

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062400.D
 Acq On : 8 Jul 2020 11:02
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:54:50 AM

Quant Time: Jul 08 12:40:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 11:45:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	194530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	332809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	300833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	57346	16.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.62%	
35) Dibromofluoromethane	7.55	113	38817	17.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.84%	
50) Toluene-d8	10.06	98	152638	18.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.50%	
62) 4-Bromofluorobenzene	12.38	95	53717	16.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	38692	17.733	ug/l	97
3) Chloromethane	2.04	50	60280	18.357	ug/l	99
4) Vinyl Chloride	2.16	62	51543	18.455	ug/l	100
5) Bromomethane	2.53	94	27334	18.933	ug/l	99
6) Chloroethane	2.67	64	29901	18.364	ug/l	100
7) Trichlorofluoromethane	2.98	101	66391	17.550	ug/l	99
8) Diethyl Ether	3.38	74	29168	19.351	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	38488	17.872	ug/l	98
10) Methyl Iodide	3.91	142	49366	18.889	ug/l	99
11) Tert butyl alcohol	4.74	59	47994	98.849	ug/l	99
12) 1,1-Dichloroethene	3.70	96	39604	19.618	ug/l	96
13) Acrolein	3.57	56	29998	120.262	ug/l	98
14) Allyl chloride	4.27	41	91466	18.778	ug/l	99
15) Acrylonitrile	4.93	53	129911	100.635	ug/l	99
16) Acetone	3.78	43	121951	77.442	ug/l	98
17) Carbon Disulfide	4.01	76	119355	18.660	ug/l	100
18) Methyl Acetate	4.28	43	60579	17.145	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	147164	19.209	ug/l	99
20) Methylene Chloride	4.50	84	50483	17.449	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	42981	19.255	ug/l	98
22) Diisopropyl ether	5.91	45	186958	19.249	ug/l	98
23) Vinyl Acetate	5.84	43	768706	101.903	ug/l	99
24) 1,1-Dichloroethane	5.80	63	94342	19.424	ug/l	99
25) 2-Butanone	6.79	43	182678	90.532	ug/l	99
26) 2,2-Dichloropropane	6.78	77	71422	18.094	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	49975	19.607	ug/l	99
28) Bromochloromethane	7.15	49	50099	18.773	ug/l	100
29) Tetrahydrofuran	7.17	42	124902	96.965	ug/l	99
30) Chloroform	7.33	83	86536	18.449	ug/l	99
31) Cyclohexane	7.62	56	86863	19.297	ug/l	92
32) 1,1,1-Trichloroethane	7.53	97	71479	18.208	ug/l	99
36) 1,1-Dichloropropene	7.75	75	65878	18.696	ug/l	100
37) Ethyl Acetate	6.88	43	75457	18.399	ug/l	100
38) Carbon Tetrachloride	7.73	117	60231	17.320	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	71623	18.883	ug/l	99
40) Benzene	8.00	78	197746	19.728	ug/l	98
41) Methacrylonitrile	7.13	41	31978m	15.655	ug/l	
42) 1,2-Dichloroethane	8.09	62	72503	16.841	ug/l	100
43) Isopropyl Acetate	8.13	43	123824	18.076	ug/l	99
44) Trichloroethene	8.80	130	43137	18.132	ug/l	95
45) 1,2-Dichloropropane	9.09	63	57890	19.693	ug/l	100
46) Dibromomethane	9.18	93	32909	18.342	ug/l	96
47) Bromodichloromethane	9.37	83	69033	18.037	ug/l	99
48) Methyl methacrylate	9.17	41	59330	17.040	ug/l	98
49) 1,4-Dioxane	9.17	88	17928	374.753	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	375819	101.727	ug/l	100
52) Toluene	10.12	92	115253	19.400	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	76461	18.555	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	84125	18.967	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	45778	19.117	ug/l	94
56) Ethyl methacrylate	10.40	69	75359	19.496	ug/l	98
57) 1,3-Dichloropropane	10.68	76	82869	18.704	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	119778	87.557	ug/l	99
59) 2-Hexanone	10.72	43	273227	98.494	ug/l	98
60) Dibromochloromethane	10.87	129	47938	17.769	ug/l	99
61) 1,2-Dibromoethane	10.98	107	43949	17.962	ug/l	98
64) Tetrachloroethene	10.60	164	36605	18.871	ug/l	98
65) Chlorobenzene	11.41	112	118888	19.183	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	43696	18.793	ug/l	99
67) Ethyl Benzene	11.48	91	220288	20.090	ug/l	99
68) m/p-Xylenes	11.60	106	156230	38.972	ug/l	100
69) o-Xylene	11.92	106	76041	19.230	ug/l	99
70) Styrene	11.94	104	127044	19.440	ug/l	100
71) Bromoform	12.10	173	31957	17.619	ug/l #	96
73) Isopropylbenzene	12.22	105	206066	20.921	ug/l	100
74) N-amyl acetate	12.05	43	101095	19.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	68391	19.821	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	66700m	21.020	ug/l	
77) Bromobenzene	12.50	156	46654	20.100	ug/l	97
78) n-propylbenzene	12.57	91	237520	21.125	ug/l	99
79) 2-Chlorotoluene	12.65	91	145639	20.385	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	169076	20.496	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	23322	20.441	ug/l	98
82) 4-Chlorotoluene	12.75	91	147581	20.234	ug/l	99
83) tert-Butylbenzene	12.97	119	143363	20.388	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	166000	20.331	ug/l	100
85) sec-Butylbenzene	13.15	105	190235	21.191	ug/l	99
86) p-Isopropyltoluene	13.26	119	163655	20.246	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	79576	19.137	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	78770	18.338	ug/l	96
89) n-Butylbenzene	13.59	91	137022	19.665	ug/l	100
90) Hexachloroethane	13.85	117	32177	18.778	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	78738	19.761	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12159	18.238	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	35527	19.047	ug/l	98
94) Hexachlorobutadiene	14.98	225	20090	17.212	ug/l	96
95) Naphthalene	15.10	128	93900	18.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	35510	18.555	ug/l	99

