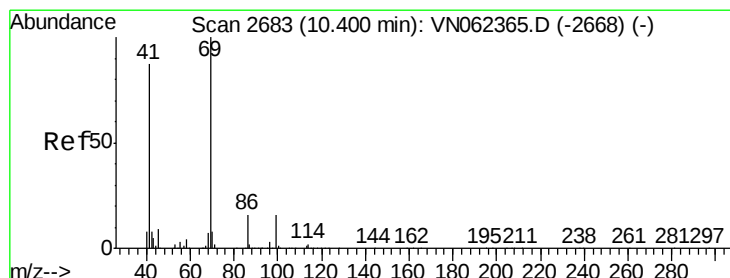
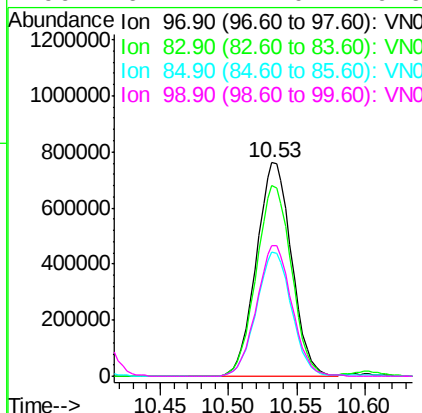
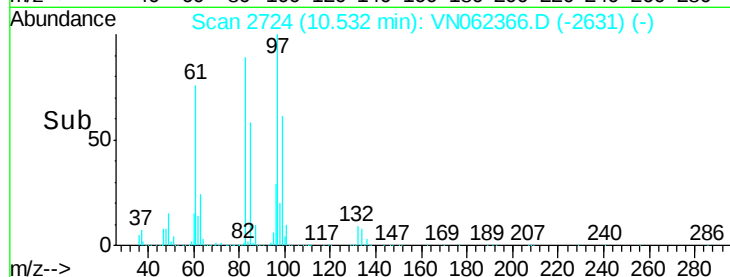
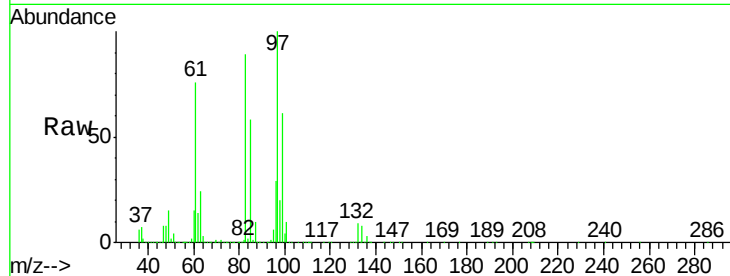
#55
 1,1,2-Trichloroethane
 Concen: 94.982 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.1	72.4	108.6	
85	57.9	46.3	69.5	
99	61.2	47.0	70.6	

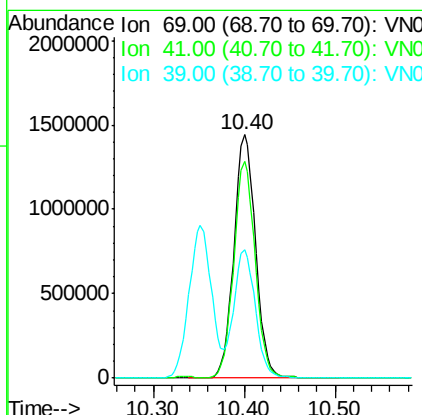
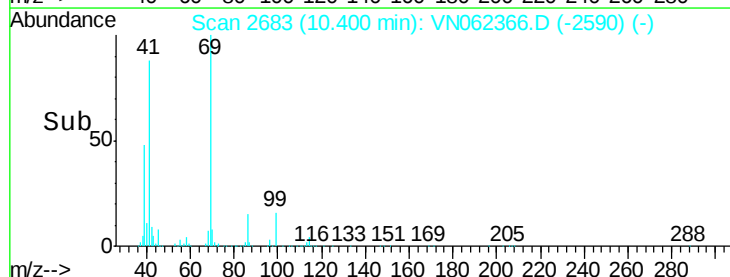
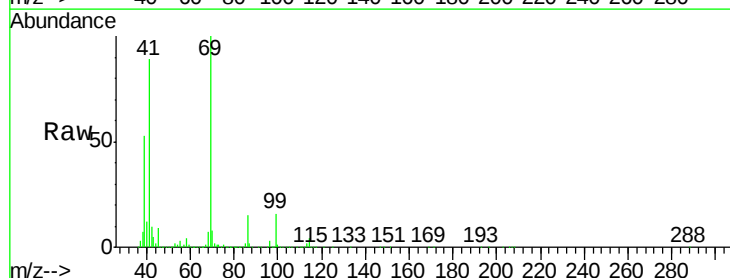
Manual Integrations
 APPROVED

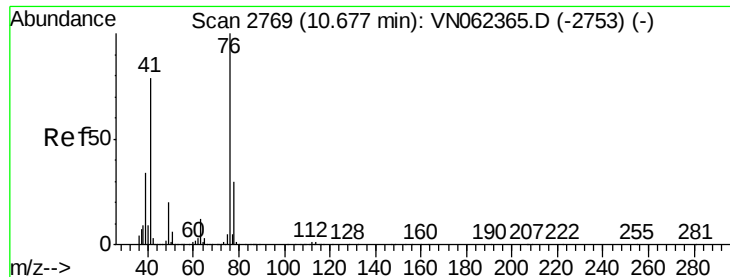
MMDadoda
 7/7/2020 10:08:42 AM



#56
 Ethyl methacrylate
 Concen: 119.989 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	87.3	69.4	104.0	
39	52.0	42.4	63.6	





#57

1,3-Dichloropropane

Concen: 99.162 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 2496481

Ion Ratio Lower Upper

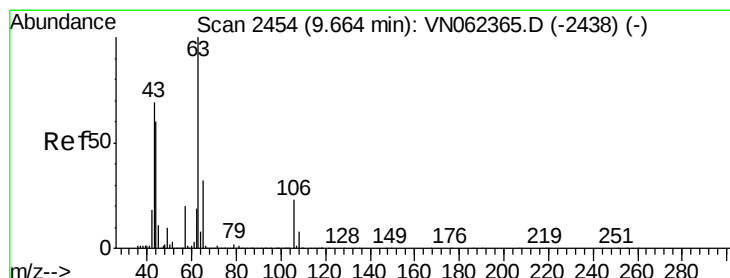
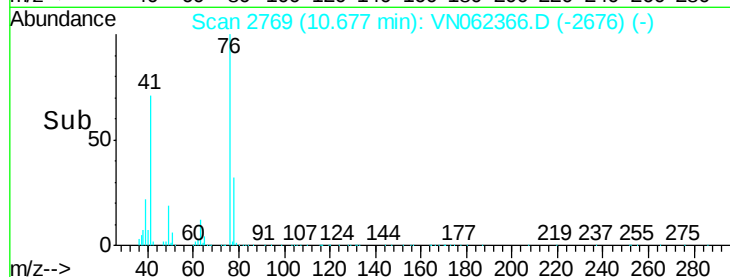
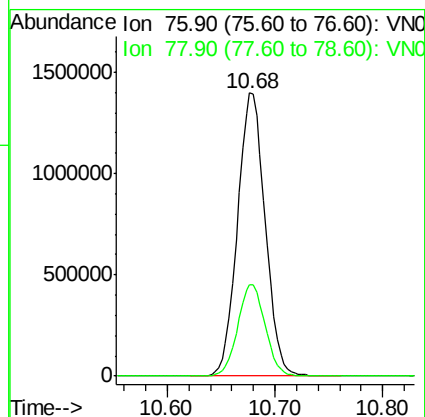
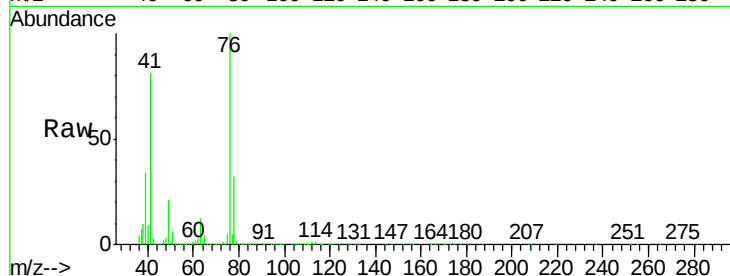
76 100

78 32.2 25.0 37.4

Manual Integrations
APPROVED

MMDadoda

7/7/2020 10:08:42 AM



#58

2-Chloroethyl Vinyl ether

Concen: 570.747 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062366.D

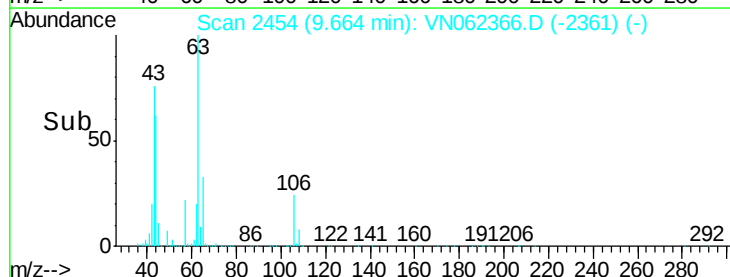
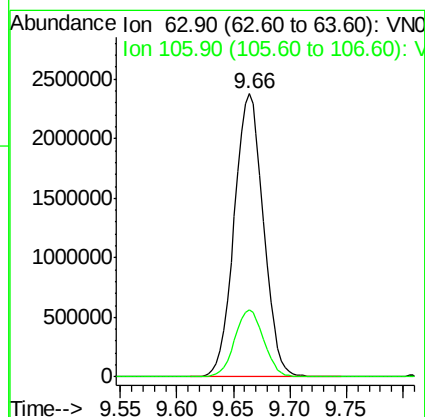
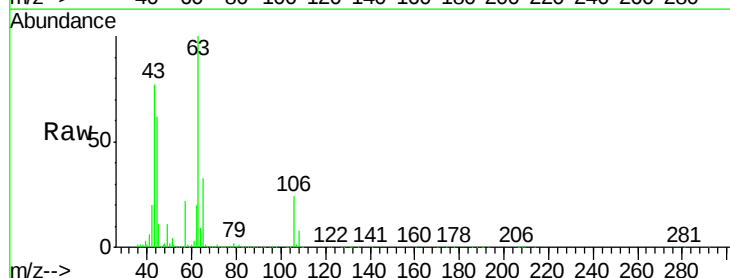
Acq: 6 Jul 2020 14:02

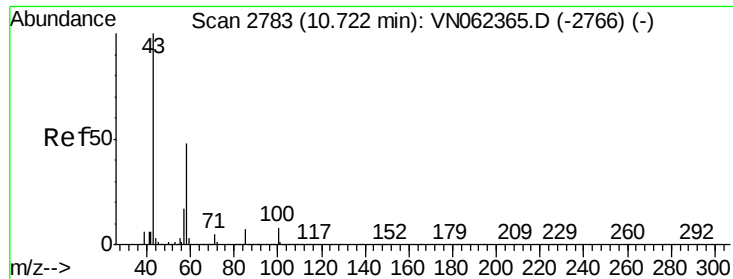
Tgt Ion: 63 Resp: 4269611

Ion Ratio Lower Upper

63 100

106 23.6 18.0 27.0





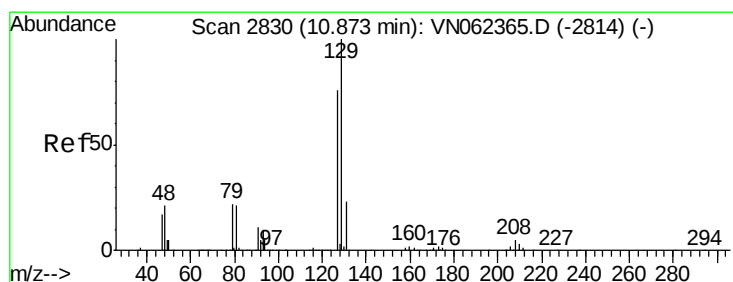
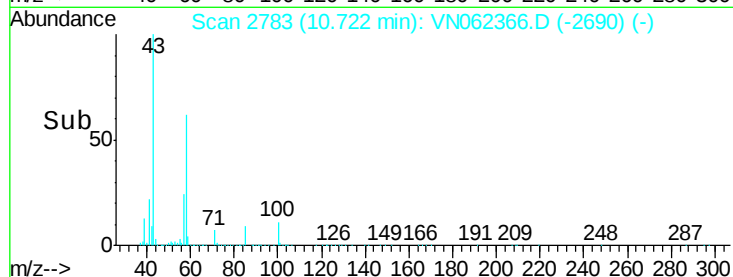
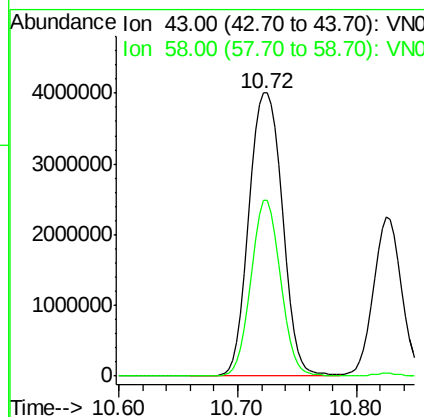
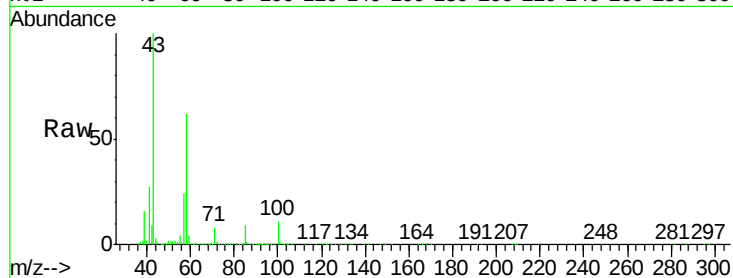
#59
2-Hexanone
Concen: 629.220 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion: 43 Resp: 7828201
Ion Ratio Lower Upper
43 100
58 55.0 23.5 70.6

