

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062367.D
 Acq On : 6 Jul 2020 14:26
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 10:08:46 AM

Quant Time: Jul 07 05:00:20 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	1132739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1916907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1826059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	944732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	2860522	166.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	333.78%	
35) Dibromofluoromethane	7.55	113	1898807	149.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.18%	
50) Toluene-d8	10.06	98	6637526	131.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	263.24%	
62) 4-Bromofluorobenzene	12.38	95	2882953	165.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	331.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	1809643	140.178	ug/l	98
3) Chloromethane	2.04	50	2607542	150.744	ug/l	98
4) Vinyl Chloride	2.16	62	2167644	110.417	ug/l	99
5) Bromomethane	2.50	94	1161490	94.485	ug/l	98
6) Chloroethane	2.65	64	1287905m	98.250	ug/l	
7) Trichlorofluoromethane	2.97	101	2925775	116.797	ug/l	99
8) Diethyl Ether	3.37	74	1201063	137.734	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	1679199	129.349	ug/l	99
10) Methyl Iodide	3.91	142	2330323	157.287	ug/l	98
11) Tert butyl alcohol	4.74	59	2169427	890.737	ug/l	100
12) 1,1-Dichloroethene	3.69	96	1622995	125.970	ug/l	99
13) Acrolein	3.56	56	926221	453.047	ug/l	97
14) Allyl chloride	4.27	41	4311131	220.052	ug/l	97
15) Acrylonitrile	4.93	53	5751721	883.045	ug/l	99
16) Acetone	3.77	43	6282287	991.861	ug/l	97
17) Carbon Disulfide	4.00	76	5092904	123.782	ug/l	99
18) Methyl Acetate	4.28	43	2818354	201.878	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	6621455	156.055	ug/l	100
20) Methylene Chloride	4.50	84	2043158	127.857	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	1835936	125.661	ug/l	99
22) Diisopropyl ether	5.90	45	8338897	190.965	ug/l	97
23) Vinyl Acetate	5.84	43	23723868	667.471	ug/l #	74
24) 1,1-Dichloroethane	5.80	63	4039440	151.686	ug/l	100
25) 2-Butanone	6.79	43	8673326	1013.058	ug/l	95
26) 2,2-Dichloropropane	6.77	77	3307366	150.250	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	2128245	128.815	ug/l	99
28) Bromochloromethane	7.15	49	2303808	188.041	ug/l	100
29) Tetrahydrofuran	7.17	42	5813192	1039.336	ug/l	99
30) Chloroform	7.33	83	3808014	142.327	ug/l	97
31) Cyclohexane	7.61	56	3608345	157.800	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	3317697	147.105	ug/l	99
36) 1,1-Dichloropropene	7.75	75	2904594	148.692	ug/l	99
37) Ethyl Acetate	6.88	43	3682964	209.399	ug/l	99
38) Carbon Tetrachloride	7.73	117	2912062	156.360	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	3201703	150.399	ug/l	96
40) Benzene	8.00	78	7811002	132.413	ug/l	93
41) Methacrylonitrile	7.13	41	1880189	235.601	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	3534207	169.802	ug/l	99
43) Isopropyl Acetate	8.13	43	6065751	211.080	ug/l #	91
44) Trichloroethene	8.80	130	1927482	130.827	ug/l	97
45) 1,2-Dichloropropane	9.08	63	2406824	160.877	ug/l	98
46) Dibromomethane	9.17	93	1475241	148.155	ug/l	98
47) Bromodichloromethane	9.37	83	3176845	156.687	ug/l	96
48) Methyl methacrylate	9.17	41	3162170	239.498	ug/l	99
49) 1,4-Dioxane	9.17	88	818060	3146.141	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	11374649	683.469	ug/l #	70
52) Toluene	10.12	92	5006495	140.165	ug/l	85
53) t-1,3-Dichloropropene	10.35	75	3674377	164.219	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	3811185	161.083	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	2017962	143.759	ug/l	99
56) Ethyl methacrylate	10.40	69	3560461	183.211	ug/l	99
57) 1,3-Dichloropropane	10.68	76	3663673	149.054	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	6294419	861.826	ug/l	95
59) 2-Hexanone	10.72	43	9629277	792.762	ug/l	76
60) Dibromochloromethane	10.88	129	2376663	157.441	ug/l	99
61) 1,2-Dibromoethane	10.98	107	2126209	147.133	ug/l	98
64) Tetrachloroethene	10.60	164	1617719	130.617	ug/l	99
65) Chlorobenzene	11.41	112	5124913	128.282	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.48	131	2067138	148.208	ug/l	99
67) Ethyl Benzene	11.48	91	7998654	117.590	ug/l #	72
68) m/p-Xylenes	11.60	106	6938938	266.472	ug/l #	67
69) o-Xylene	11.92	106	3581982	145.872	ug/l	80
70) Styrene	11.94	104	5881629	143.321	ug/l	95
71) Bromoform	12.10	173	1716276	170.564	ug/l #	100
73) Isopropylbenzene	12.22	105	7832144	107.380	ug/l	86
74) N-amyl acetate	12.05	43	5470832	207.036	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	3145545	128.605	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	2931440m	131.589	ug/l	
77) Bromobenzene	12.50	156	2348888	130.500	ug/l	94
78) n-propylbenzene	12.57	91	8610635	102.884	ug/l	82
79) 2-Chlorotoluene	12.65	91	6373015	125.322	ug/l	94
80) 1,3,5-Trimethylbenzene	12.71	105	7088638	119.234	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.27	75	1250071	162.284	ug/l	95
82) 4-Chlorotoluene	12.75	91	6657970	126.608	ug/l	94
83) tert-Butylbenzene	12.97	119	6353371	125.573	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	7117484	120.157	ug/l	88
85) sec-Butylbenzene	13.15	105	7629003	113.542	ug/l	89
86) p-Isopropyltoluene	13.26	119	7017560	119.478	ug/l	88
87) 1,3-Dichlorobenzene	13.26	146	4156317	131.096	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	4189205	128.021	ug/l	98
89) n-Butylbenzene	13.59	91	6759275	137.409	ug/l	88
90) Hexachloroethane	13.85	117	1704939	145.844	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	4010370	130.387	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	715159	176.556	ug/l	97

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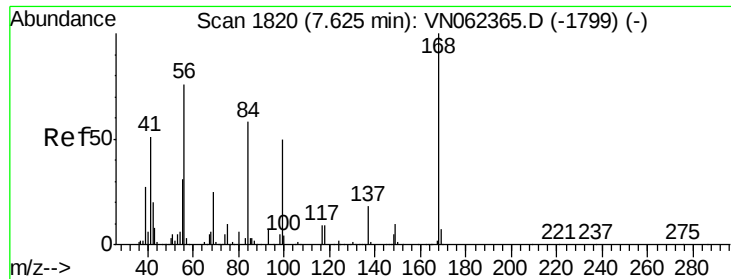
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	2400281	176.695	ug/l	99
94) Hexachlorobutadiene	14.98	225	1109215	177.748	ug/l	98
95) Naphthalene	15.10	128	6217021	159.501	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	2329250	168.124	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 1132739

Ion Ratio Lower Upper

168 100

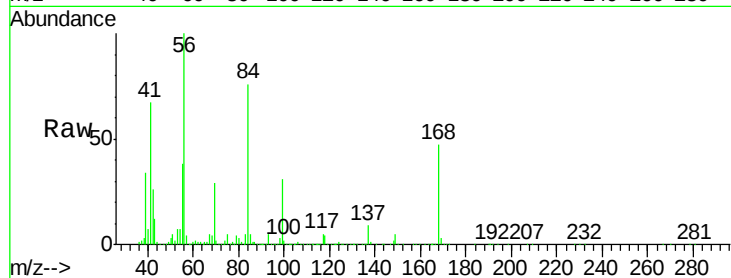
99 64.8 52.9 79.3

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

800000

600000

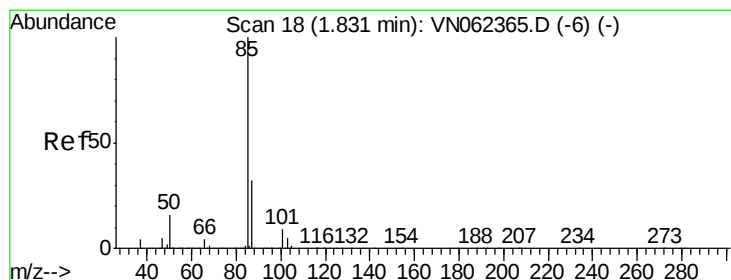
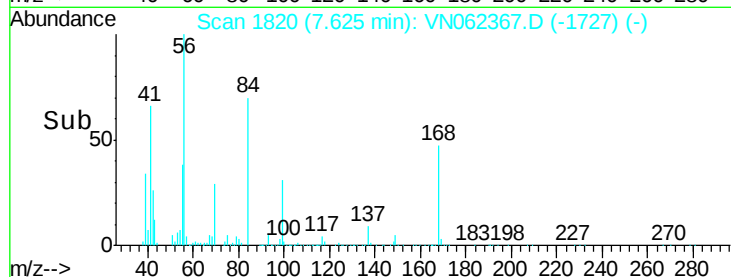
400000

200000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 140.178 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062367.D

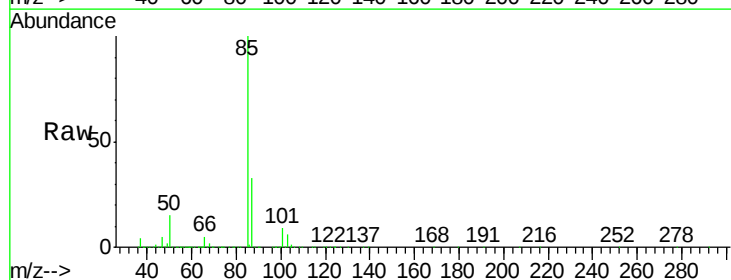
Acq: 6 Jul 2020 14:26

Tgt Ion: 85 Resp: 1809643

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

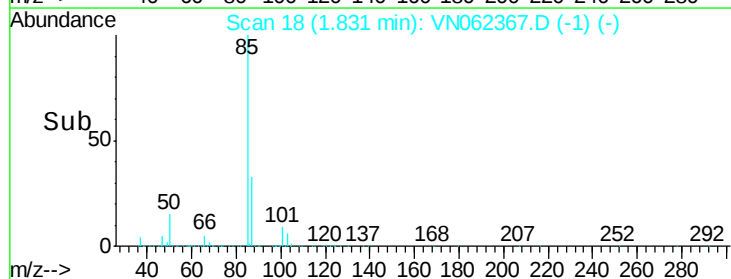
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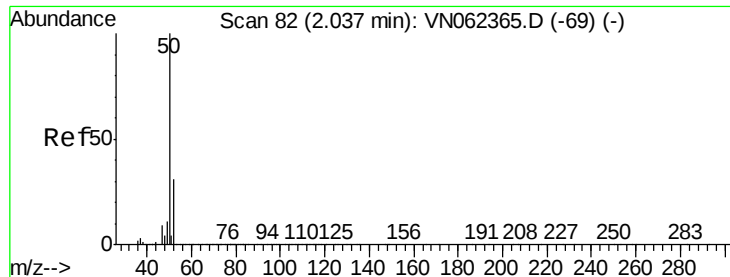
500000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 150.744 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 2607542

Ion Ratio Lower Upper

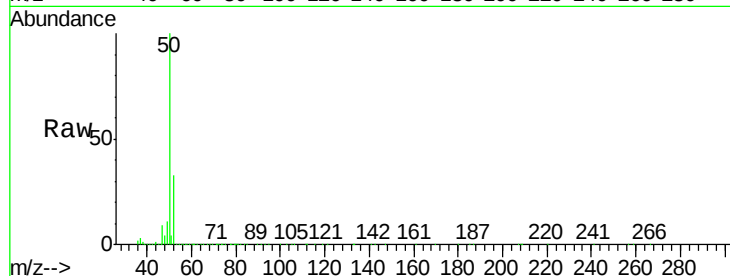
50 100

52 32.7 25.0 37.6

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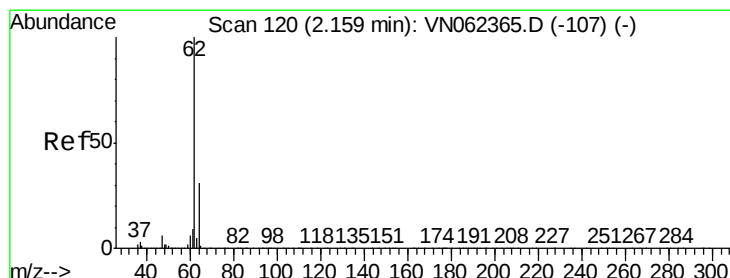
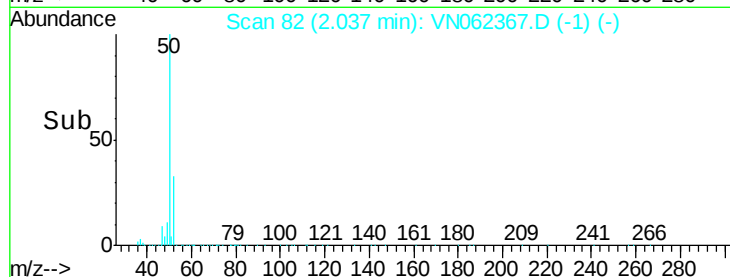
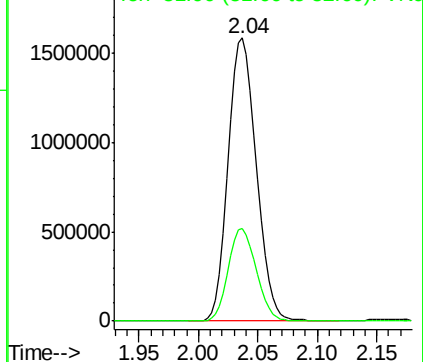
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 110.417 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062367.D

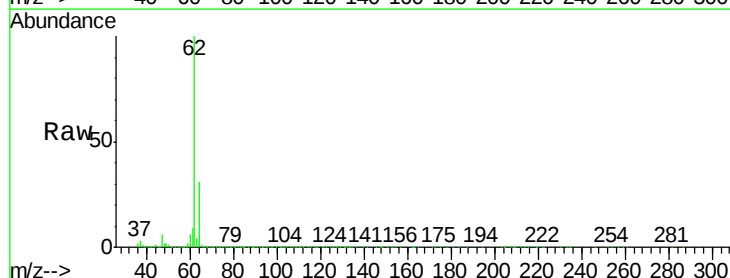
Acq: 6 Jul 2020 14:26

Tgt Ion: 62 Resp: 2167644

Ion Ratio Lower Upper

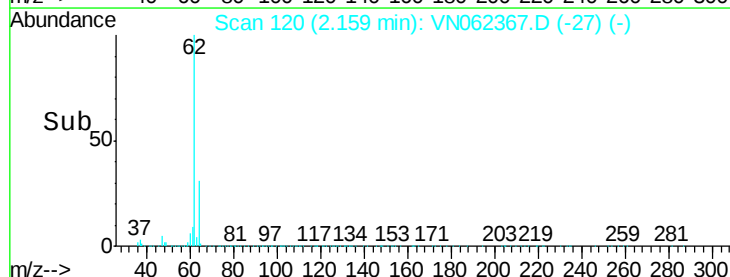
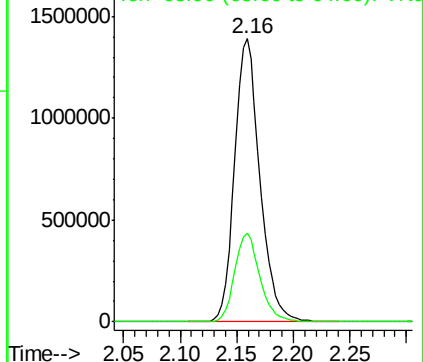
62 100

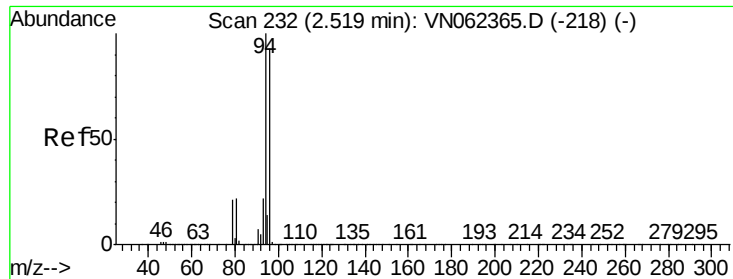
64 31.4 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 94.485 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.02 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 1161490

Ion Ratio Lower Upper

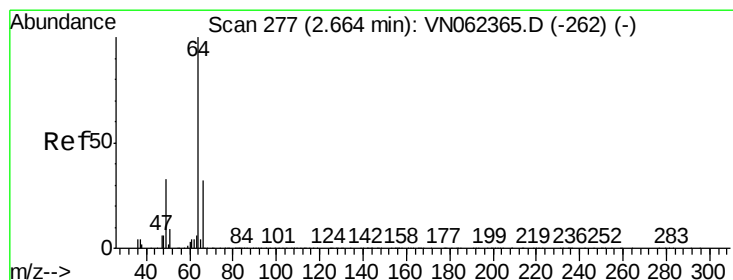
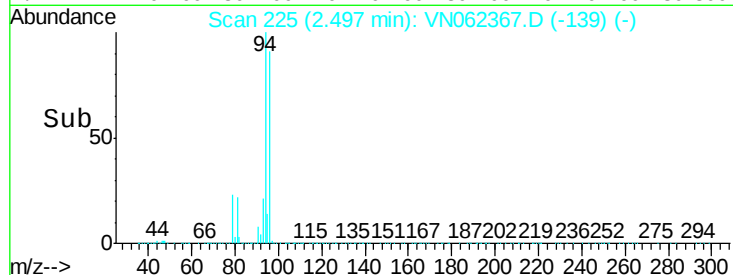
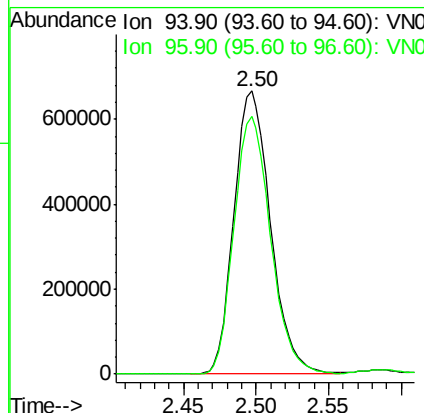
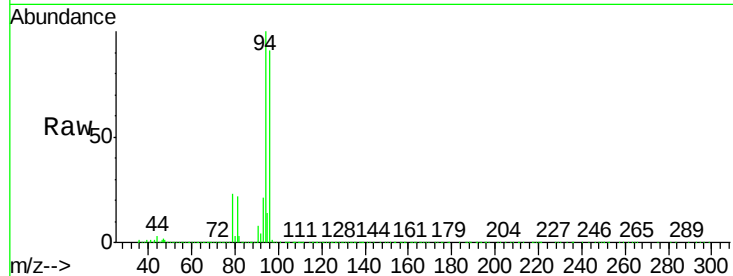
94 100

96 91.3 74.7 112.1

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#6

Chloroethane

Concen: 98.250 ug/l m

RT: 2.65 min Scan# 272

Delta R.T. -0.02 min

Lab File: VN062367.D

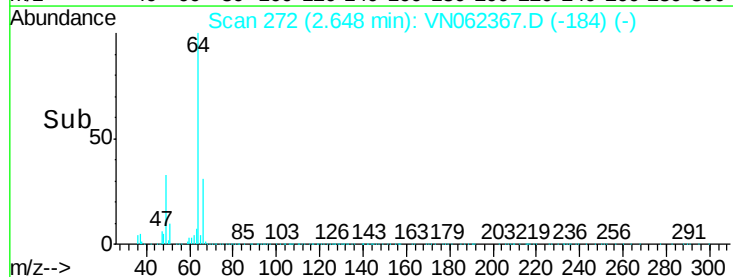
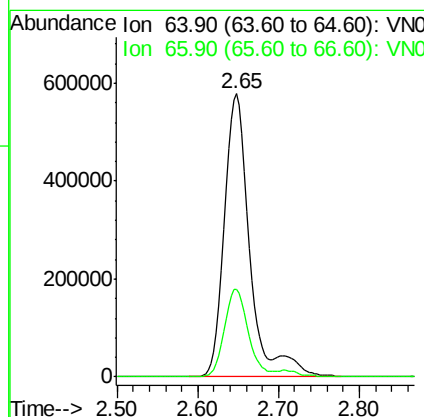
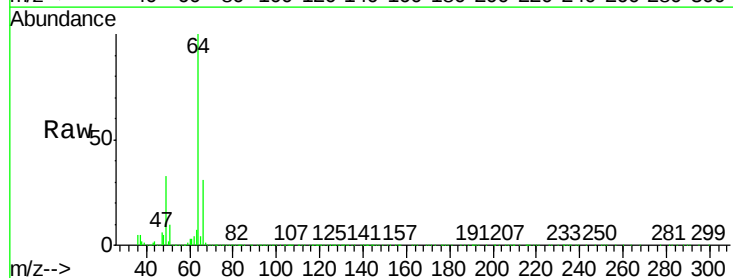
Acq: 6 Jul 2020 14:26

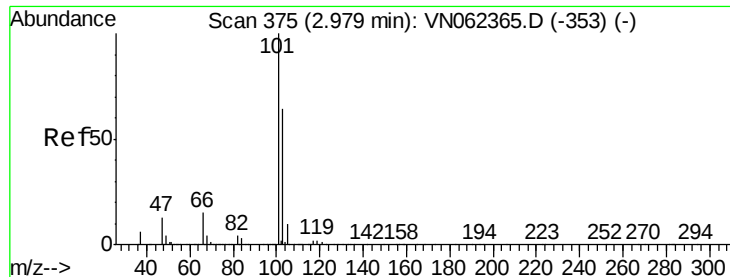
Tgt Ion: 64 Resp: 1287905

Ion Ratio Lower Upper

64 100

66 31.1 25.7 38.5





#7

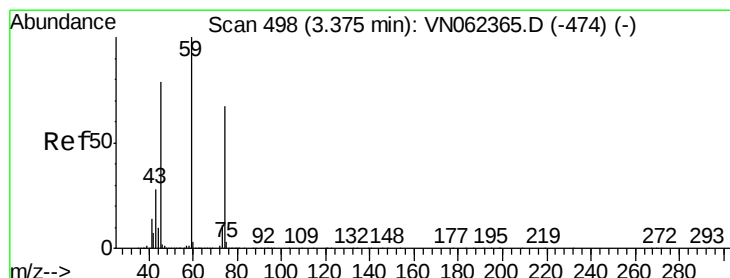
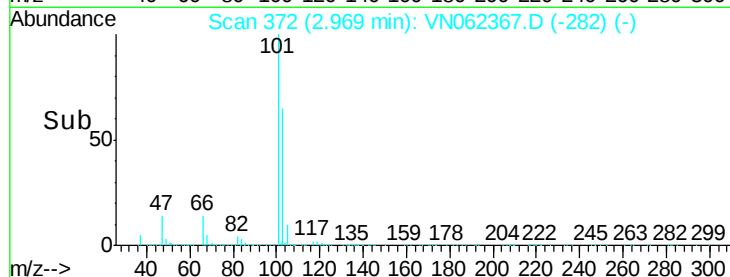
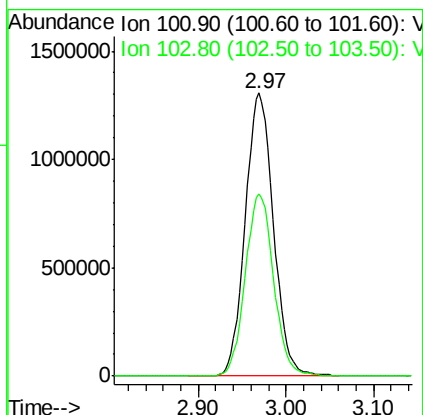
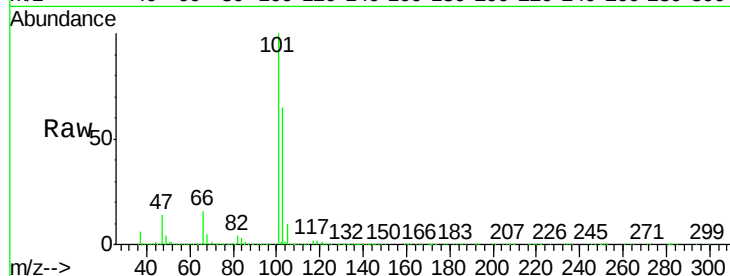
Trichlorofluoromethane
Concen: 116.797 ug/l
RT: 2.97 min Scan# 372
Delta R.T. -0.01 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

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MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:101 Resp: 2925775
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.6

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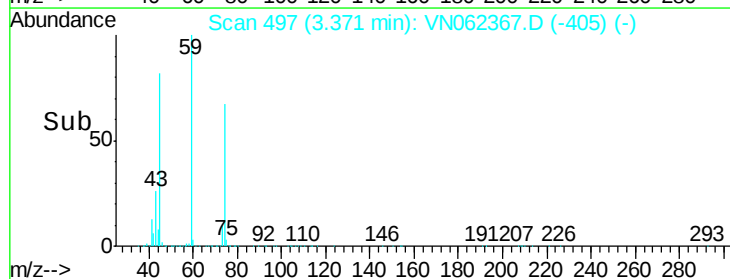
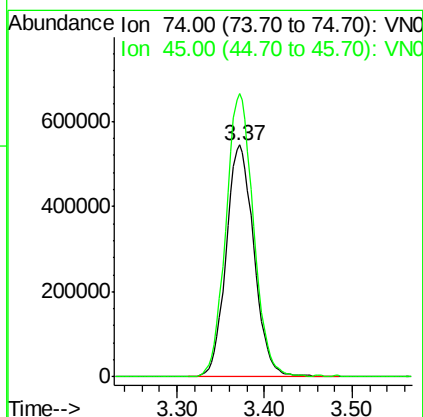
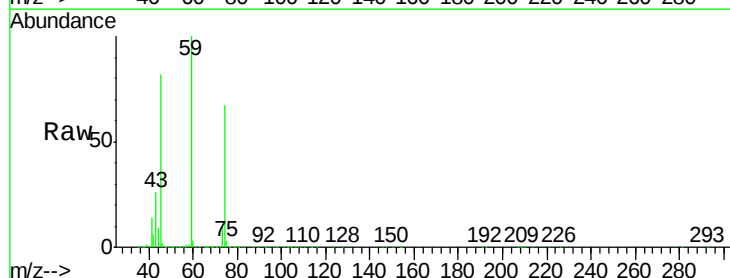
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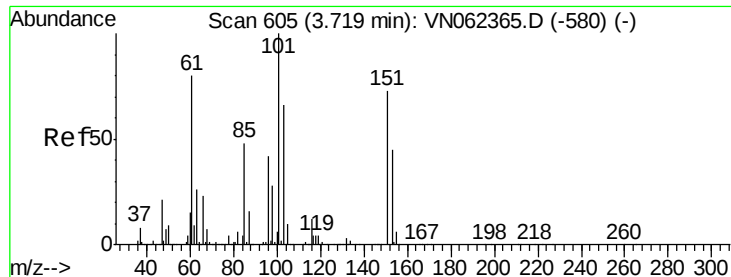


#8

Diethyl Ether
Concen: 137.734 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion: 74 Resp: 1201063
Ion Ratio Lower Upper
74 100
45 121.3 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 129.349 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:101 Resp: 1679199

Ion Ratio Lower Upper

101 100

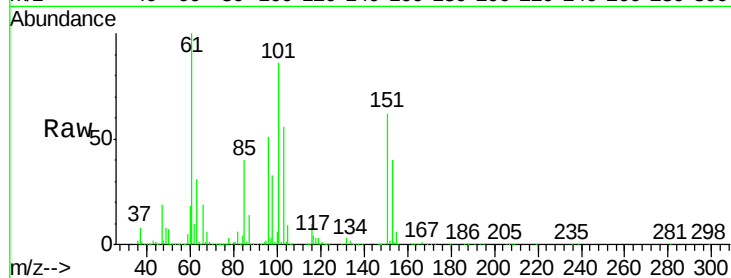
85 47.8 38.6 57.8

151 71.9 58.3 87.5

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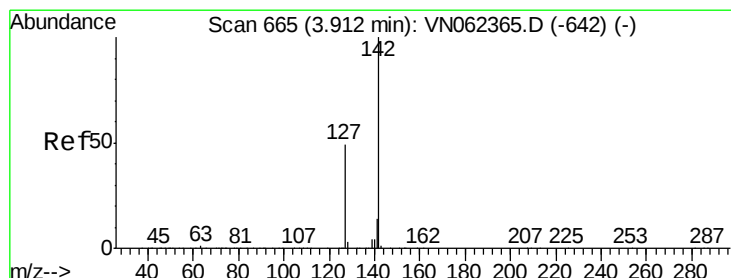
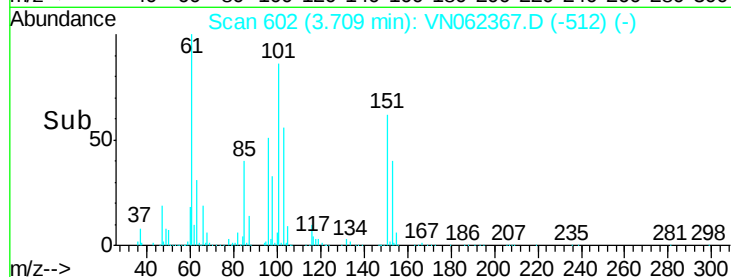
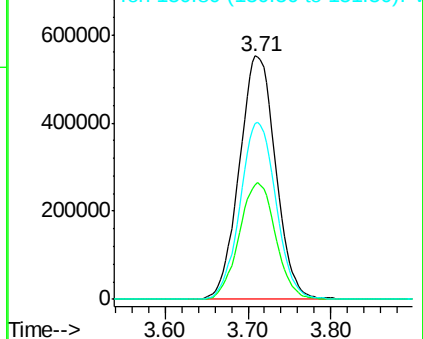
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 157.287 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.01 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

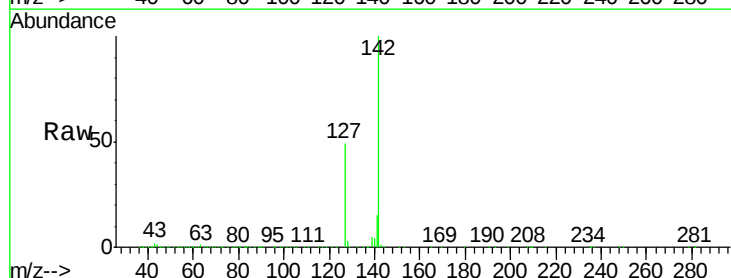
Tgt Ion:142 Resp: 2330323

Ion Ratio Lower Upper

142 100

127 49.3 41.0 61.6

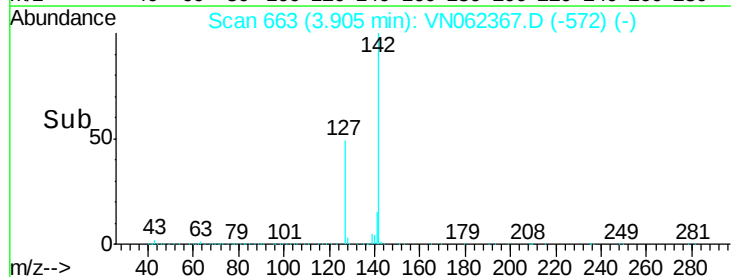
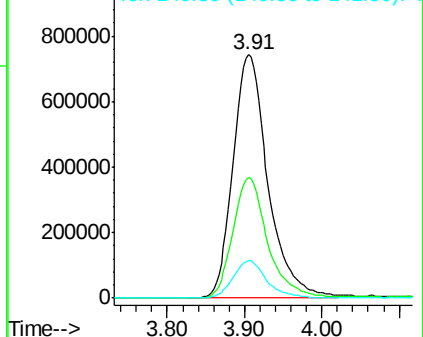
141 14.9 11.8 17.8