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

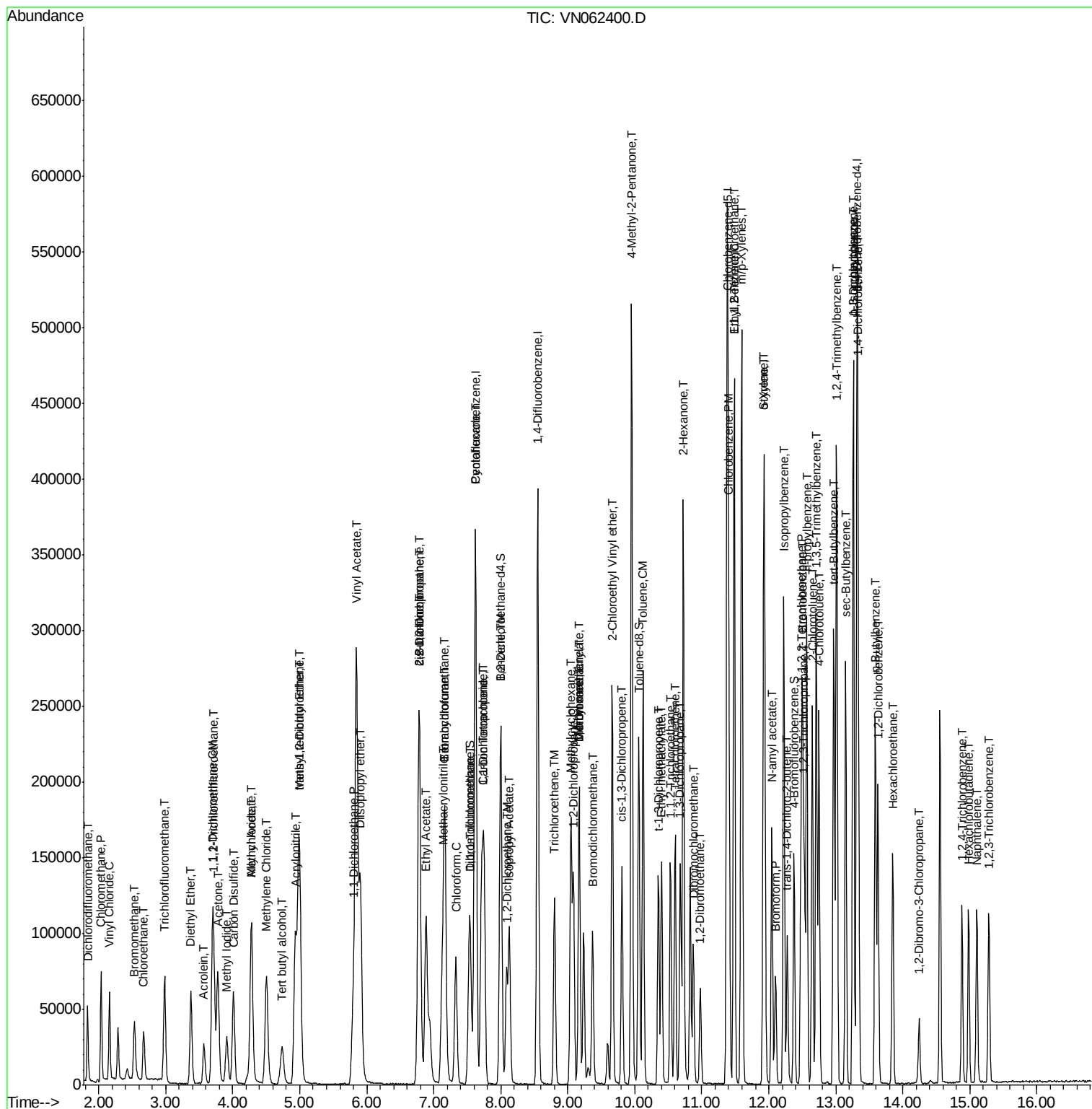
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070820\
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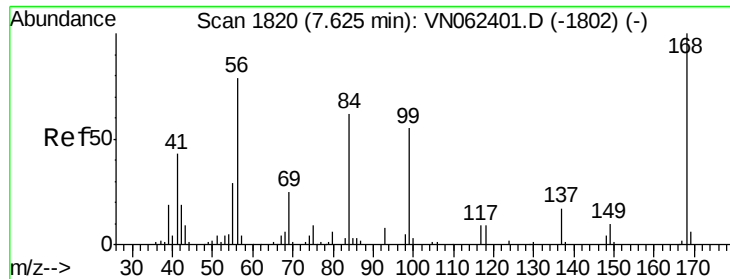
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 194530

Ion Ratio Lower Upper

168 100

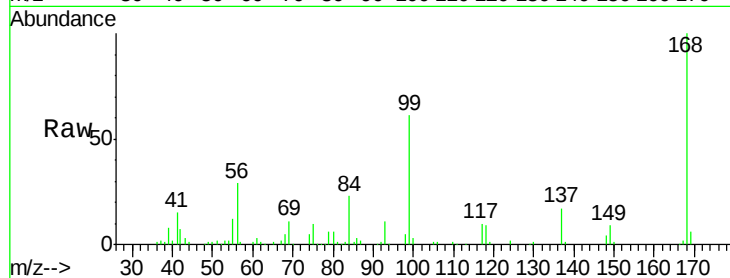
99 60.7 48.8 73.2

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

7.63

80000

60000

40000

20000

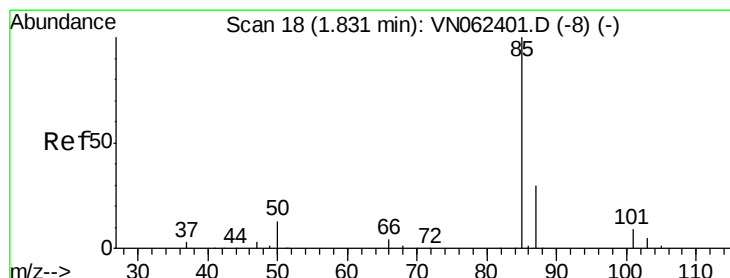
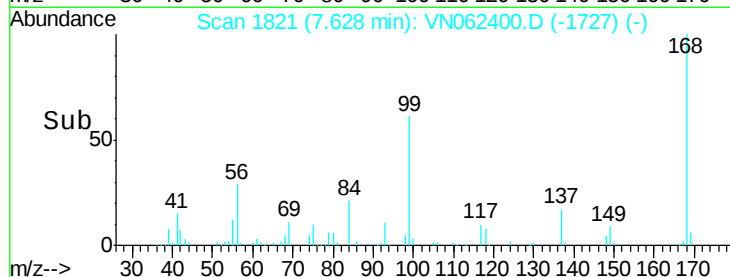
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.733 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062400.D

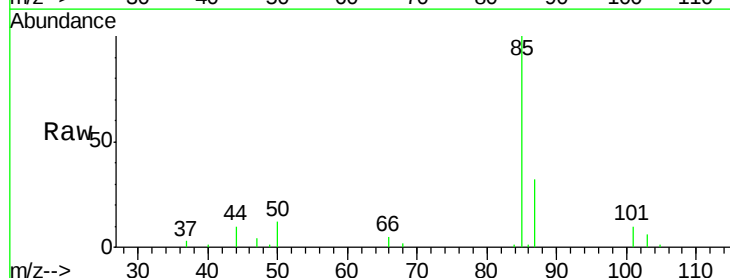
Acq: 8 Jul 2020 11:02

Tgt Ion: 85 Resp: 38692

Ion Ratio Lower Upper

85 100

87 31.7 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

25000

20000

15000

10000

5000

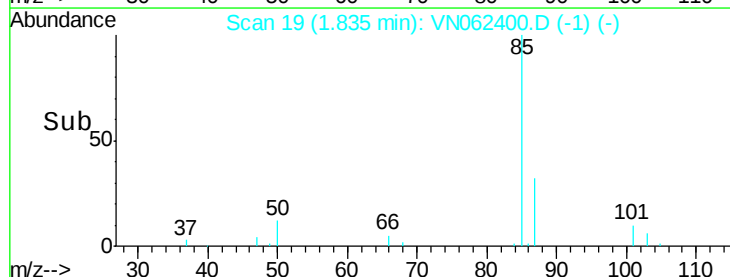
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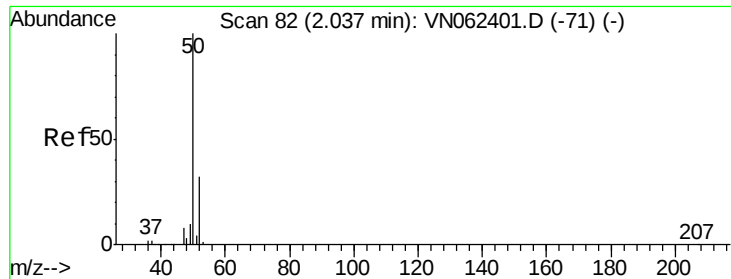
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 18.357 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 60280