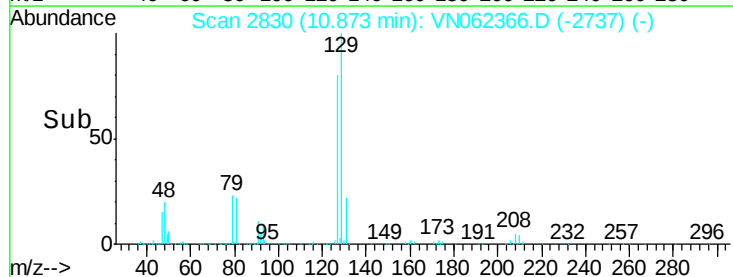
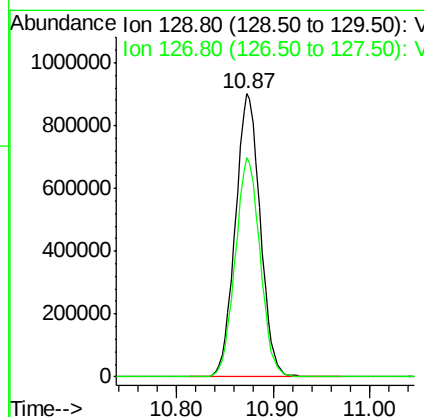
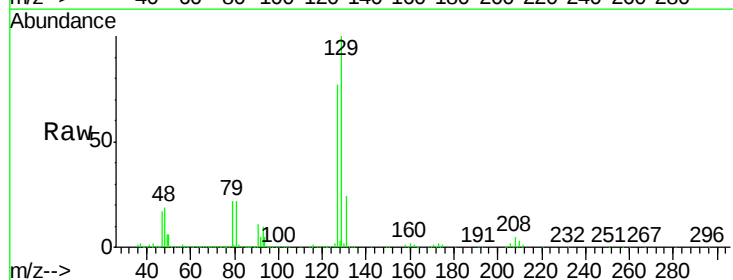
Manual Integrations
APPROVED

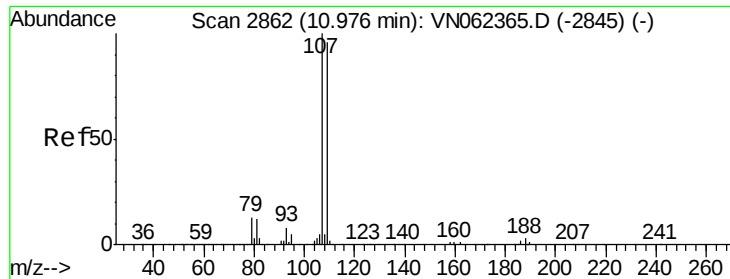
MMDadoda
7/7/2020 10:08:42 AM



#60
Dibromochloromethane
Concen: 104.223 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 129 Resp: 1611466
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





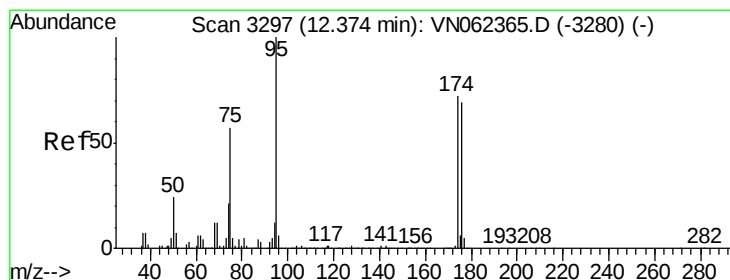
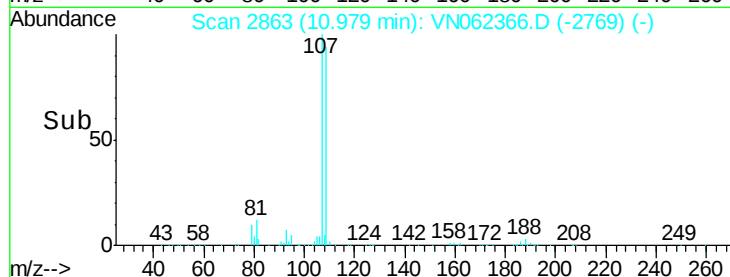
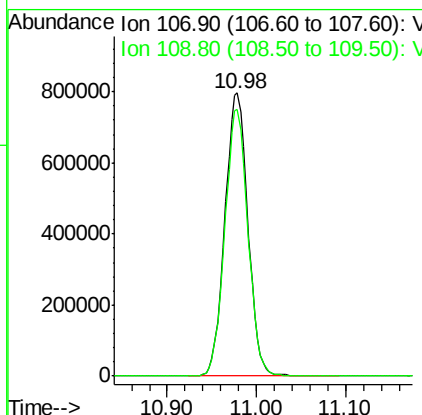
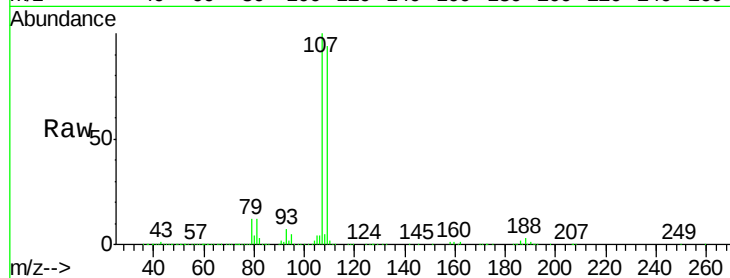
#61
 1,2-Dibromoethane
 Concen: 96.004 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 107 Resp: 1420996
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.4 114.6

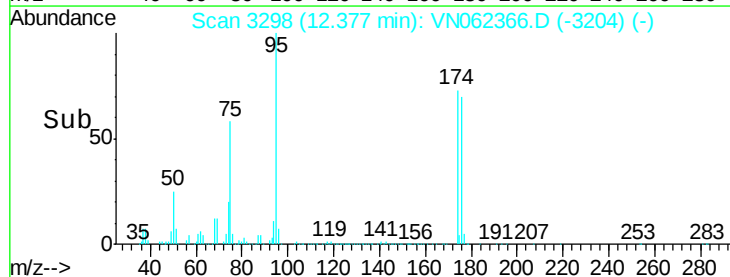
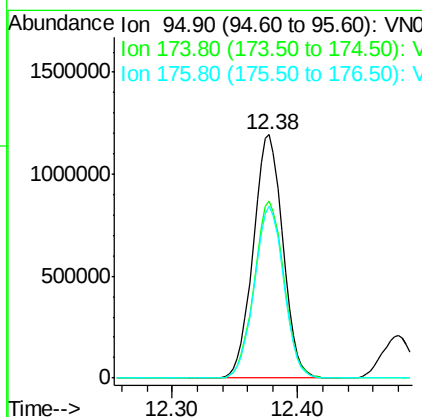
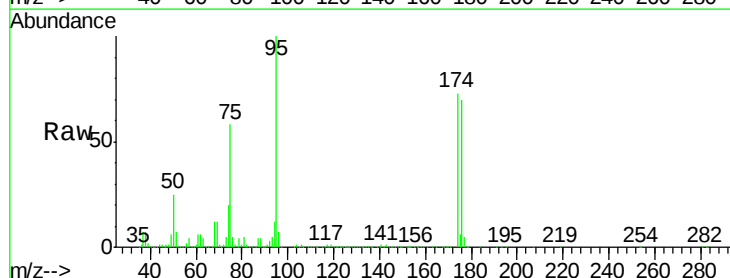
Manual Integrations
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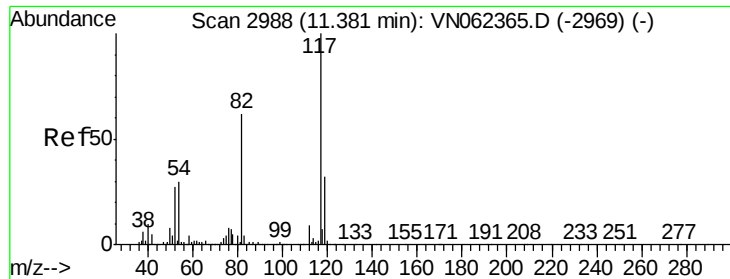
MMDadoda
 7/7/2020 10:08:42 AM



#62
 4-Bromofluorobenzene
 Concen: 110.034 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion: 95 Resp: 1962129
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 145.8
 176 70.4 0.0 140.2





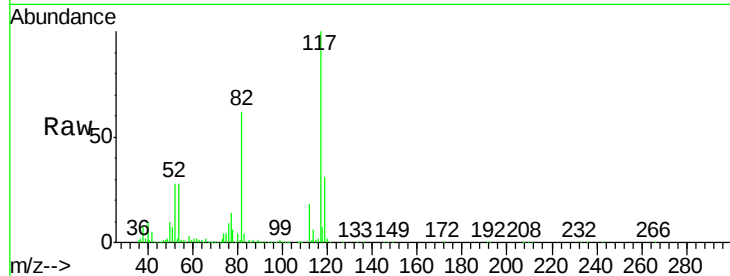
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	49.4	74.2
119	31.3	25.6	38.4

Manual Integrations
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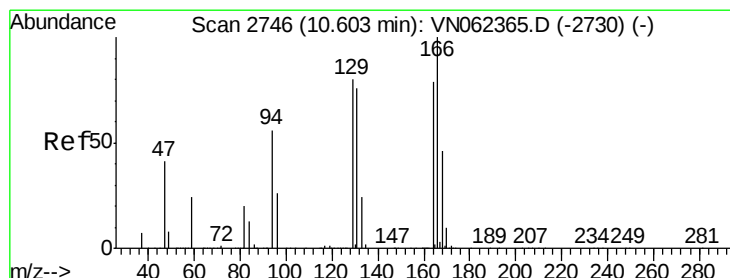
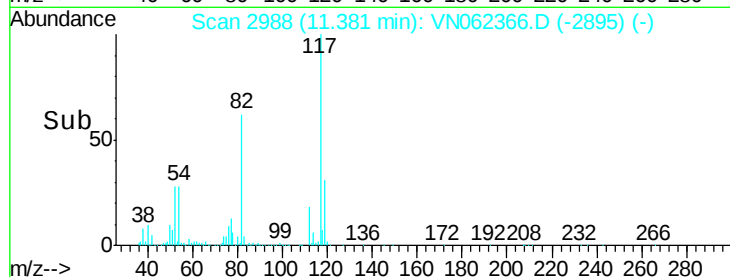
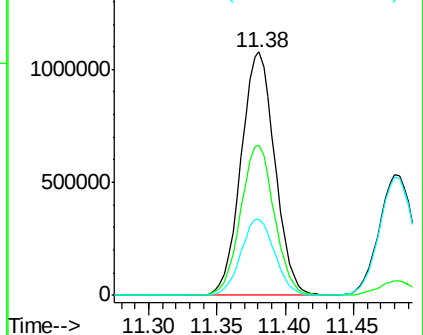


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 87.163 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.6	152.4
129	104.1	81.4	122.2
131	96.5	77.1	115.7

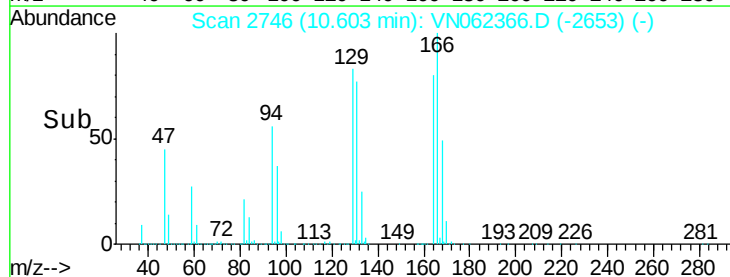
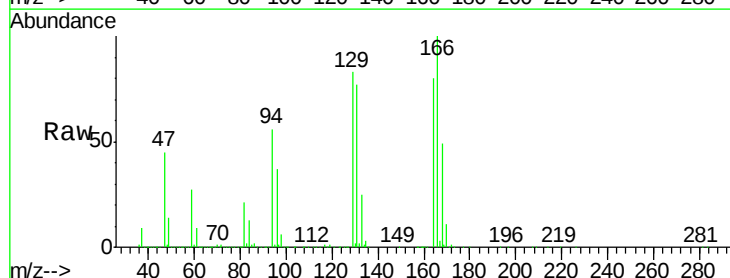
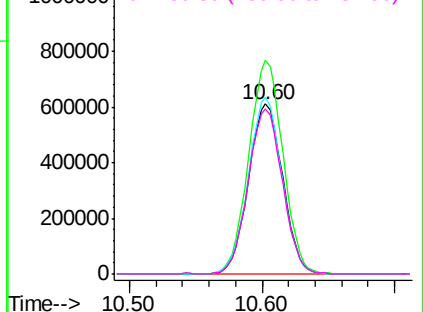
Abundance

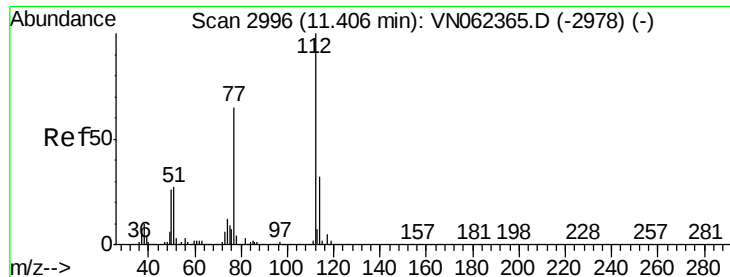
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