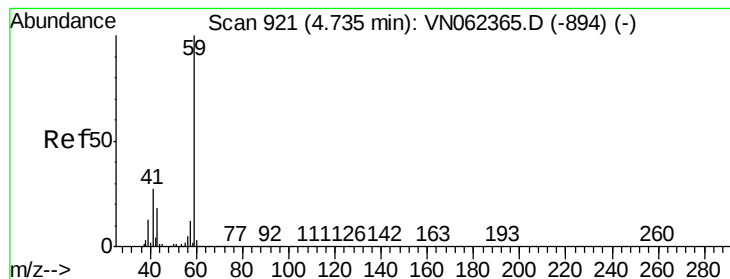


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

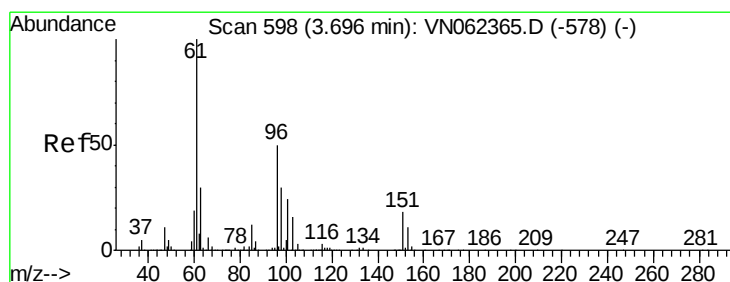
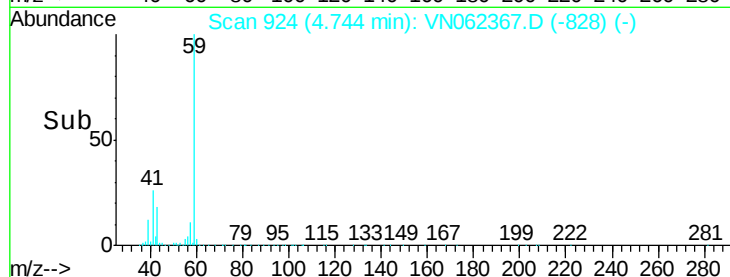
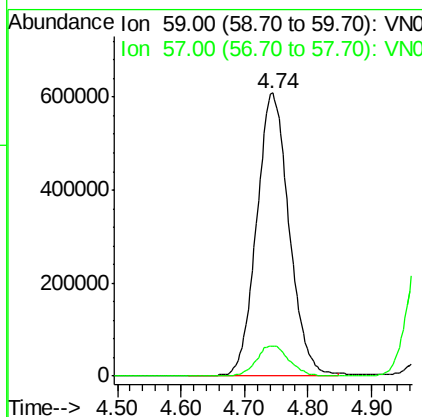
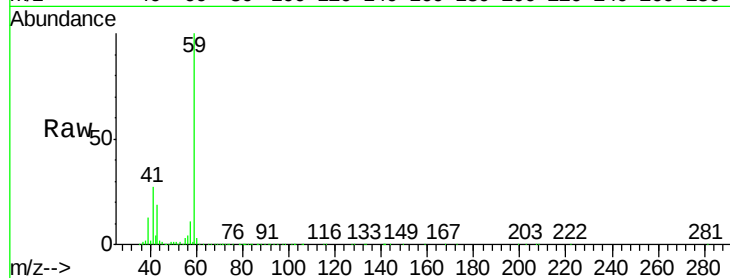
Tert butyl alcohol
Concen: 890.737 ug/l
RT: 4.74 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 2169427
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

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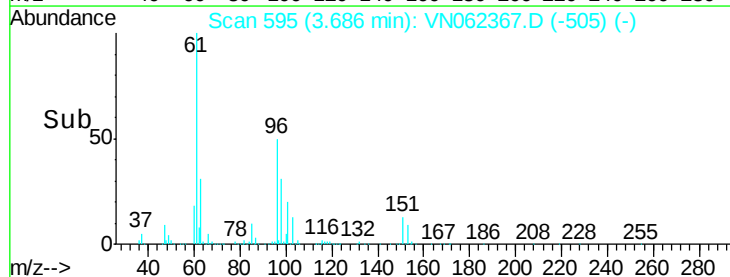
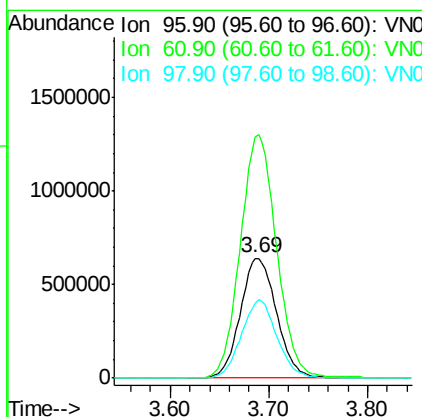
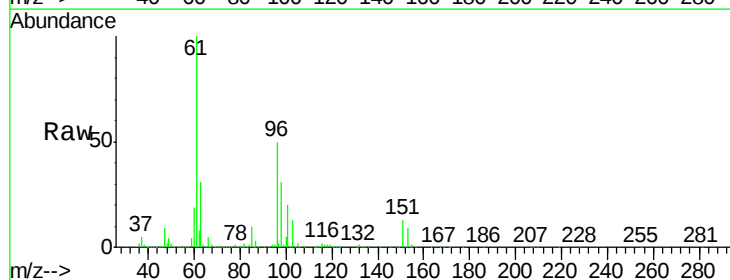
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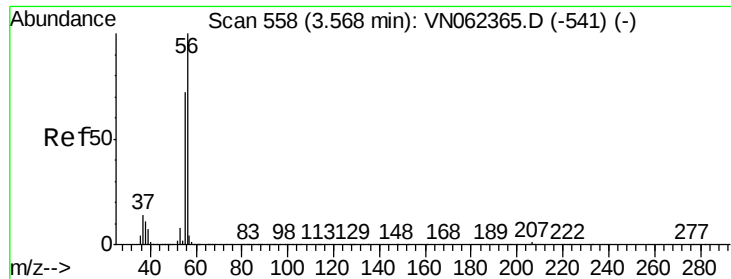


#12

1,1-Dichloroethene
Concen: 125.970 ug/l
RT: 3.69 min Scan# 595
Delta R.T. -0.01 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion: 96 Resp: 1622995
Ion Ratio Lower Upper
96 100
61 201.4 161.4 242.0
98 62.8 48.8 73.2





#13

Acrolein

Concen: 453.047 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 926221

Ion Ratio Lower Upper

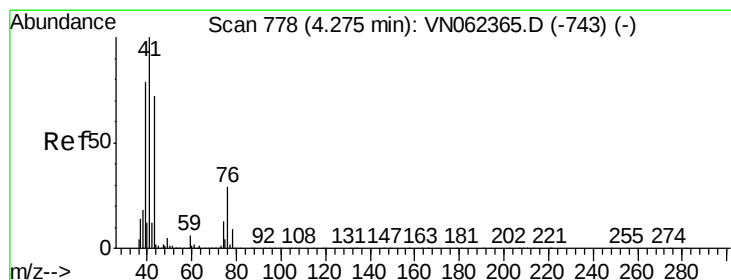
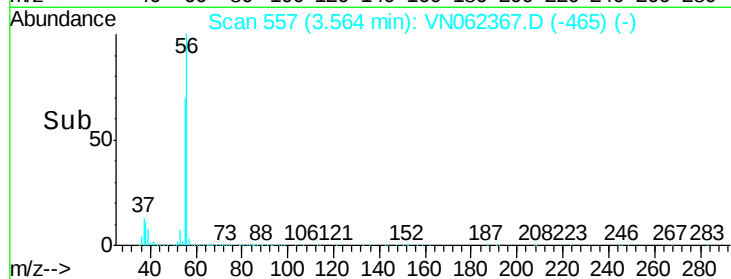
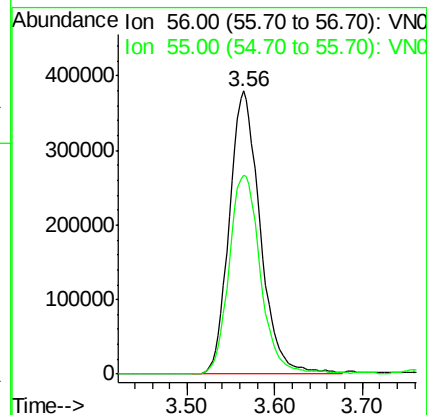
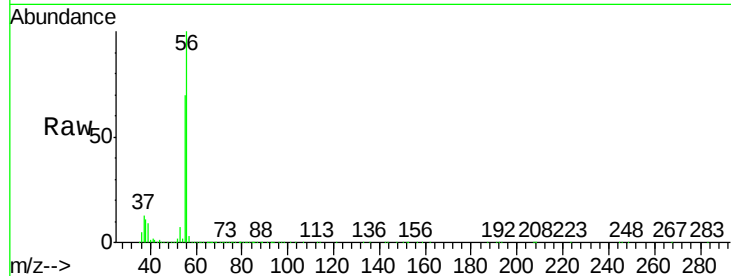
56 100

55 71.6 59.6 89.4

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#14

Allyl chloride

Concen: 220.052 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

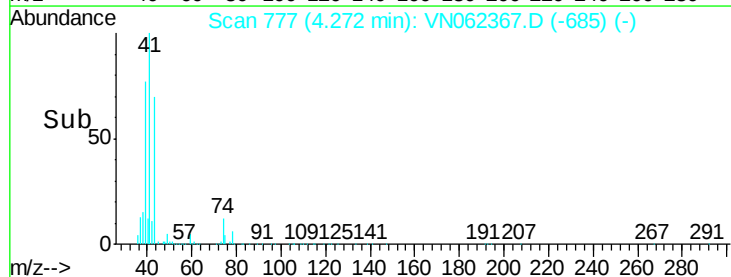
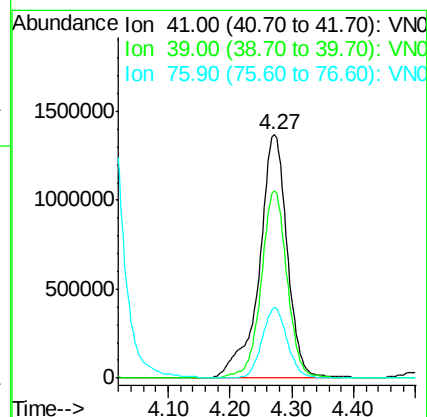
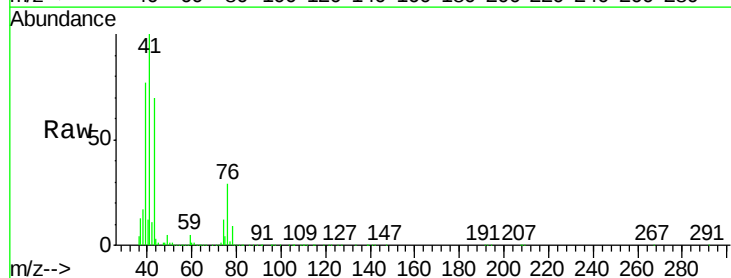
Tgt Ion: 41 Resp: 4311131

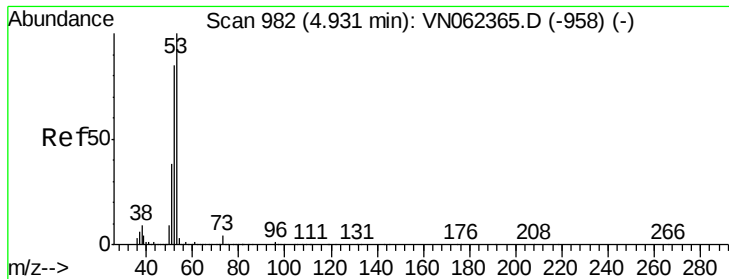
Ion Ratio Lower Upper

41 100

39 71.0 59.8 89.6

76 25.4 20.7 31.1





#15

Acrylonitrile

Concen: 883.045 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 53 Resp: 5751721

Ion Ratio Lower Upper

53 100

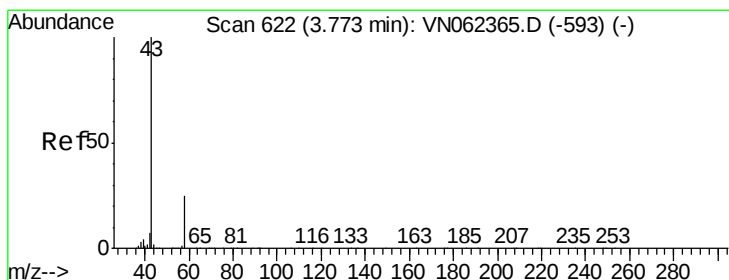
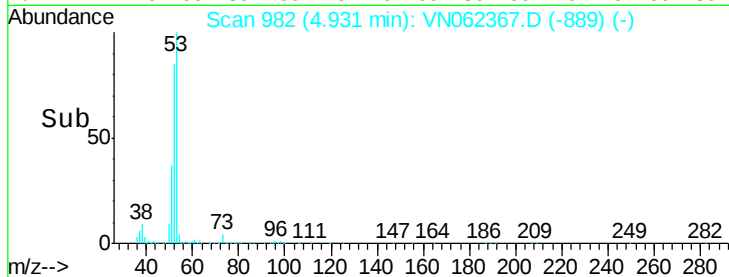
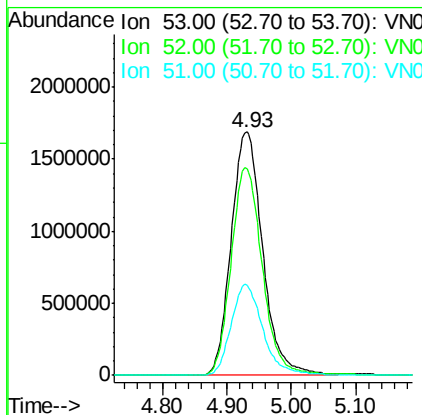
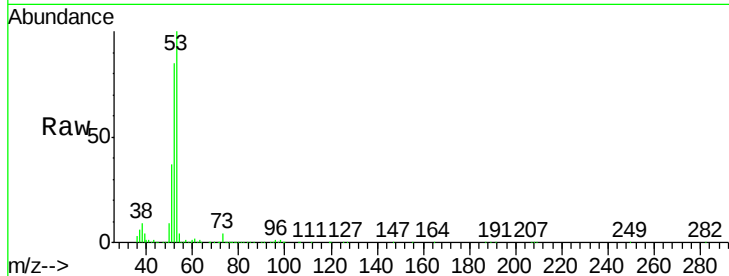
52 84.0 67.6 101.4

51 37.6 30.6 45.8

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#16

Acetone

Concen: 991.861 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062367.D

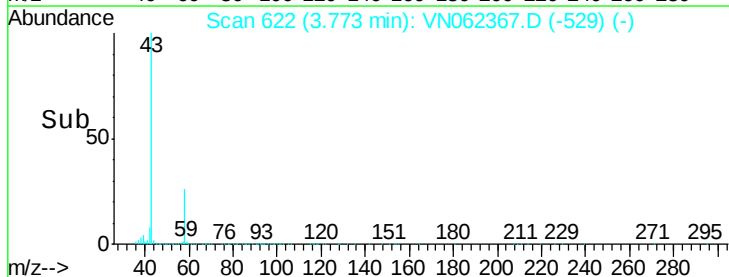
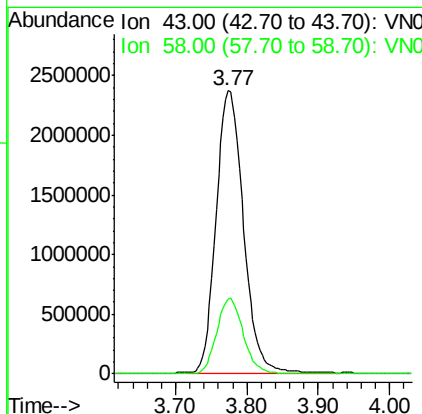
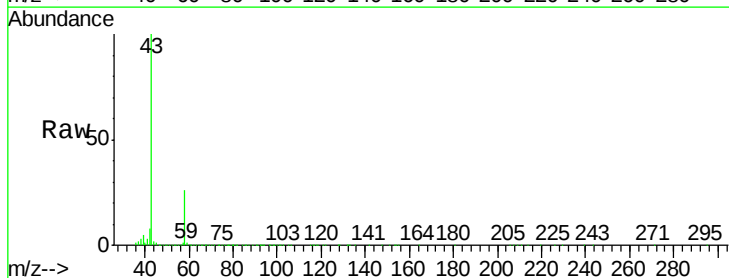
Acq: 6 Jul 2020 14:26

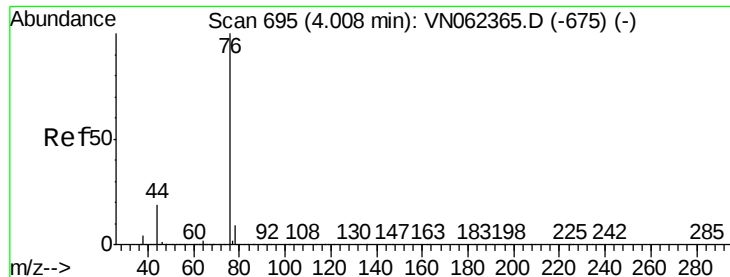
Tgt Ion: 43 Resp: 6282287

Ion Ratio Lower Upper

43 100

58 26.4 19.8 29.8





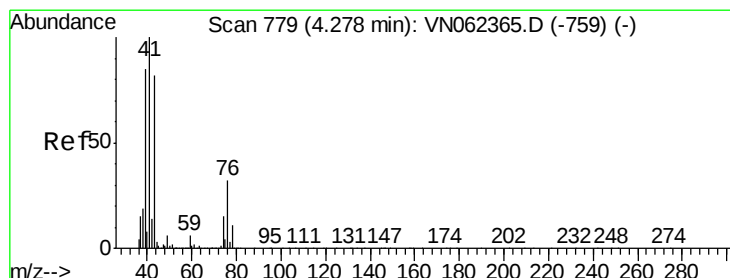
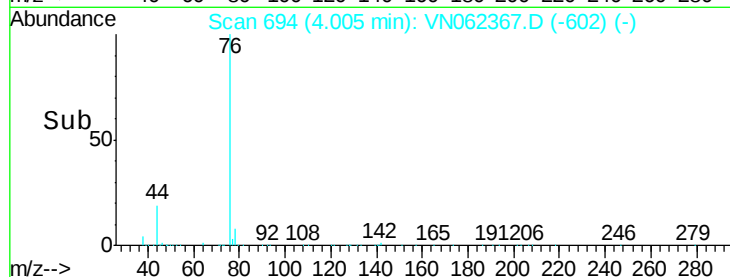
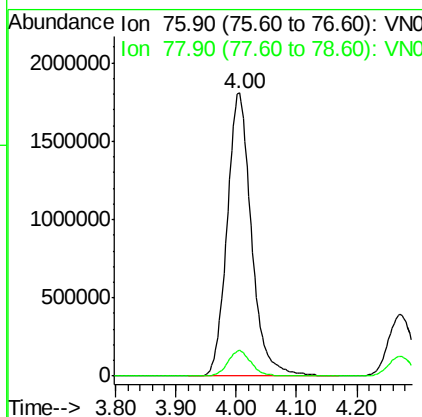
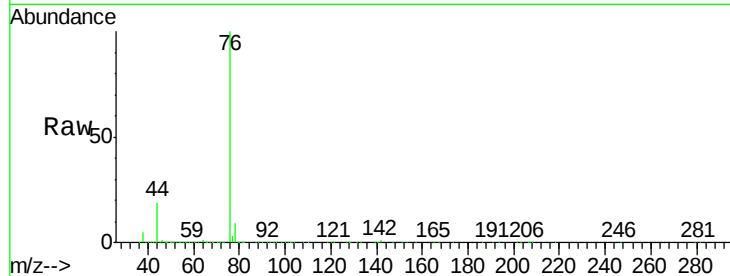
#17
Carbon Disulfide
Concen: 123.782 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 5092904
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3

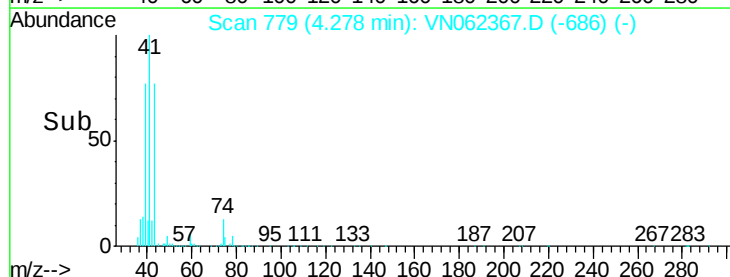
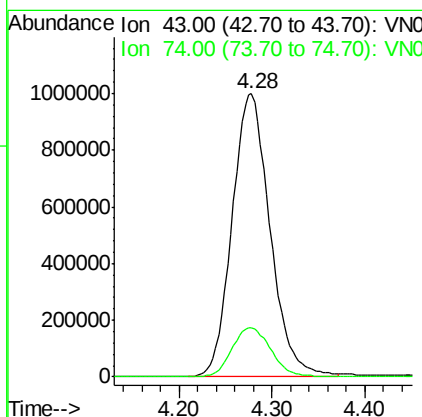
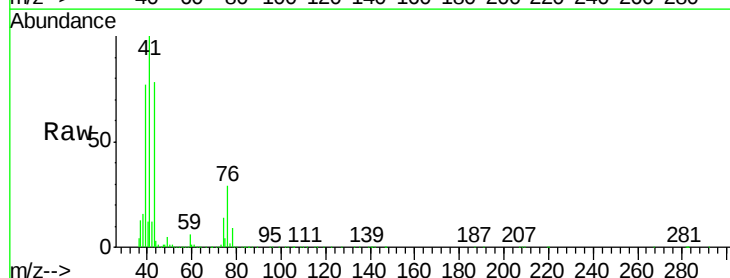
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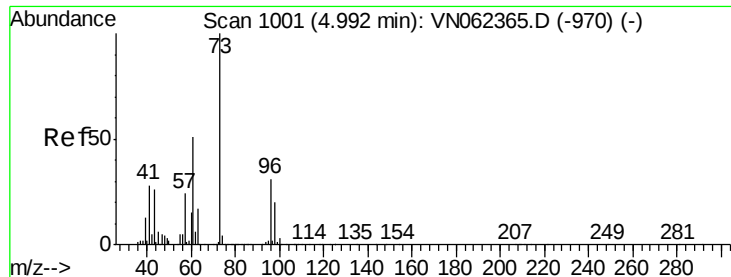
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#18
Methyl Acetate
Concen: 201.878 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion: 43 Resp: 2818354
Ion Ratio Lower Upper
43 100
74 18.1 14.2 21.4





#19

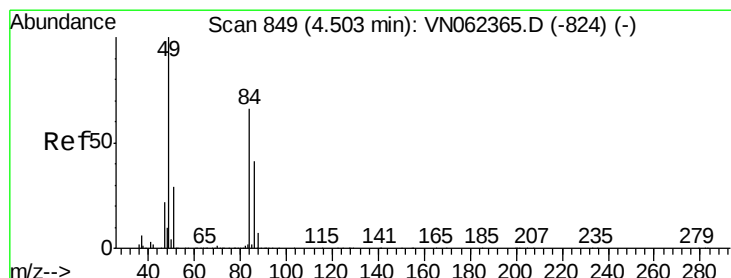
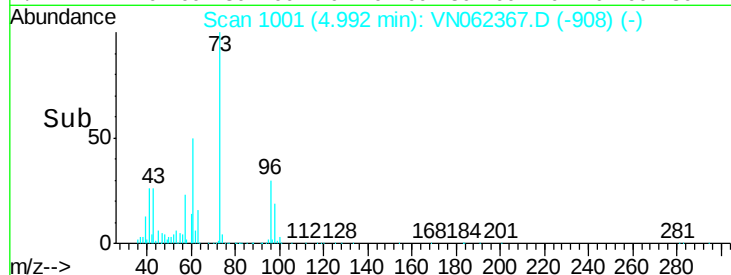
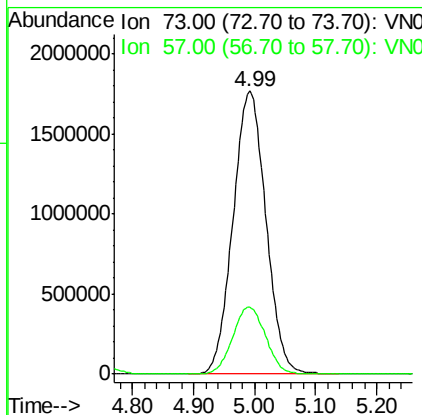
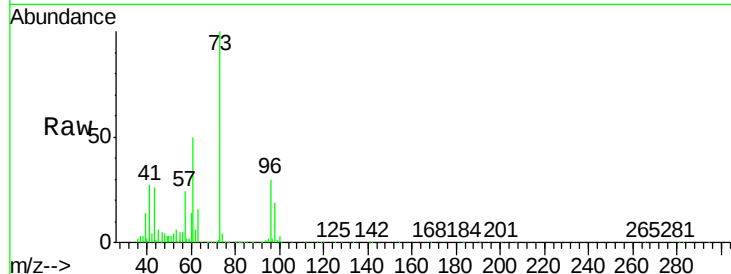
Methyl tert-butyl Ether
 Concen: 156.055 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 6621455
 Ion Ratio Lower Upper
 73 100
 57 23.6 18.9 28.3

Manual Integrations
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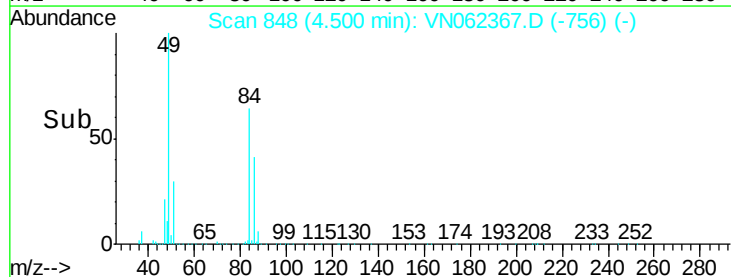
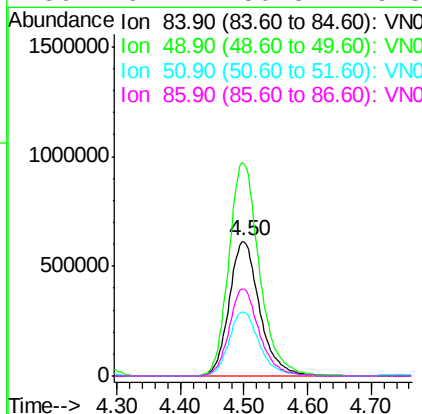
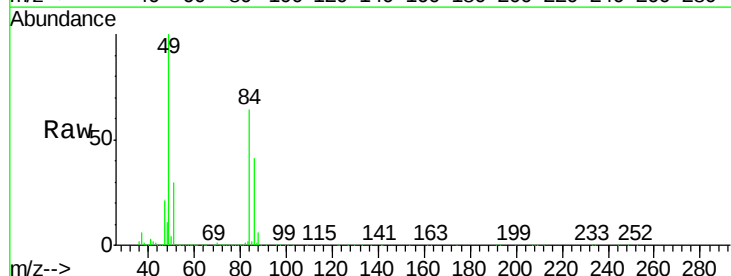
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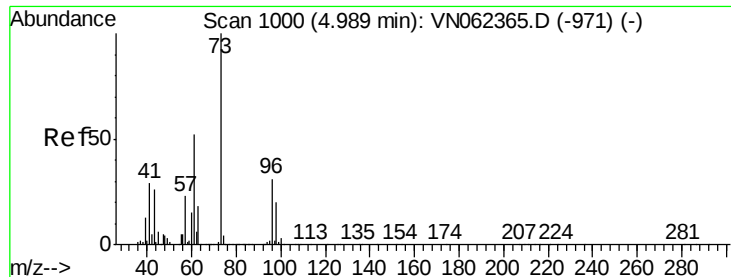


#20

Methylene Chloride
 Concen: 127.857 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Tgt Ion: 84 Resp: 2043158
 Ion Ratio Lower Upper
 84 100
 49 157.4 121.8 182.6
 51 47.2 35.0 52.4
 86 64.7 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 125.661 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1835936

Ion Ratio Lower Upper

96 100

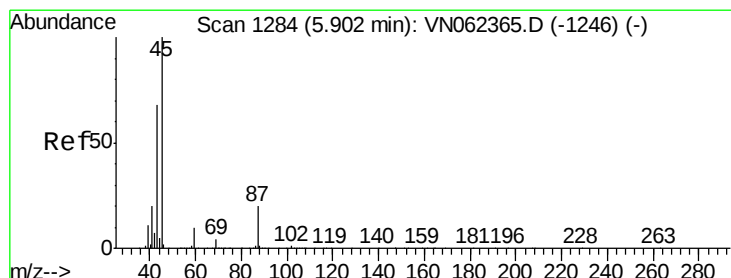
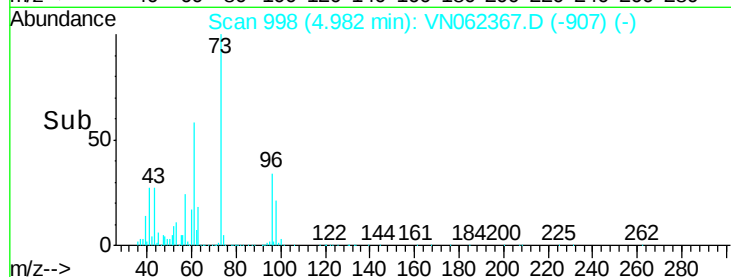
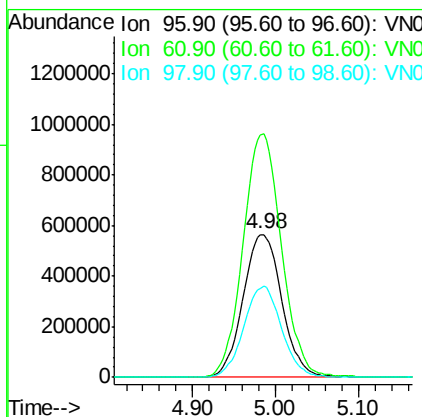
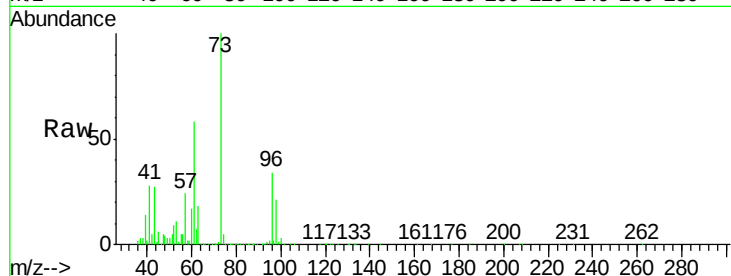
61 169.2 134.7 202.1

98 62.4 52.2 78.4

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#22

Diisopropyl ether

Concen: 190.965 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Tgt Ion: 45 Resp: 8338897

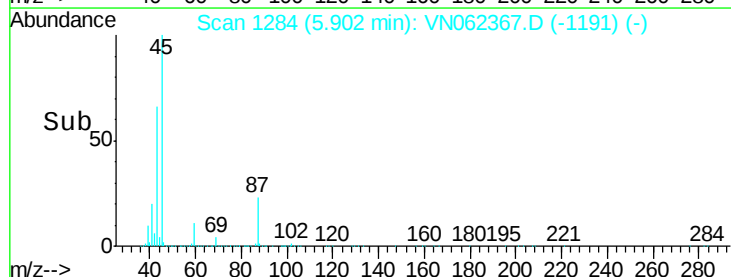
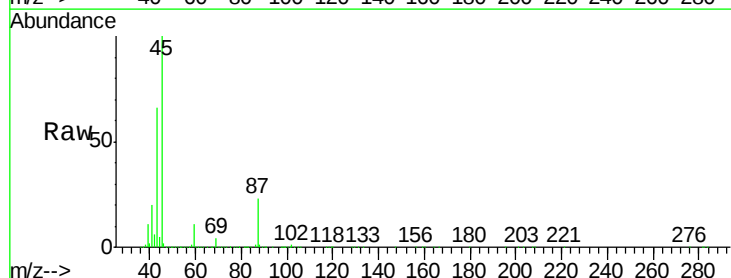
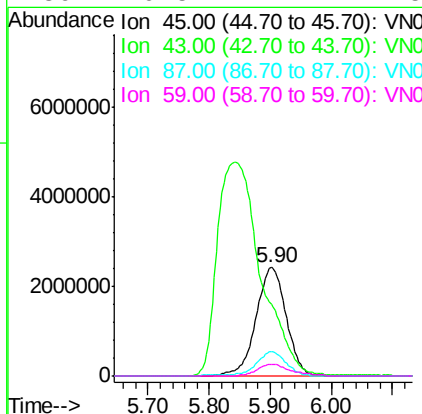
Ion Ratio Lower Upper