Ion Ratio Lower Upper

50 100

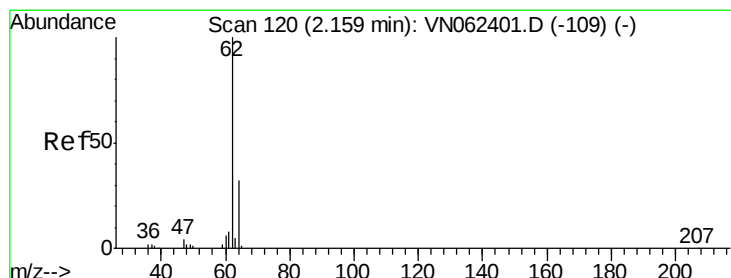
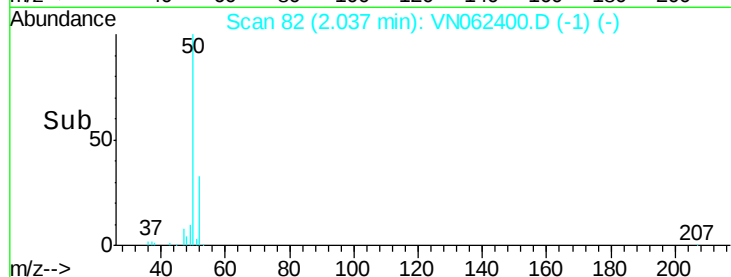
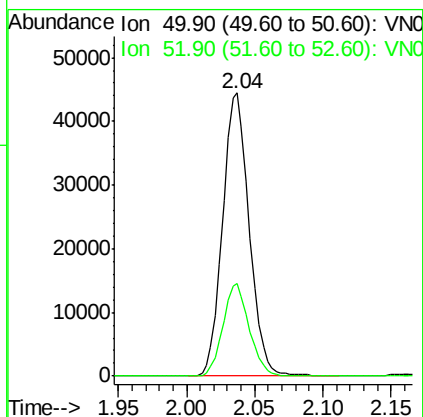
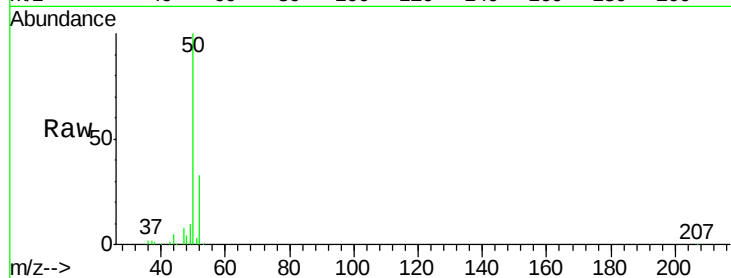
52 32.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.455 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062400.D

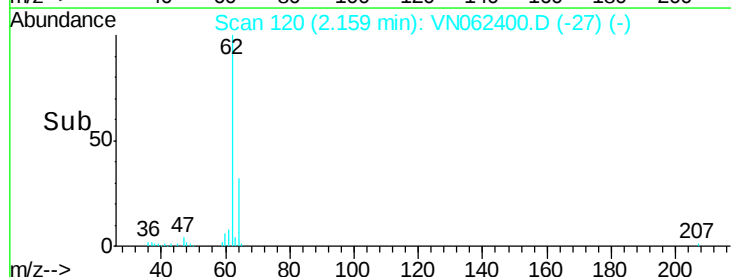
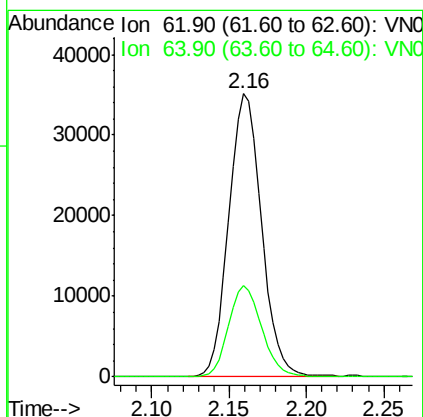
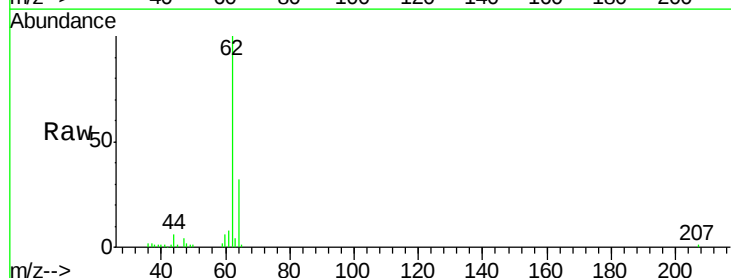
Acq: 8 Jul 2020 11:02

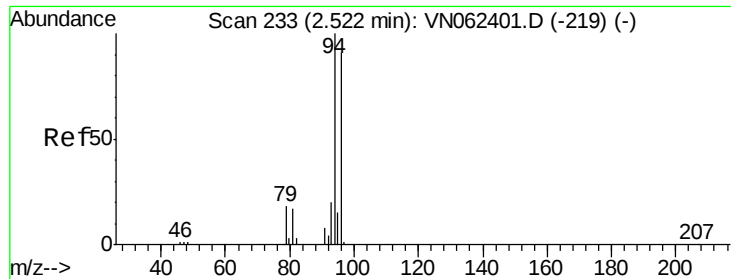
Tgt Ion: 62 Resp: 51543

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 18.933 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 27334

Ion Ratio Lower Upper

94 100

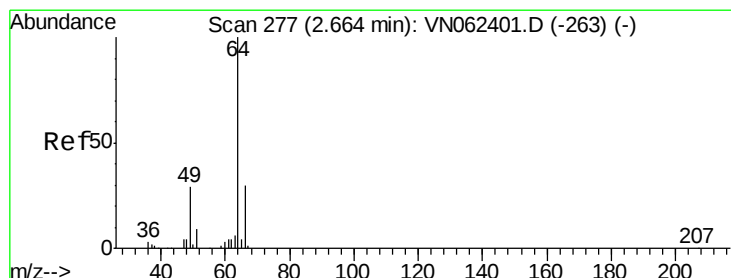
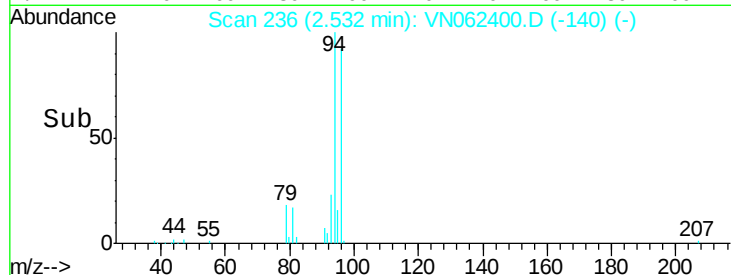
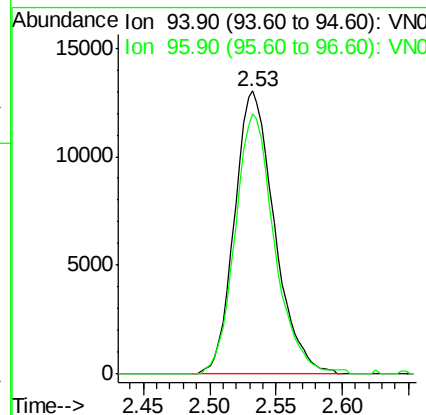
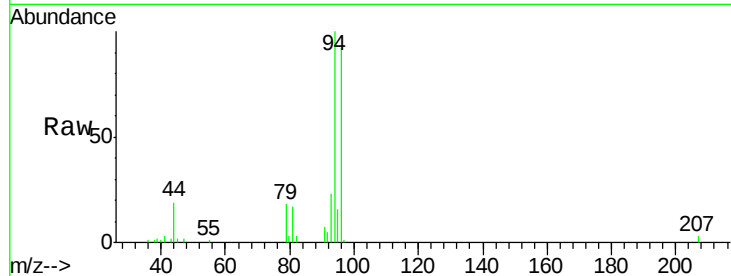
96 92.0 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 18.364 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062400.D