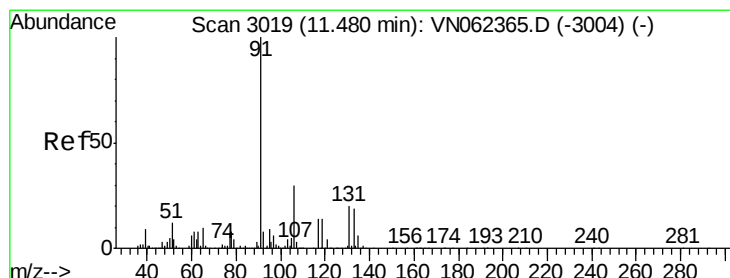
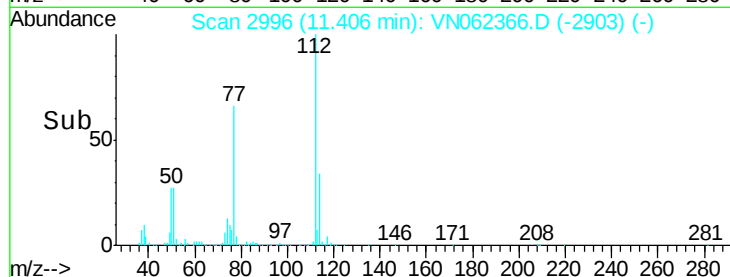
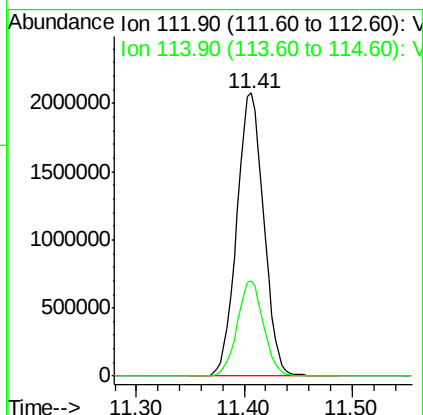
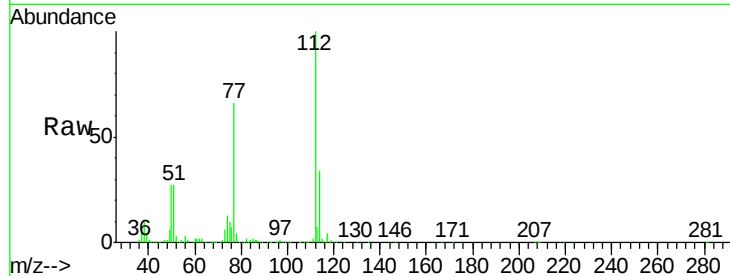
#65
Chlorobenzene
Concen: 89.351 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 3622436
Ion Ratio Lower Upper
112 100
114 33.8 25.8 38.8

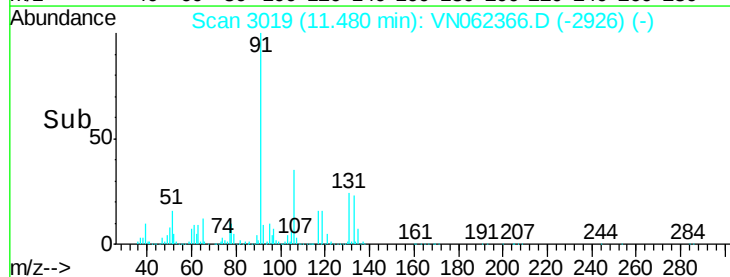
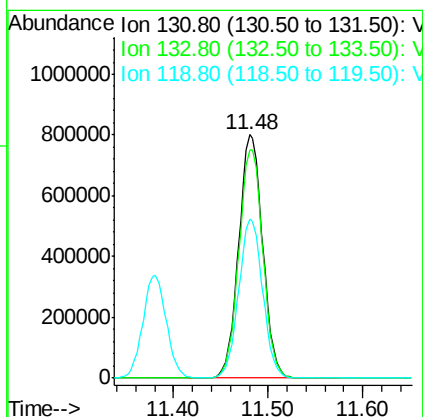
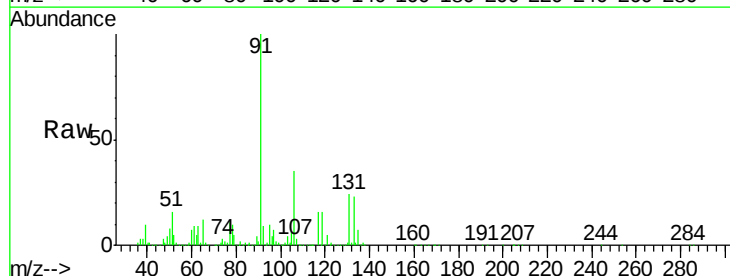
Manual Integrations
APPROVED

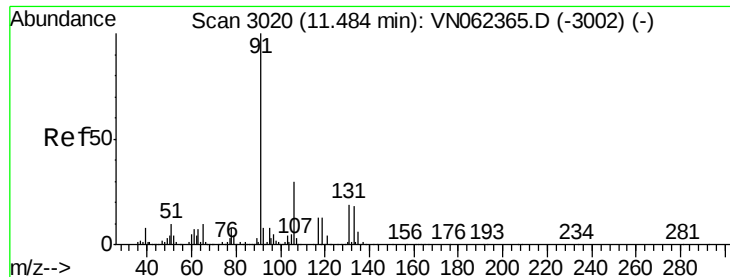
MMDadoda
7/7/2020 10:08:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 99.186 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion:131 Resp: 1403881
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 65.5 33.3 99.9





#67

Ethyl Benzene

Concen: 90.690 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 6260218

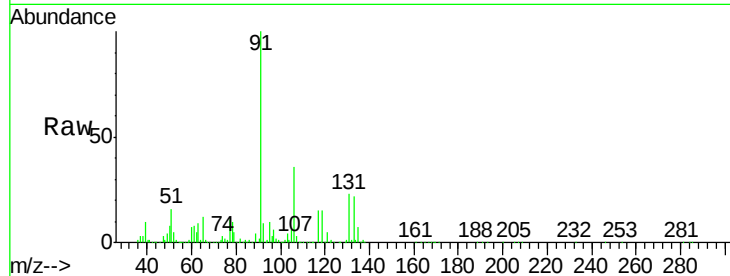
Ion Ratio Lower Upper

91 100

106 36.2 24.2 36.2

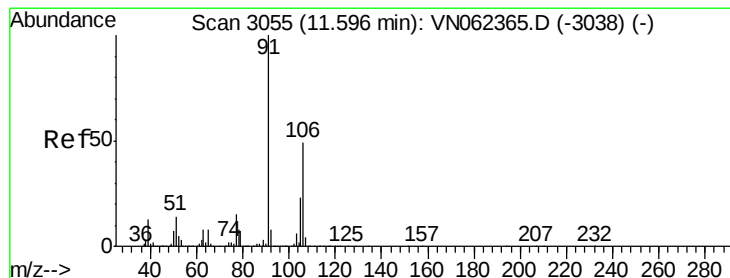
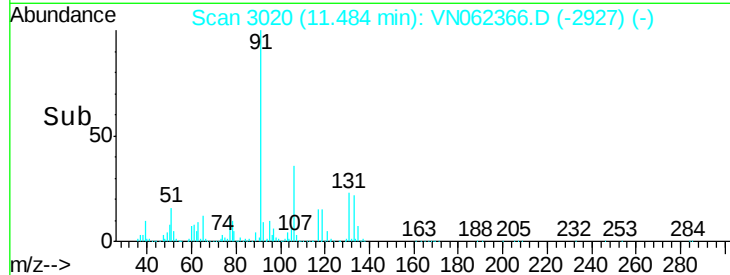
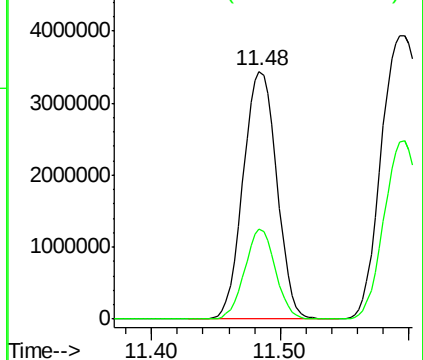
Manual Integrations
APPROVED

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7/7/2020 10:08:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VN062366.D (-2927) (-)

Ion 106.00 (105.70 to 106.70): VN062366.D (-2927) (-)



#68

m/p-Xylenes

Concen: 185.355 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062366.D

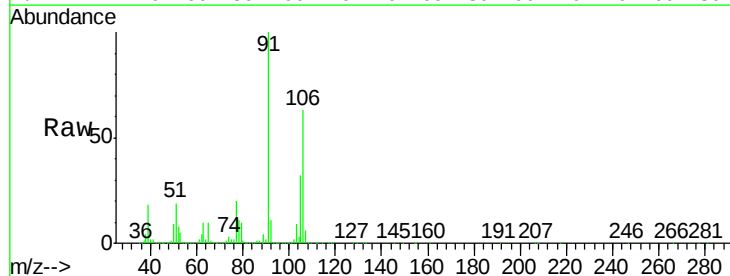
Acq: 6 Jul 2020 14:02

Tgt Ion: 106 Resp: 4898102

Ion Ratio Lower Upper

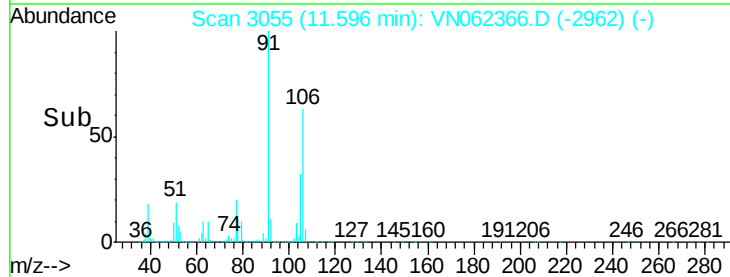
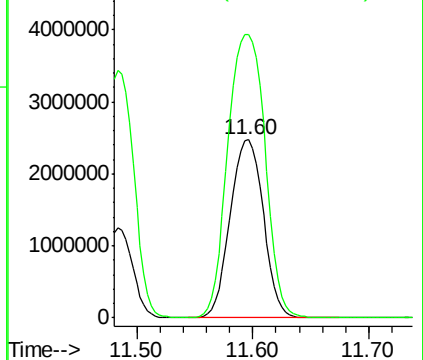
106 100

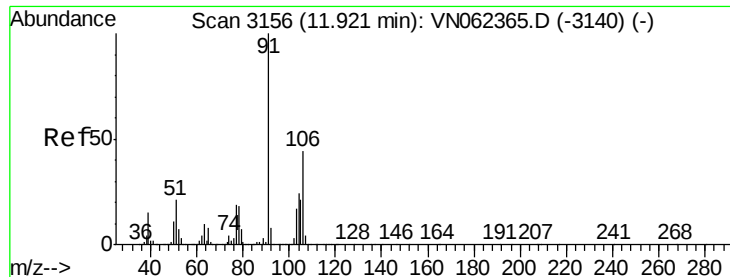
91 179.5 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): VN062366.D (-2962) (-)

Ion 91.00 (90.70 to 91.70): VN062366.D (-2962) (-)





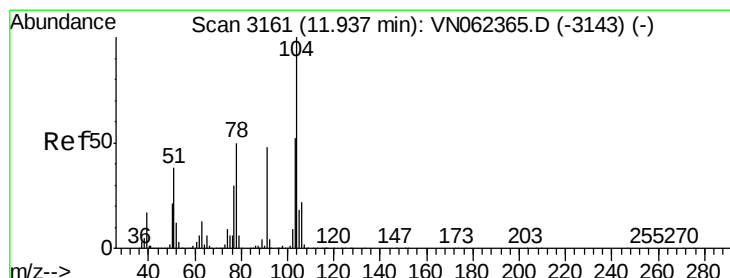
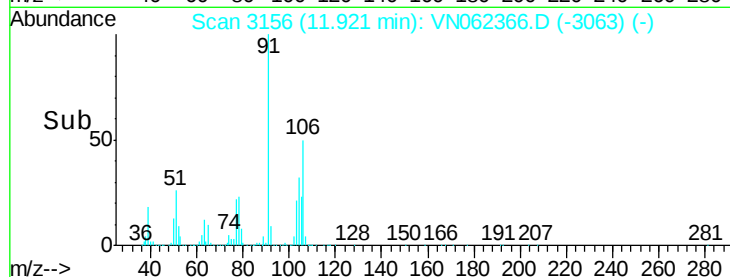
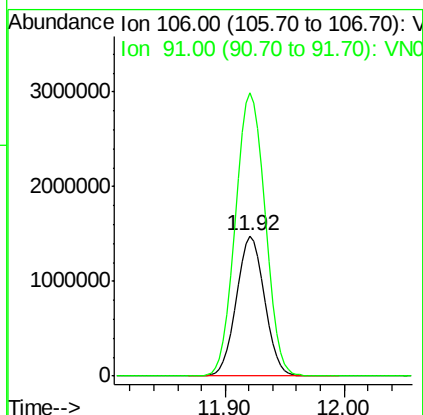
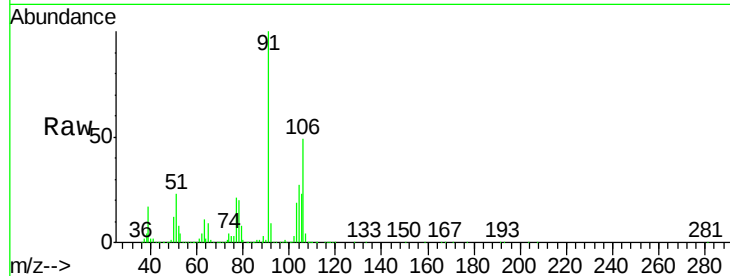
#69
o-Xylene
Concen: 97.744 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2435704
Ion Ratio Lower Upper
106 100
91 212.7 113.1 339.4