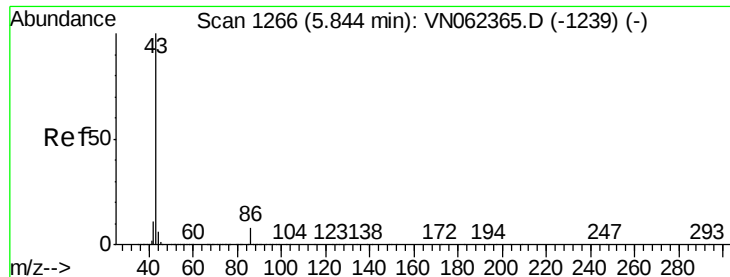
45 100

43 65.8 54.6 81.8

87 22.6 16.6 24.8

59 10.5 7.7 11.5





#23

Vinyl Acetate

Concen: 667.471 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 23723868

Ion Ratio Lower Upper

43 100

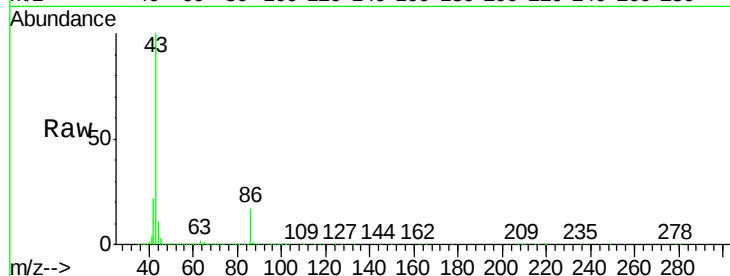
86 17.5 6.6 9.8#

Manual Integrations

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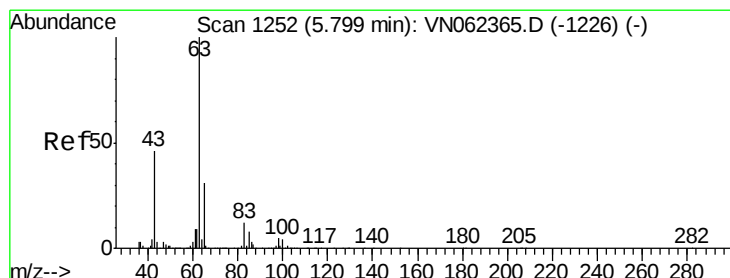
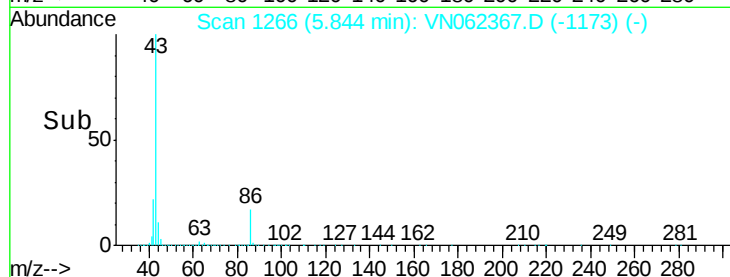
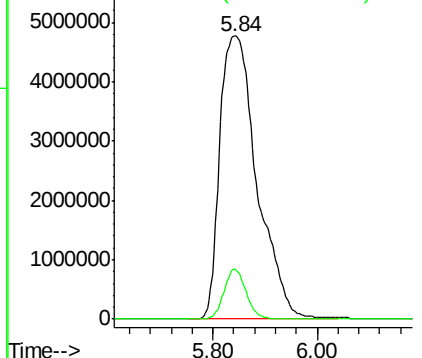
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 151.686 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

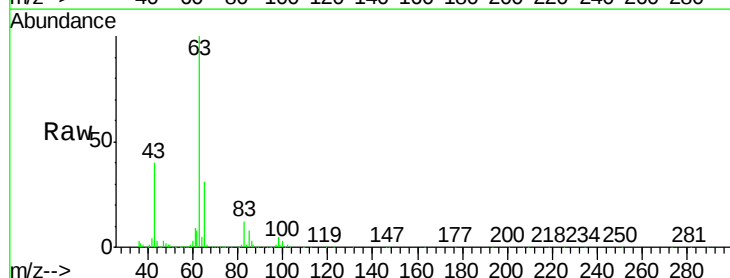
Tgt Ion: 63 Resp: 4039440

Ion Ratio Lower Upper

63 100

98 5.2 2.6 7.8

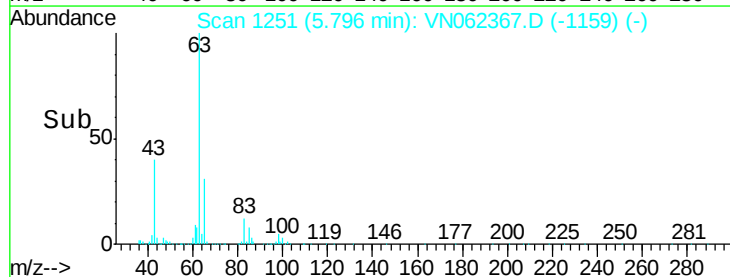
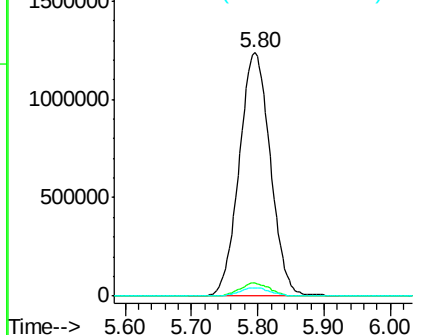
100 3.4 1.8 5.3

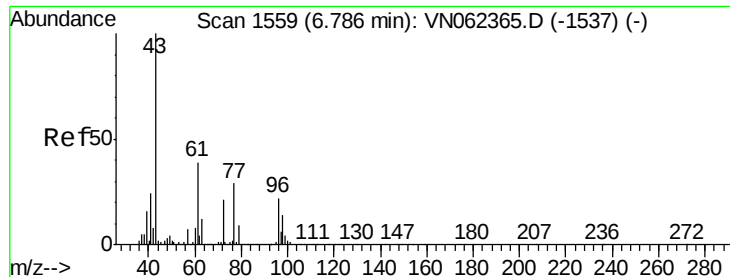


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 1013.058 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 8673326

Ion Ratio Lower Upper

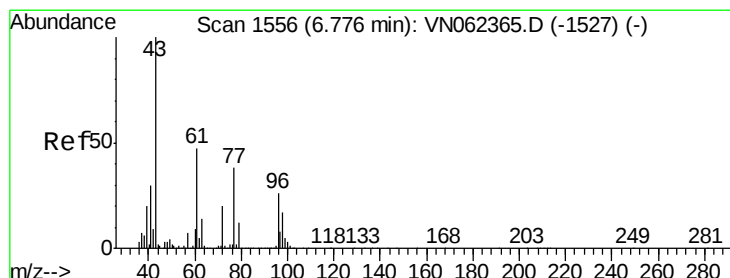
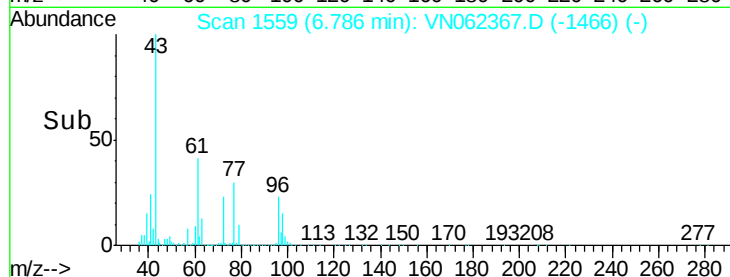
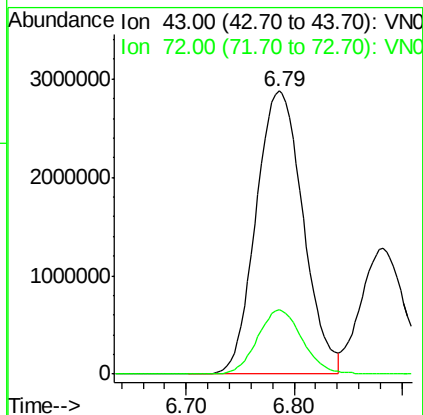
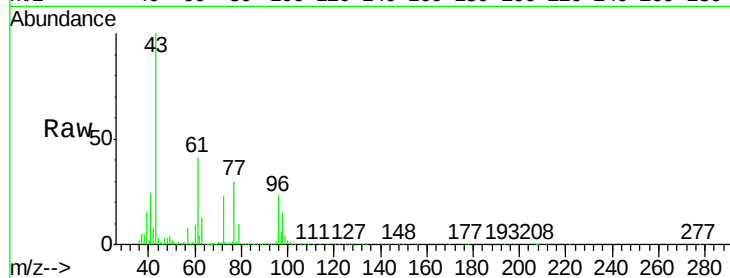
43 100

72 22.7 16.4 24.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 150.250 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062367.D

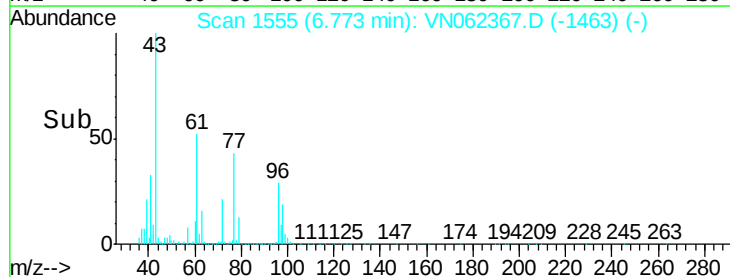
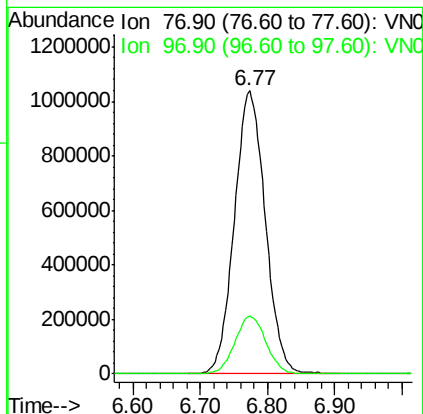
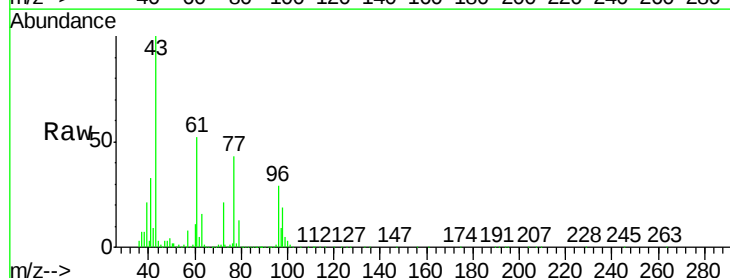
Acq: 6 Jul 2020 14:26

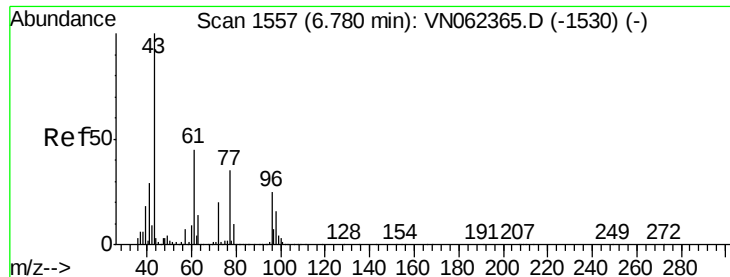
Tgt Ion: 77 Resp: 3307366

Ion Ratio Lower Upper

77 100

97 20.5 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 128.815 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 2128245

Ion Ratio Lower Upper

96 100

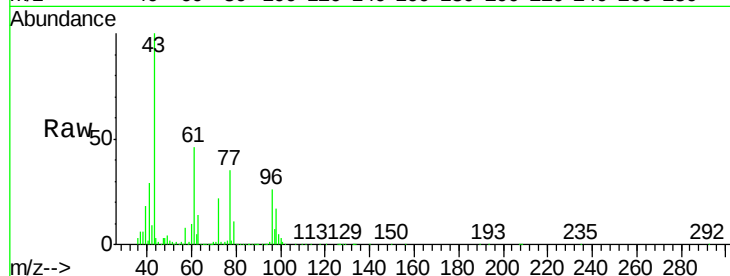
61 177.2 0.0 358.8

98 65.0 0.0 130.6

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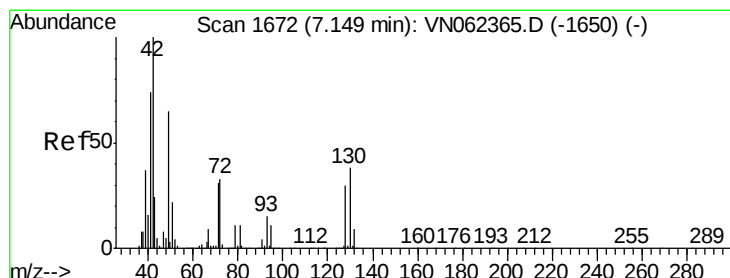
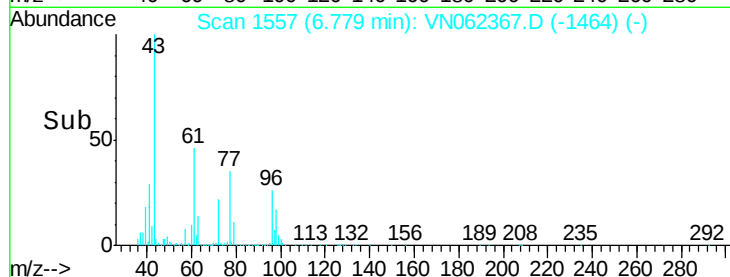
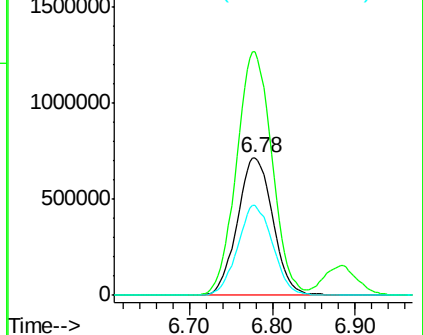
7/7/2020 10:08:46 AM



Abundance Ion 95.90 (95.60 to 96.60): VN062367.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN062367.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN062367.D (-1464) (-)



#28

Bromochloromethane

Concen: 188.041 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

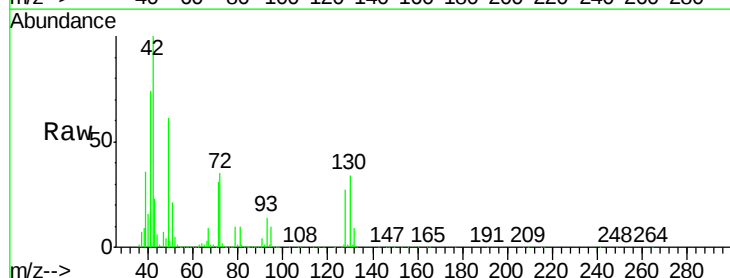
Tgt Ion: 49 Resp: 2303808

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.6

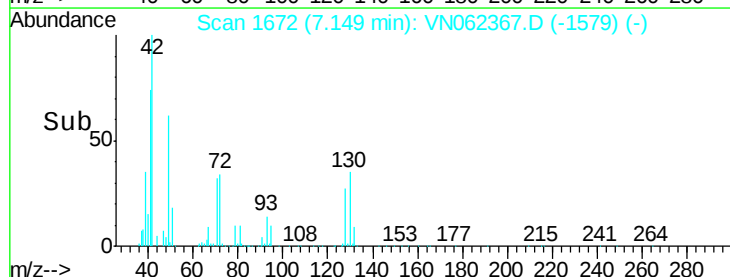
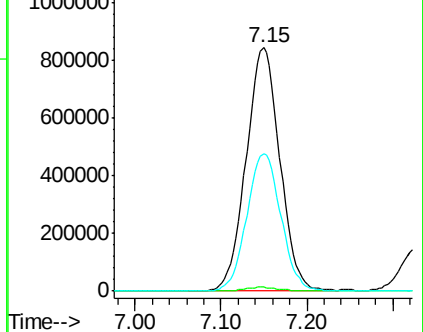
130 57.0 45.8 68.8

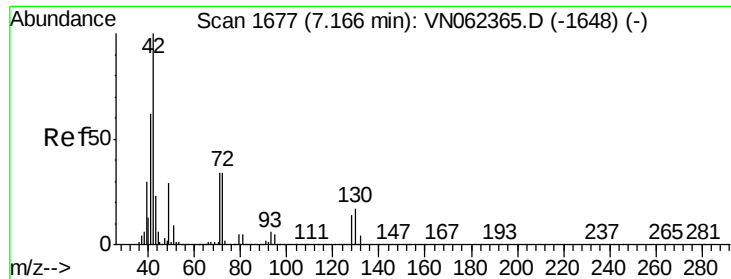


Abundance Ion 48.90 (48.60 to 49.60): VN062367.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062367.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062367.D (-1579) (-)





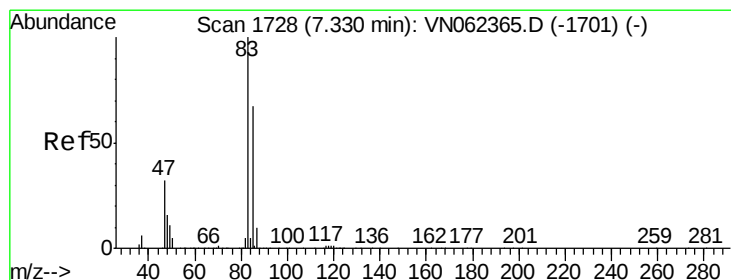
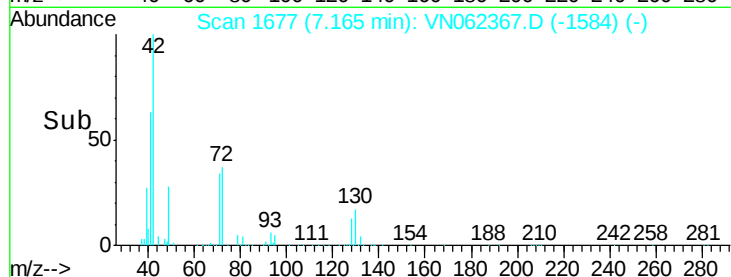
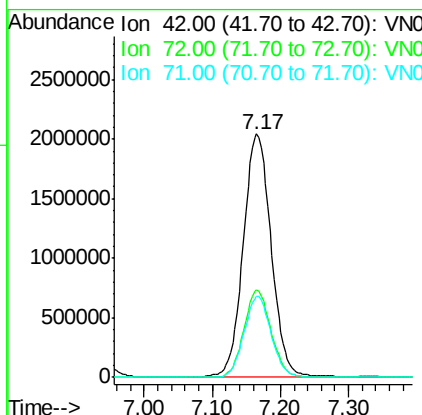
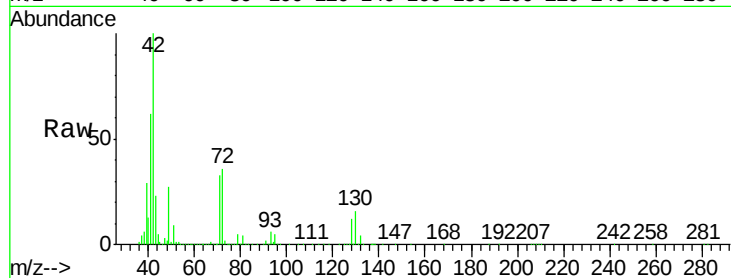
#29
Tetrahydrofuran
Concen: 1039.336 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	26.8	40.2
71	32.4	26.0	39.0

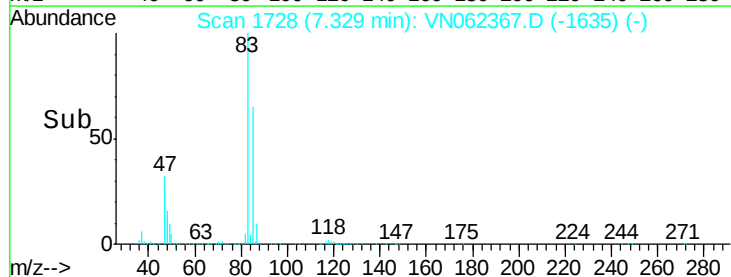
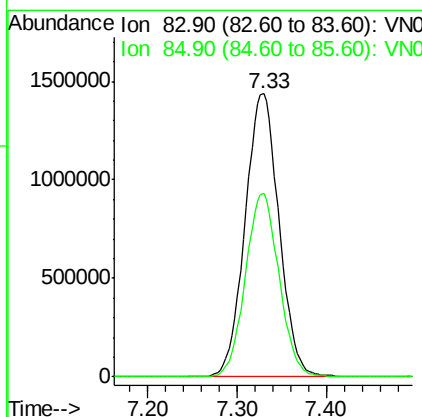
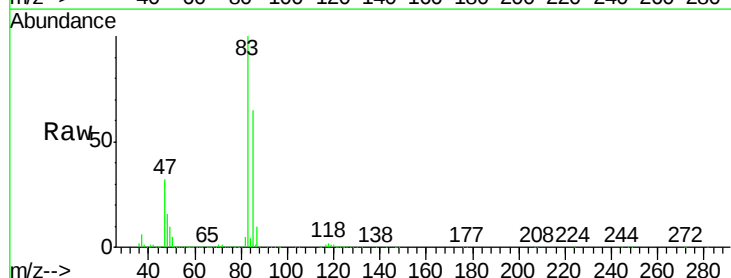
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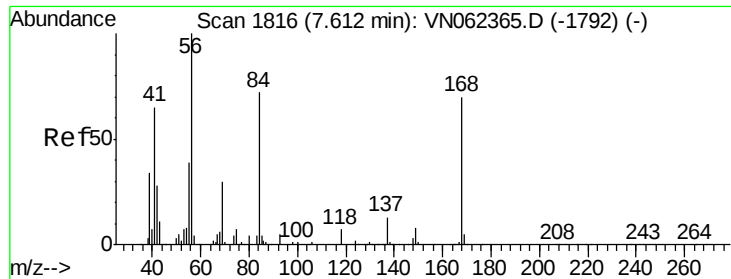
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#30
Chloroform
Concen: 142.327 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.6	80.4





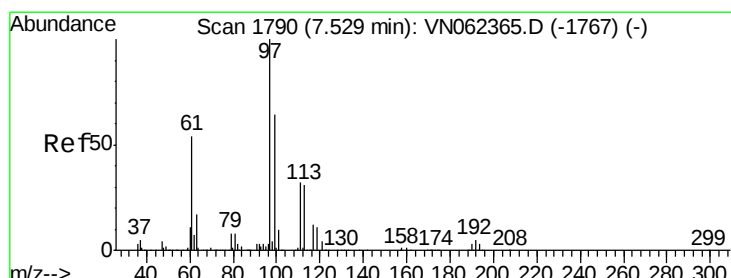
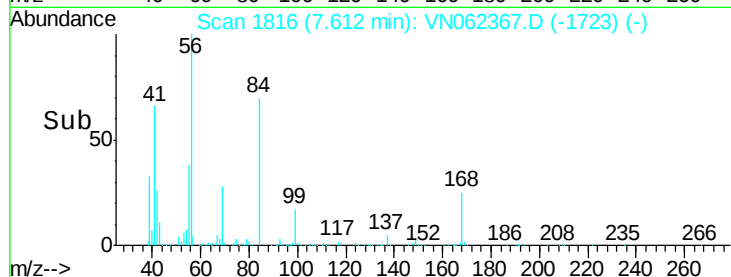
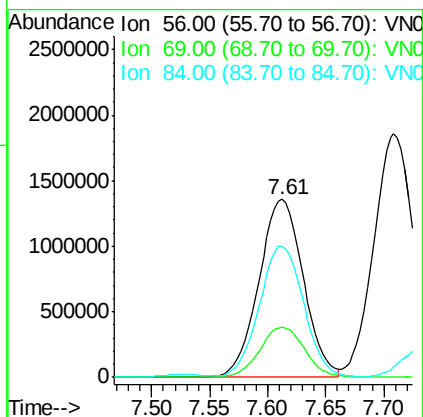
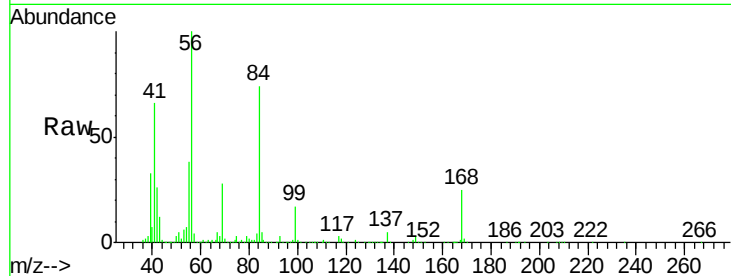
#31
Cyclohexane
Concen: 157.800 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.7	35.5
84	71.9	57.2	85.8

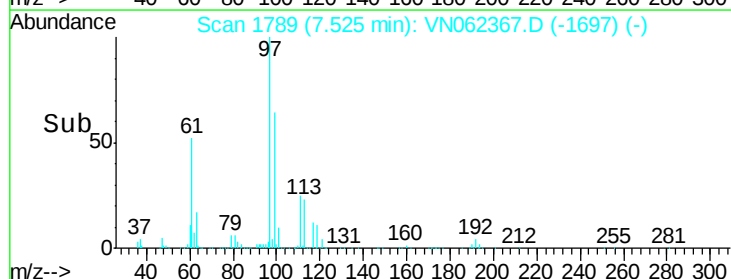
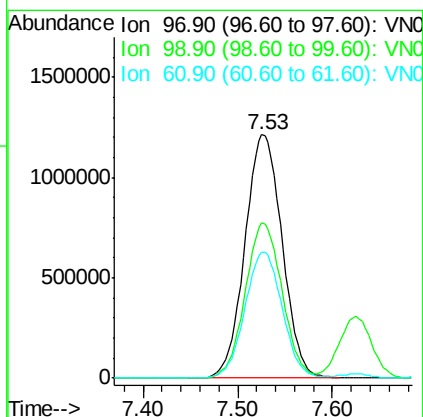
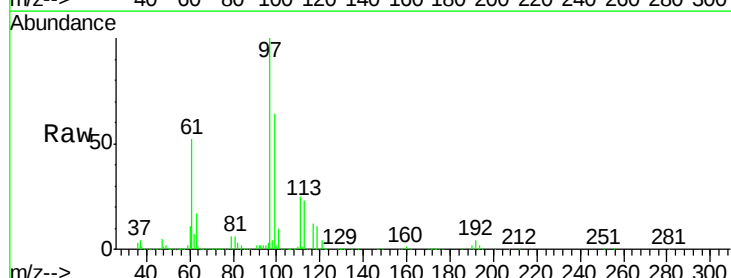
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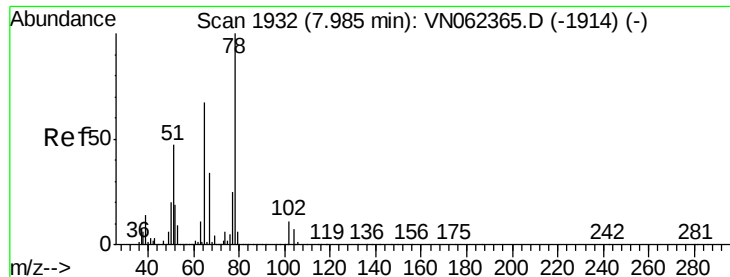
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#32
1,1,1-Trichloroethane
Concen: 147.105 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.1	76.7
61	51.8	42.5	63.7





#33

1,2-Dichloroethane-d4

Concen: 166.894 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 2860522

Ion Ratio Lower Upper

65 100

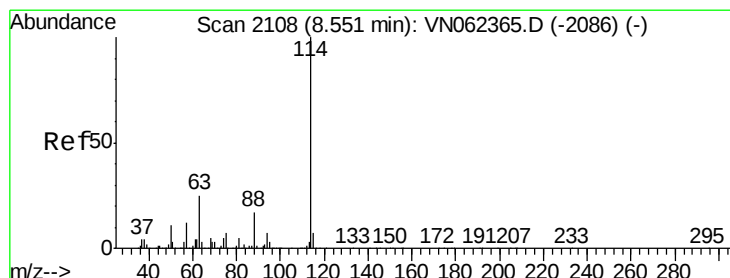
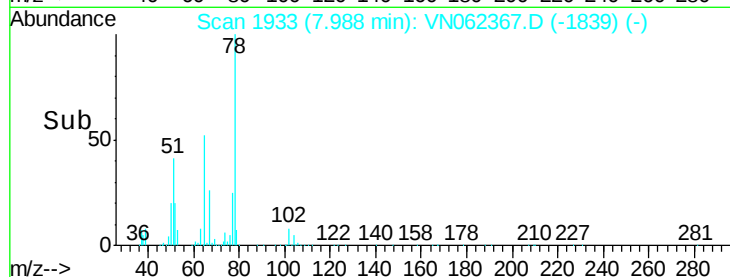
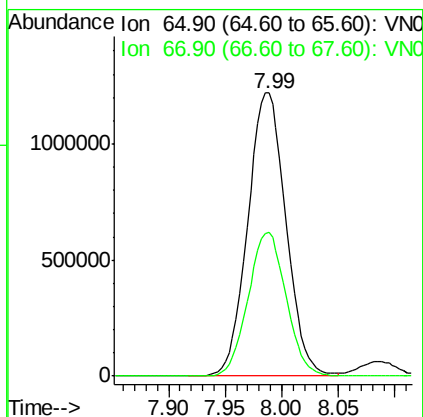
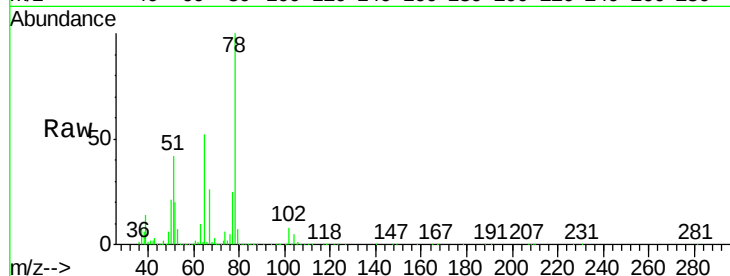
67 50.5 0.0 101.0

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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: VN062367.D

Acq: 6 Jul 2020 14:26

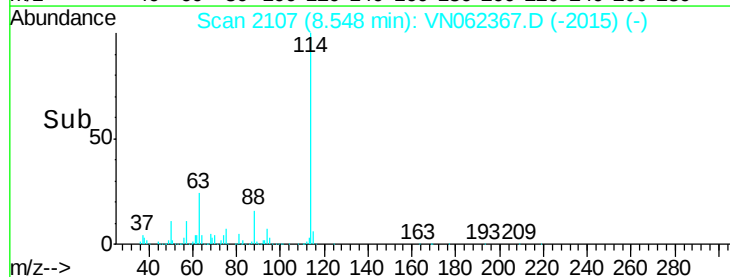
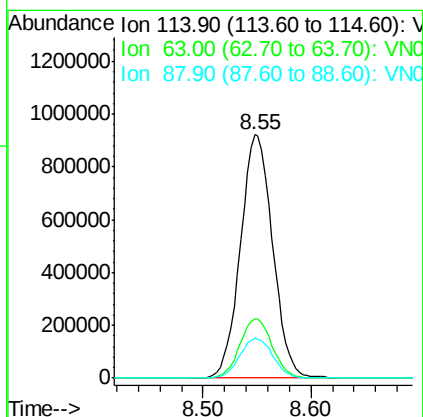
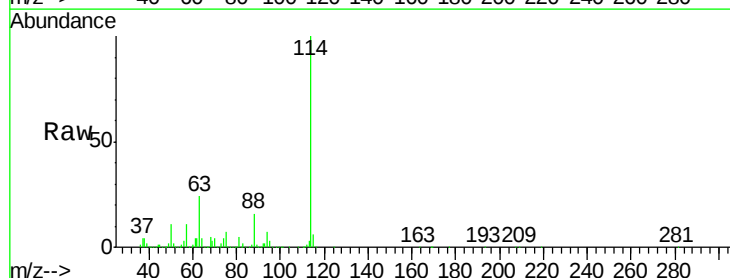
Tgt Ion: 114 Resp: 1916907

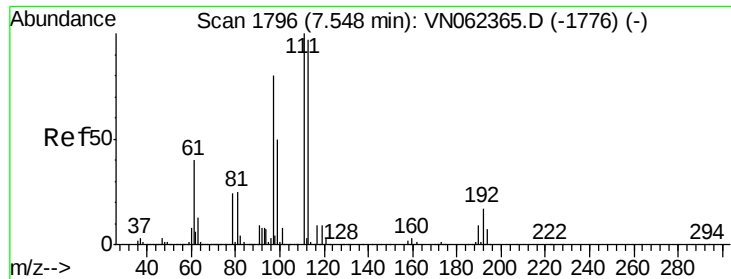
Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.0