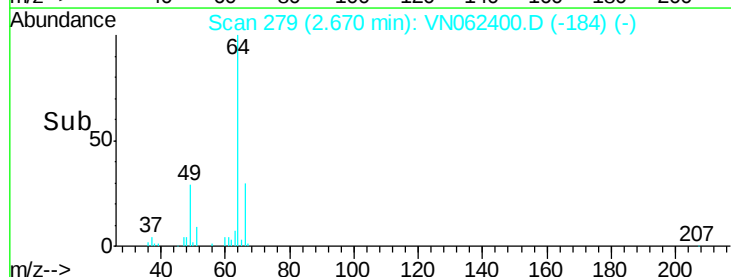
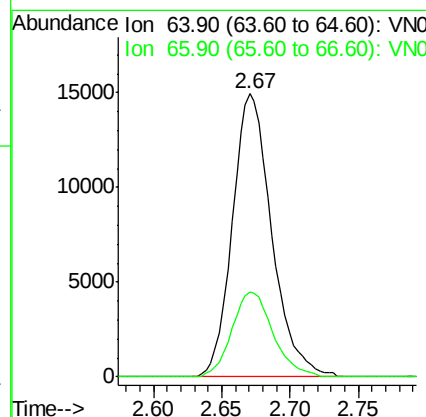
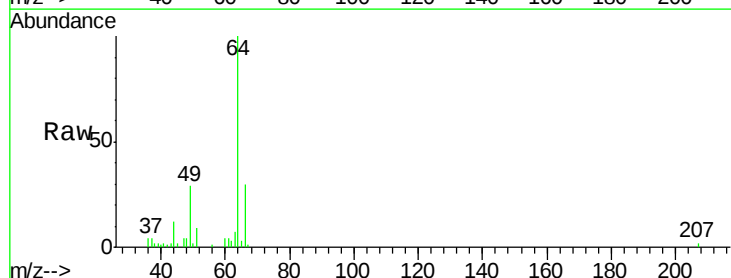
Acq: 8 Jul 2020 11:02

Tgt Ion: 64 Resp: 29901

Ion Ratio Lower Upper

64 100

66 30.0 24.2 36.2





#7

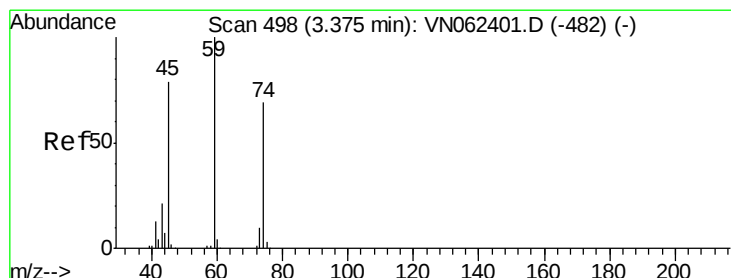
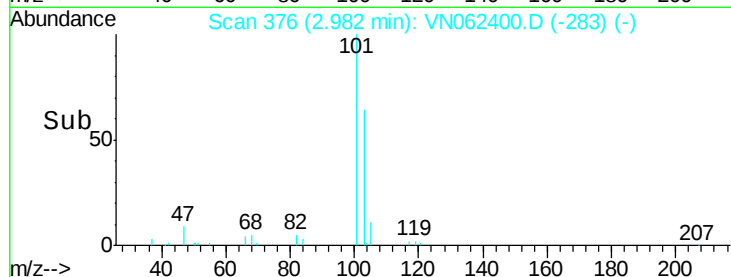
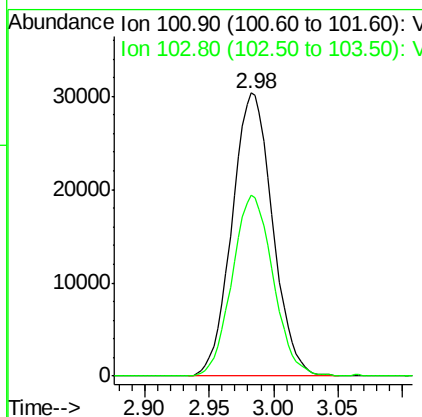
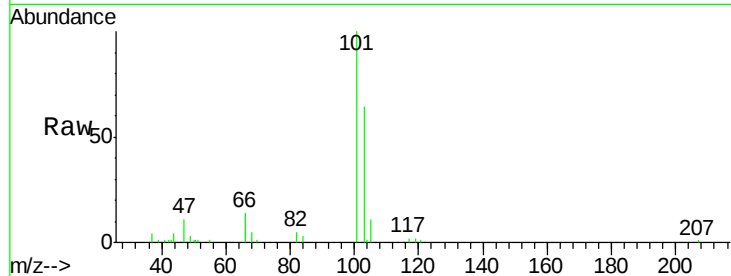
Trichlorofluoromethane
Concen: 17.550 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.6	77.4