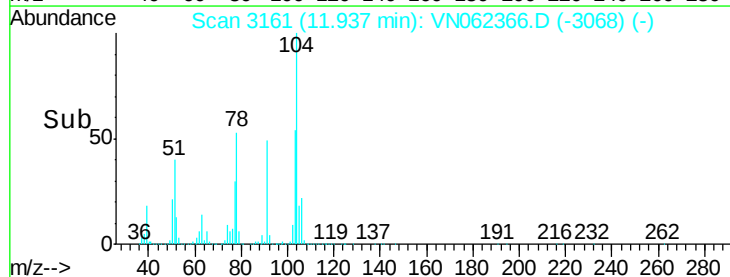
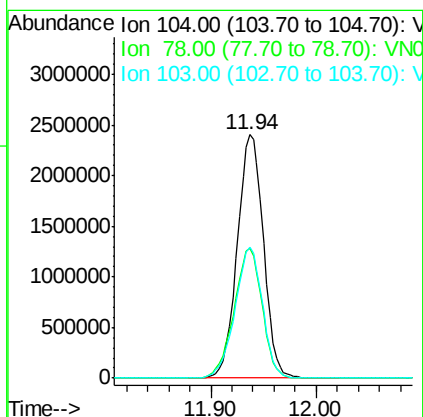
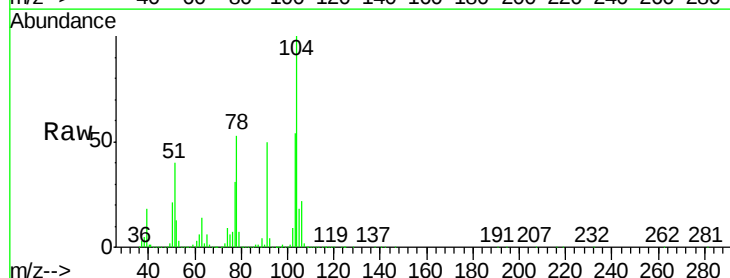
Manual Integrations
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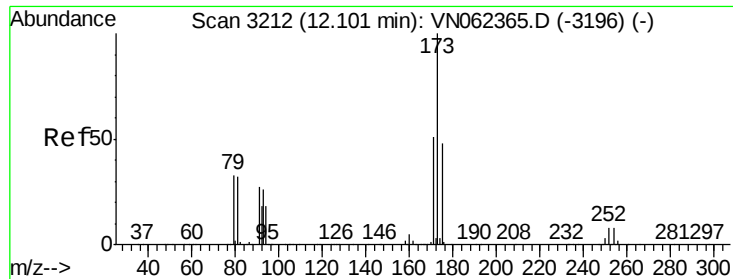
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#70
Styrene
Concen: 99.132 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion:104 Resp: 4128402
Ion Ratio Lower Upper
104 100
78 57.1 44.8 67.2
103 56.4 45.0 67.4





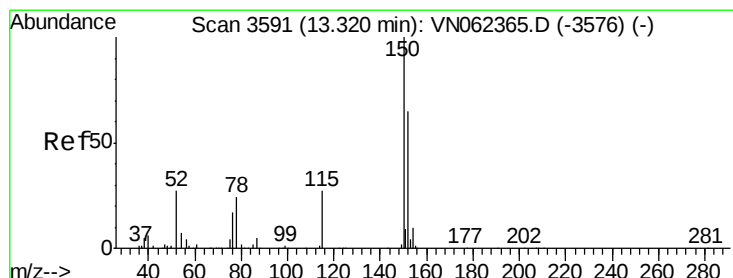
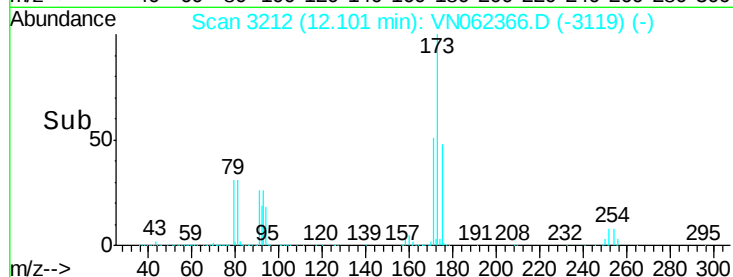
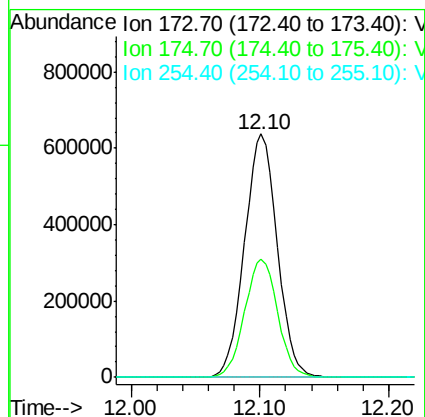
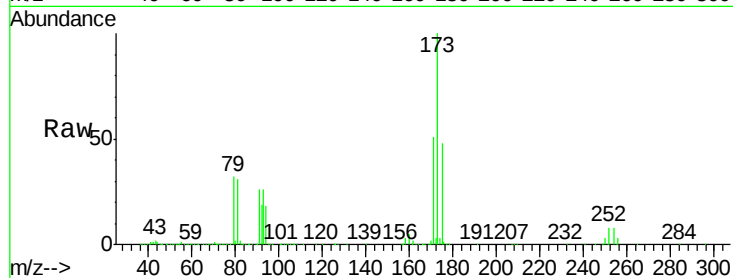
#71
Bromoform
Concen: 110.302 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:173 Resp: 1126331
Ion Ratio Lower Upper
173 100
175 48.9 24.1 72.2
254 0.1 0.2 0.2#

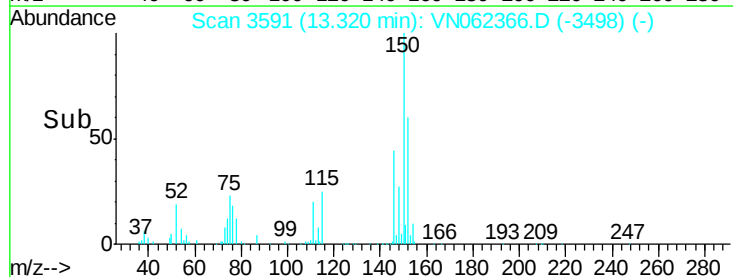
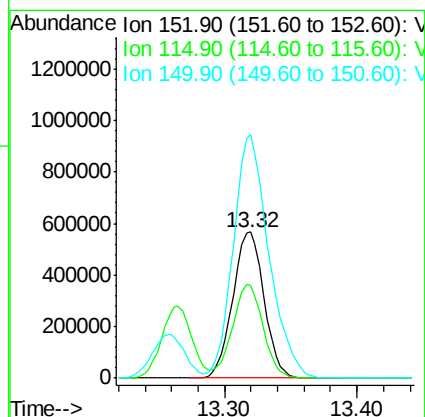
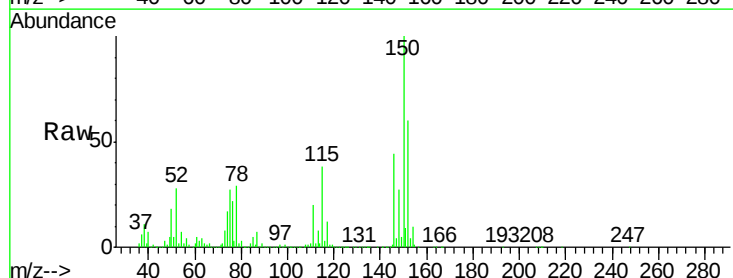
Manual Integrations
APPROVED

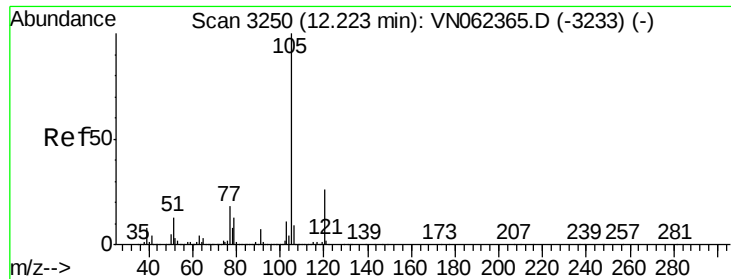
MMDadoda
7/7/2020 10:08:42 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion:152 Resp: 923569
Ion Ratio Lower Upper
152 100
115 62.5 30.5 91.5
150 189.7 0.0 346.8





#73

Isopropylbenzene

Concen: 84.509 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 6025876

Ion Ratio Lower Upper

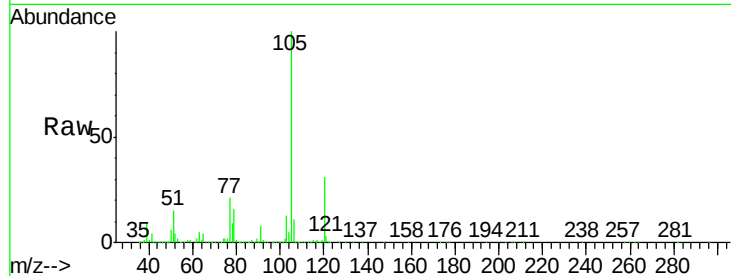
105 100

120 28.4 12.8 38.3

Manual Integrations
APPROVED

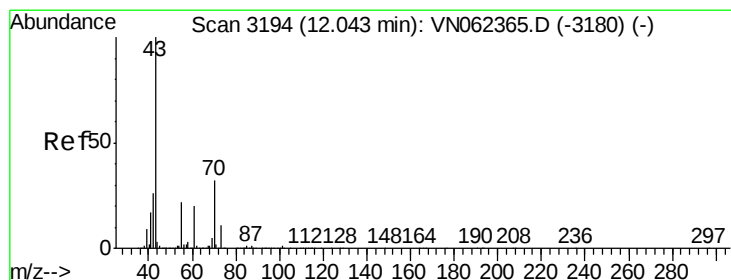
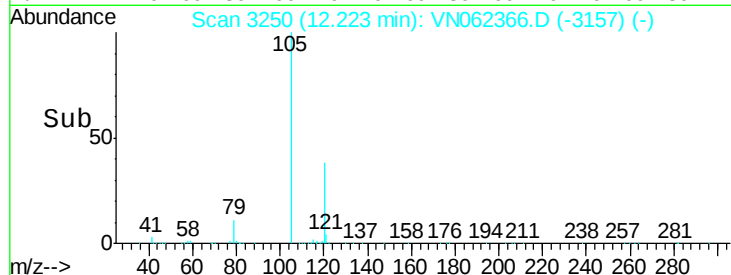
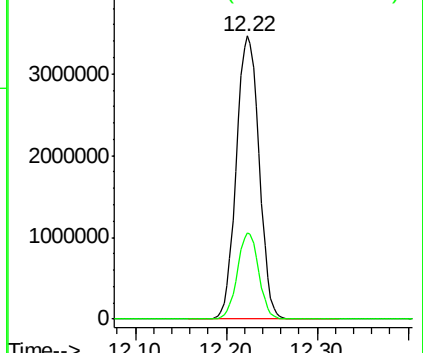
MMDadoda

7/7/2020 10:08:42 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 146.817 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Tgt Ion: 43 Resp: 3792655

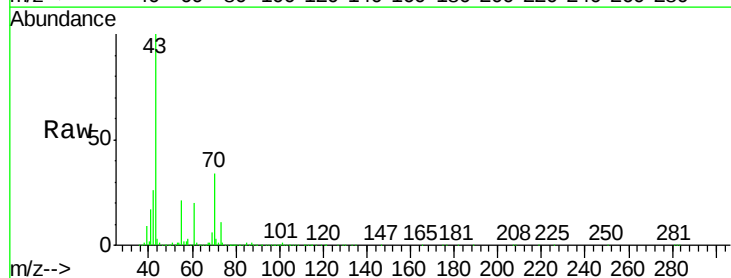
Ion Ratio Lower Upper

43 100

70 33.4 25.9 38.9

55 21.5 17.4 26.0

61 20.1 15.6 23.4

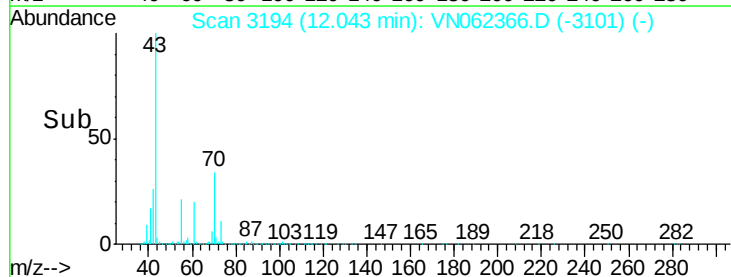
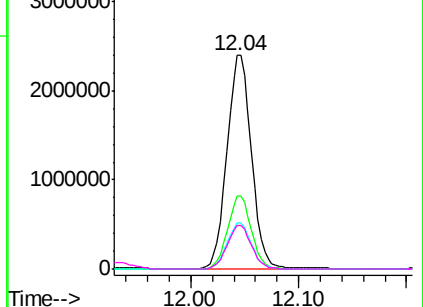


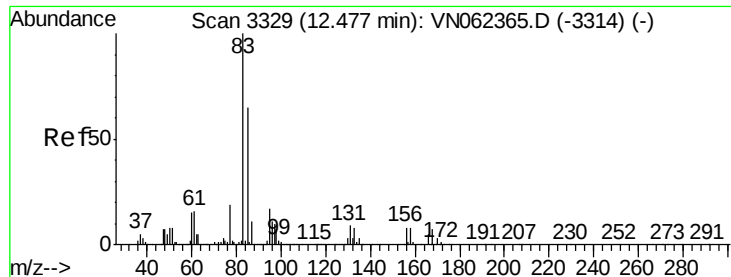
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 88.078 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 2106024

Ion Ratio Lower Upper

83 100

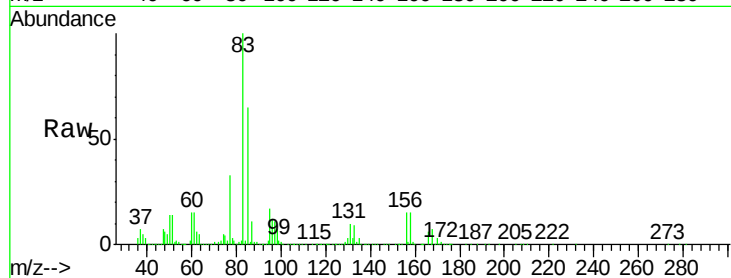
131 9.7 4.8 14.3

85 64.6 32.3 96.9

Manual Integrations
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MMDadoda