88 16.2 0.0 34.0





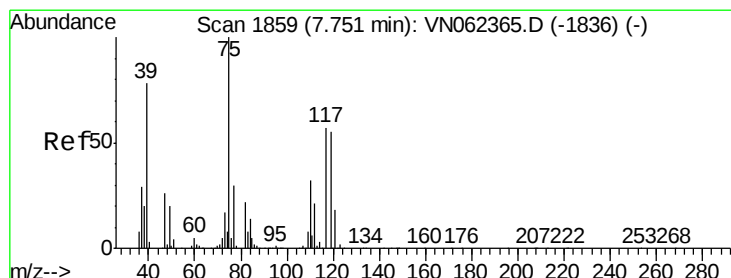
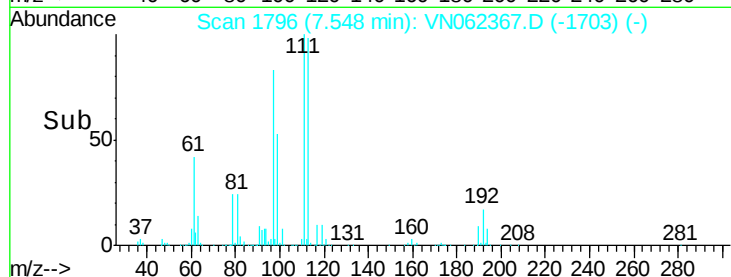
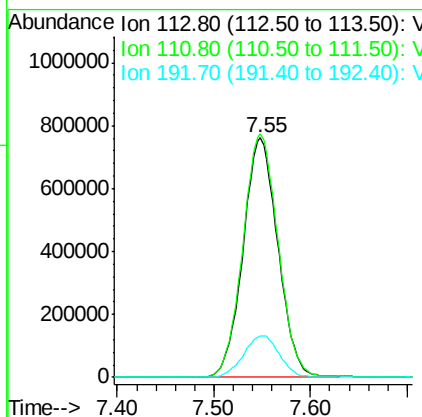
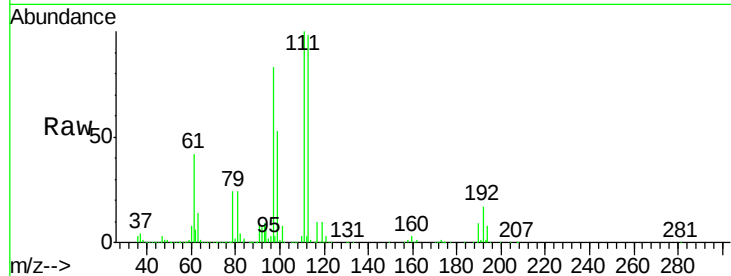
#35
 Dibromofluoromethane
 Concen: 149.089 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.2	124.8
192	17.9	14.2	21.2

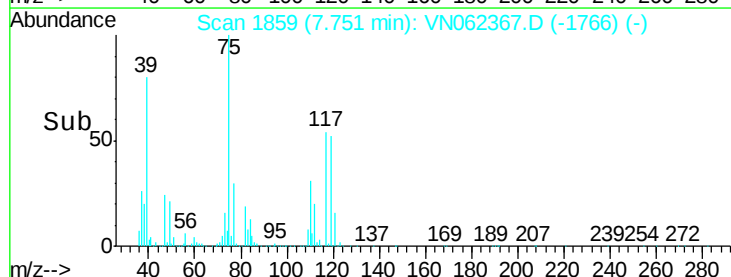
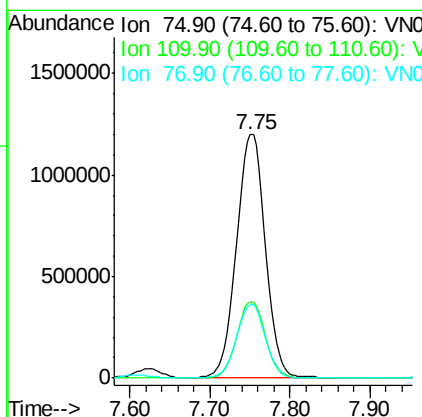
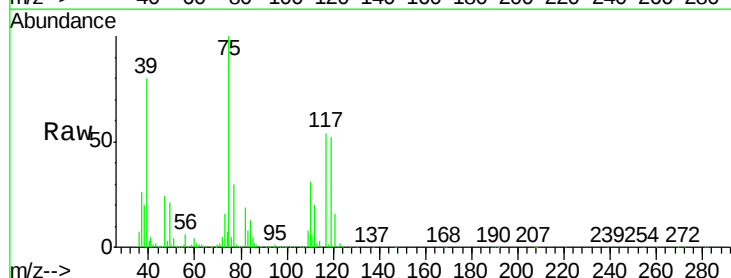
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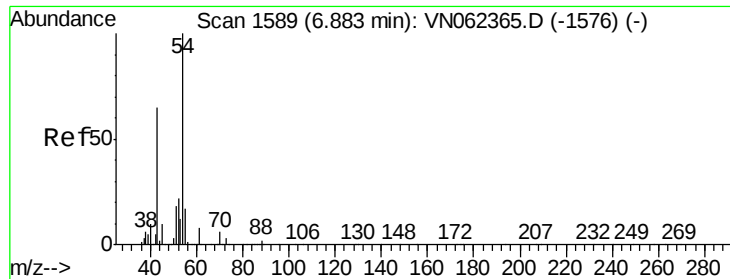
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#36
 1,1-Dichloropropene
 Concen: 148.692 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.7	47.1
77	30.0	24.3	36.5





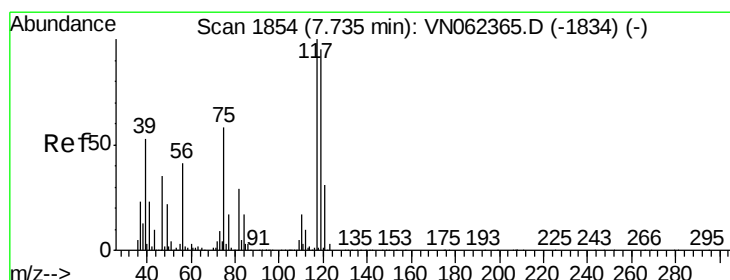
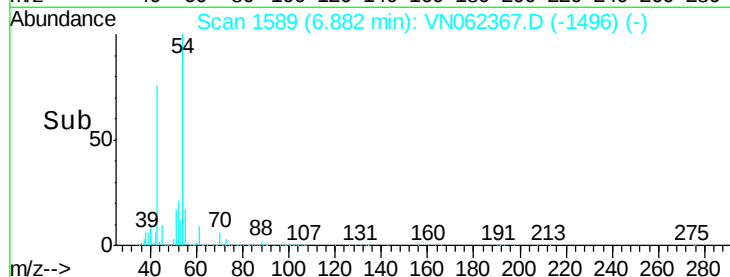
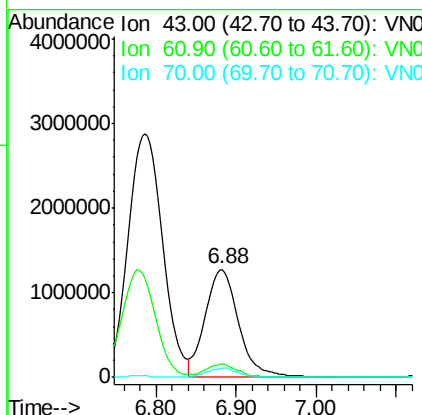
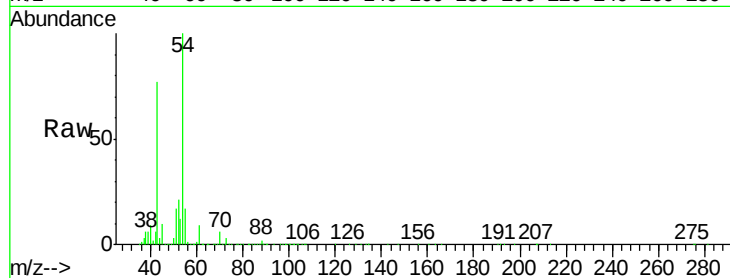
#37
Ethyl Acetate
Concen: 209.399 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	8.8	13.2
70	7.9	6.2	9.4

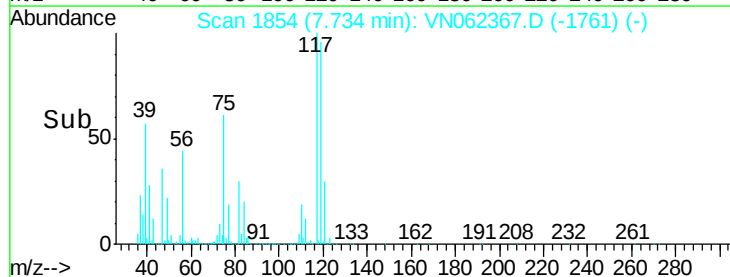
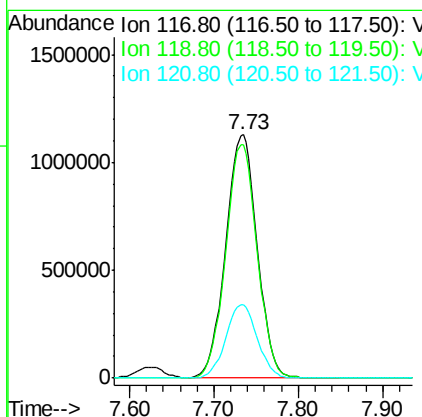
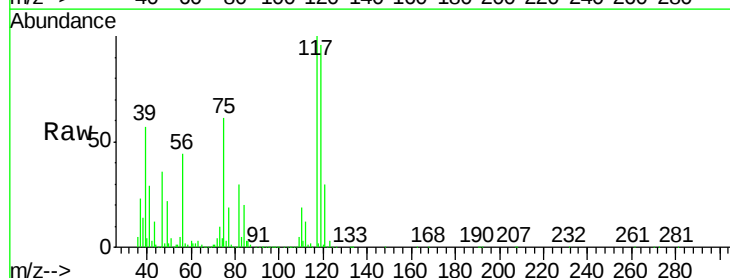
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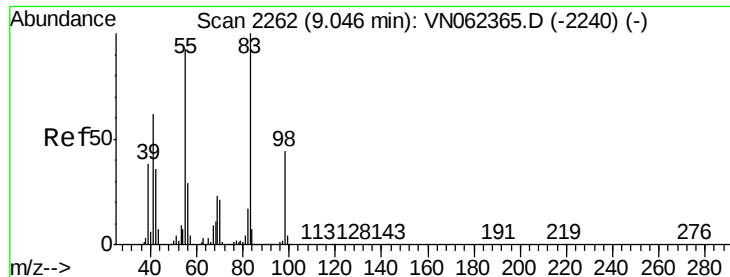
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#38
Carbon Tetrachloride
Concen: 156.360 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.9	113.9
121	30.1	24.6	36.8





#39

Methvlcvclohexane

Concen: 150.399 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 3201703

Ion Ratio Lower Upper

83 100

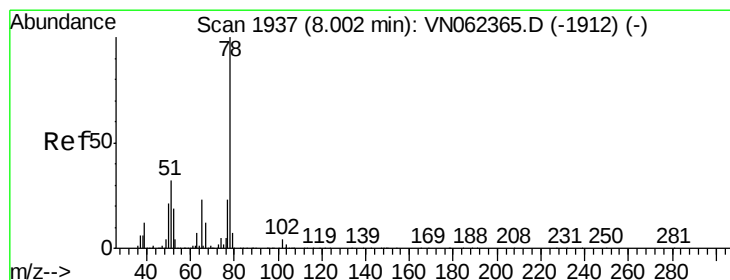
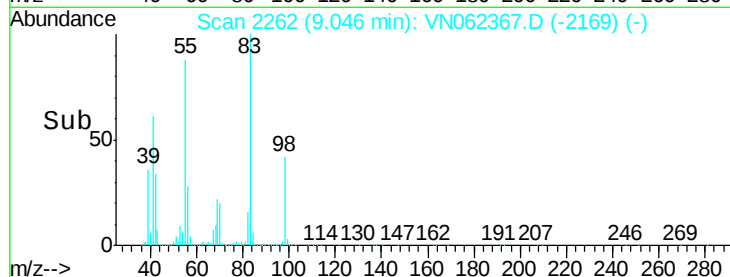
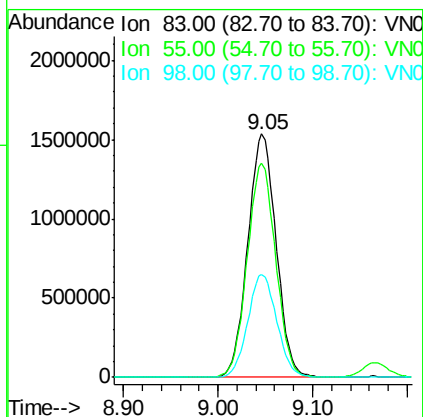
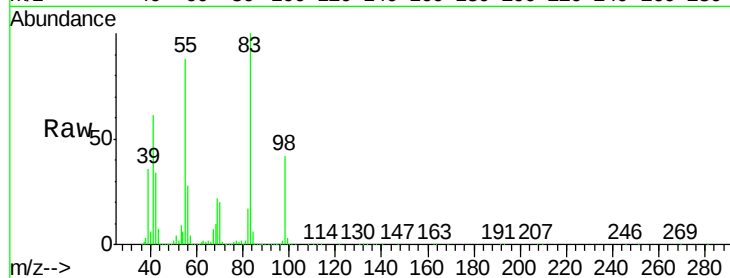
55 88.0 74.1 111.1

98 42.4 35.6 53.4

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#40

Benzene

Concen: 132.413 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN062367.D

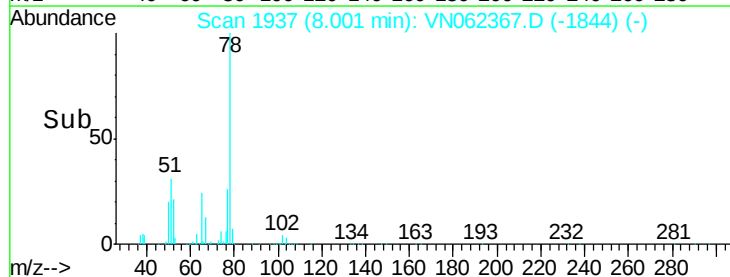
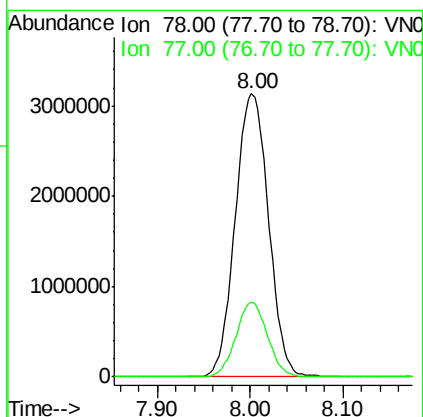
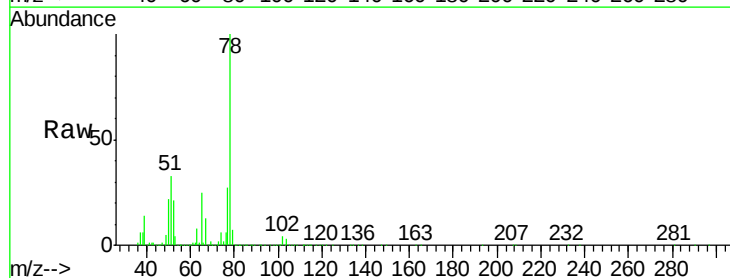
Acq: 6 Jul 2020 14:26

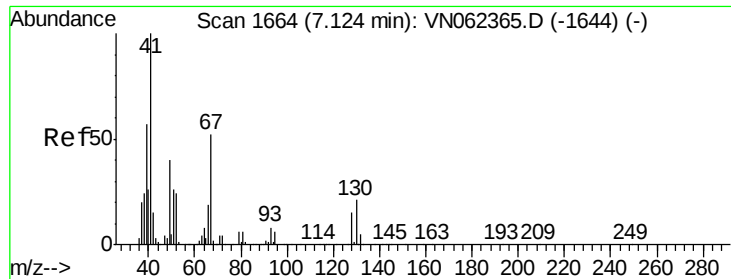
Tgt Ion: 78 Resp: 7811002

Ion Ratio Lower Upper

78 100

77 26.6 18.6 28.0





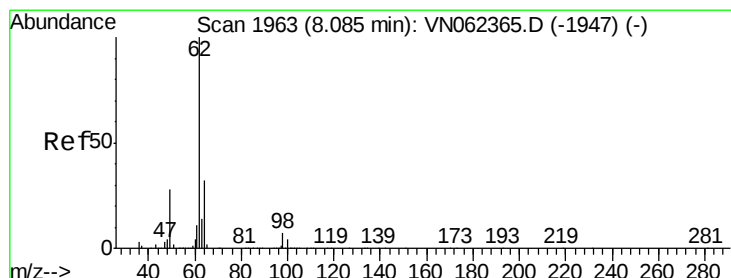
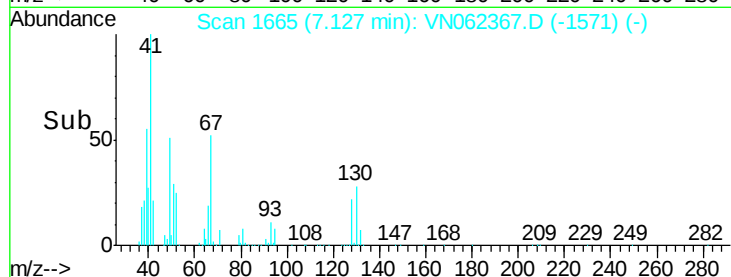
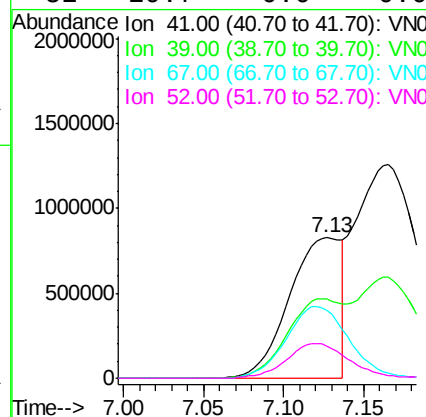
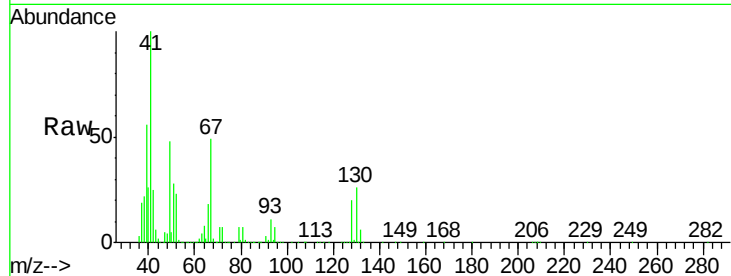
#41
Methacrylonitrile
Concen: 235.601 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.6	0.0	0.0#
67	61.8	0.0	0.0#
52	29.7	0.0	0.0#

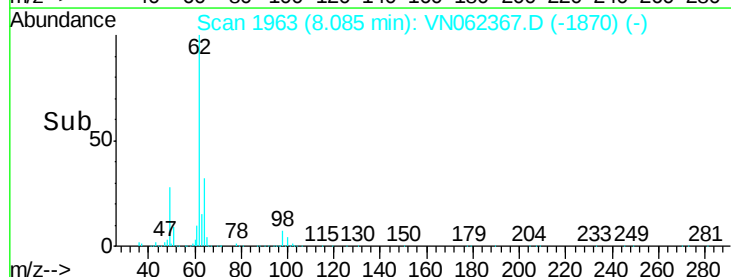
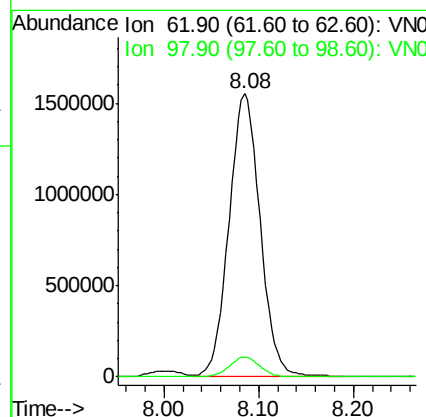
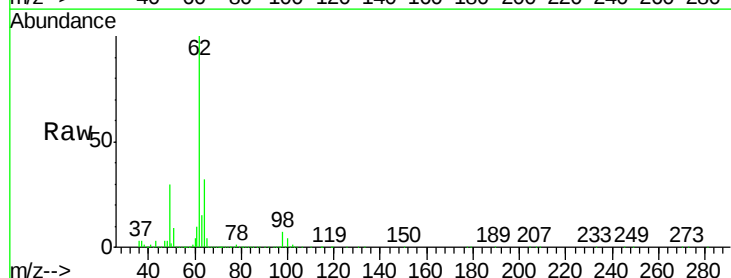
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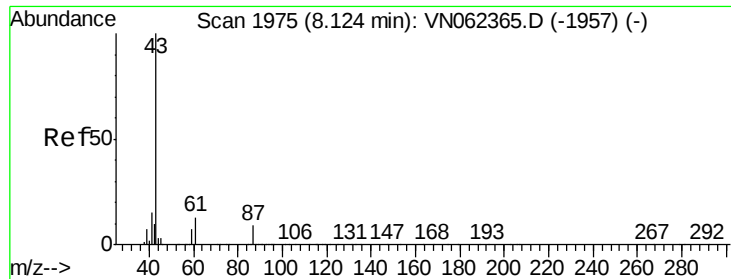
MMDadoda
7/7/2020 10:08:46 AM



#42
1,2-Dichloroethane
Concen: 169.802 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	13.4





#43

Isopropyl Acetate

Concen: 211.080 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6065751

Ion Ratio Lower Upper

43 100

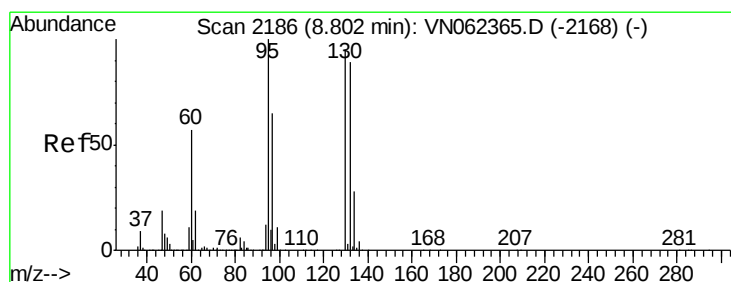
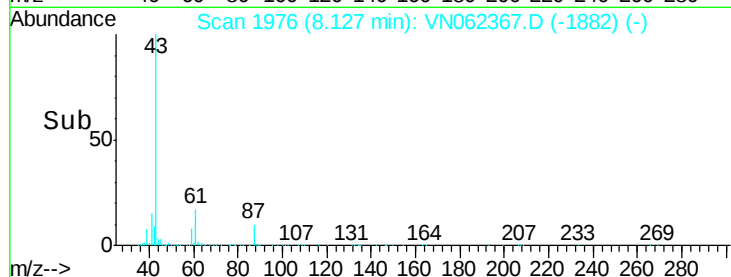
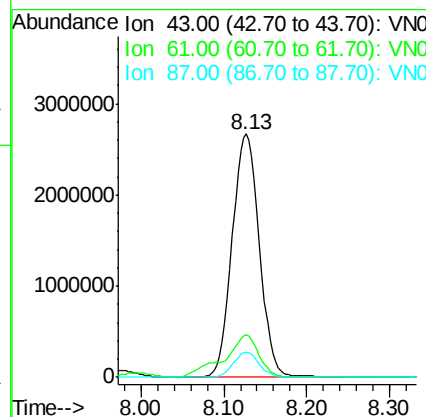
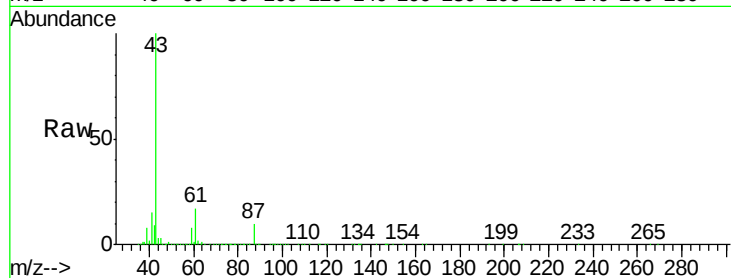
61 22.3 13.1 19.7#

87 9.8 7.5 11.3

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#44

Trichloroethene

Concen: 130.827 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062367.D

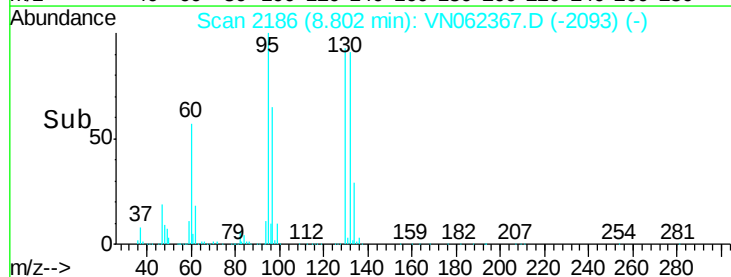
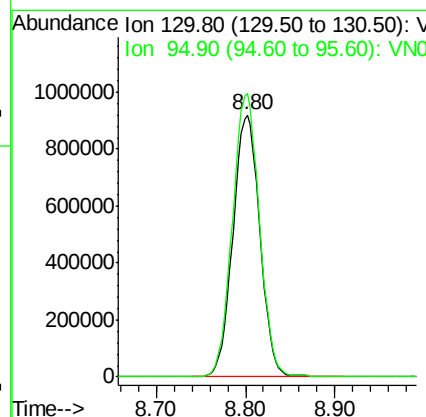
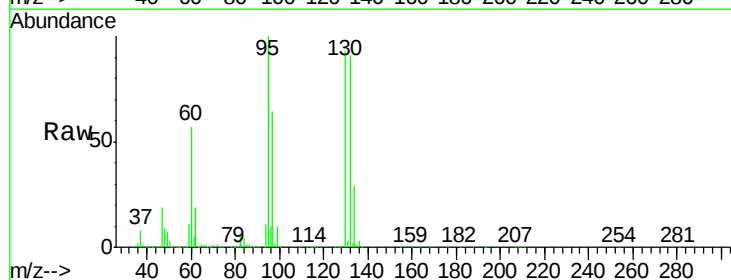
Acq: 6 Jul 2020 14:26

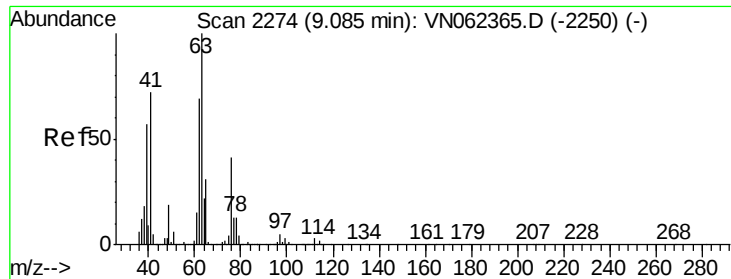
Tgt Ion:130 Resp: 1927482

Ion Ratio Lower Upper

130 100

95 108.0 0.0 209.8





#45

1,2-Dichloropropane

Concen: 160.877 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 2406824

Ion Ratio Lower Upper

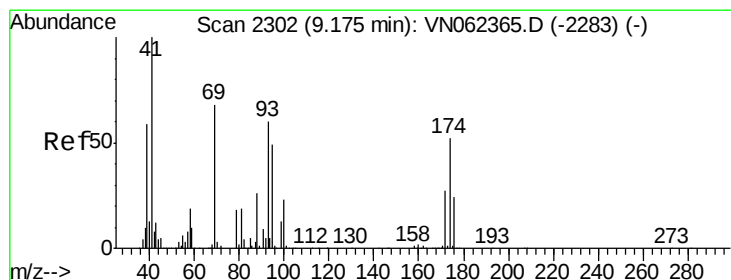
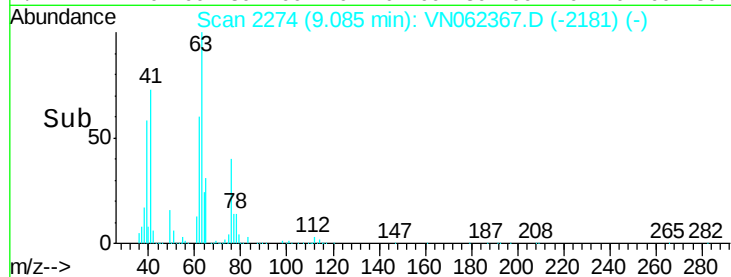
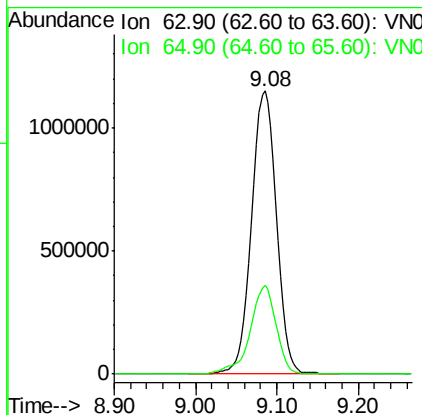
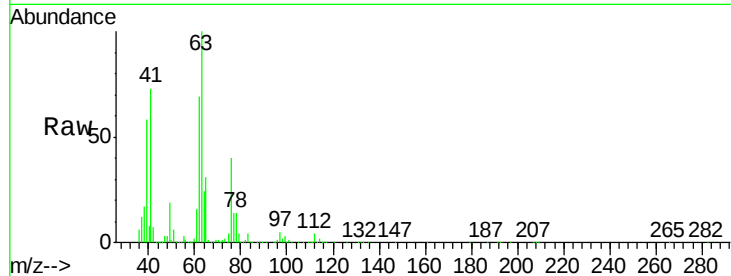
63 100

65 31.1 24.2 36.4

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#46

Dibromomethane

Concen: 148.155 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

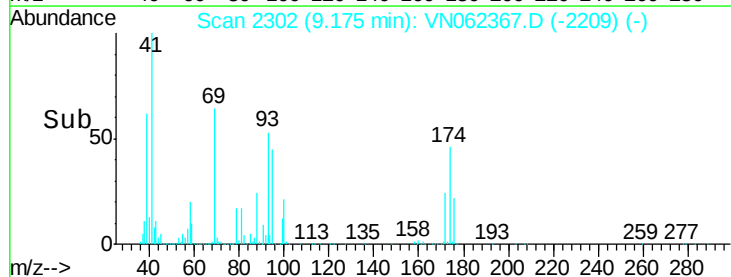
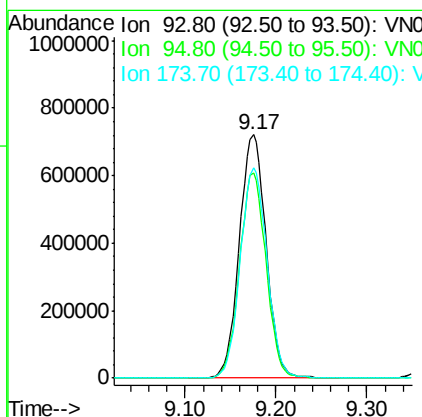
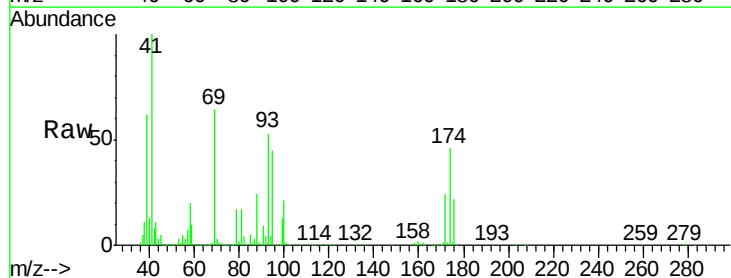
Tgt Ion: 93 Resp: 1475241

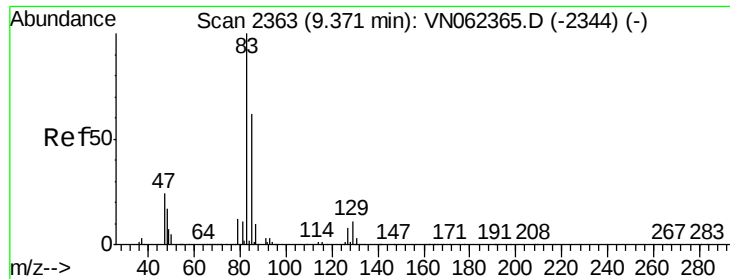
Ion Ratio Lower Upper

93 100

95 83.0 64.8 97.2

174 86.8 67.6 101.4





#47

Bromodichloromethane

Concen: 156.687 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 3176845

Ion Ratio Lower Upper

83 100

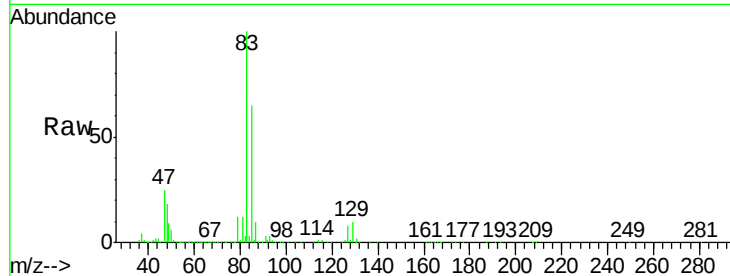
85 65.4 49.8 74.6

127 8.1 6.2 9.2

Manual Integrations
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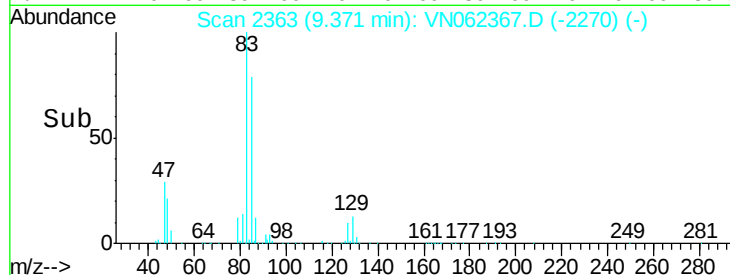