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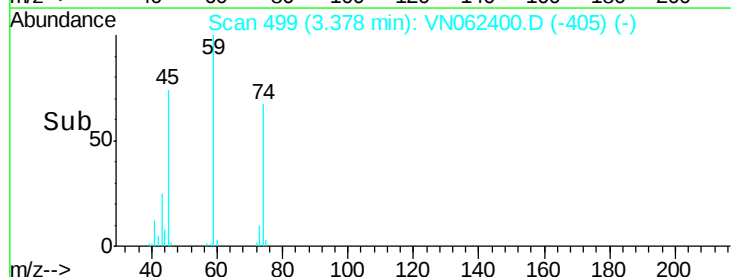
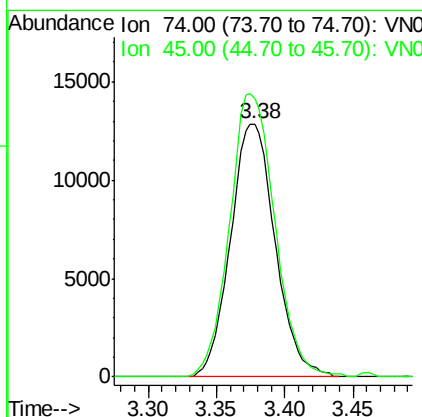
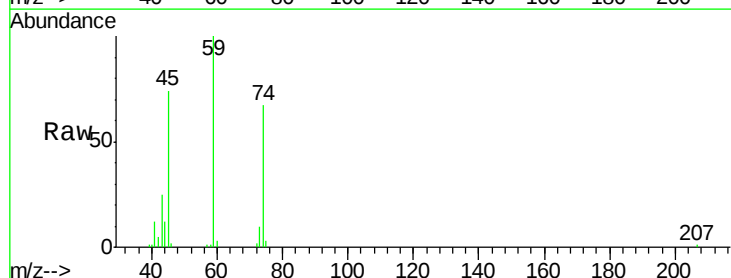
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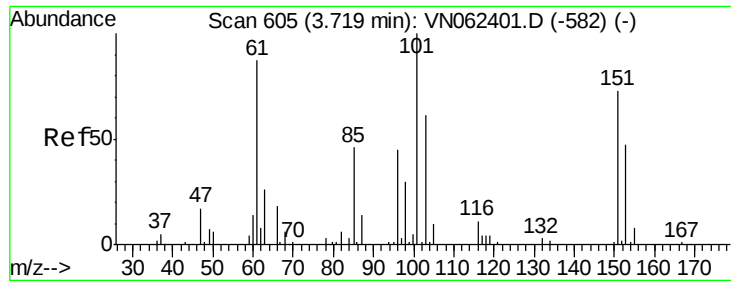


#8

Diethyl Ether
Concen: 19.351 ug/l
RT: 3.38 min Scan# 499
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.9	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.872 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

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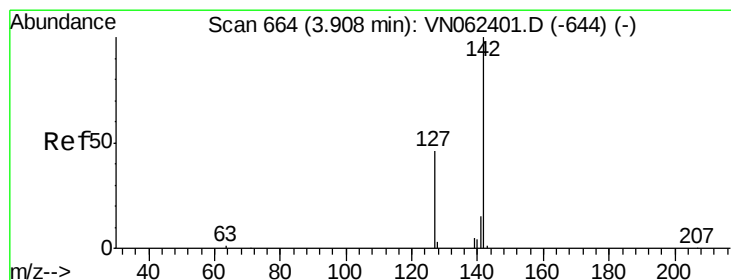
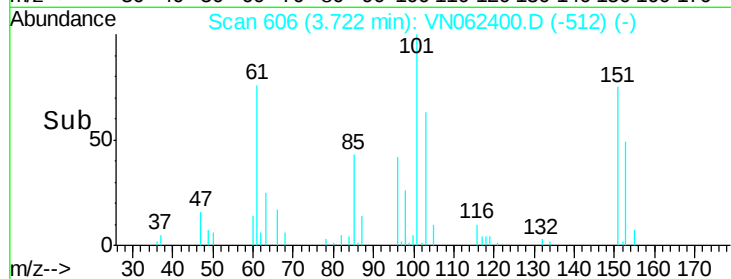
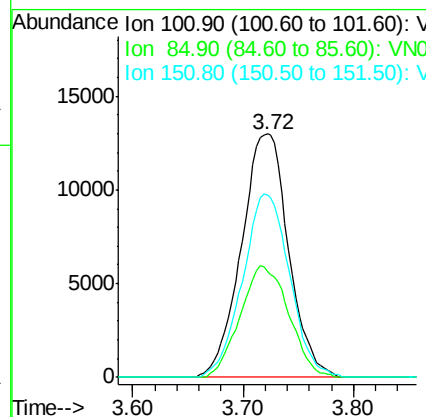
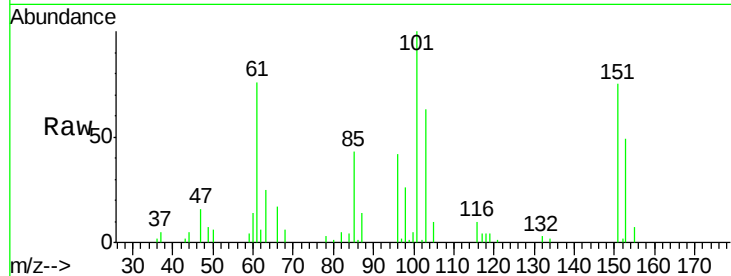
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	38488
Ion Ratio	Lower	Upper	
101	100		
85	47.1	36.7	55.1
151	75.2	58.3	87.5

Manual Integrations
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MMDadoda
7/9/2020 10:54:50 AM



#10

Methyl Iodide

Concen: 18.889 ug/l

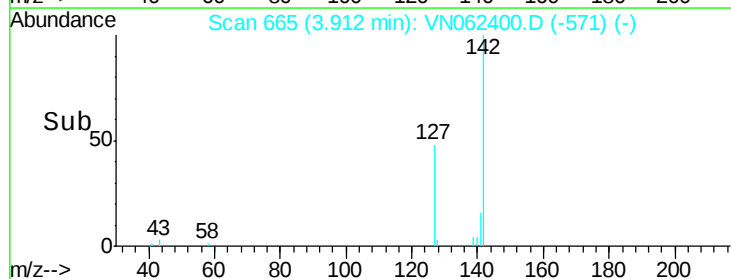
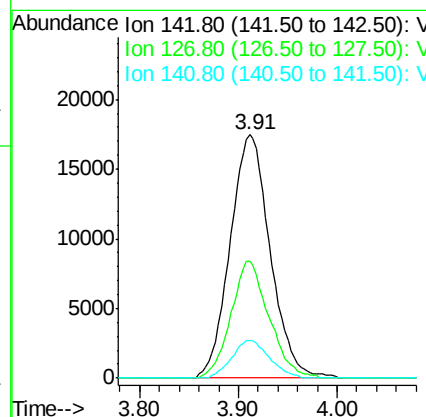
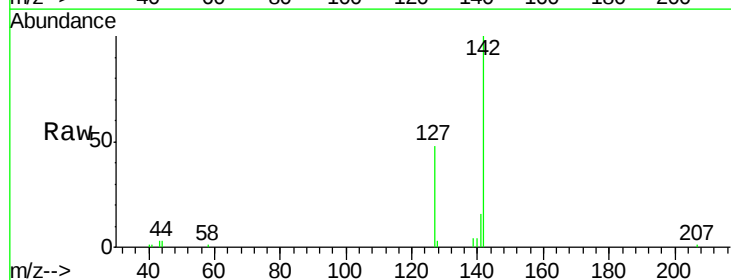
RT: 3.91 min Scan# 665

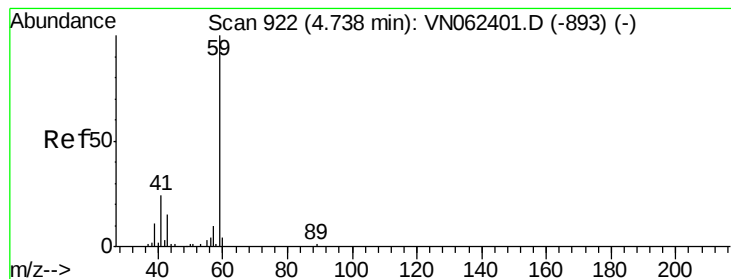
Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion:	142	Resp:	49366
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.1	54.1
141	14.6	11.4	17.0