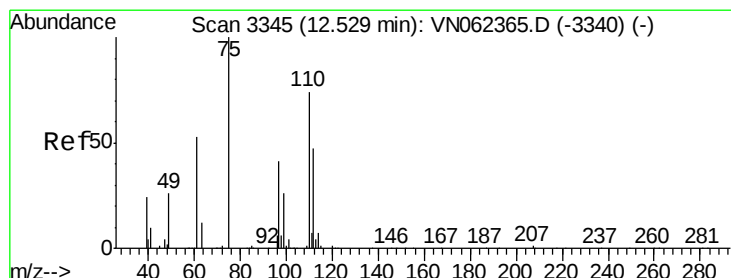
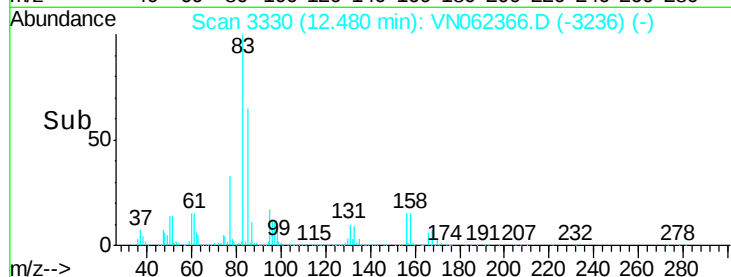
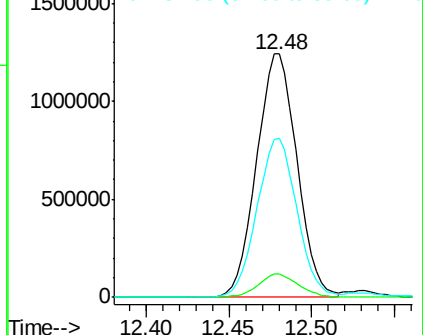
7/7/2020 10:08:42 AM



Abundance Ion 82.90 (82.60 to 83.60): VN062366.D (-3330) (-)

Ion 130.80 (130.50 to 131.50): VN062366.D (-3330) (-)

Ion 84.90 (84.60 to 85.60): VN062366.D (-3330) (-)



#76

1,2,3-Trichloropropane

Concen: 89.198 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062366.D

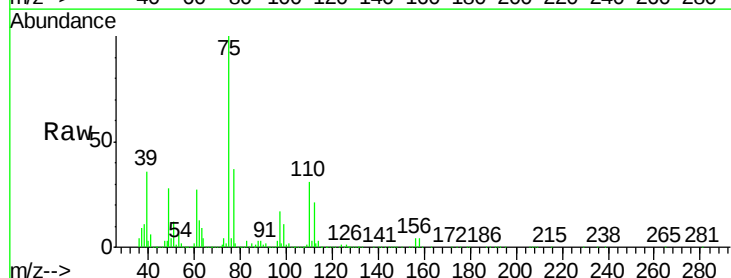
Acq: 6 Jul 2020 14:02

Tgt Ion: 75 Resp: 1942573

Ion Ratio Lower Upper

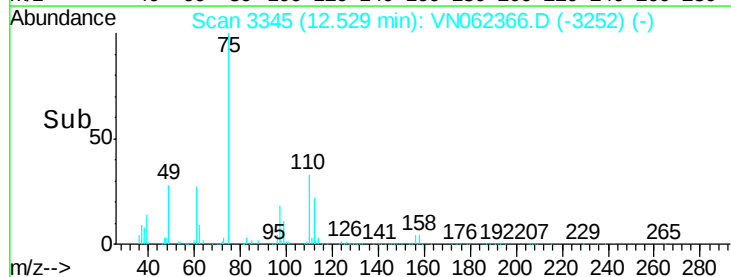
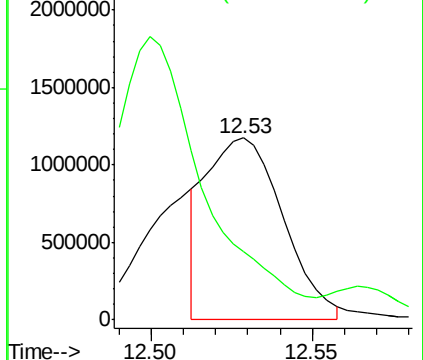
75 100

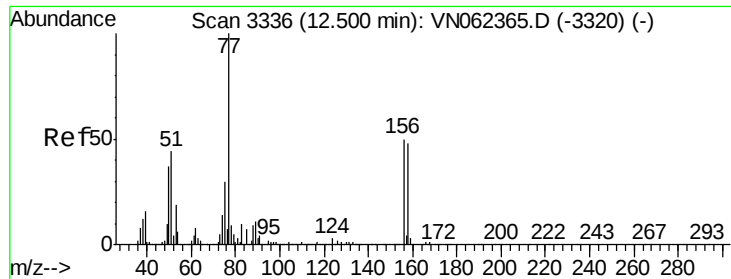
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062366.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN062366.D (-3345) (-)





#77

Bromobenzene

Concen: 88.862 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:156 Resp: 1563608

Ion Ratio Lower Upper

156 100

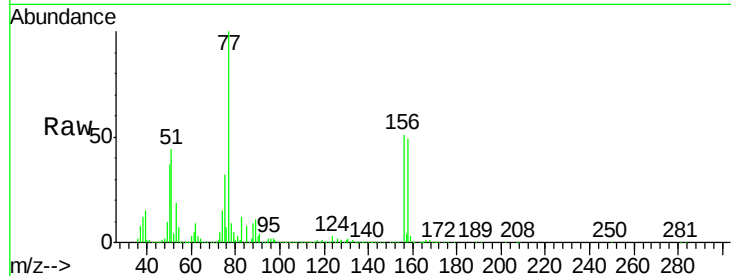
77 238.8 123.3 369.8

158 95.7 49.6 148.8

Manual Integrations
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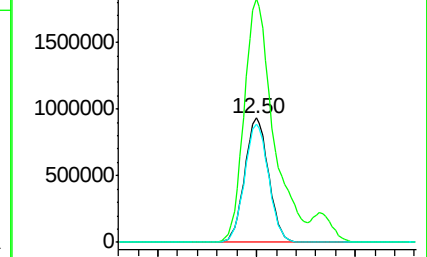
7/7/2020 10:08:42 AM



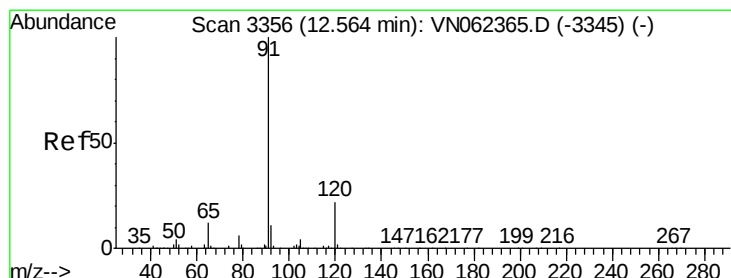
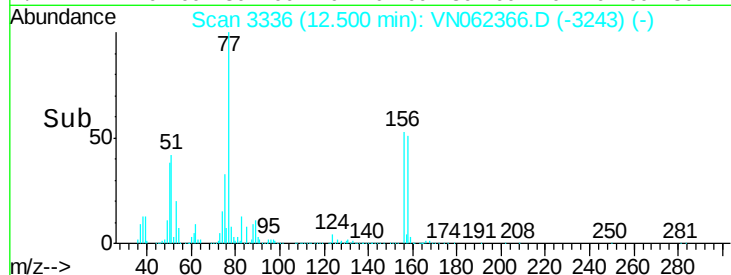
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 83.776 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062366.D

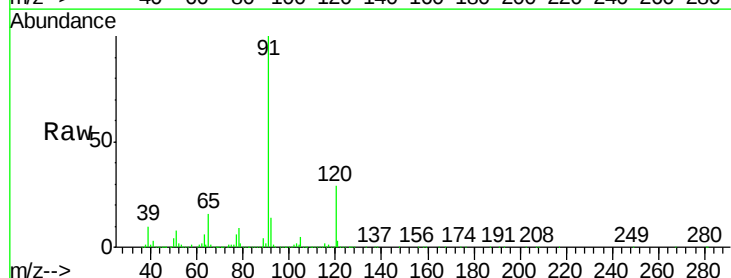
Acq: 6 Jul 2020 14:02

Tgt Ion: 91 Resp: 6854334

Ion Ratio Lower Upper

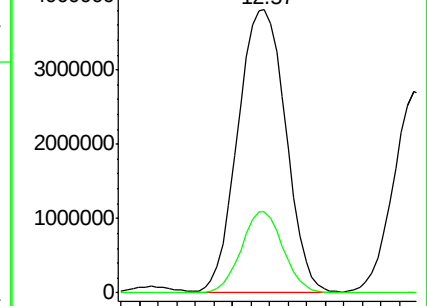
91 100

120 25.2 10.9 32.6

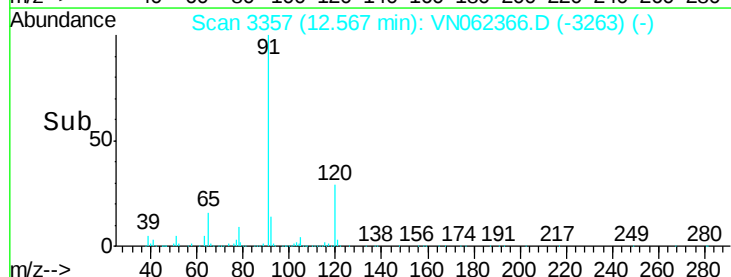


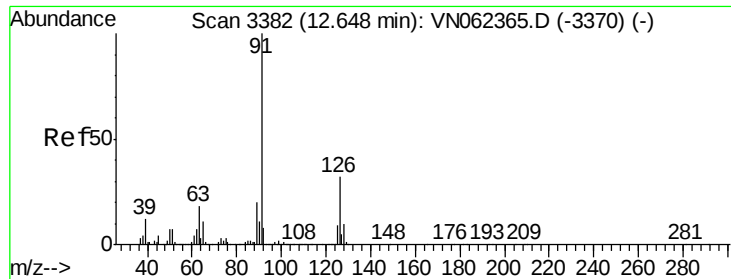
Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V



Time-->





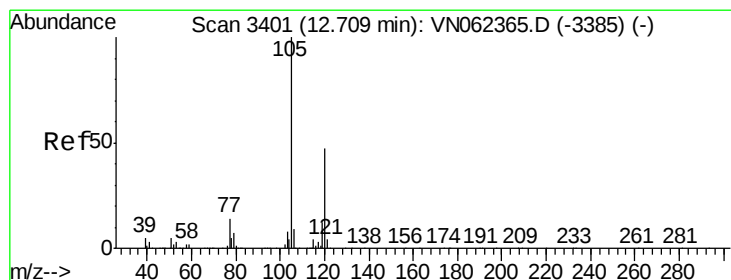
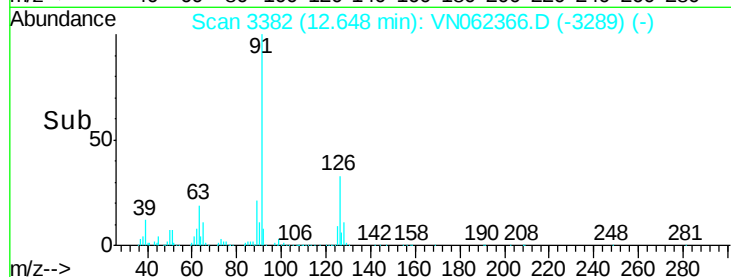
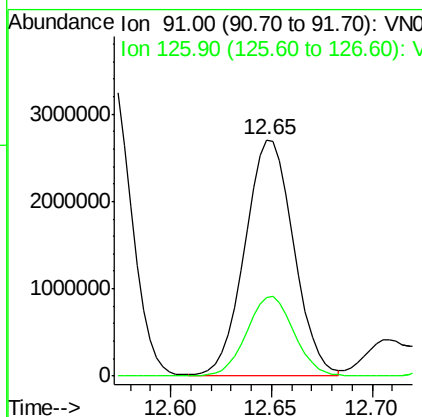
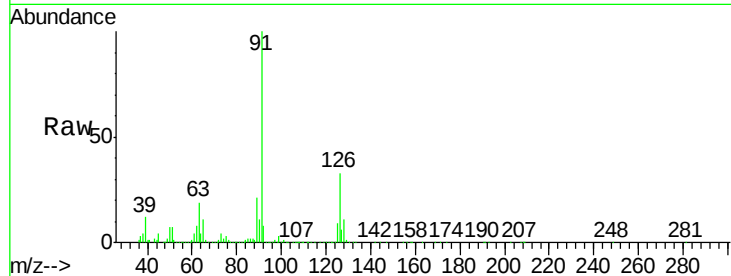
#79
 2-Chlorotoluene
 Concen: 92.145 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 4580901
 Ion Ratio Lower Upper
 91 100
 126 32.9 15.8 47.4

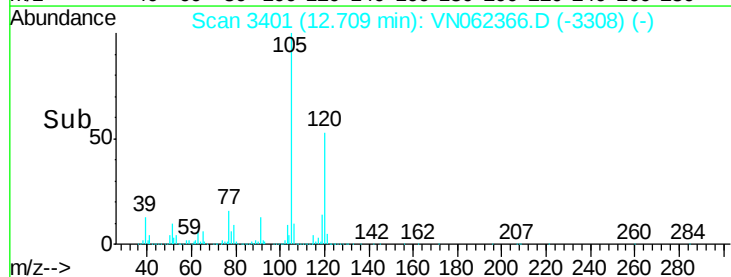
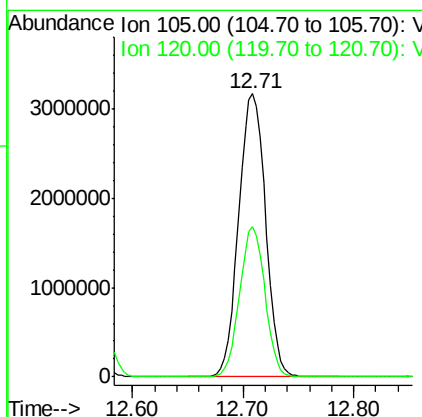
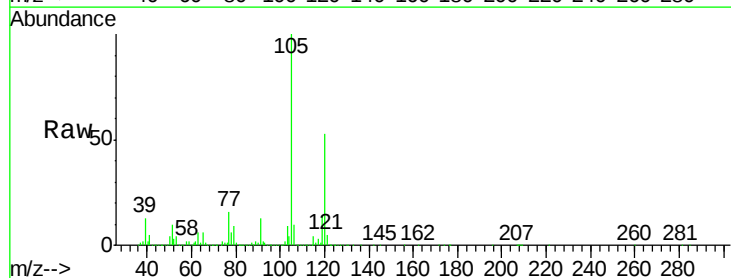
Manual Integrations
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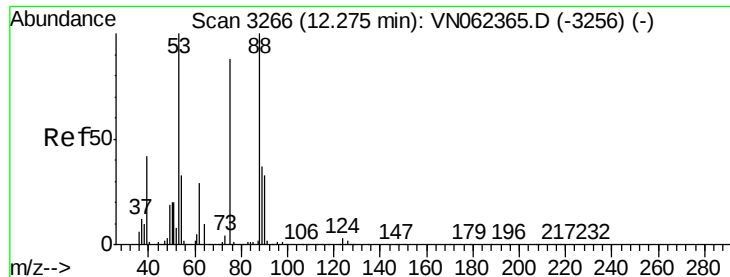
MMDadoda
 7/7/2020 10:08:42 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 91.805 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion: 105 Resp: 5335654
 Ion Ratio Lower Upper
 105 100
 120 50.0 23.2 69.6