Abundance Ion 82.90 (82.60 to 83.60): VN062367.D (-2270) (-)

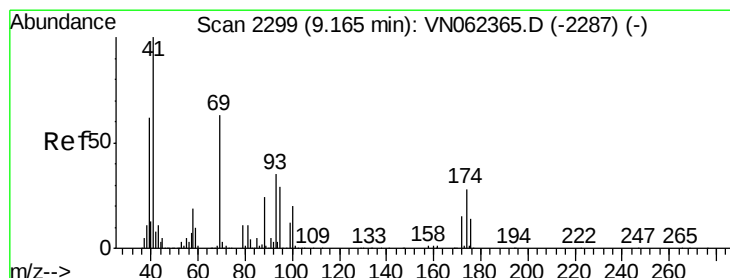
Ion 84.90 (84.60 to 85.60): VN062367.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062367.D (-2270) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 239.498 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

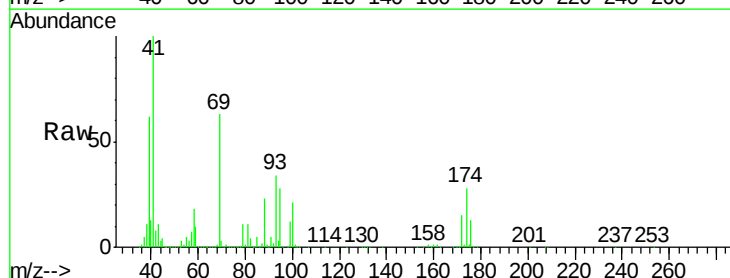
Tgt Ion: 41 Resp: 3162170

Ion Ratio Lower Upper

41 100

69 64.4 51.5 77.3

39 63.0 51.2 76.8

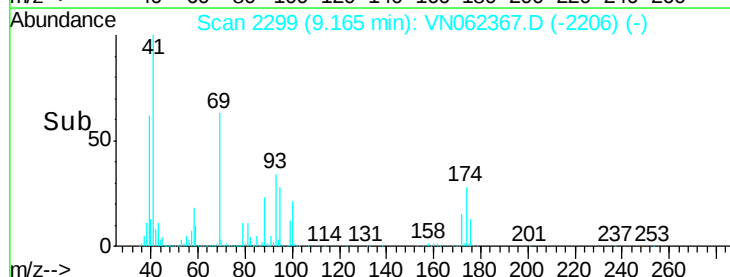


Abundance Ion 41.00 (40.70 to 41.70): VN062367.D (-2206) (-)

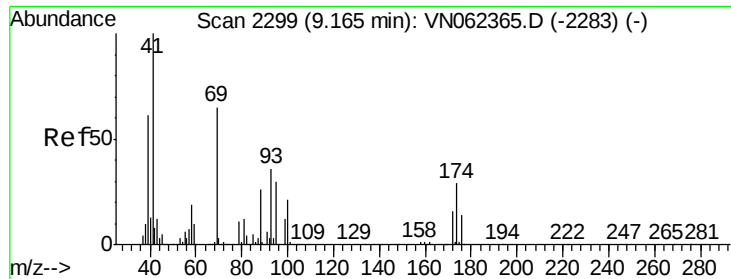
Ion 69.00 (68.70 to 69.70): VN062367.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062367.D (-2206) (-)

Time-->



Time-->



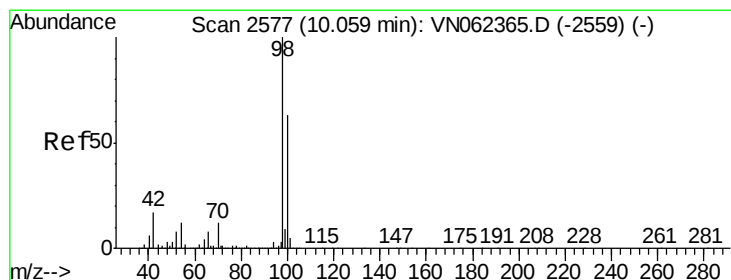
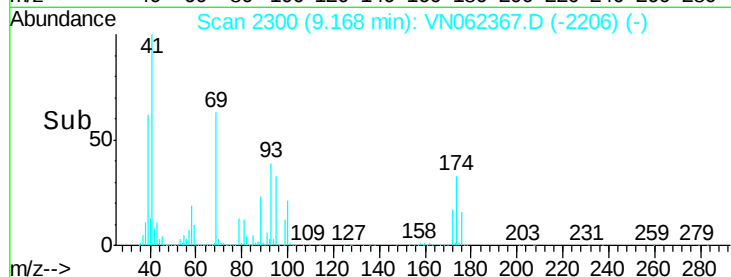
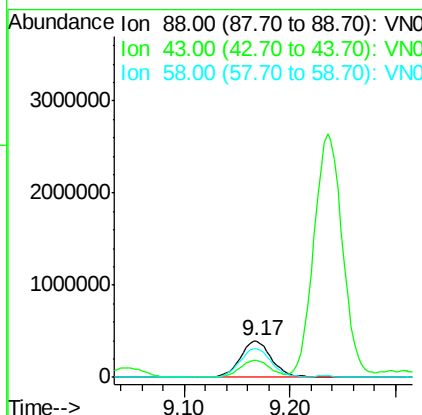
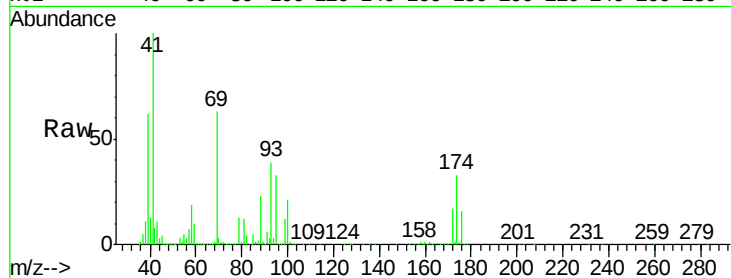
#49
1,4-Dioxane
Concen: 3146.141 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.6	34.0	51.0
58	78.4	63.0	94.4

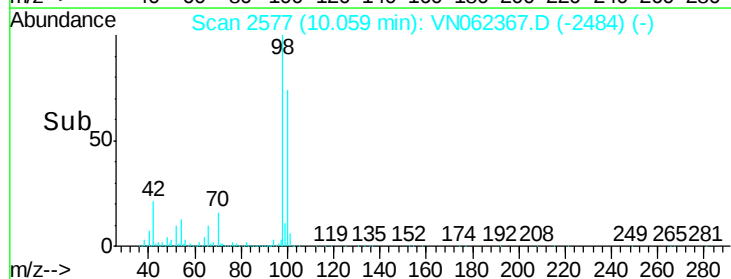
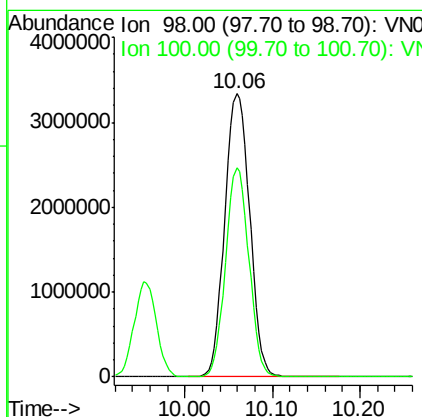
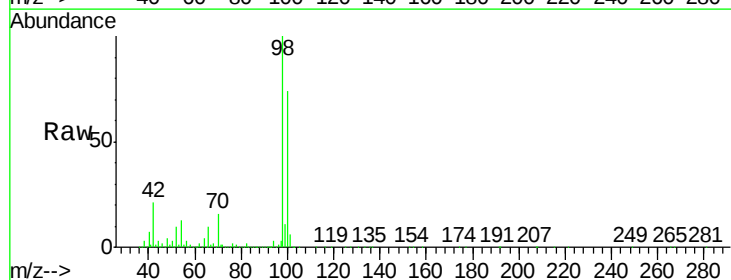
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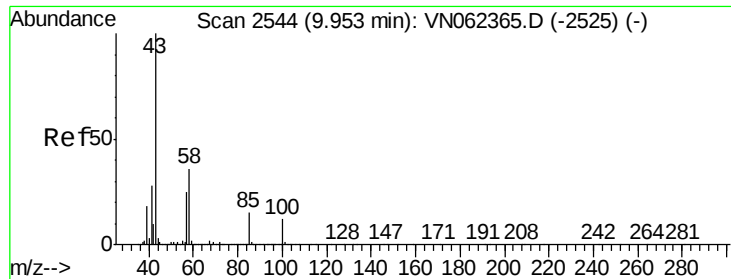
MMDadoda
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#50
Toluene-d8
Concen: 131.618 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.3	50.2	75.2





#51

4-Methyl-2-Pentanone

Concen: 683.469 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 11374649

Ion Ratio Lower Upper

43 100

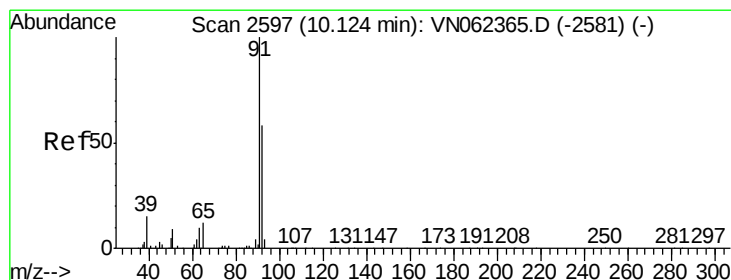
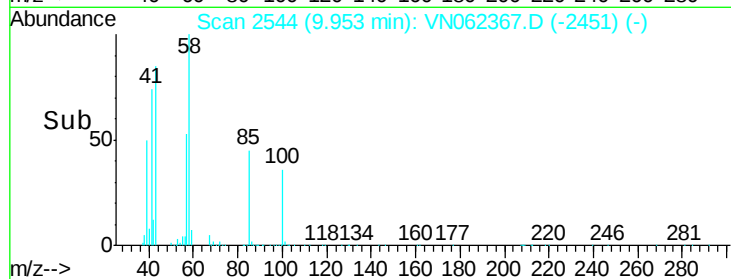
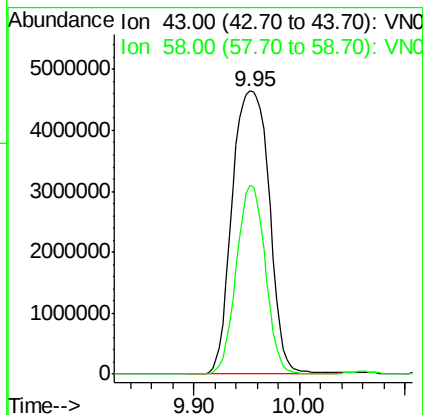
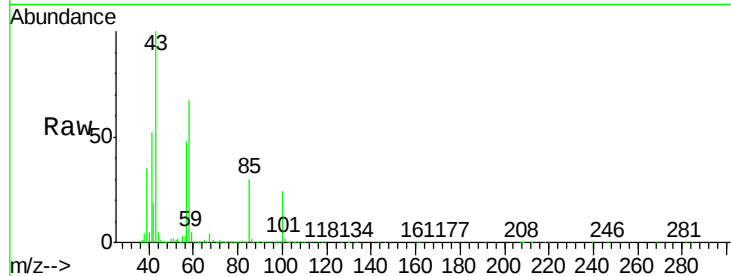
58 52.1 27.6 41.4#

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#52

Toluene

Concen: 140.165 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062367.D

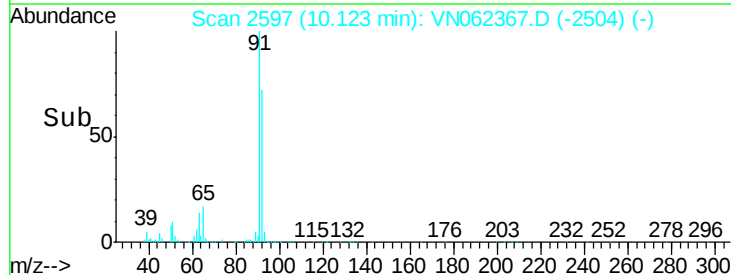
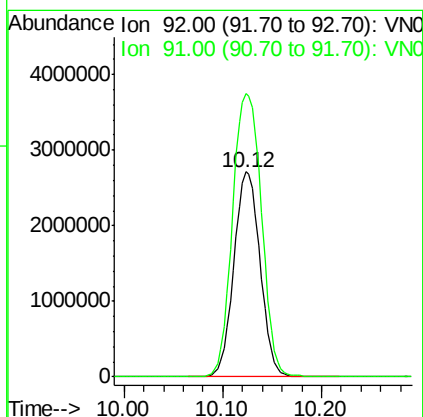
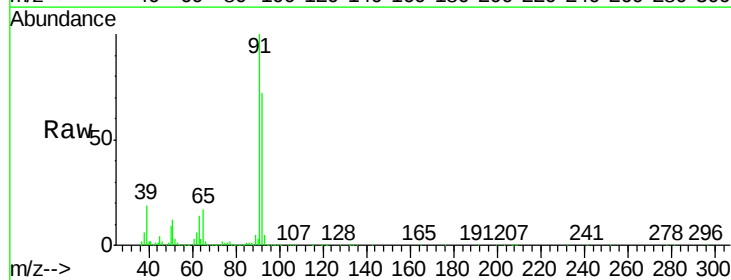
Acq: 6 Jul 2020 14:26

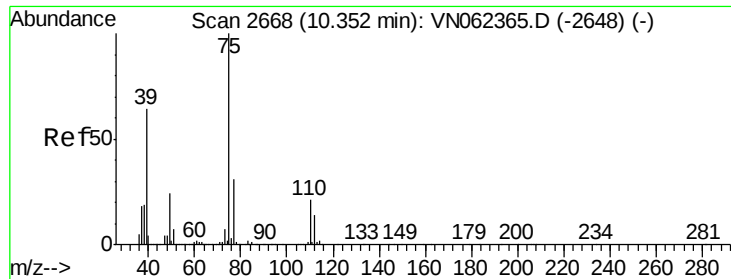
Tgt Ion: 92 Resp: 5006495

Ion Ratio Lower Upper

92 100

91 153.1 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 164.219 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 3674377

Ion Ratio Lower Upper

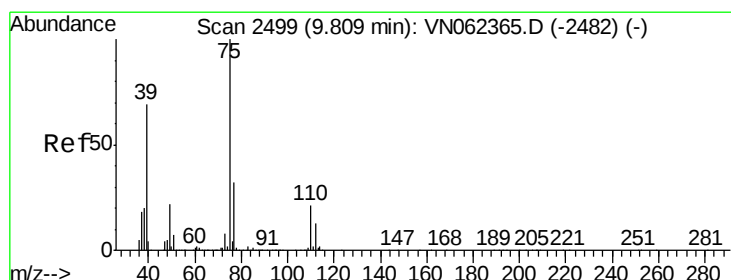
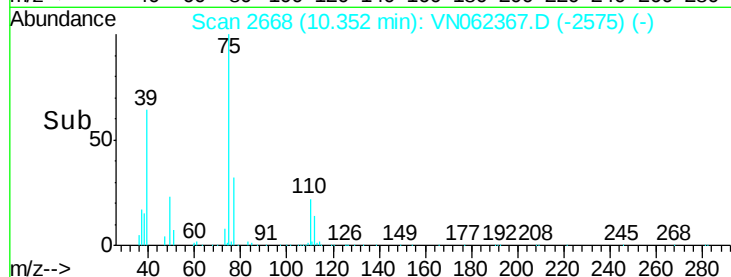
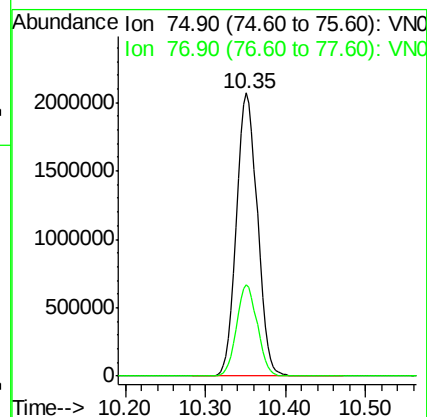
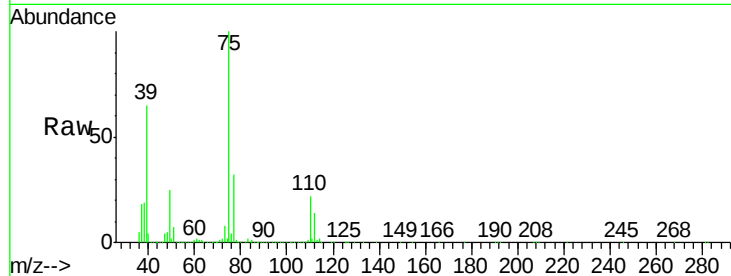
75 100

77 32.5 24.9 37.3

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#54

cis-1,3-Dichloropropene

Concen: 161.083 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

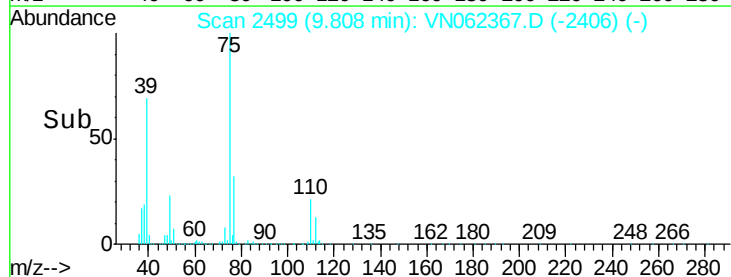
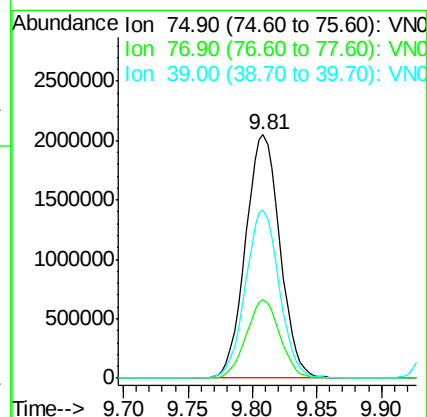
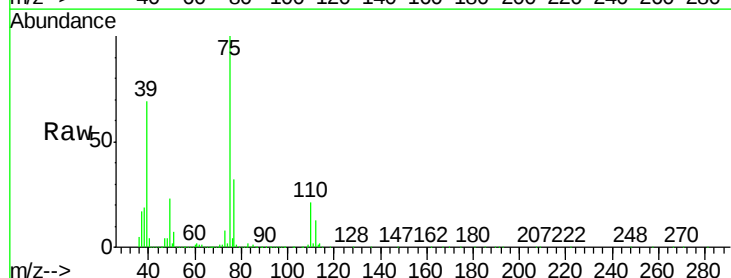
Tgt Ion: 75 Resp: 3811185

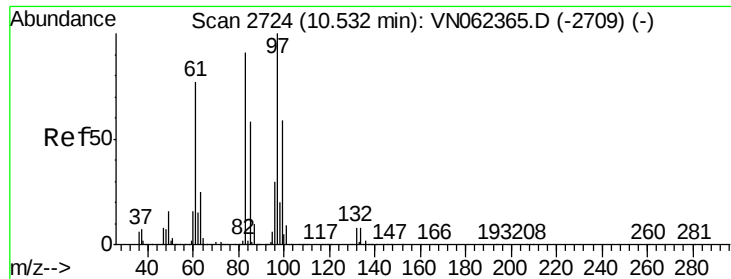
Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0

39 68.8 55.3 82.9





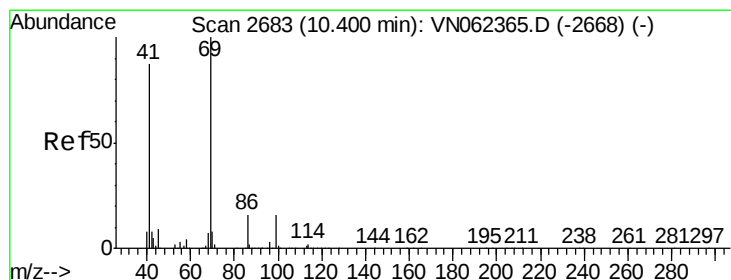
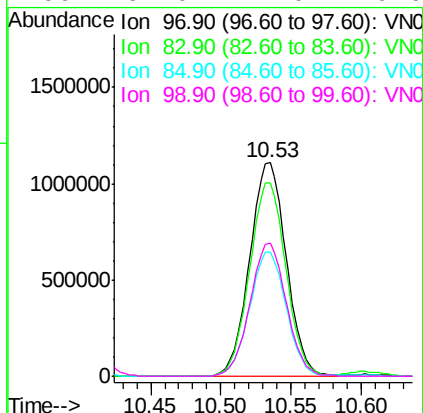
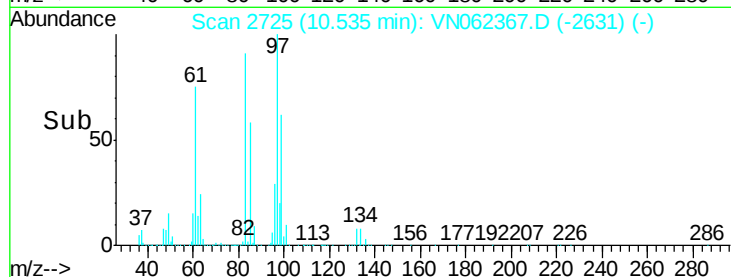
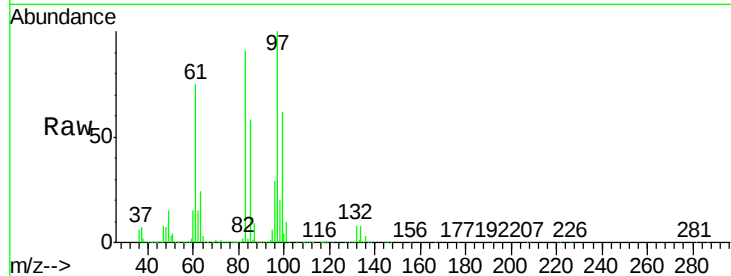
#55
 1,1,2-Trichloroethane
 Concen: 143.759 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.4	108.6
85	57.9	46.3	69.5
99	62.0	47.0	70.6

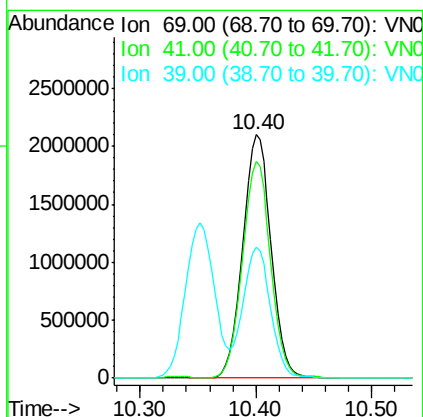
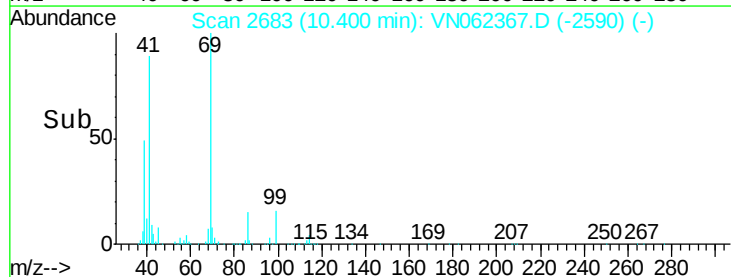
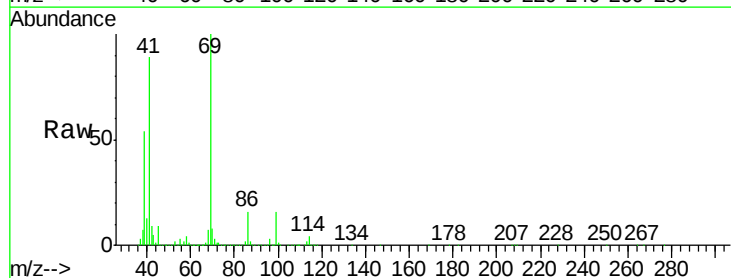
Manual Integrations
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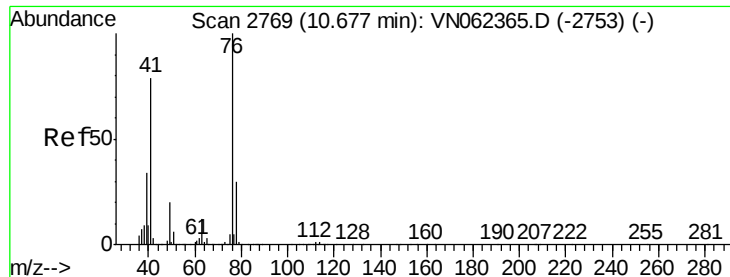
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#56
 Ethyl methacrylate
 Concen: 183.211 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	88.1	69.4	104.0
39	52.3	42.4	63.6





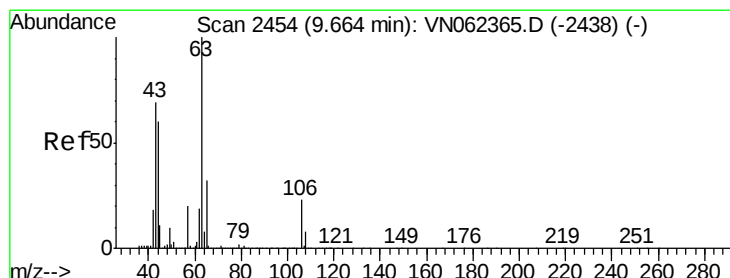
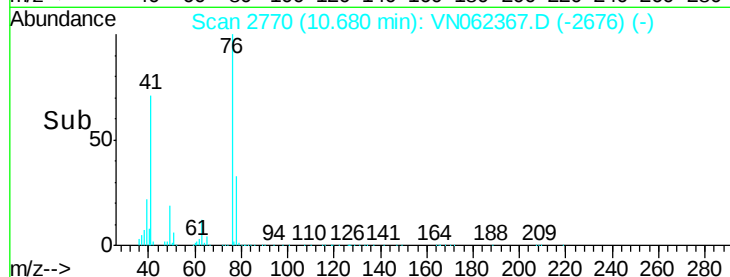
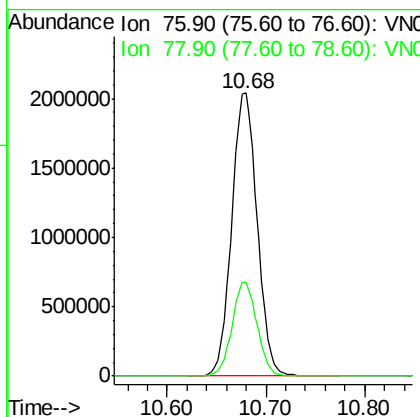
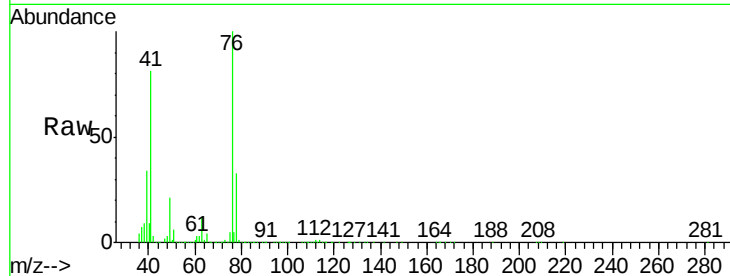
#57
 1,3-Dichloropropane
 Concen: 149.054 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 3663673
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.0 37.4

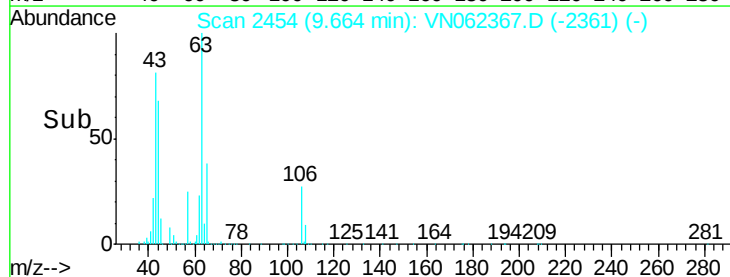
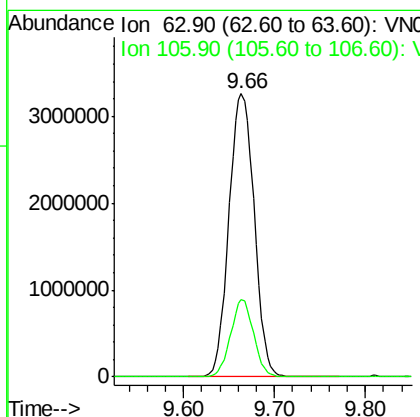
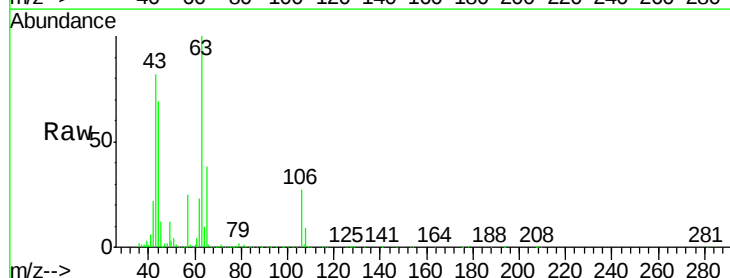
Manual Integrations
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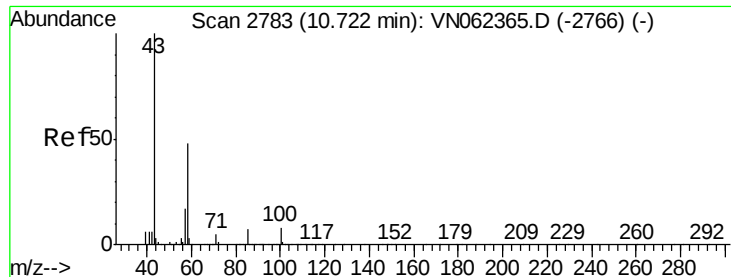
MMDadoda
 7/7/2020 10:08:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 861.826 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Tgt Ion: 63 Resp: 6294419
 Ion Ratio Lower Upper
 63 100
 106 24.8 18.0 27.0





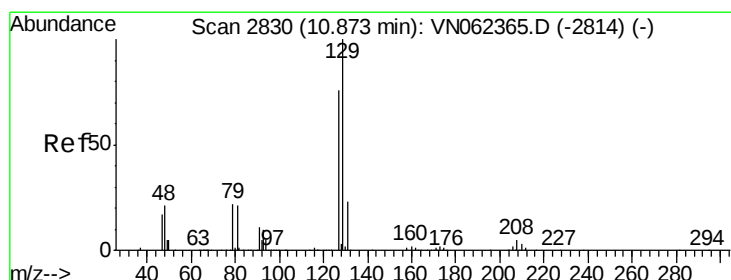
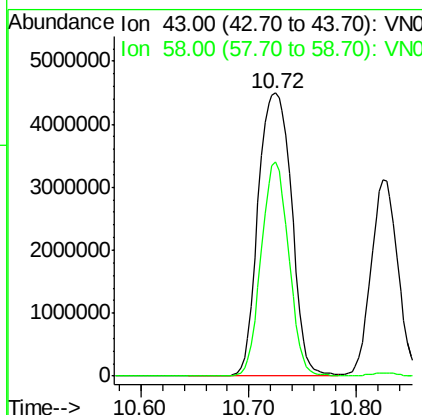
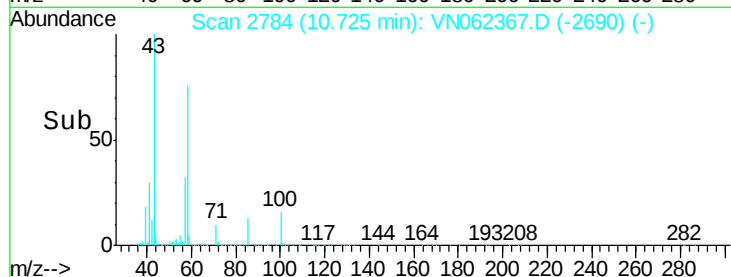
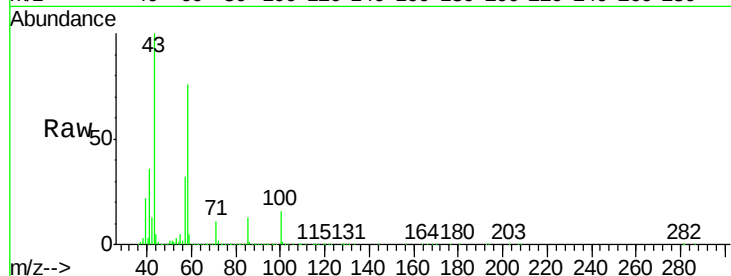
#59
2-Hexanone
Concen: 792.762 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 9629277
Ion Ratio Lower Upper
43 100
58 62.9 23.5 70.6