#11

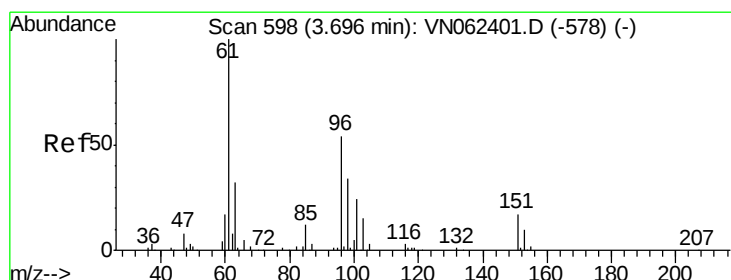
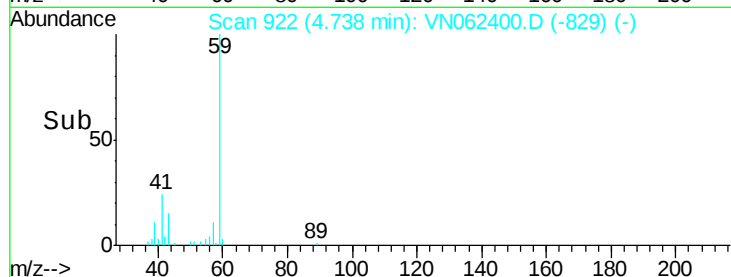
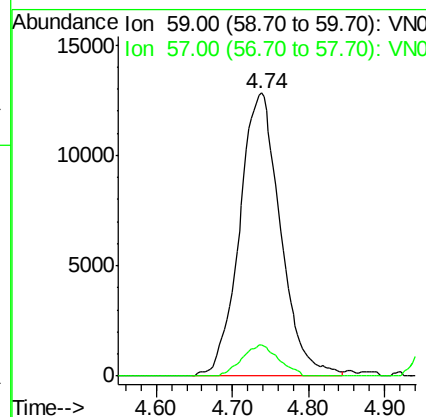
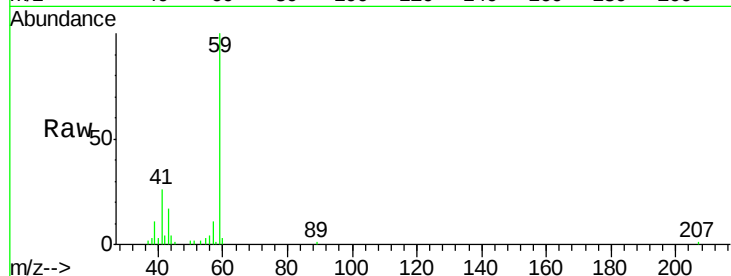
Tert butyl alcohol
 Concen: 98.849 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	47994
Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.6

Manual Integrations
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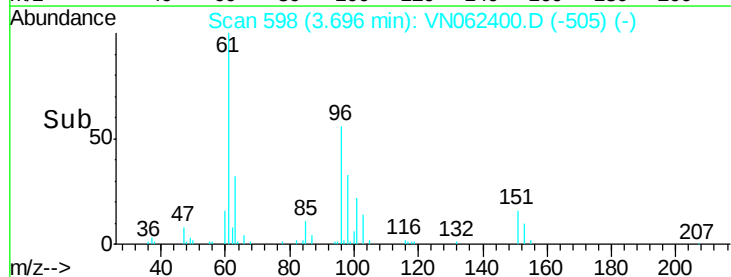
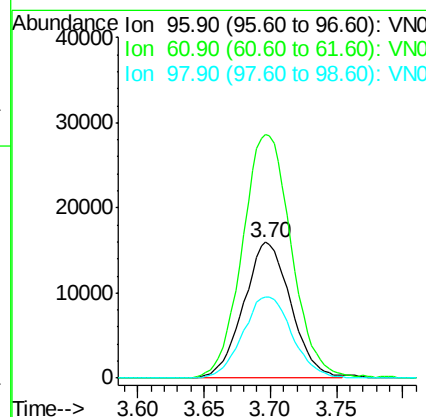
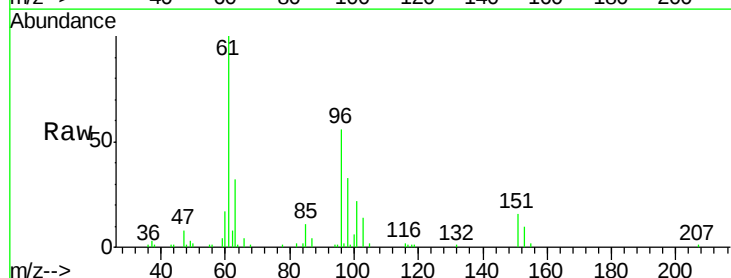
MMDadoda
 7/9/2020 10:54:50 AM

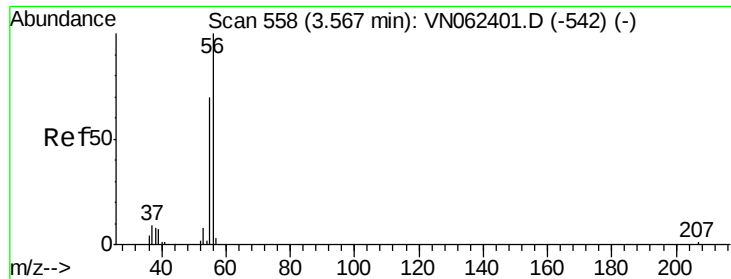


#12

1,1-Dichloroethene
 Concen: 19.618 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion	96	Resp	39604
Ion	Ratio	Lower	Upper
96	100		
61	179.1	147.4	221.0
98	59.2	50.4	75.6





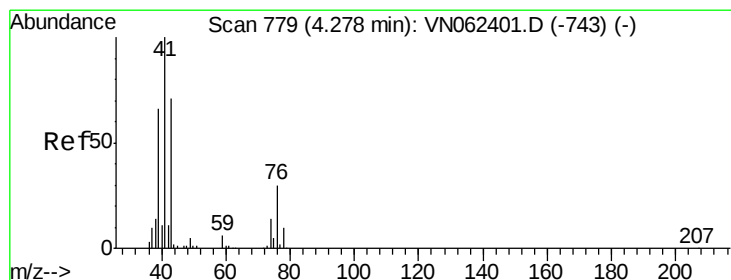
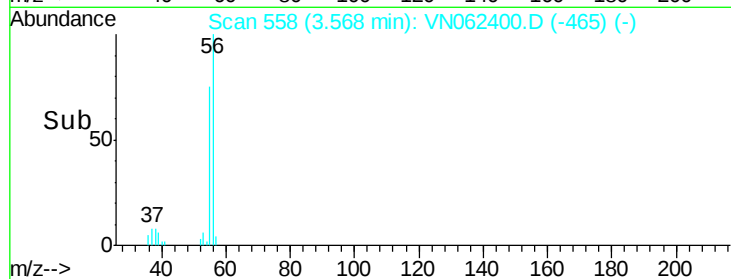
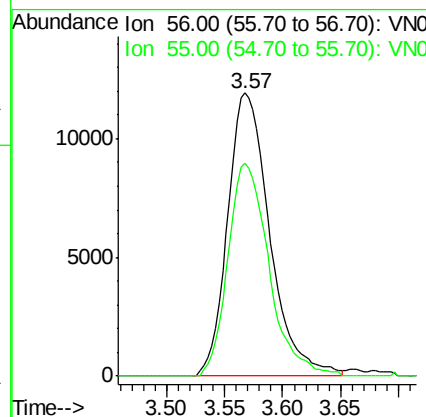
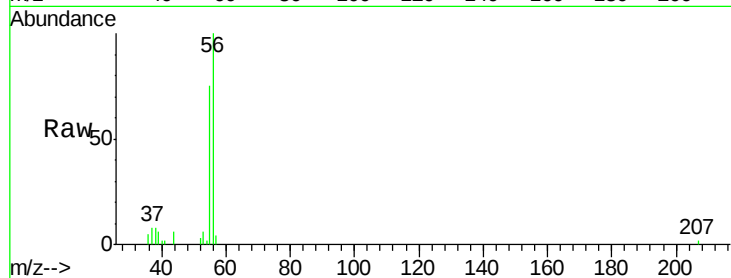
#13
Acrolein
Concen: 120.262 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	56	Resp	29998
Ion Ratio	100	Lower	Upper
56	100		
55	73.4	57.2	85.8