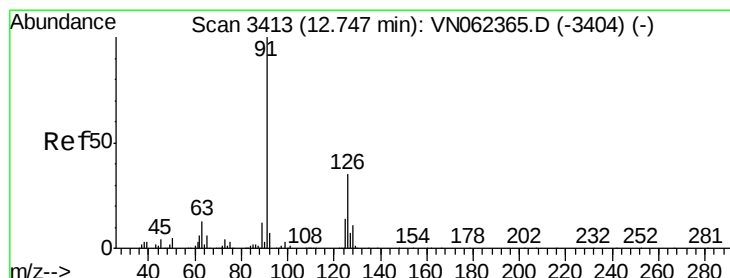
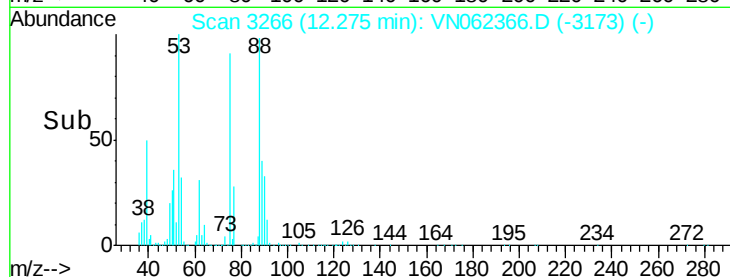
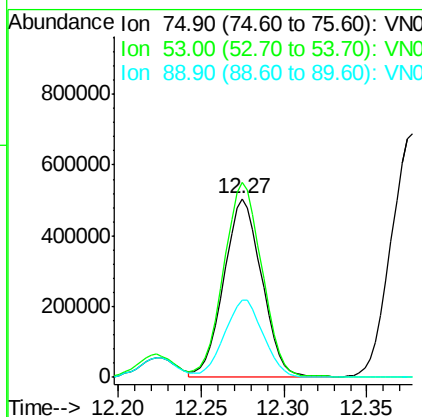
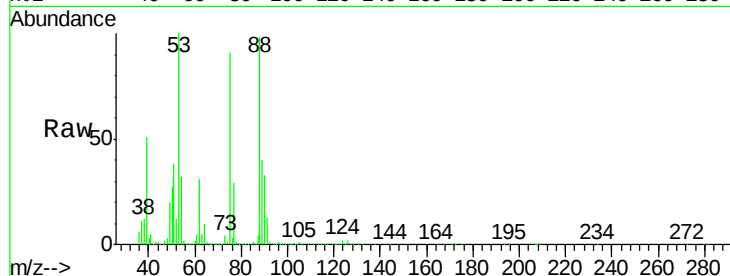
#81
trans-1,4-Dichloro-2-butene
Concen: 106.691 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.1	92.3	138.5
89	44.2	37.0	55.4

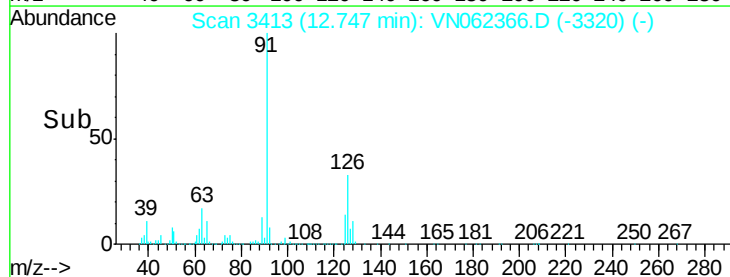
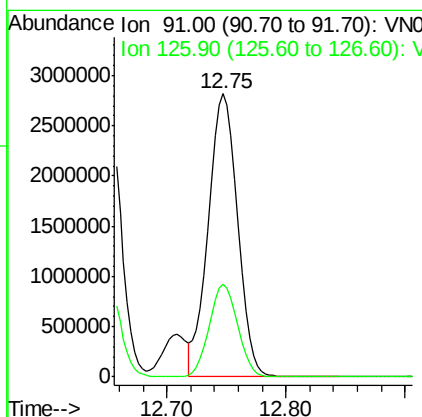
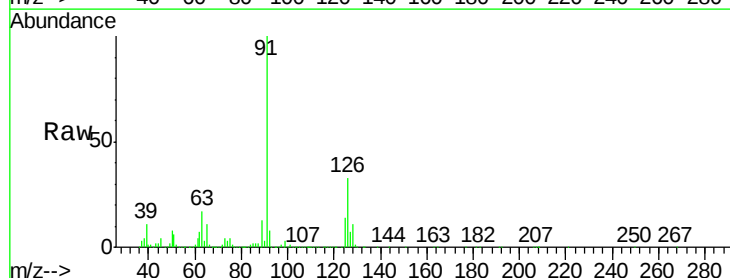
Manual Integrations
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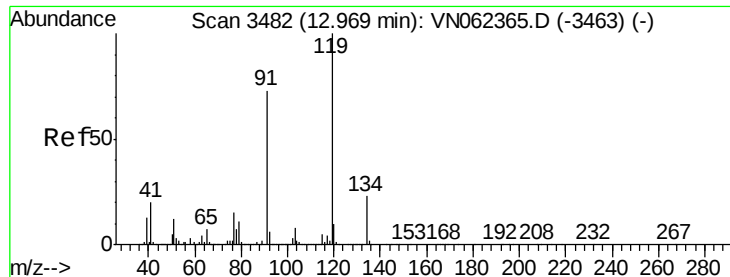
MMDadoda
7/7/2020 10:08:42 AM



#82
4-Chlorotoluene
Concen: 93.437 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.6	46.7





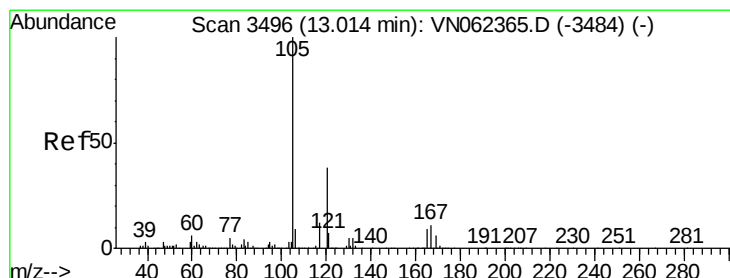
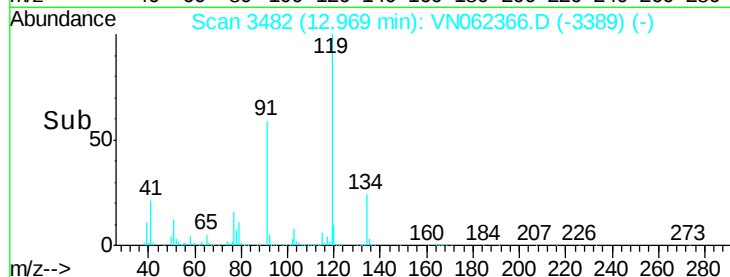
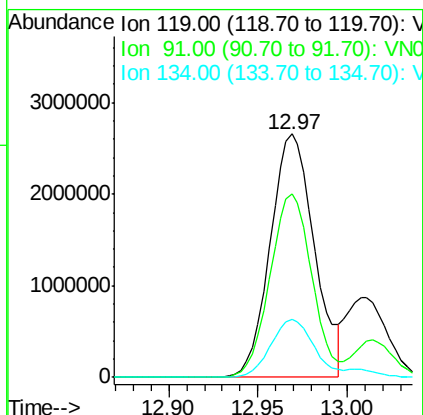
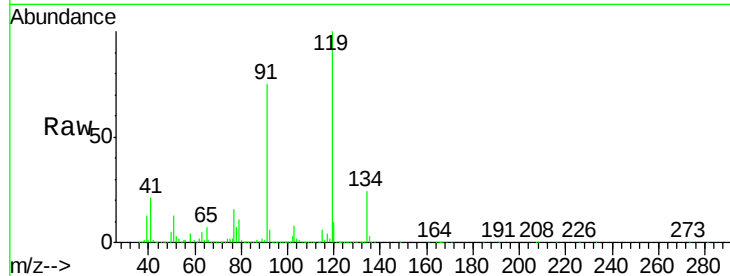
#83
tert-Butylbenzene
Concen: 92.814 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 4590741
Ion Ratio Lower Upper
119 100
91 72.1 36.4 109.1
134 23.4 11.7 35.0

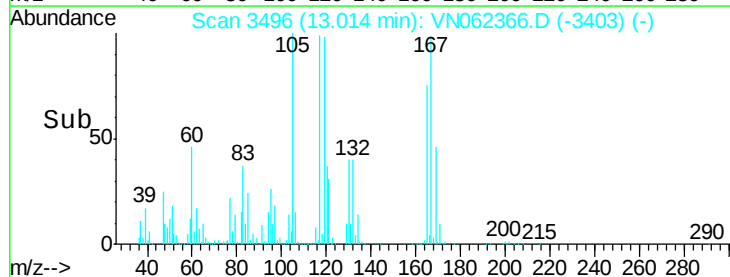
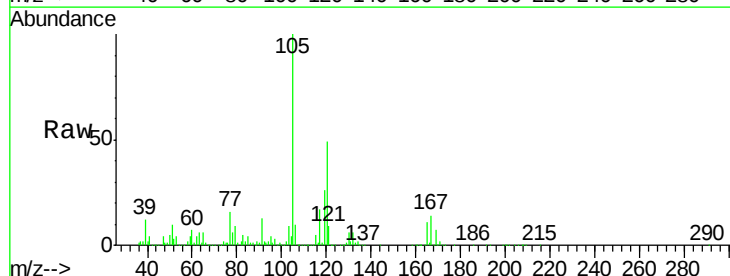
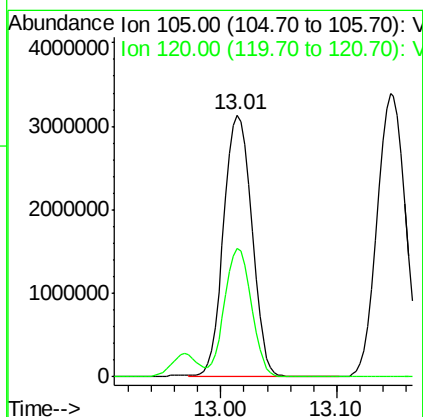
Manual Integrations
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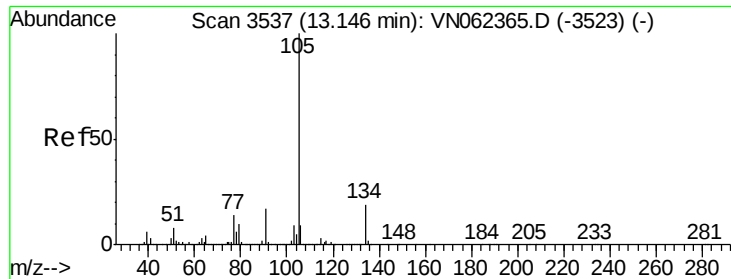
MMDadoda
7/7/2020 10:08:42 AM



#84
1,2,4-Trimethylbenzene
Concen: 91.224 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion:105 Resp: 5282605
Ion Ratio Lower Upper
105 100
120 47.0 22.1 66.3





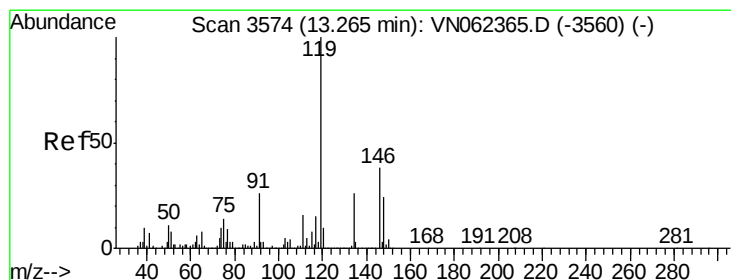
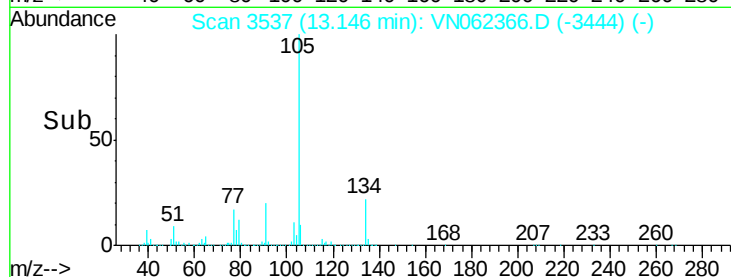
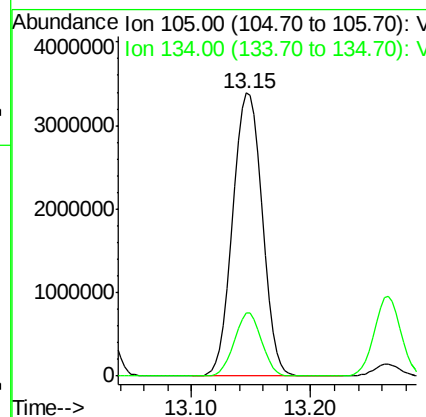
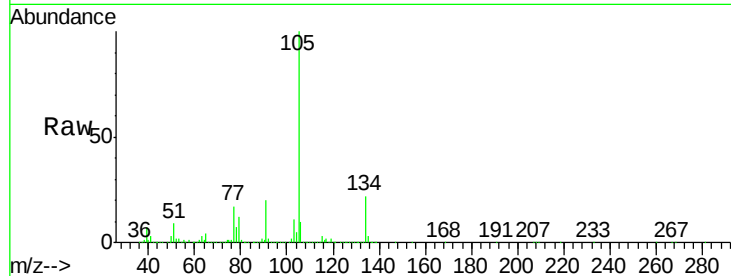
#85
 sec-Butylbenzene
 Concen: 88.857 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 5836659
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.4 28.2