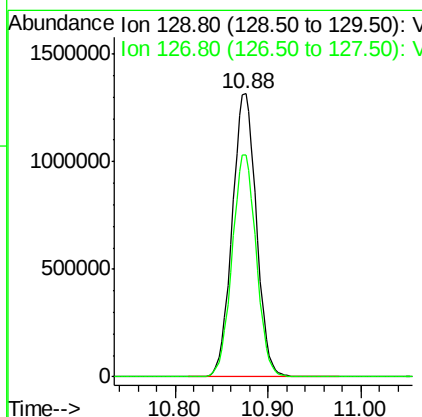
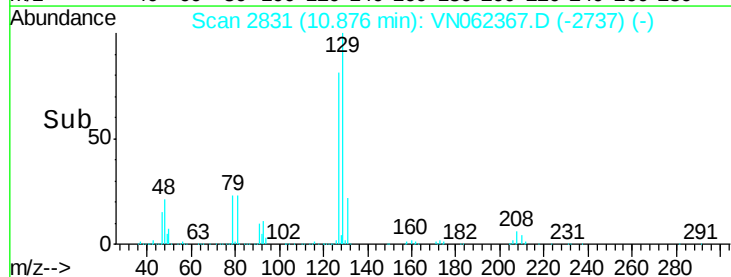
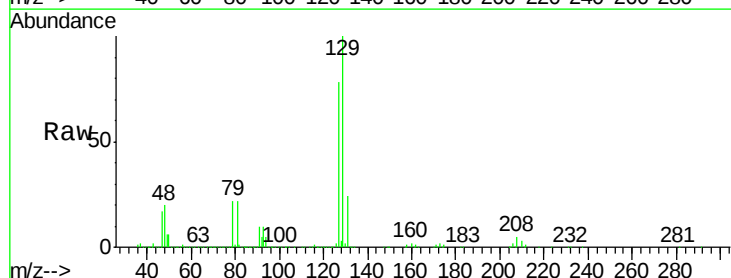
Manual Integrations
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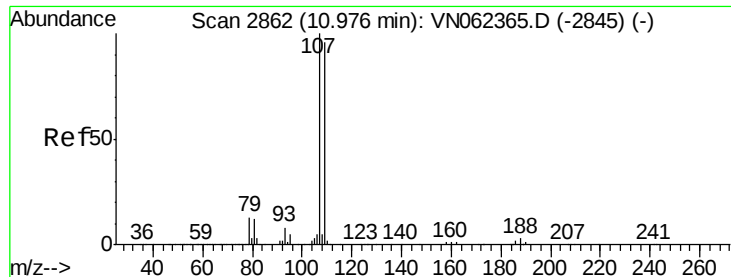
MMDadoda
7/7/2020 10:08:46 AM



#60
Dibromochloromethane
Concen: 157.441 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion: 129 Resp: 2376663
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.3





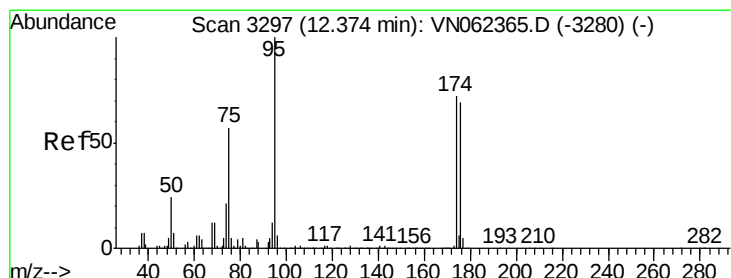
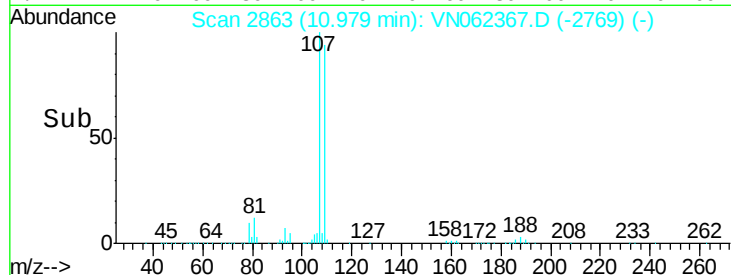
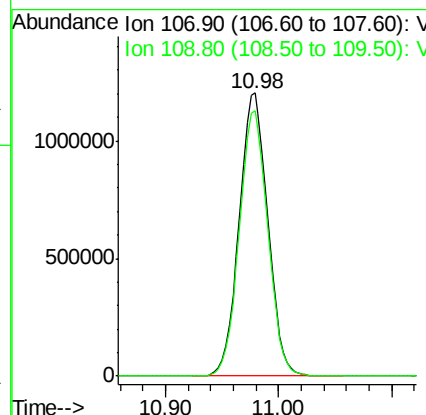
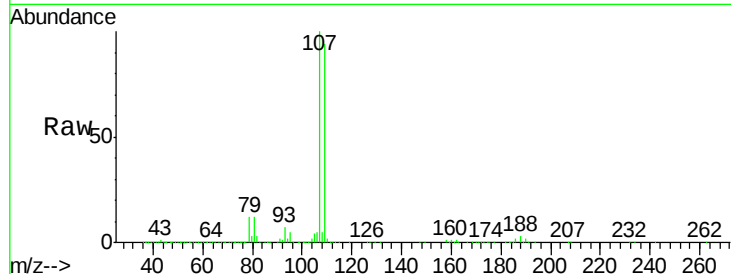
#61
 1,2-Dibromoethane
 Concen: 147.133 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:107 Resp: 2126209
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.4 114.6

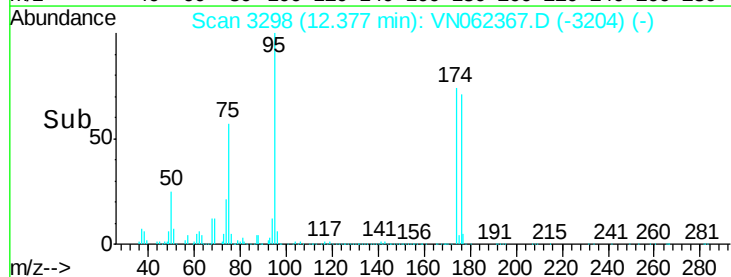
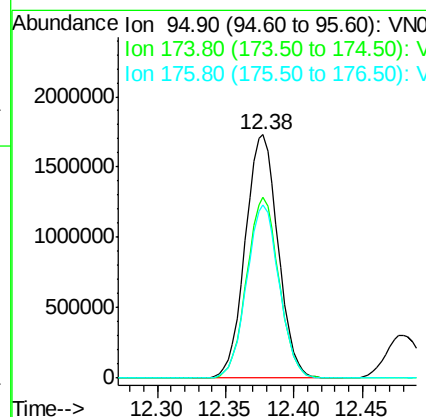
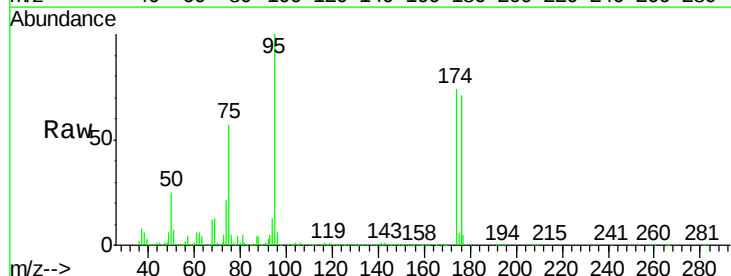
Manual Integrations
 APPROVED

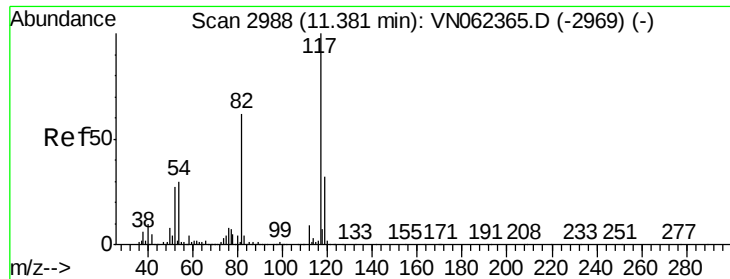
MMDadoda
 7/7/2020 10:08:46 AM



#62
 4-Bromofluorobenzene
 Concen: 165.595 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Tgt Ion: 95 Resp: 2882953
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 145.8
 176 70.7 0.0 140.2





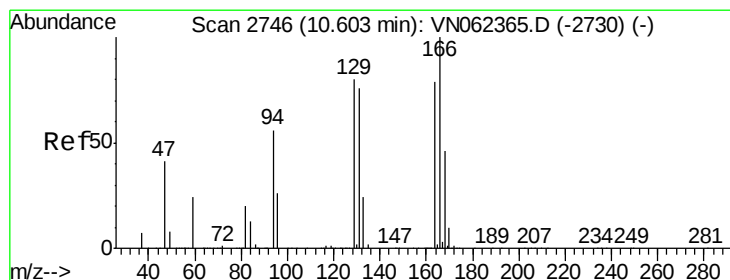
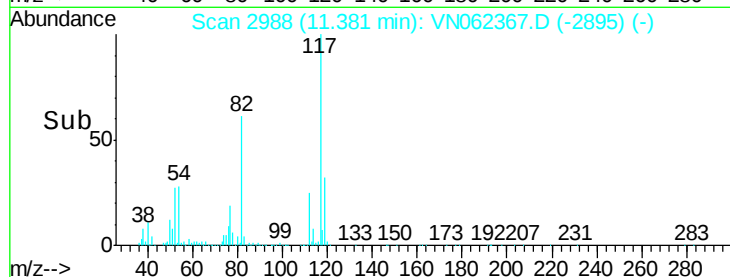
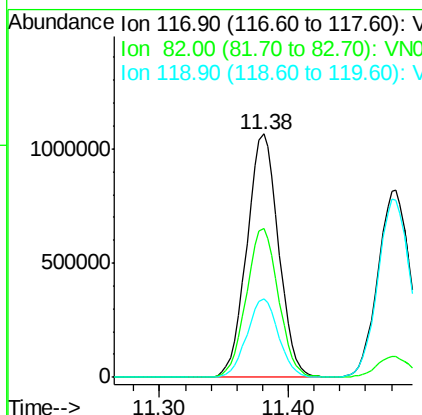
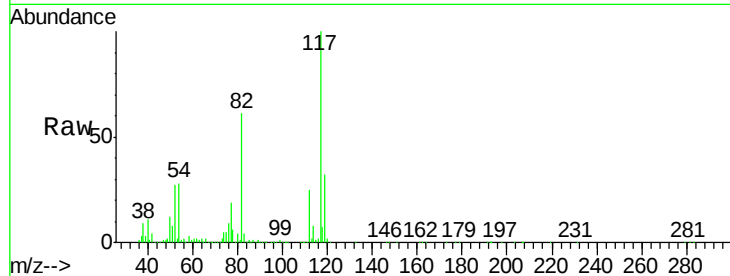
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.4	74.2
119	32.2	25.6	38.4

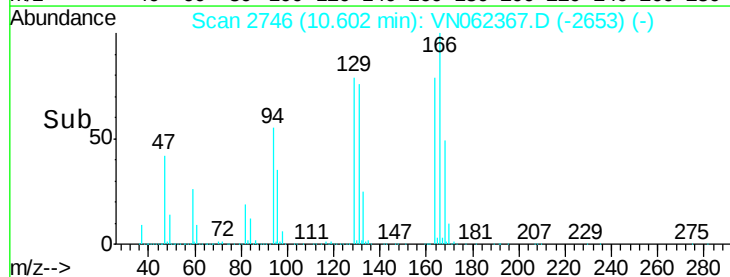
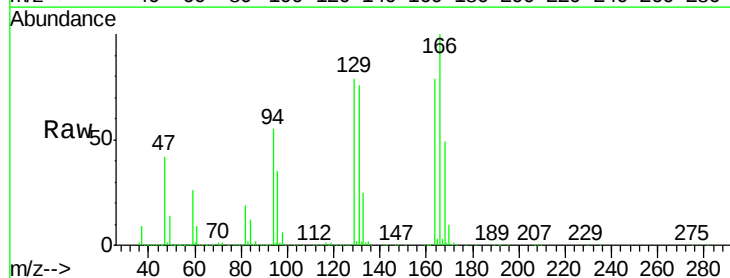
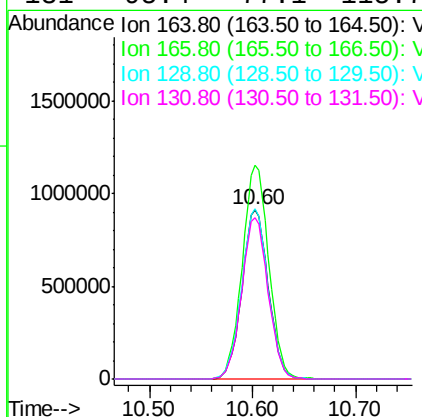
Manual Integrations
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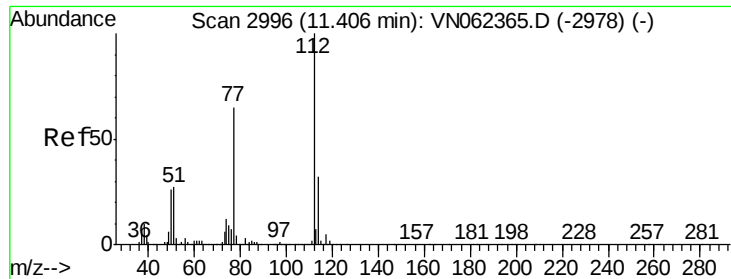
MMDadoda
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#64
Tetrachloroethene
Concen: 130.617 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	101.6	152.4
129	100.3	81.4	122.2
131	95.4	77.1	115.7





#65

Chlorobenzene

Concen: 128.282 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 5124913

Ion Ratio Lower Upper

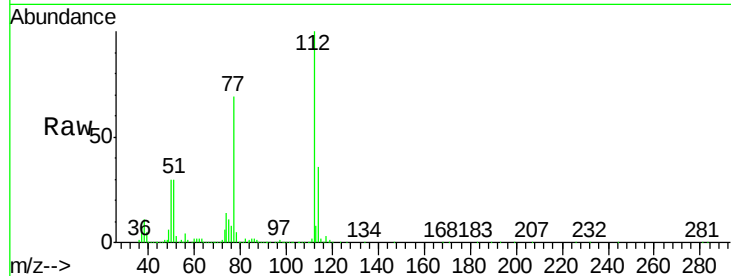
112 100

114 35.7 25.8 38.8

Manual Integrations
APPROVED

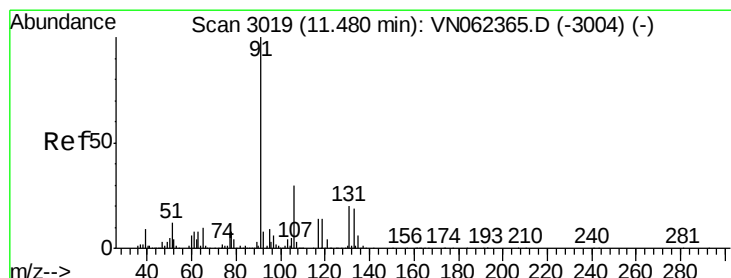
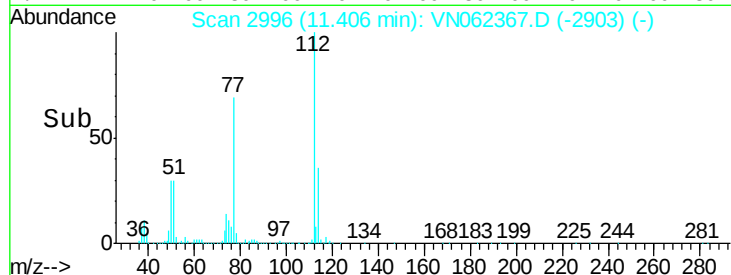
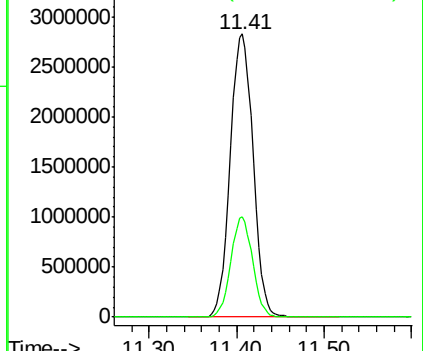
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 148.208 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

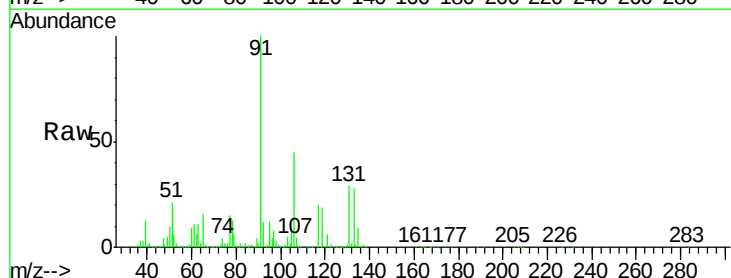
Tgt Ion:131 Resp: 2067138

Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.9

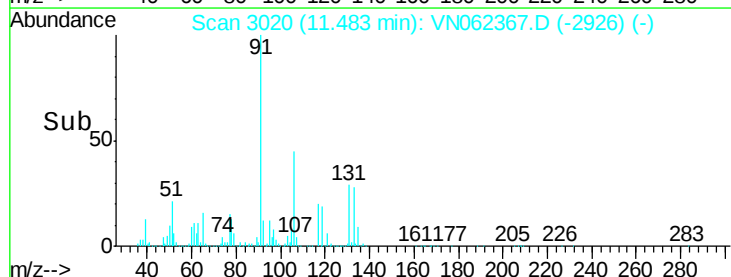
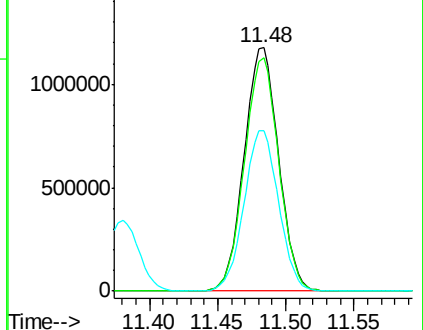
119 65.9 33.3 99.9

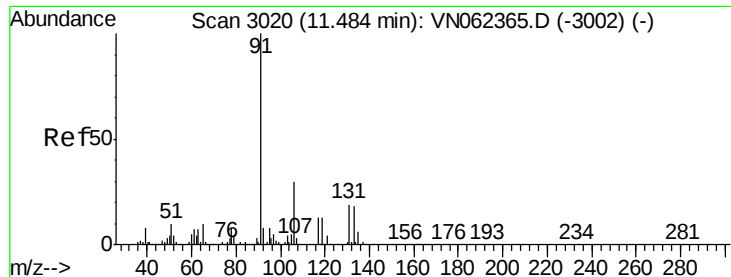


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 117.590 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 7998654

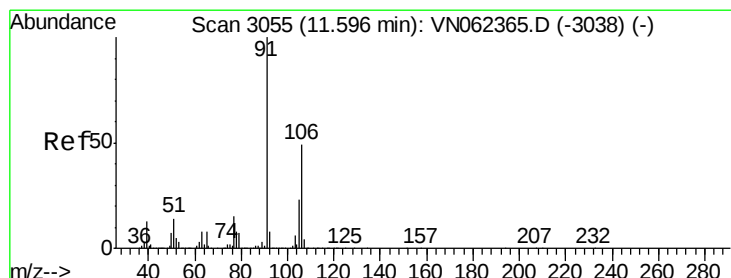
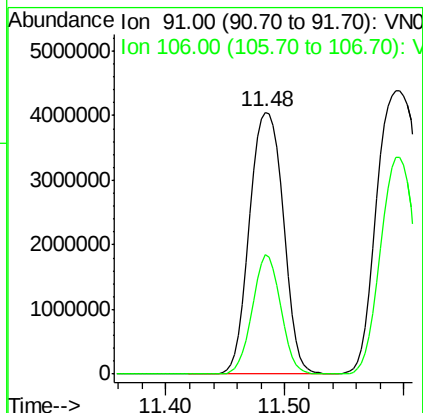
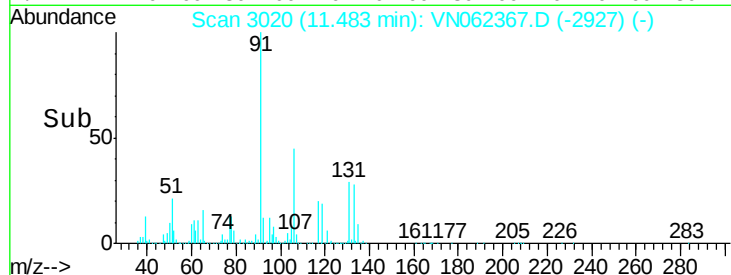
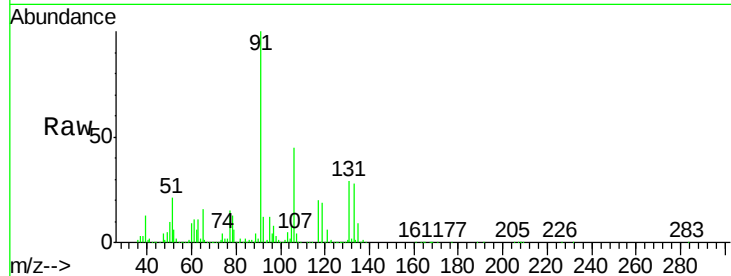
Ion Ratio Lower Upper

91 100

106 45.4 24.2 36.2#

Manual Integrations
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#68

m/p-Xylenes

Concen: 266.472 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062367.D

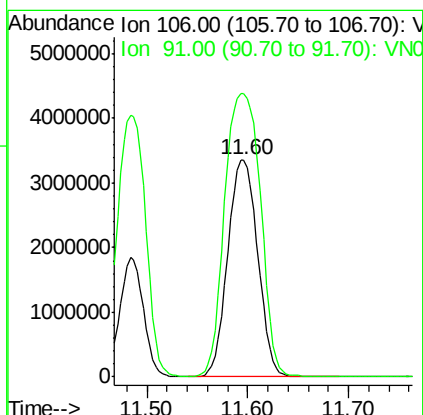
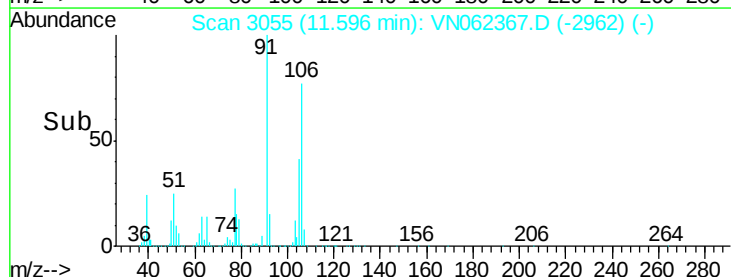
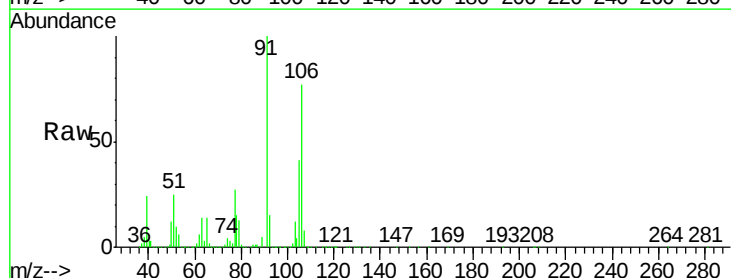
Acq: 6 Jul 2020 14:26

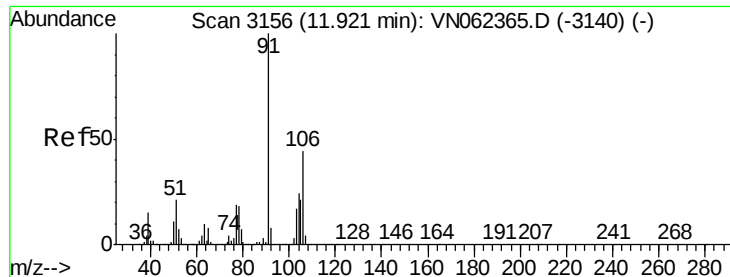
Tgt Ion: 106 Resp: 6938938

Ion Ratio Lower Upper

106 100

91 156.2 165.4 248.2#





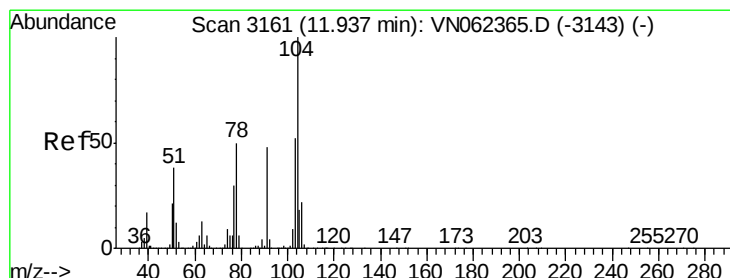
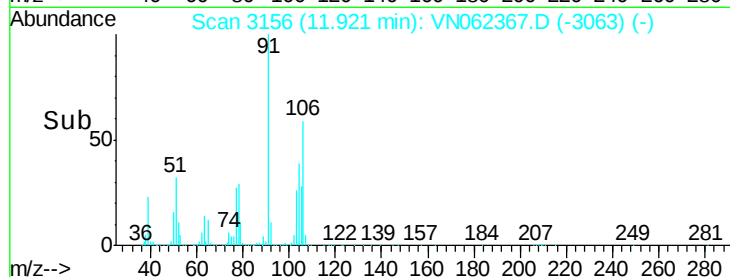
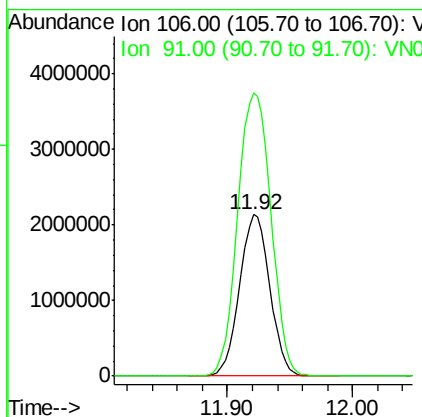
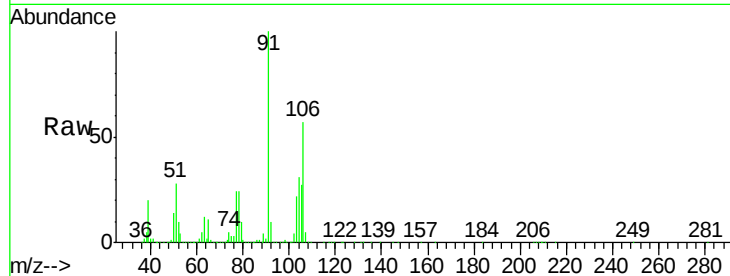
#69
o-Xylene
Concen: 145.872 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 3581982
Ion Ratio Lower Upper
106 100
91 193.5 113.1 339.4

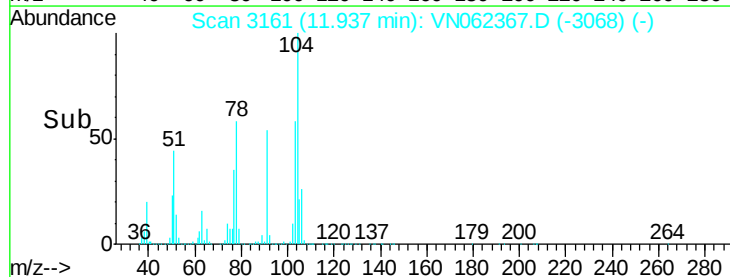
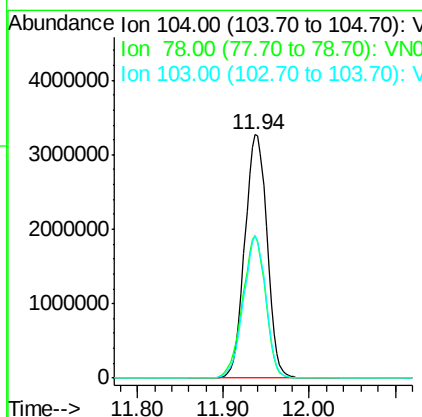
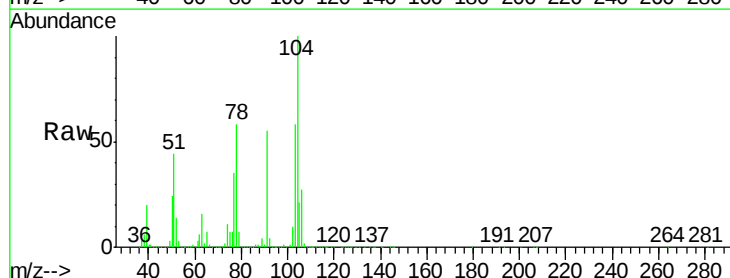
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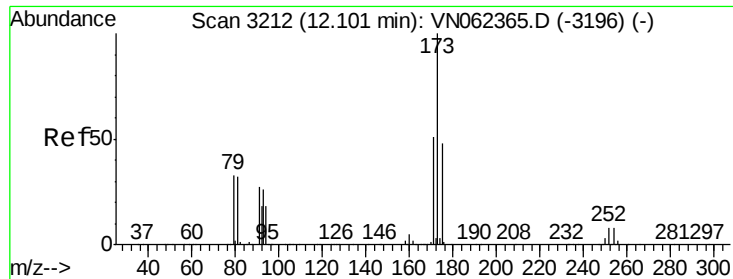
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#70
Styrene
Concen: 143.321 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion:104 Resp: 5881629
Ion Ratio Lower Upper
104 100
78 60.4 44.8 67.2
103 58.9 45.0 67.4





#71

Bromoform

Concen: 170.564 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1716276

Ion Ratio Lower Upper

173 100

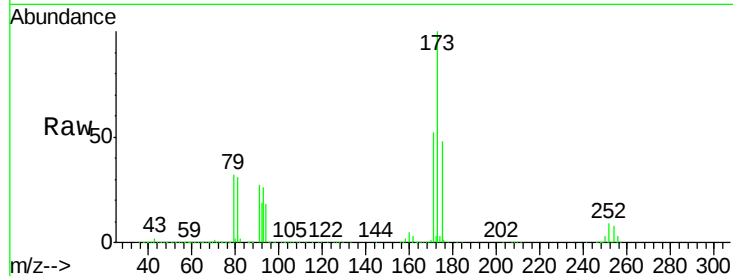
175 48.3 24.1 72.2

254 0.2 0.2 0.2#

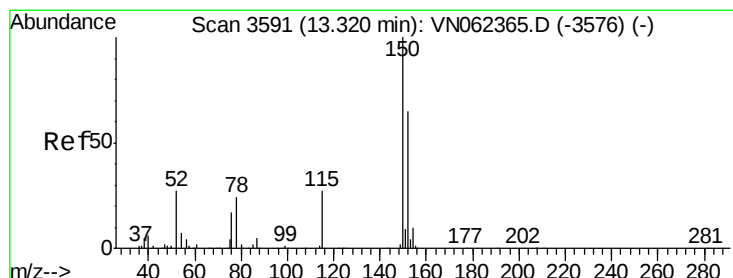
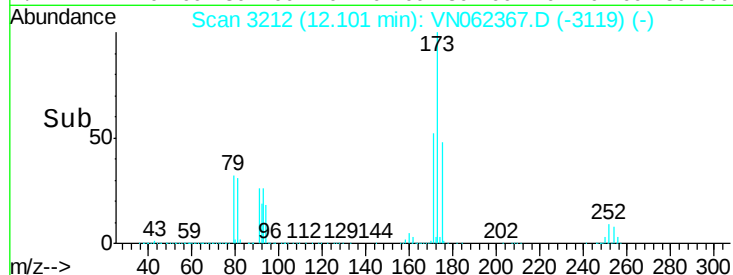
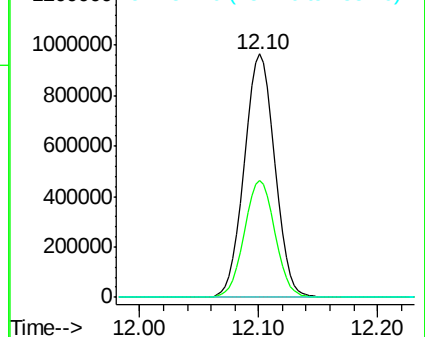
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