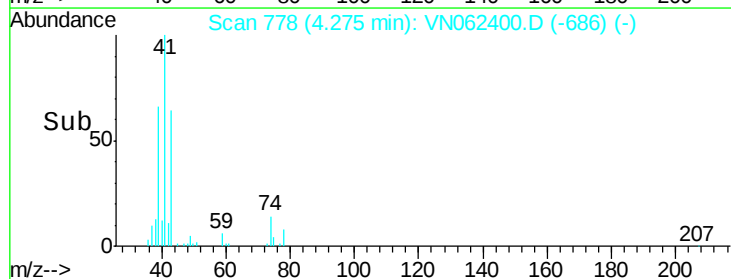
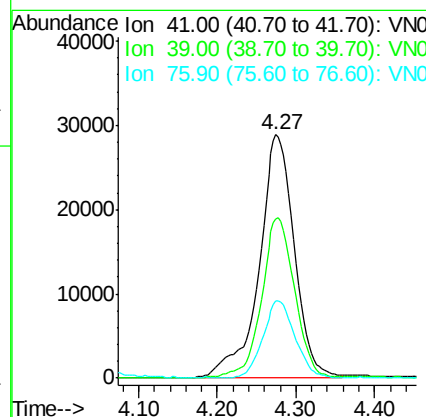
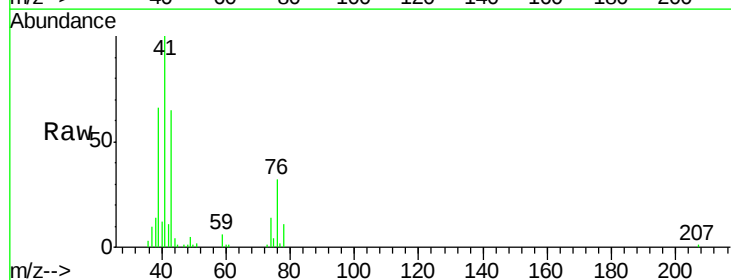
Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:54:50 AM



#14
Allyl chloride
Concen: 18.778 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	41	Resp	91466
Ion Ratio	100	Lower	Upper
41	100		
39	61.9	49.6	74.4
76	28.9	22.2	33.4





#15

Acrylonitrile

Concen: 100.635 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

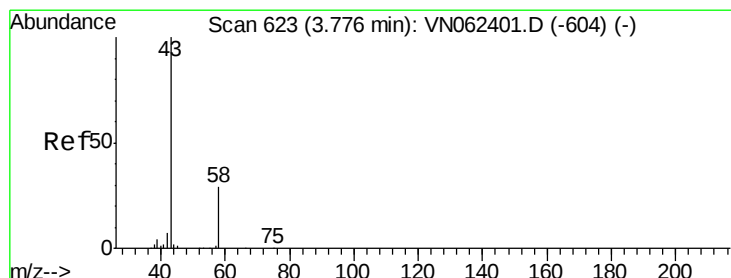
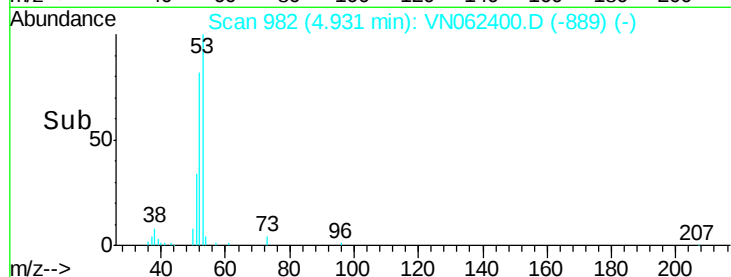
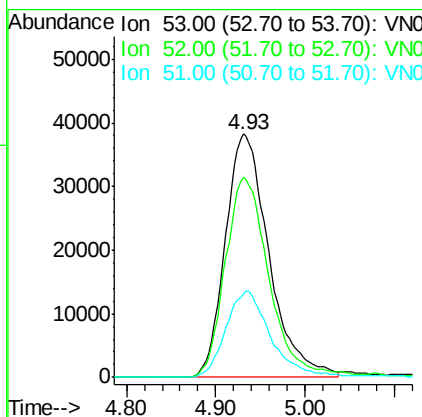
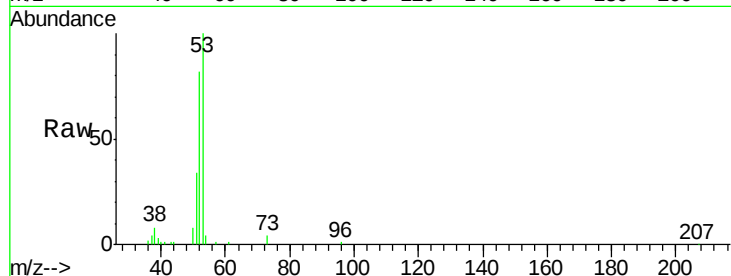
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	129911
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.4
51	36.2	28.7	43.1

Manual Integrations
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MMDadoda
7/9/2020 10:54:50 AM



#16

Acetone

Concen: 77.442 ug/l

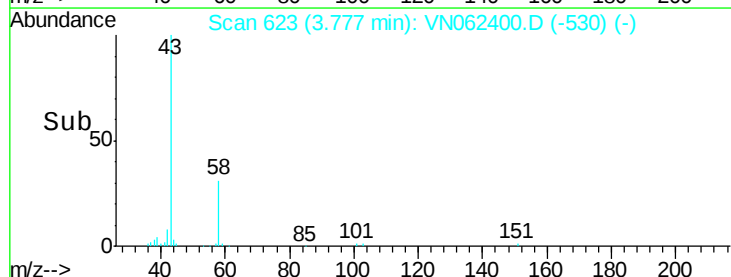
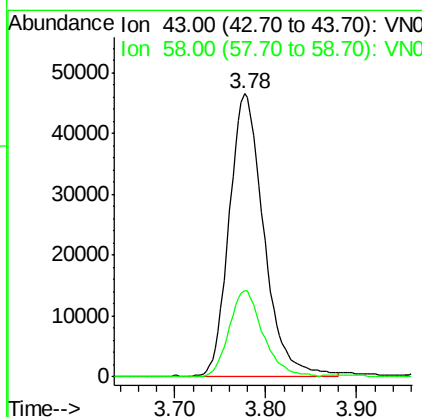
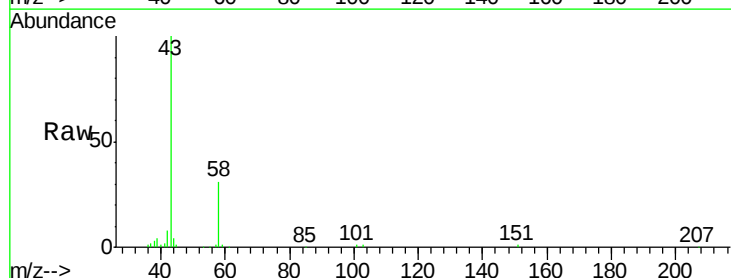
RT: 3.78 min Scan# 623