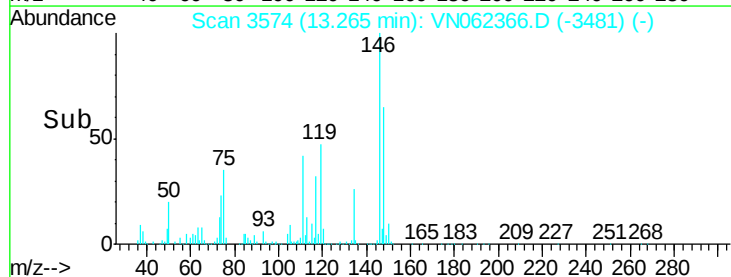
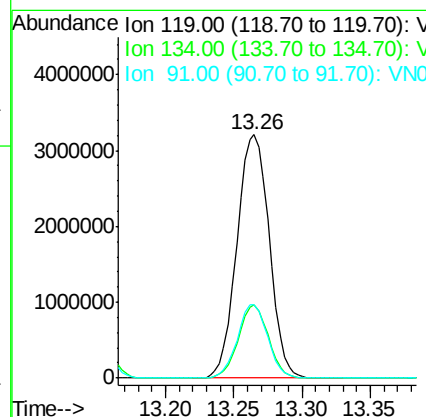
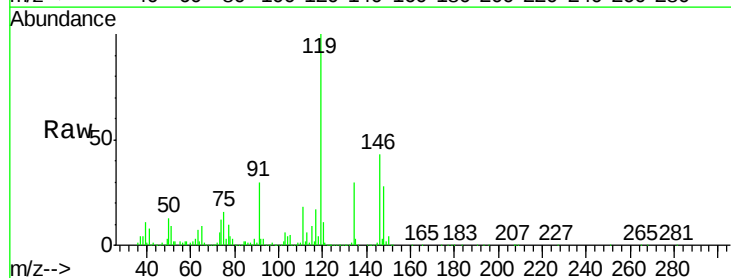
Manual Integrations
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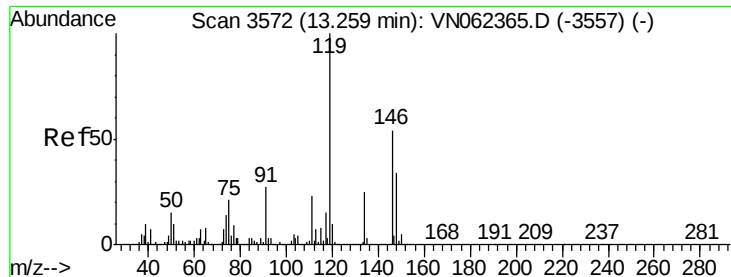
MMDadoda
 7/7/2020 10:08:42 AM



#86
 p-Isopropyltoluene
 Concen: 91.613 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion:119 Resp: 5260368
 Ion Ratio Lower Upper
 119 100
 134 28.1 12.7 38.1
 91 28.6 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 91.174 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 2825848

Ion Ratio Lower Upper

146 100

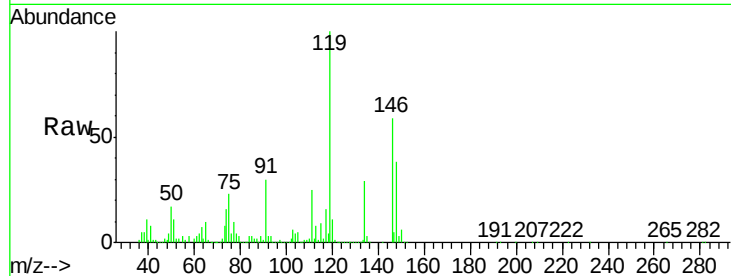
111 42.8 21.3 63.9

148 64.7 31.6 95.0

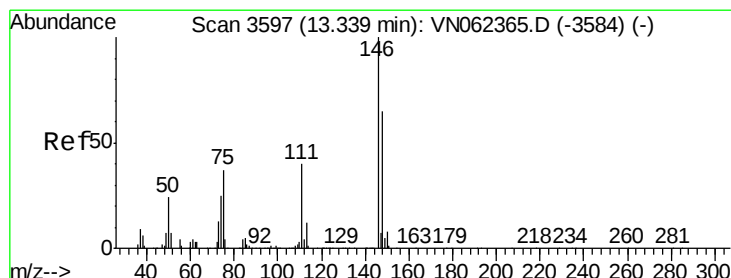
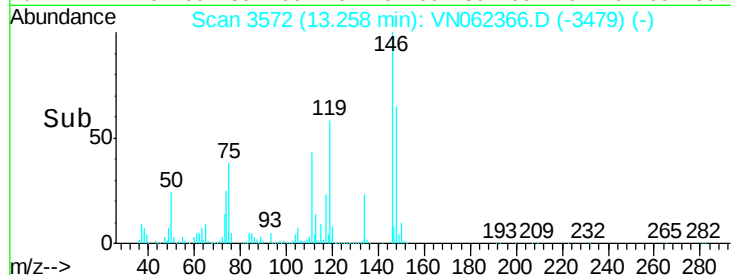
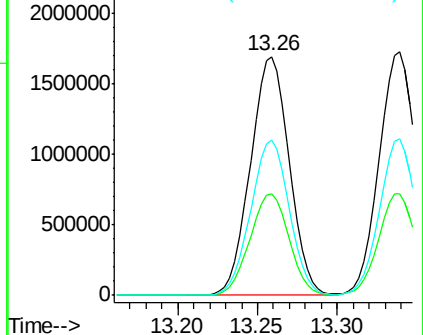
Manual Integrations
APPROVED

MMDadoda

7/7/2020 10:08:42 AM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 88.648 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

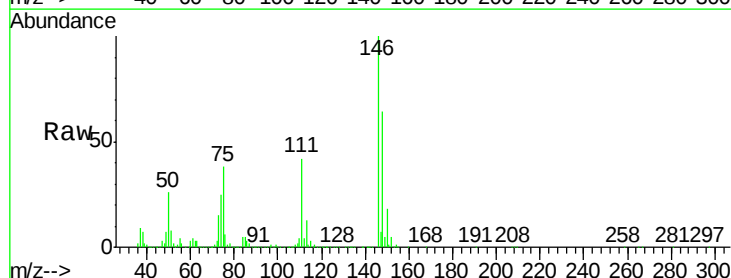
Tgt Ion:146 Resp: 2835830

Ion Ratio Lower Upper

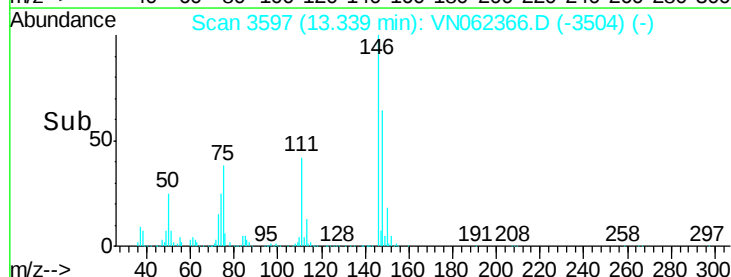
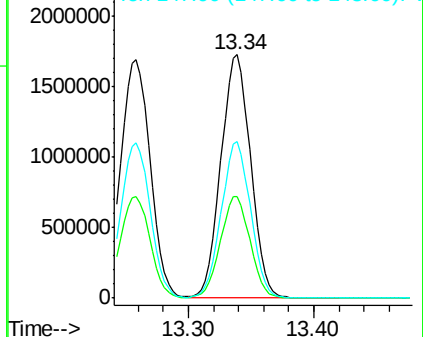
146 100

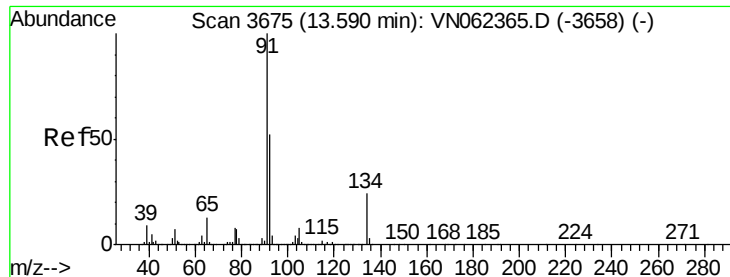
111 41.8 20.6 61.8

148 63.5 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





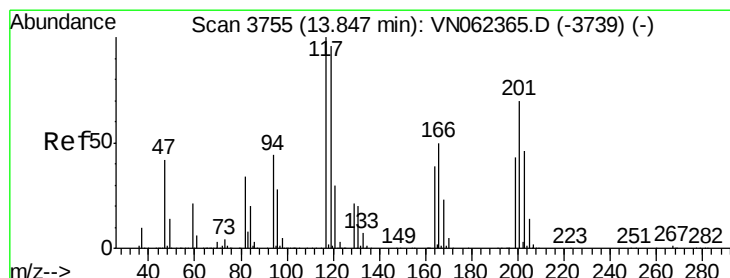
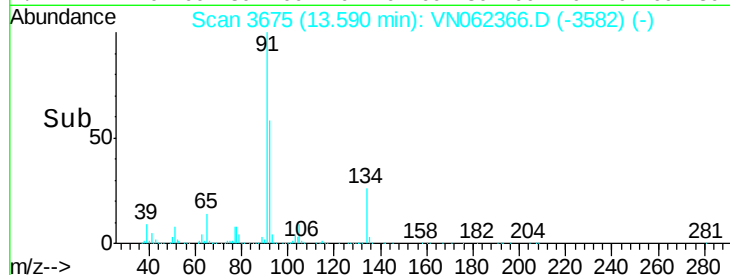
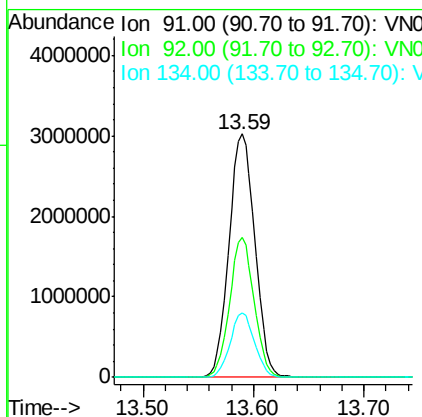
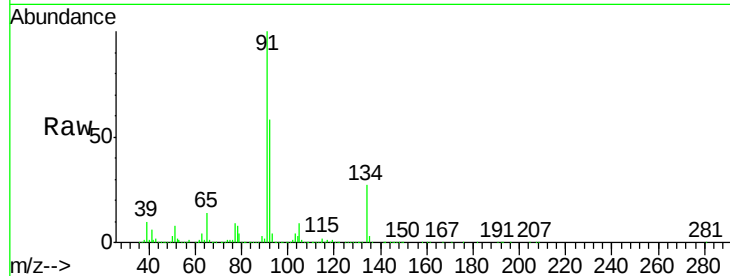
#89
n-Butylbenzene
Concen: 102.512 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 91 Resp: 4929694
Ion Ratio Lower Upper
91 100
92 54.2 25.7 77.1
134 24.9 11.7 35.1

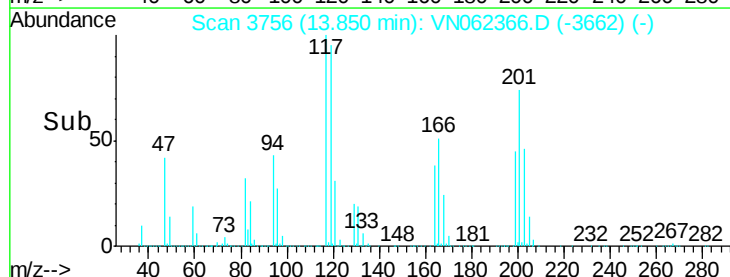
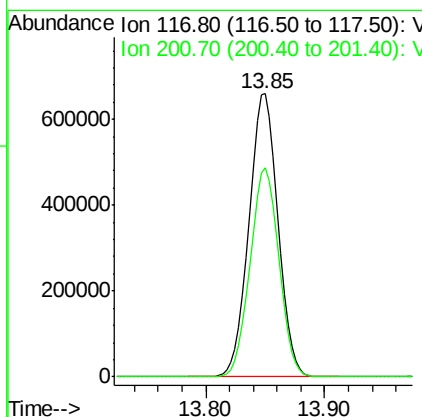
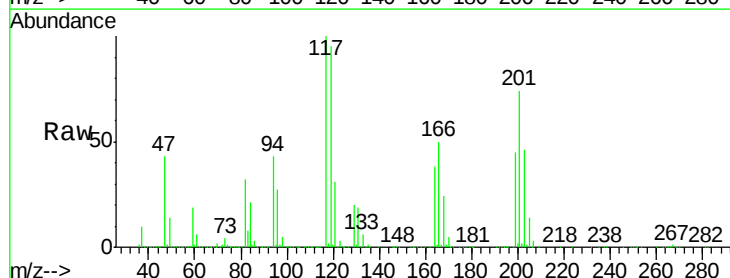
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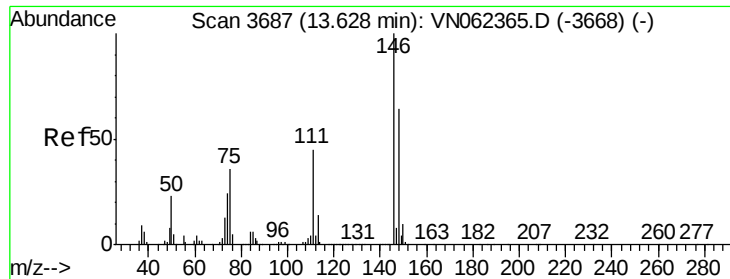
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#90
Hexachloroethane
Concen: 97.538 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 117 Resp: 1114693
Ion Ratio Lower Upper
117 100
201 73.4 35.4 106.2