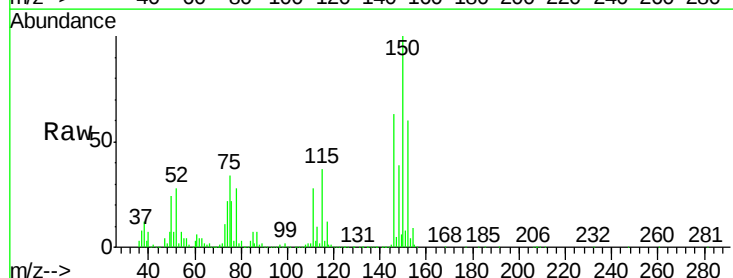
Tgt Ion:152 Resp: 944732

Ion Ratio Lower Upper

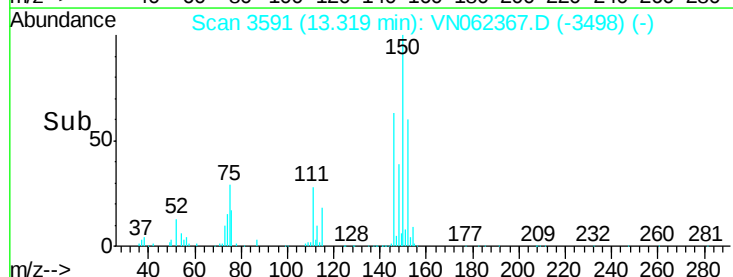
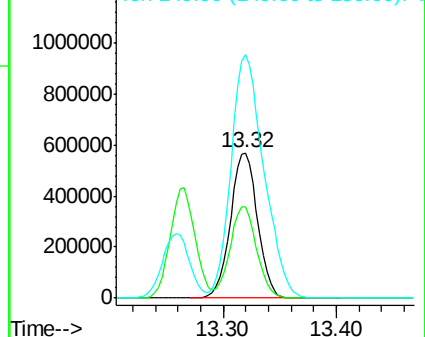
152 100

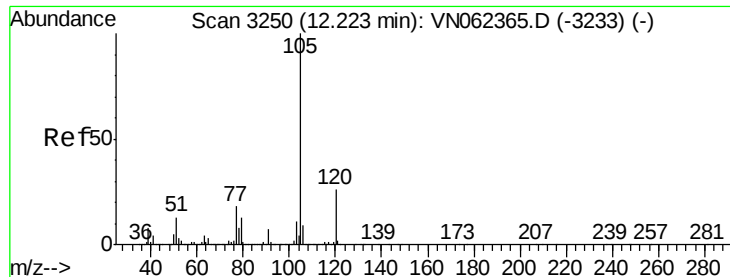
115 62.0 30.5 91.5

150 204.1 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 107.380 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 7832144

Ion Ratio Lower Upper

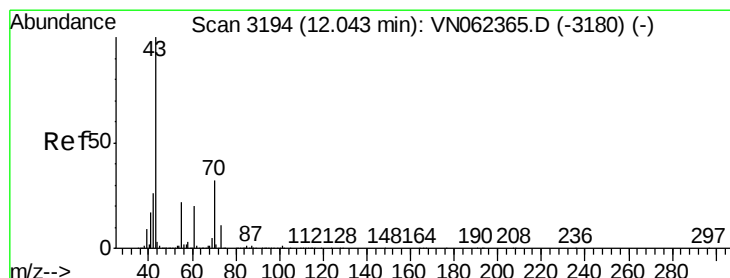
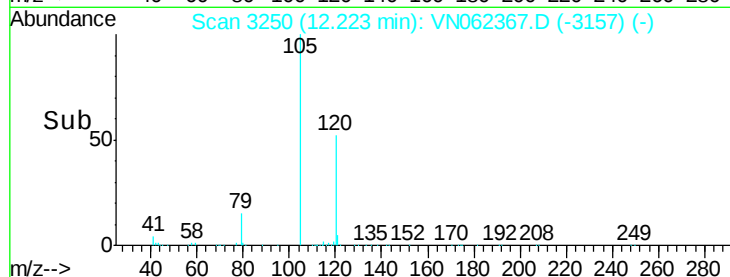
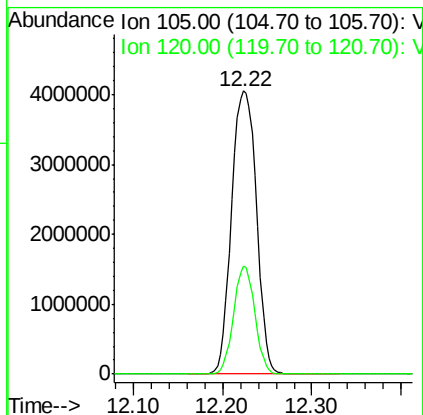
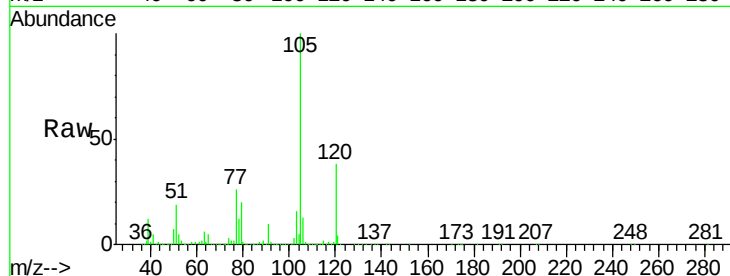
105 100

120 32.6 12.8 38.3

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#74

N-ethyl acetate

Concen: 207.036 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Tgt Ion: 43 Resp: 5470832

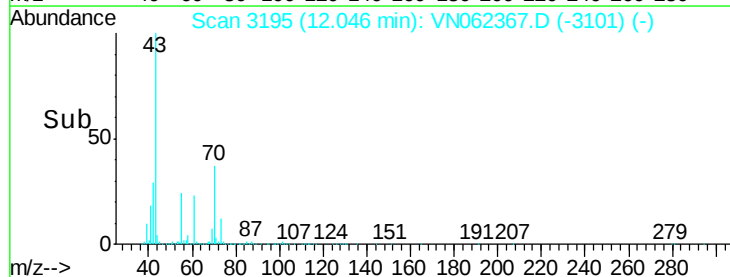
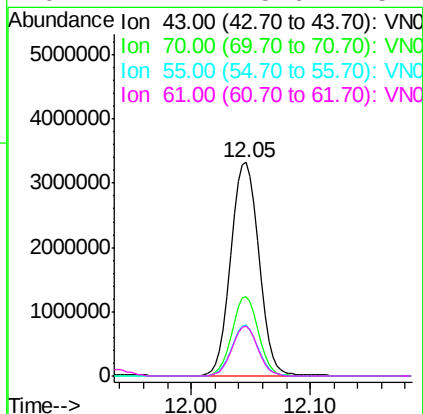
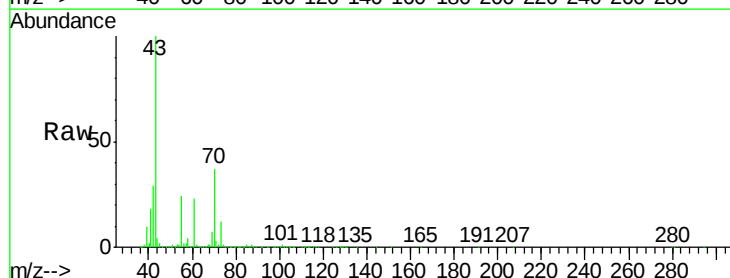
Ion Ratio Lower Upper

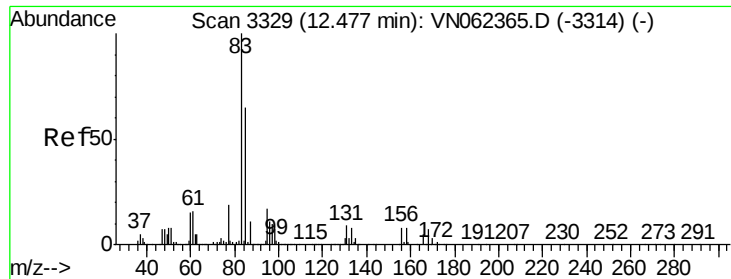
43 100

70 34.9 25.9 38.9

55 22.3 17.4 26.0

61 21.7 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 128.605 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 3145545

Ion Ratio Lower Upper

83 100

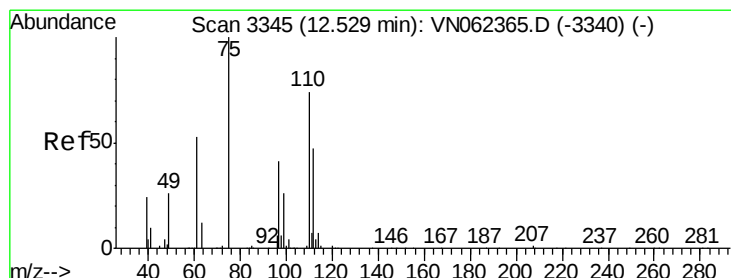
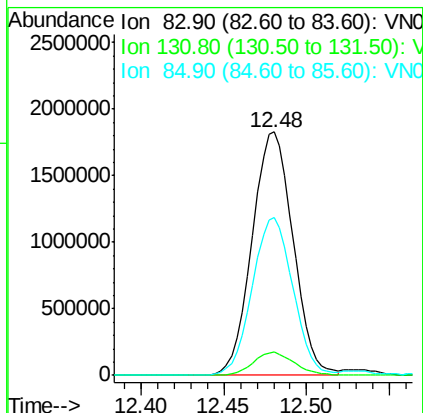
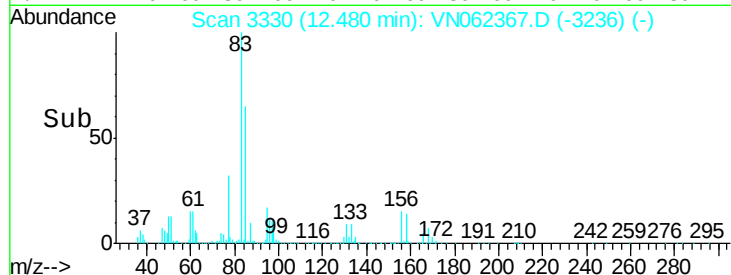
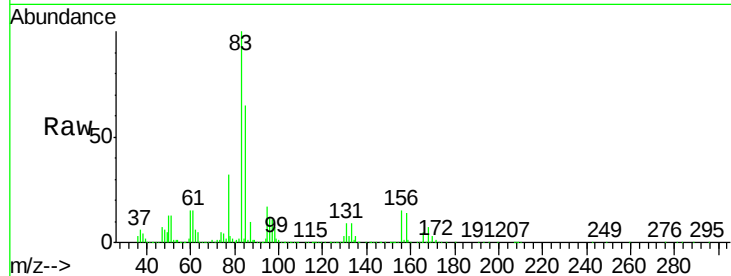
131 9.5 4.8 14.3

85 64.2 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 131.589 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062367.D

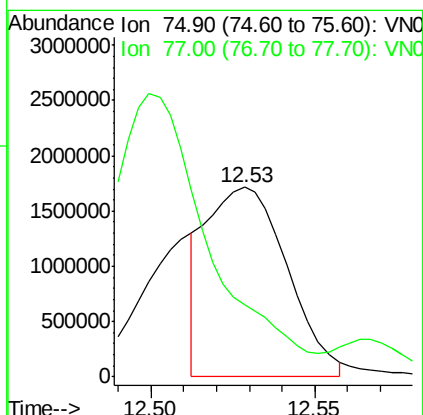
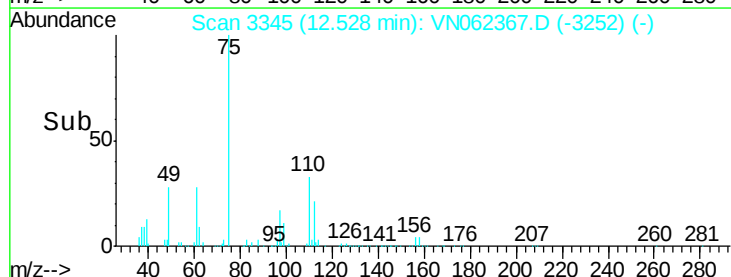
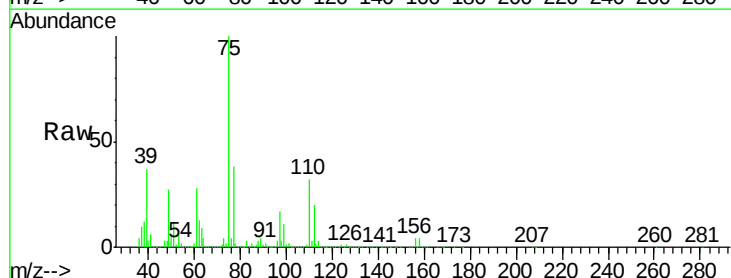
Acq: 6 Jul 2020 14:26

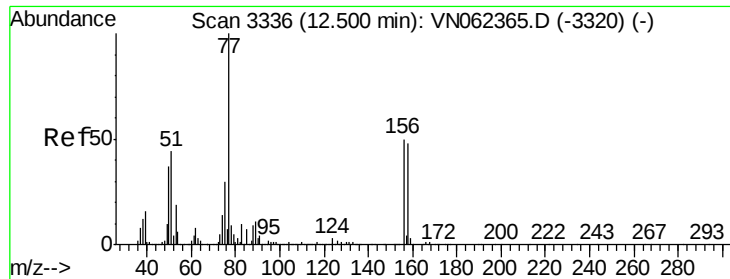
Tgt Ion: 75 Resp: 2931440

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 130.500 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 2348888

Ion Ratio Lower Upper

156 100

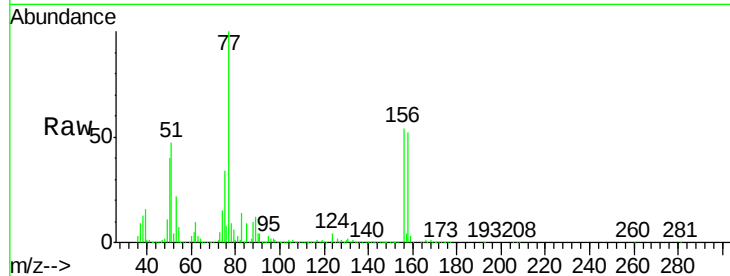
77 232.1 123.3 369.8

158 97.4 49.6 148.8

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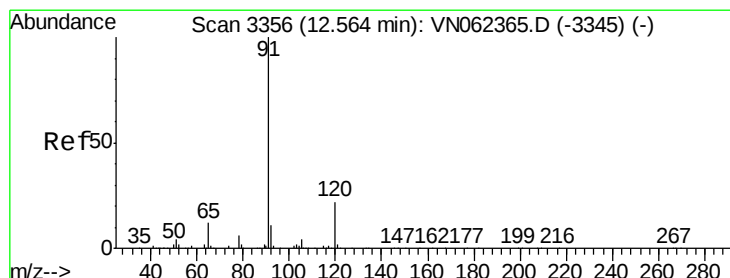
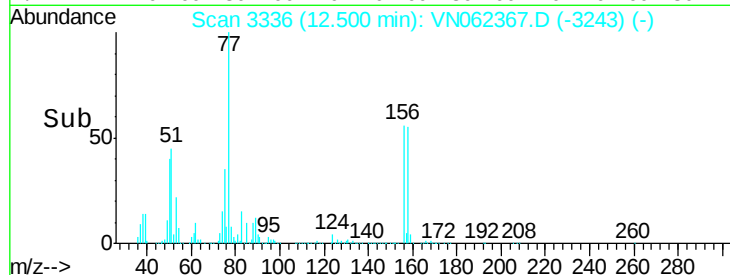
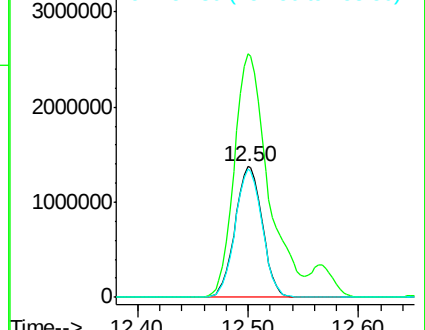
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 102.884 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062367.D

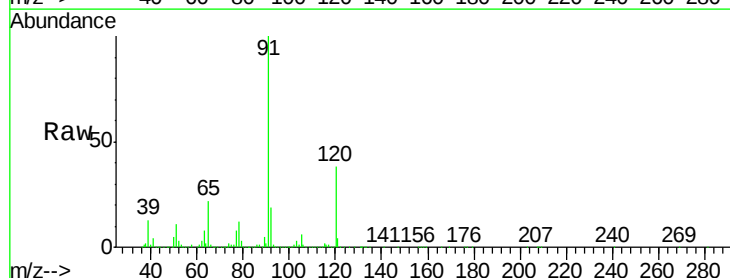
Acq: 6 Jul 2020 14:26

Tgt Ion: 91 Resp: 8610635

Ion Ratio Lower Upper

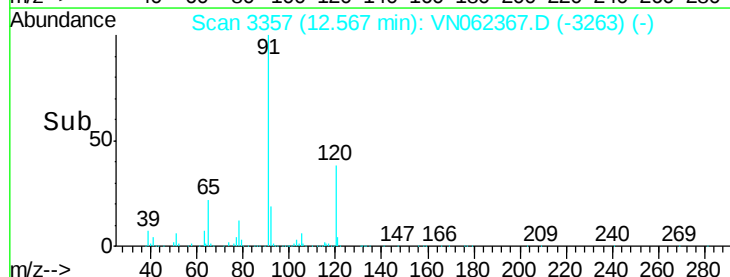
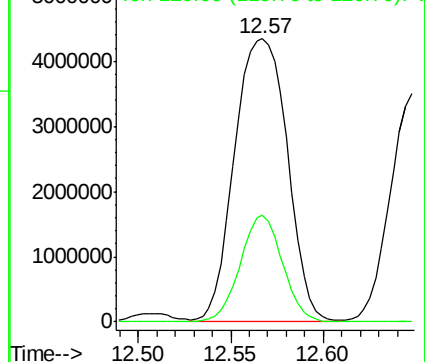
91 100

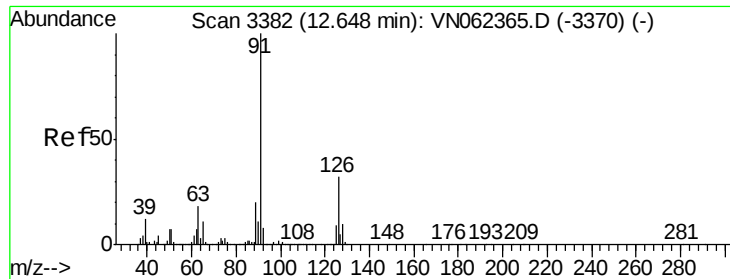
120 30.2 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





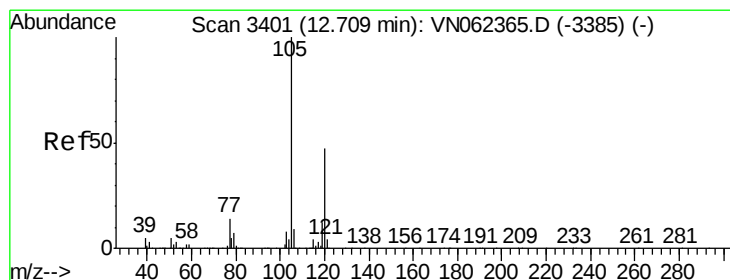
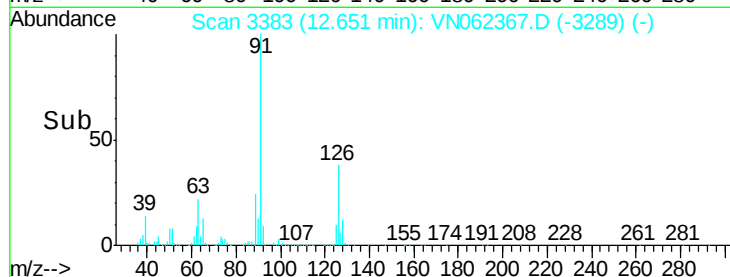
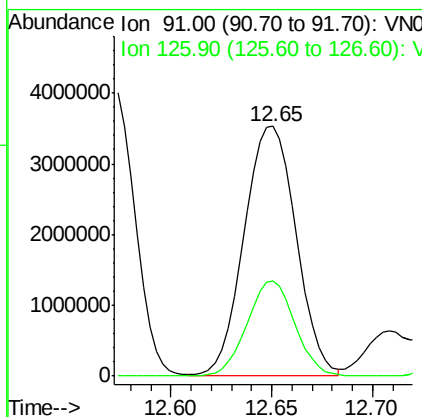
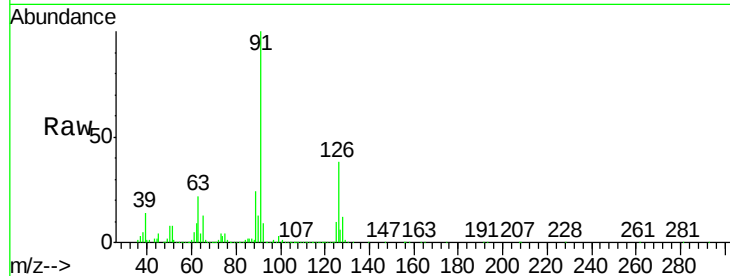
#79
 2-Chlorotoluene
 Concen: 125.322 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 6373015
 Ion Ratio Lower Upper
 91 100
 126 35.1 15.8 47.4

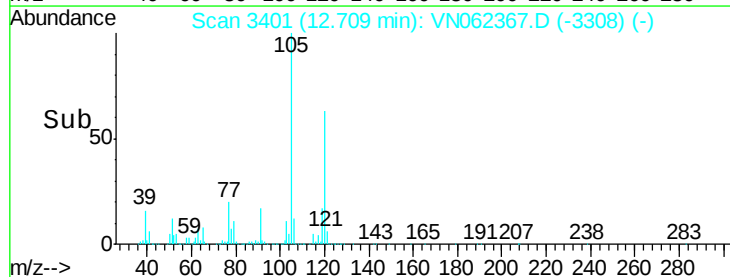
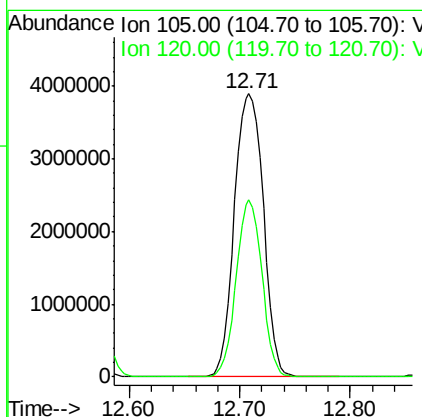
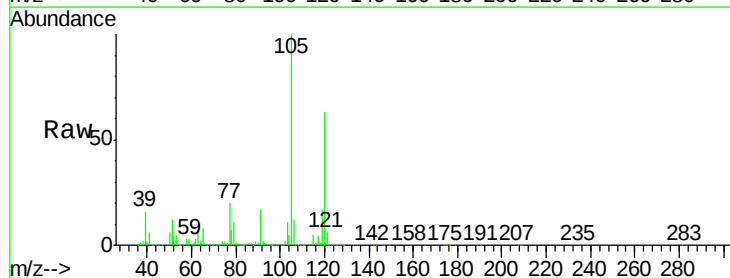
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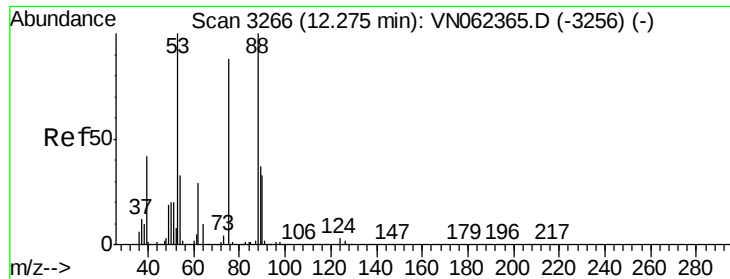
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#80
 1,3,5-Trimethylbenzene
 Concen: 119.234 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Tgt Ion: 105 Resp: 7088638
 Ion Ratio Lower Upper
 105 100
 120 55.7 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 162.284 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 1250071

Ion Ratio Lower Upper

75 100

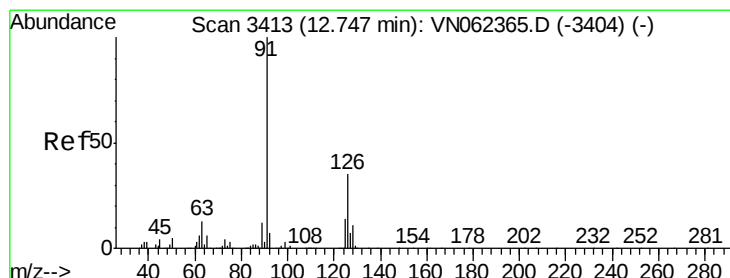
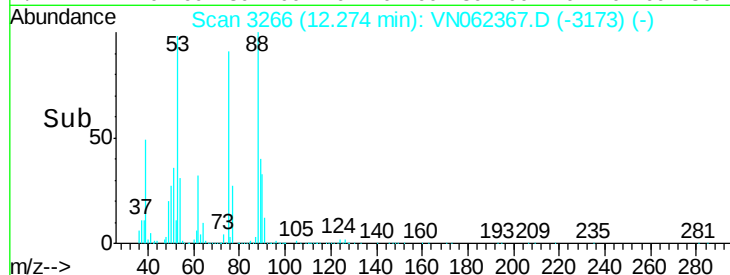
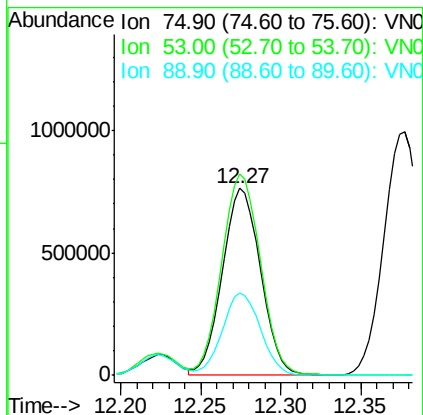
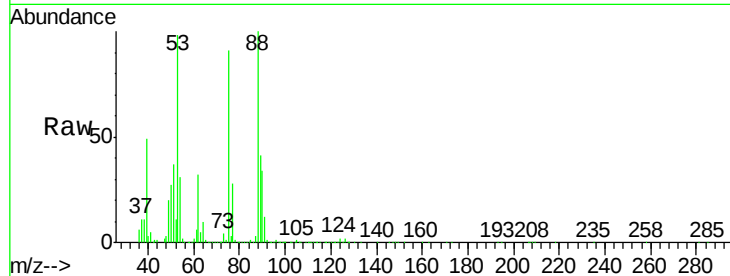
53 109.2 92.3 138.5

89 43.7 37.0 55.4

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#82

4-Chlorotoluene

Concen: 126.608 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062367.D

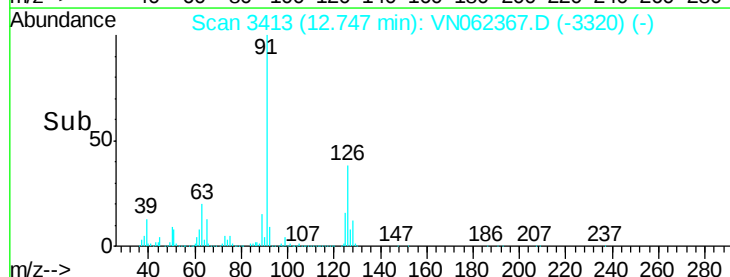
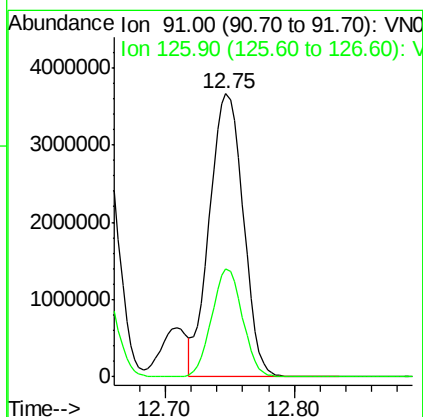
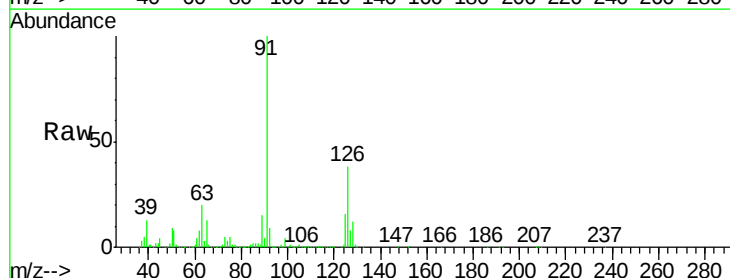
Acq: 6 Jul 2020 14:26

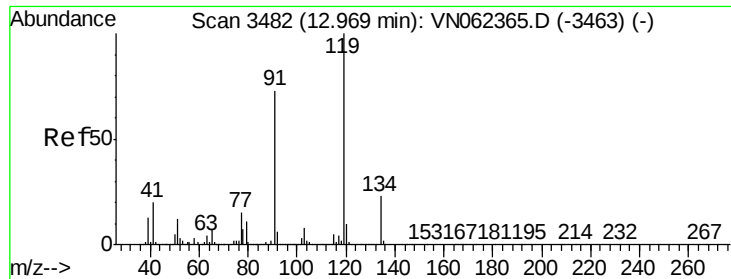
Tgt Ion: 91 Resp: 6657970

Ion Ratio Lower Upper

91 100

126 34.7 15.6 46.7





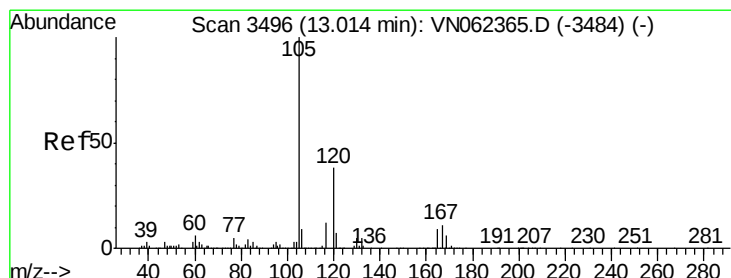
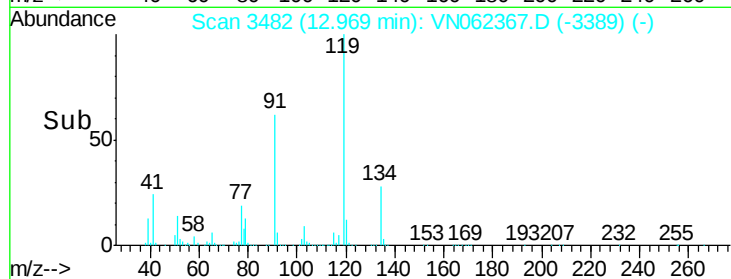
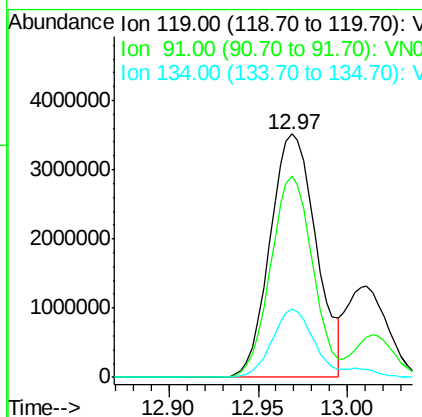
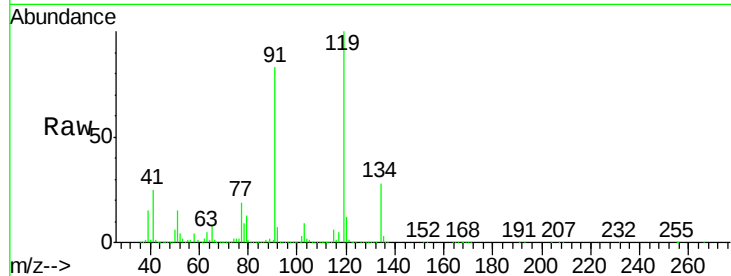
#83
tert-Butylbenzene
Concen: 125.573 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 6353371
Ion Ratio Lower Upper
119 100
91 76.0 36.4 109.1
134 25.6 11.7 35.0

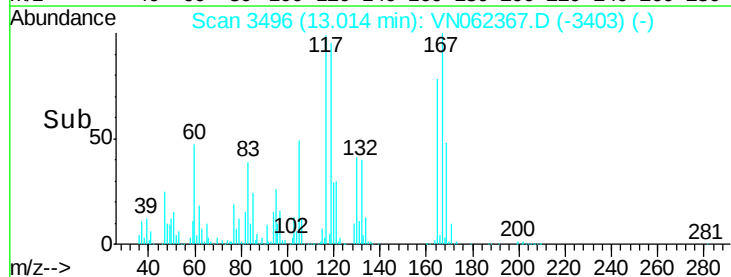
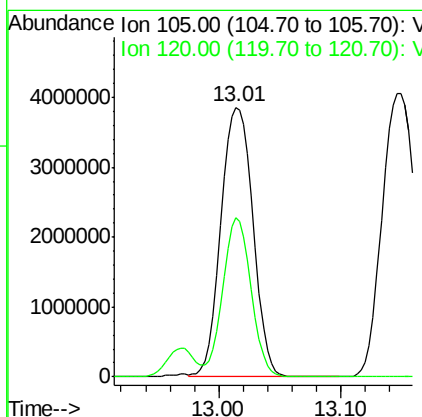
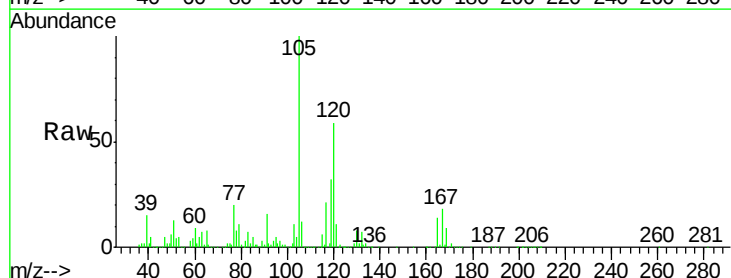
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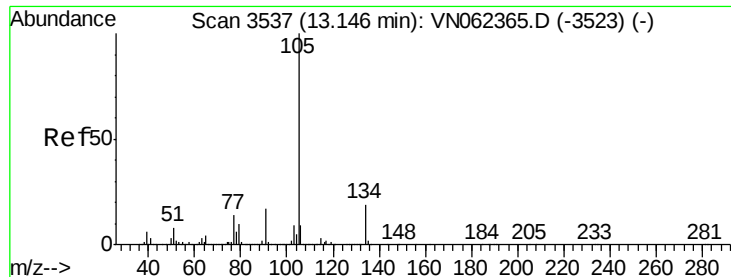
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#84
1,2,4-Trimethylbenzene
Concen: 120.157 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion:105 Resp: 7117484
Ion Ratio Lower Upper
105 100
120 52.3 22.1 66.3





#85

sec-Butylbenzene

Concen: 113.542 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 7629003

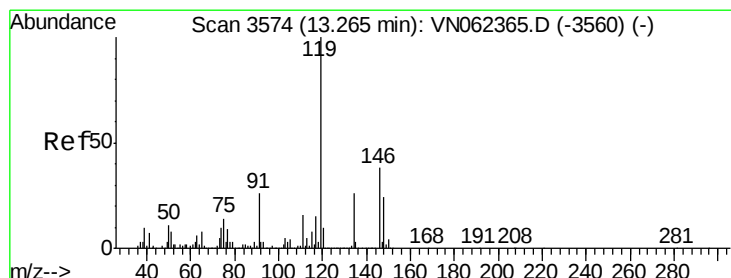
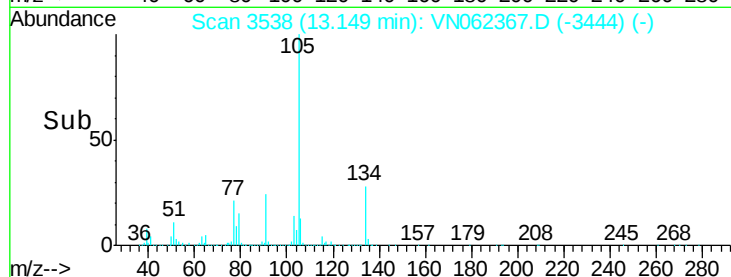
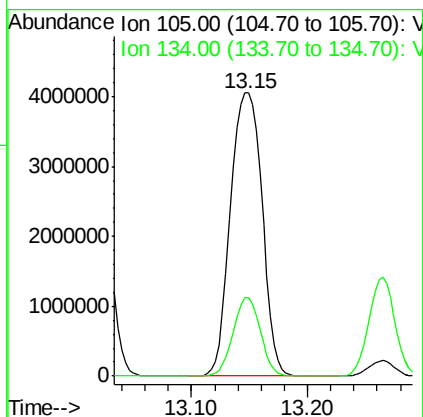
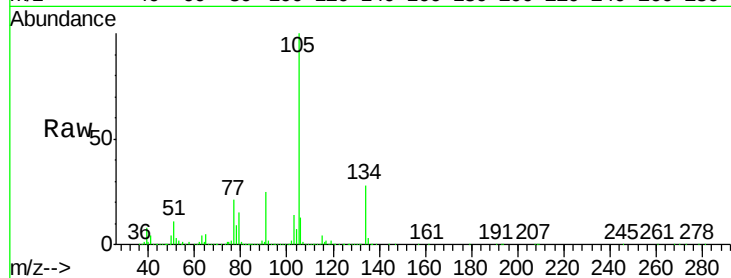
Ion Ratio Lower Upper

105 100

134 23.9 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 119.478 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

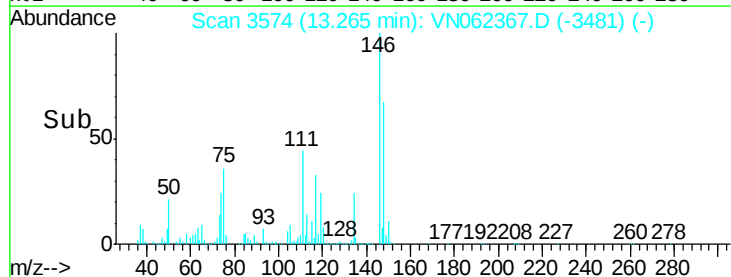
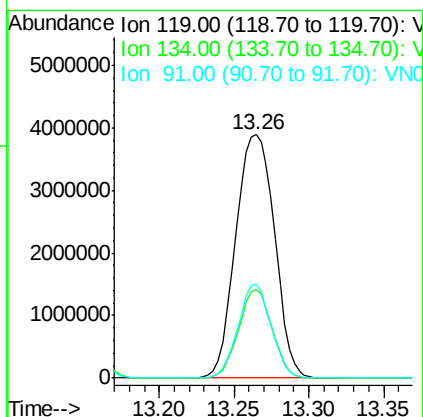
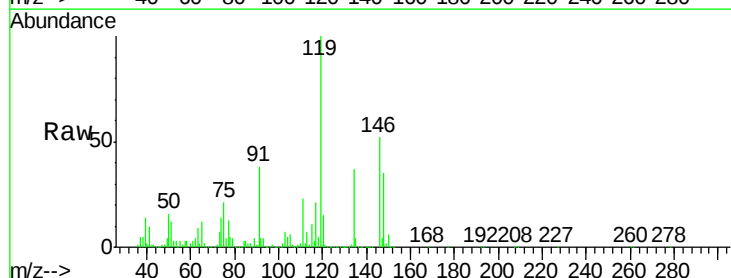
Tgt Ion:119 Resp: 7017560

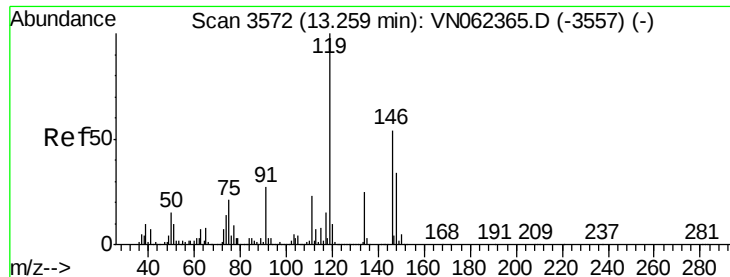
Ion Ratio Lower Upper

119 100

134 31.5 12.7 38.1

91 32.8 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 131.096 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

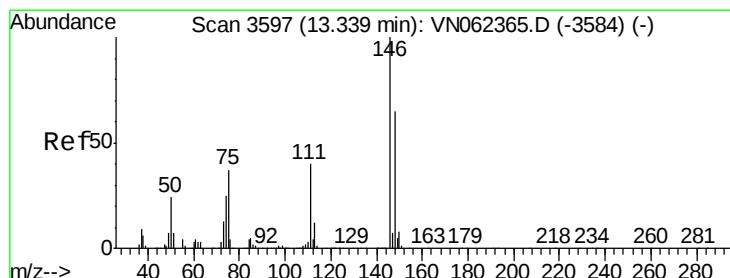
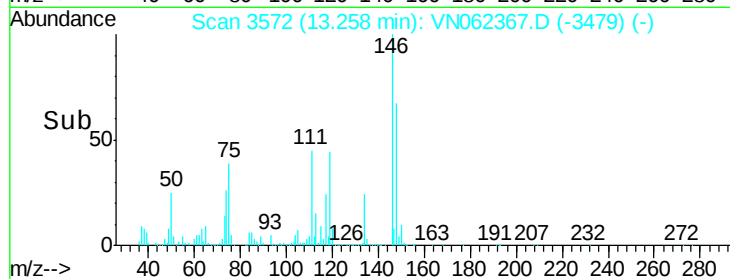
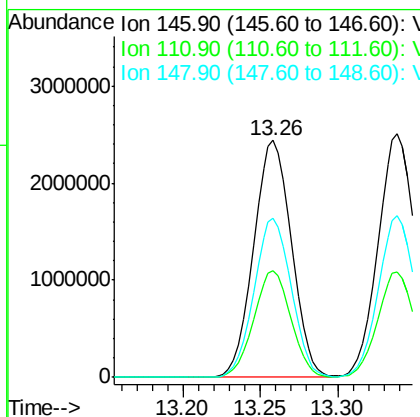
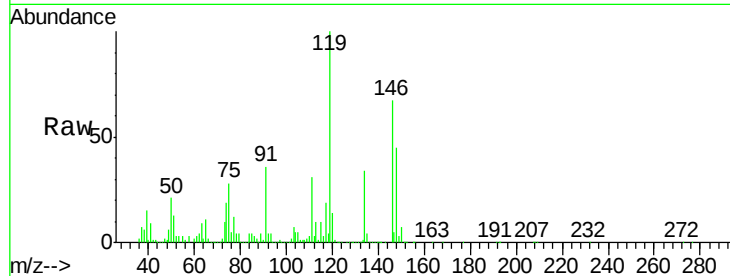
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:146 Resp: 4156317

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	63.9
148	66.0	31.6	95.0

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#88

1,4-Dichlorobenzene

Concen: 128.021 ug/l

RT: 13.34 min Scan# 3597

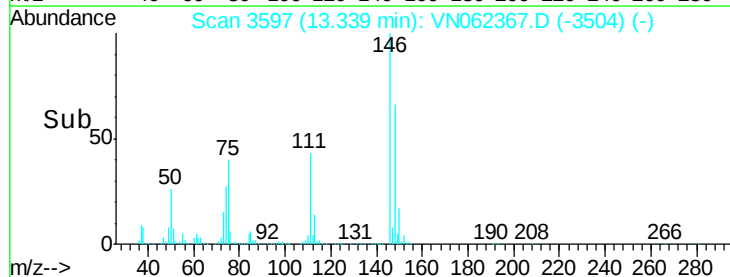
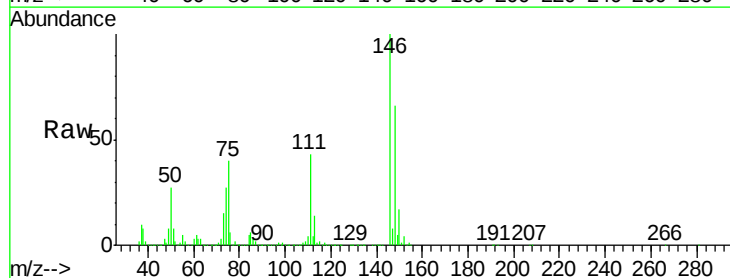
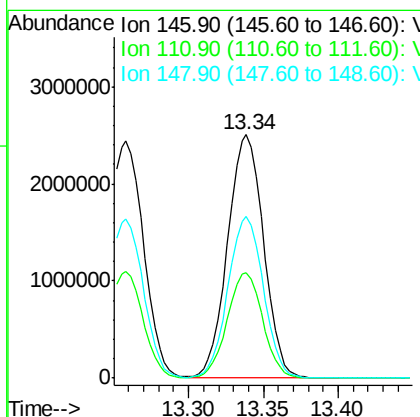
Delta R.T. -0.00 min

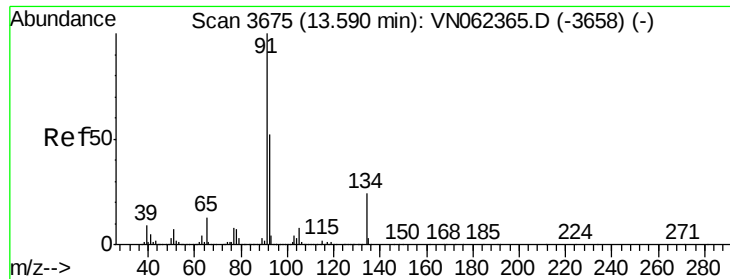
Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Tgt Ion:146 Resp: 4189205

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.6	61.8
148	65.4	31.8	95.4





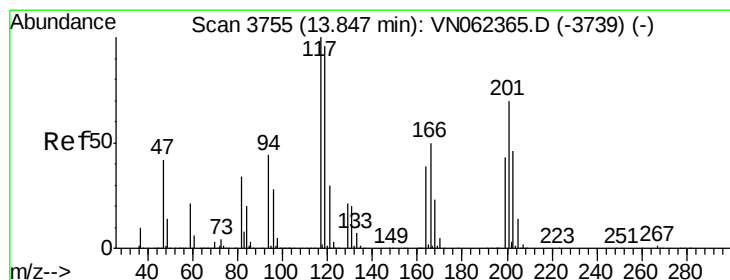
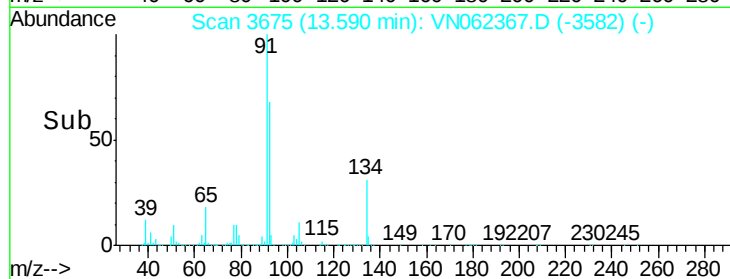
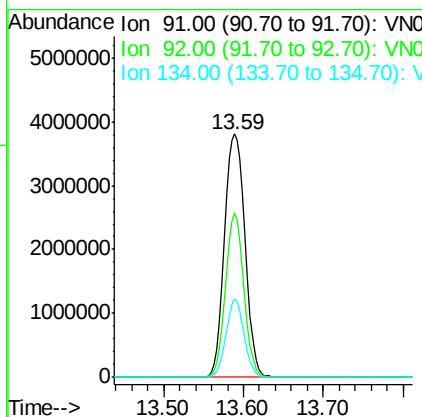
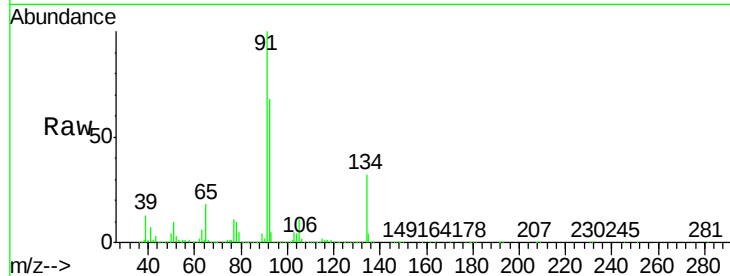
#89
n-Butylbenzene
Concen: 137.409 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 6759275
Ion Ratio Lower Upper
91 100
92 60.3 25.7 77.1
134 28.2 11.7 35.1

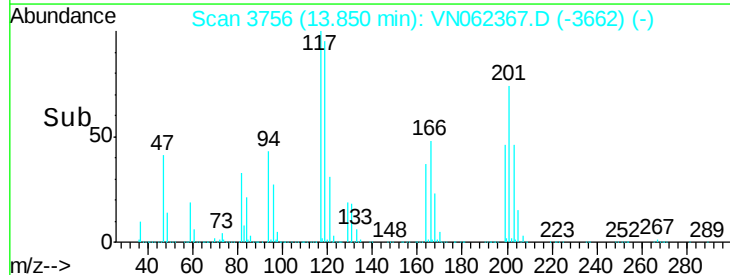
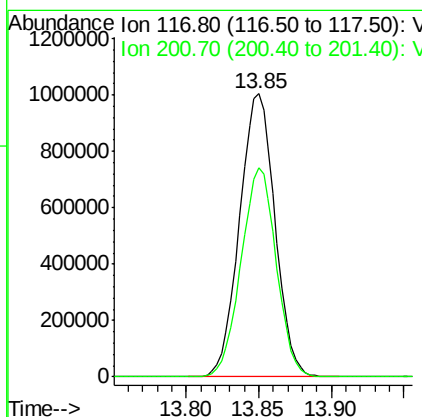
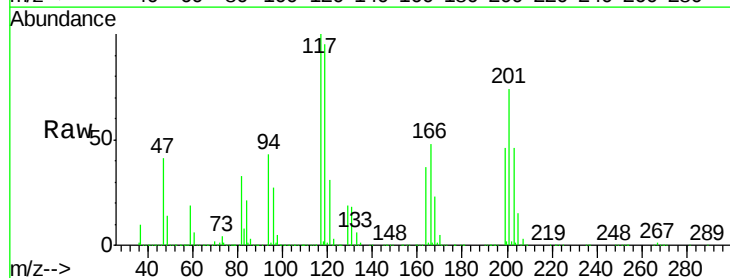
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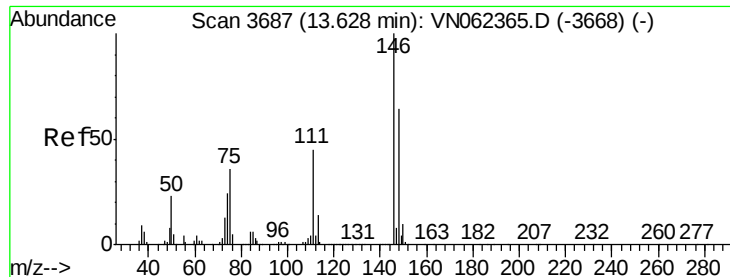
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#90
Hexachloroethane
Concen: 145.844 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062367.D
Acq: 6 Jul 2020 14:26

Tgt Ion: 117 Resp: 1704939
Ion Ratio Lower Upper
117 100
201 73.3 35.4 106.2





#91

1,2-Dichlorobenzene

Concen: 130.387 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 4010370

Ion Ratio Lower Upper

146 100

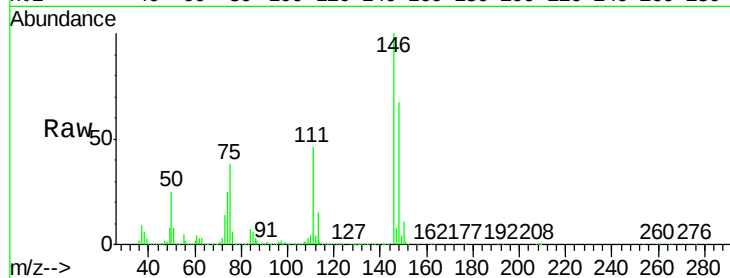
111 45.0 22.3 66.9

148 65.4 32.4 97.0

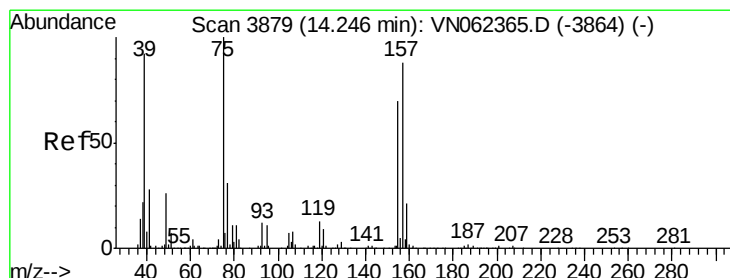
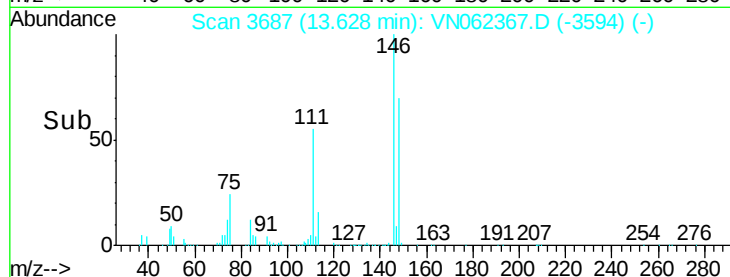
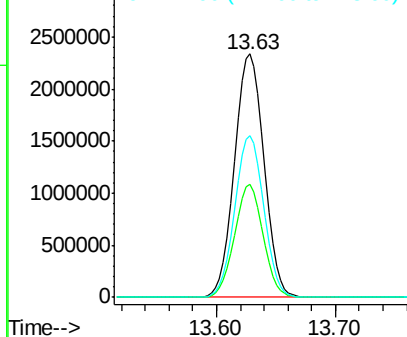
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 176.556 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

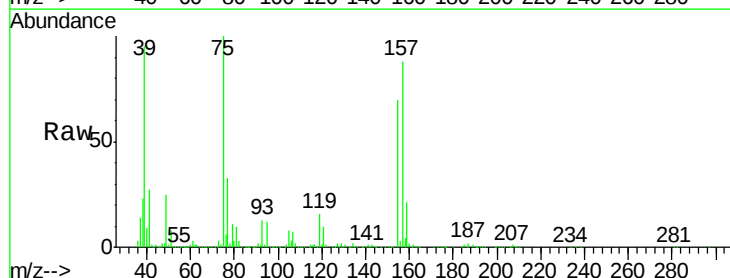
Tgt Ion: 75 Resp: 715159

Ion Ratio Lower Upper

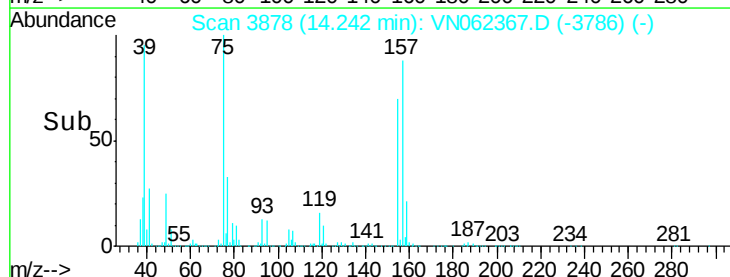
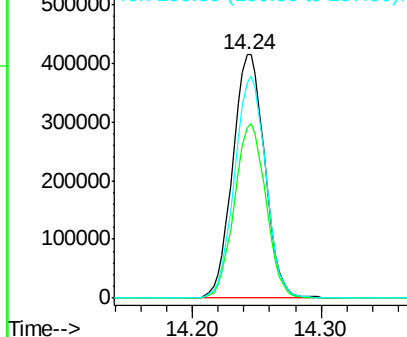
75 100

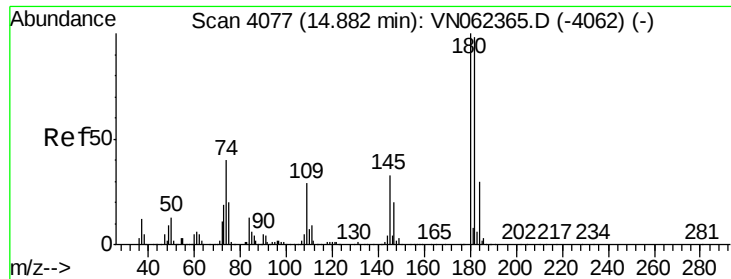
155 70.4 34.1 102.2

157 88.9 43.3 129.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





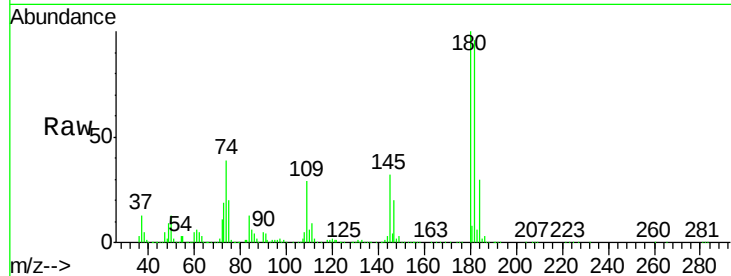
#93
 1,2,4-Trichlorobenzene
 Concen: 176.695 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.6	142.8
145	31.6	15.9	47.7

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 10:08:46 AM

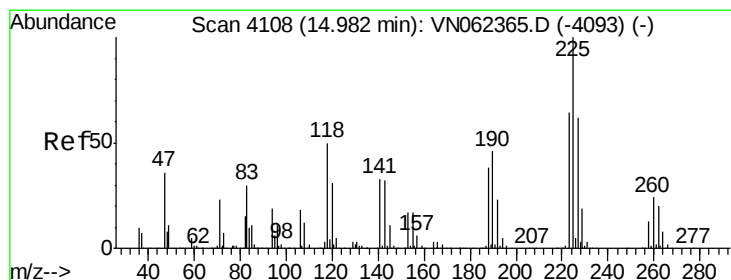
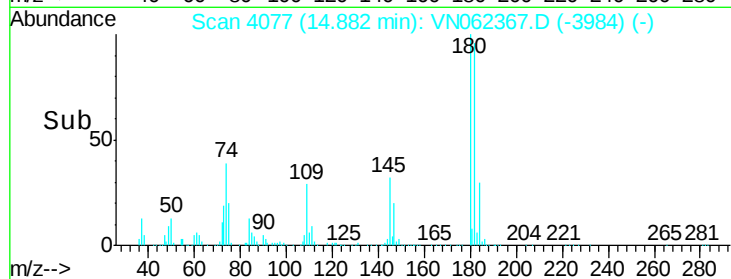
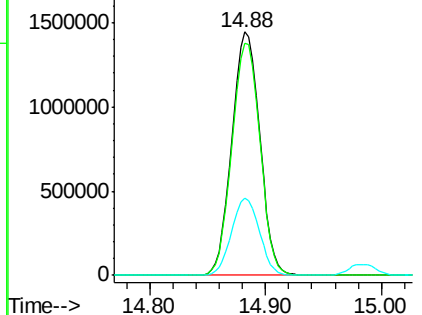


Abundance

Ion 179.80 (179.50 to 180.50): V

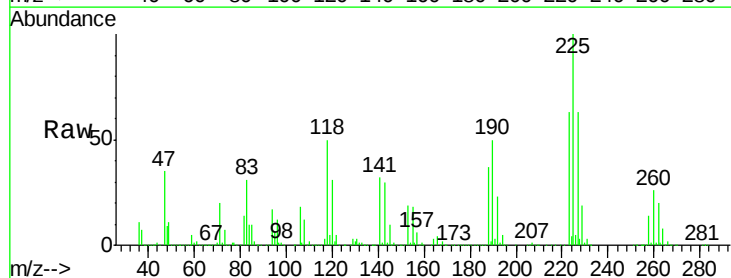
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 177.748 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062367.D
 Acq: 6 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.7	95.1
227	62.6	30.3	90.8

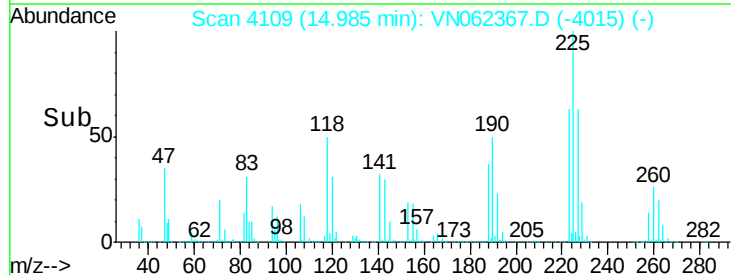
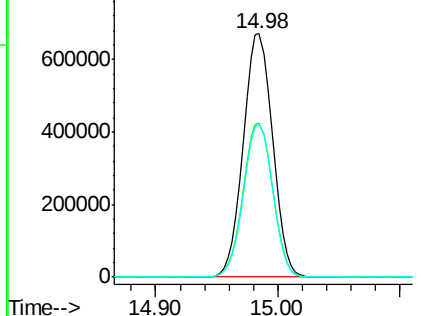


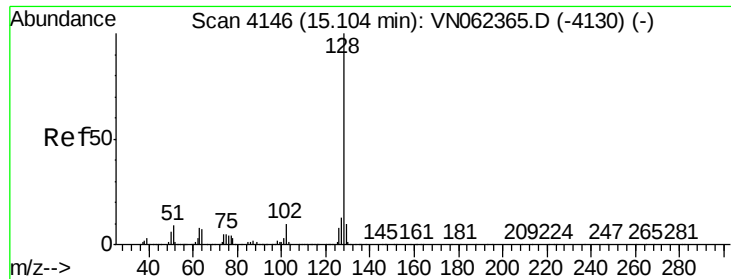
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 159.501 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion:128 Resp: 6217021

Ion Ratio Lower Upper

128 100

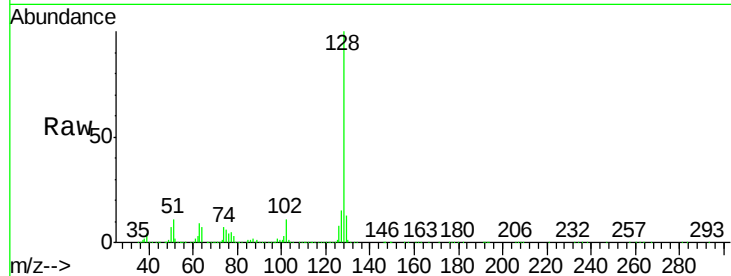
127 14.4 10.8 16.2

129 11.8 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

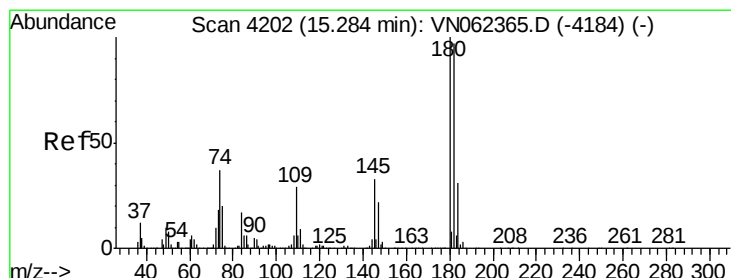
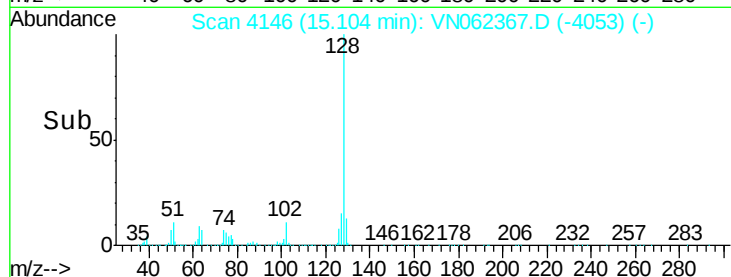
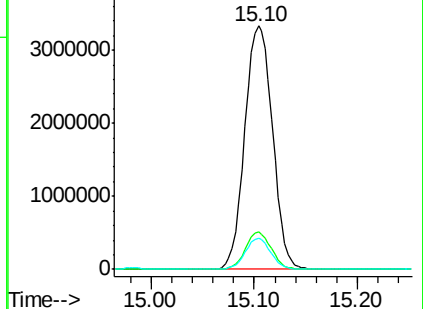
7/7/2020 10:08:46 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 168.124 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062367.D

Acq: 6 Jul 2020 14:26

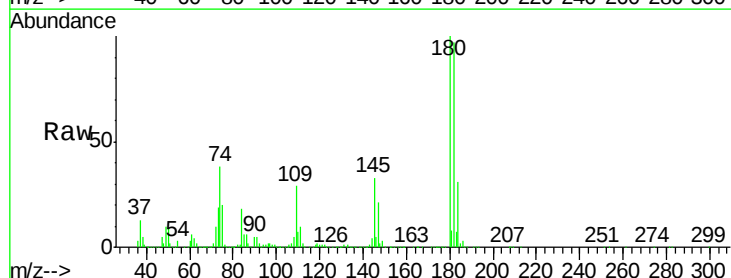
Tgt Ion:180 Resp: 2329250

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.7

145 33.6 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