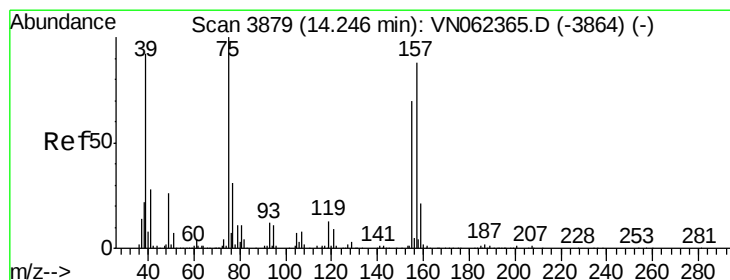
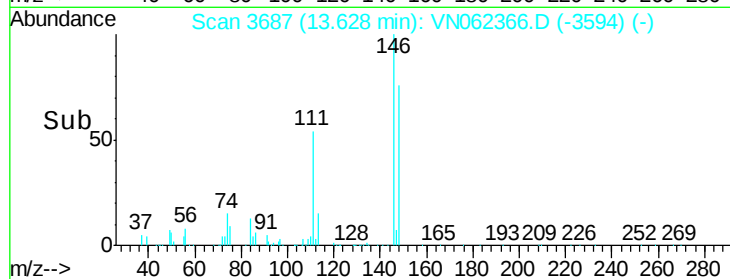
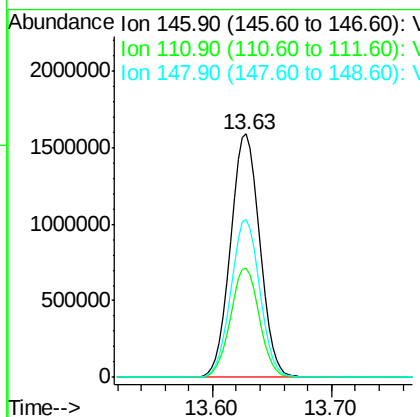
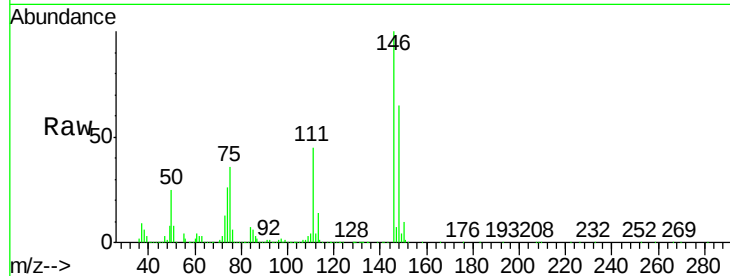
#91
 1,2-Dichlorobenzene
 Concen: 90.090 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.3	66.9
148	64.2	32.4	97.0

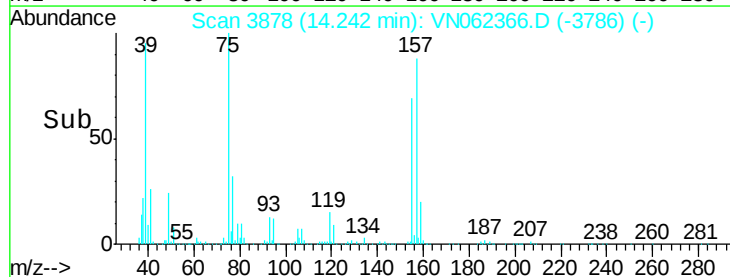
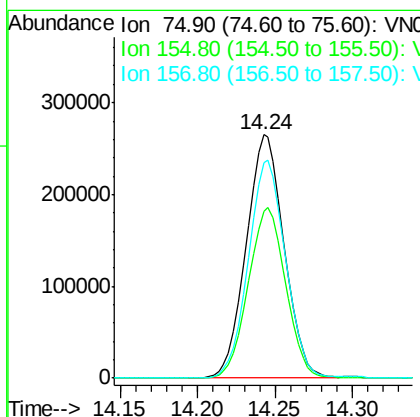
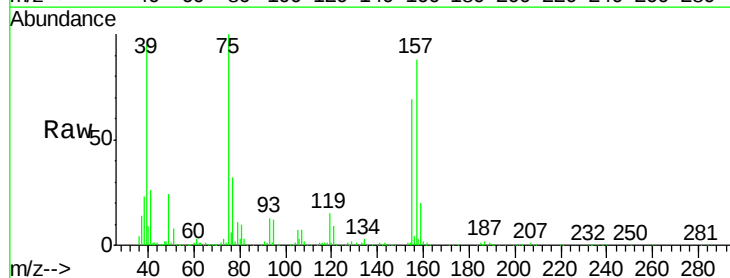
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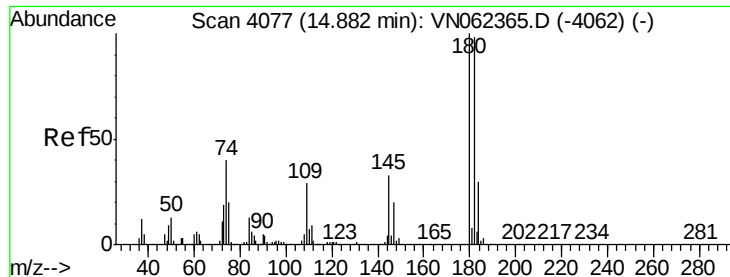
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 113.708 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.5	34.1	102.2
157	88.2	43.3	129.8





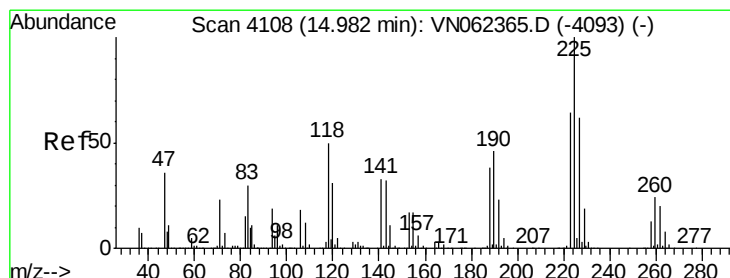
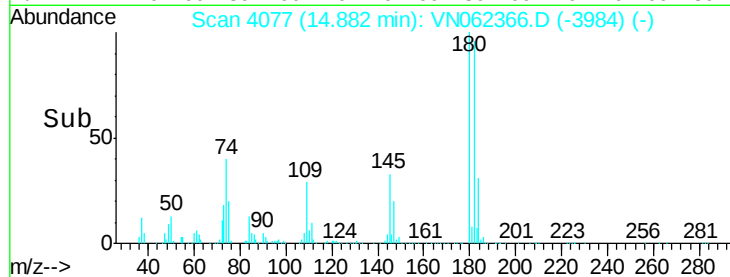
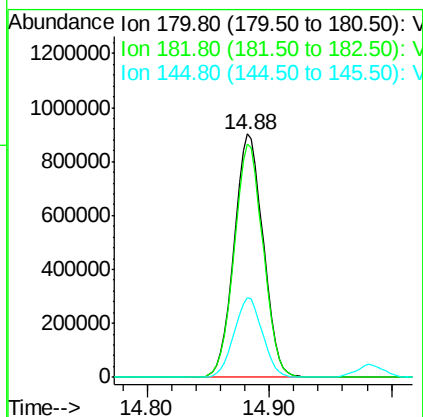
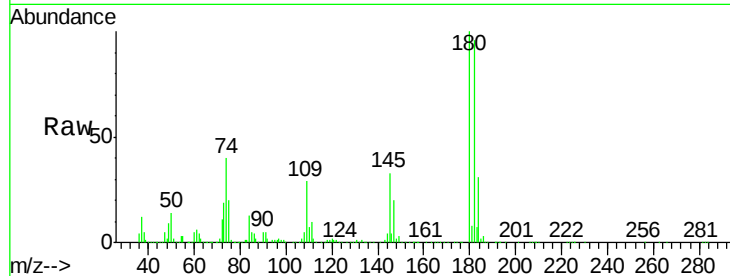
#93
 1,2,4-Trichlorobenzene
 Concen: 111.999 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	32.2	15.9	47.7

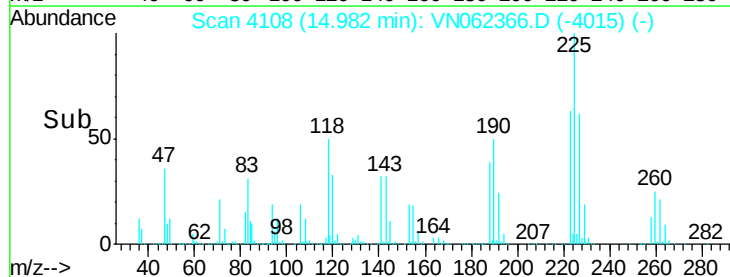
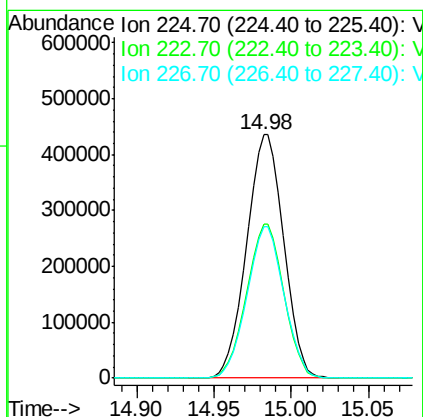
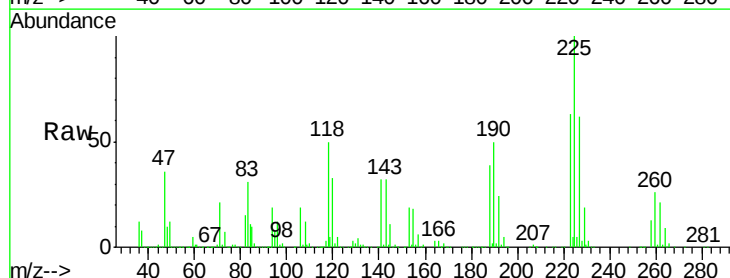
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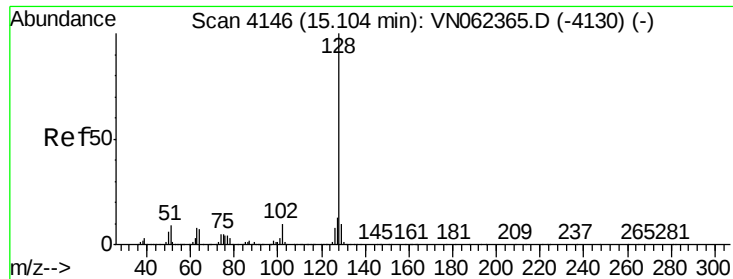
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#94
 Hexachlorobutadiene
 Concen: 119.330 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.7	95.1
227	62.0	30.3	90.8





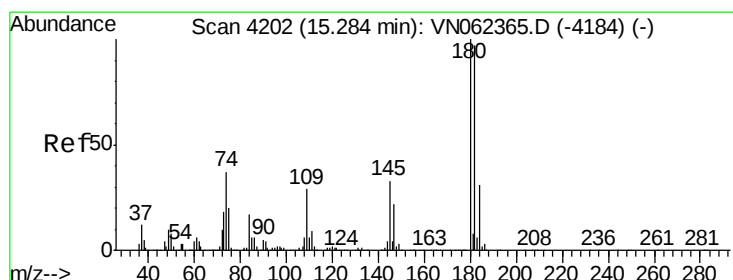
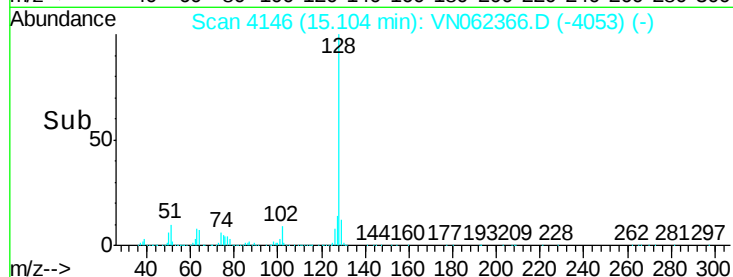
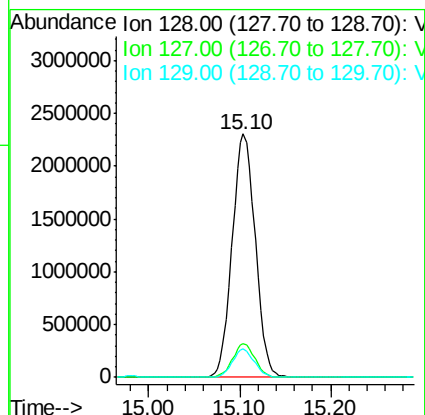
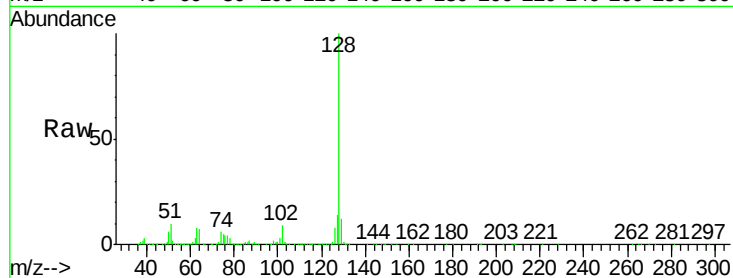
#95
Naphthalene
Concen: 106.866 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 4072130
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 11.1 8.6 12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 107.365 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion:180 Resp: 1454156
Ion Ratio Lower Upper
180 100
182 96.4 47.9 143.7
145 34.1 16.4 49.2