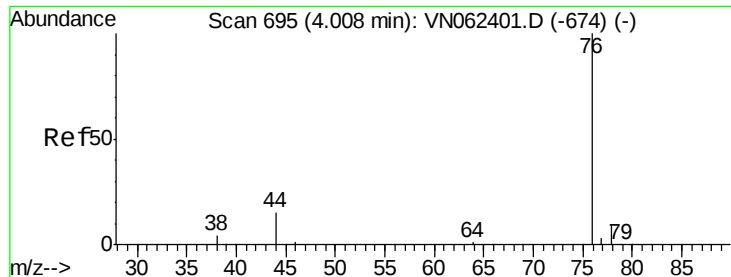
Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion:	43	Resp:	121951
Ion Ratio	Lower	Upper	
43	100		
58	30.6	23.5	35.3





#17

Carbon Disulfide

Concen: 18.660 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tot Ion: 76 Resp: 119355

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

Instrument :

MSVOA_N

ClientSampled :

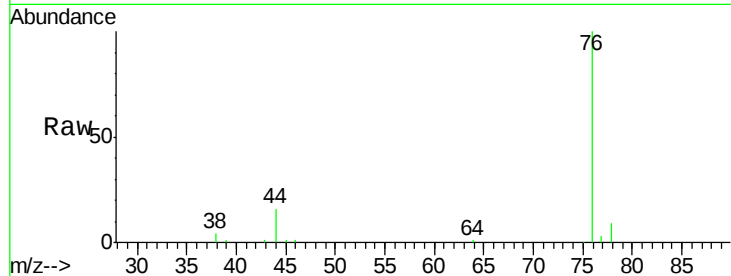
VSTDIC020

Manual Integrations

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MMDadoda

7/9/2020 10:54:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

50000

40000

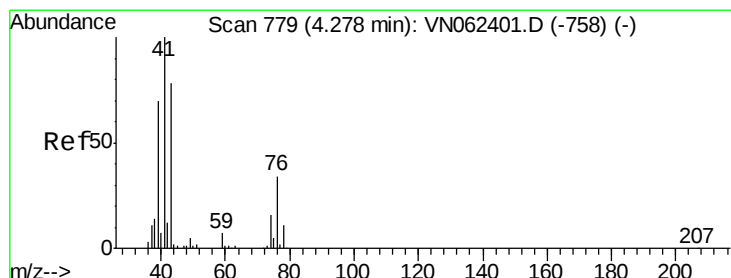
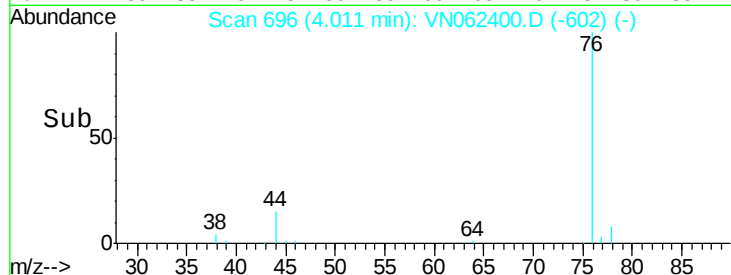
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 17.145 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062400.D

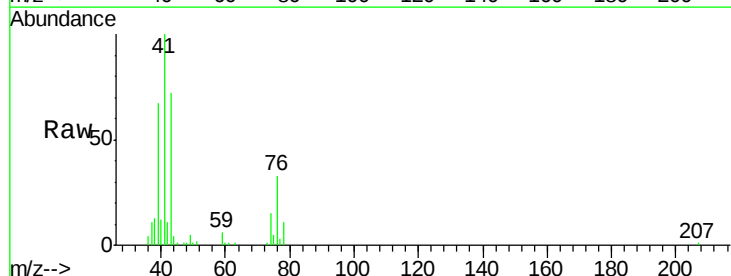
Acq: 8 Jul 2020 11:02

Tgt Ion: 43 Resp: 60579

Ion Ratio Lower Upper

43 100

74 19.5 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

20000

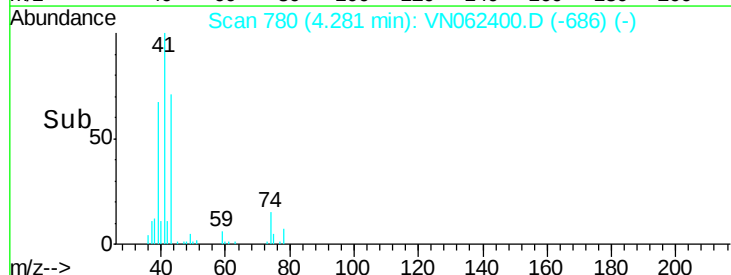
15000

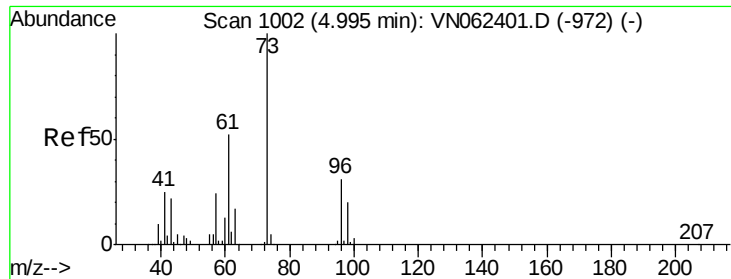
10000

5000

0

Time-->





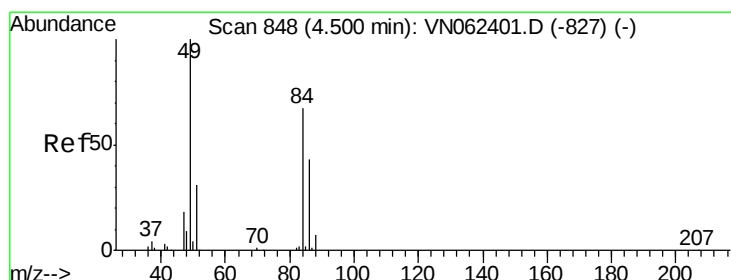
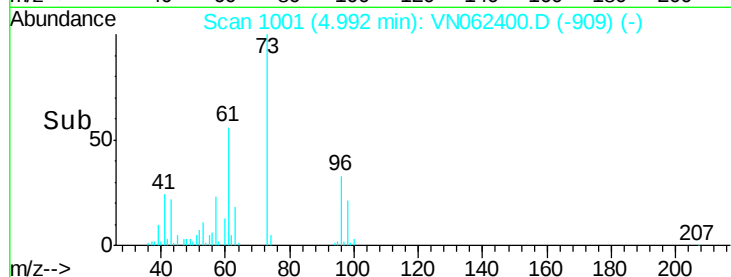
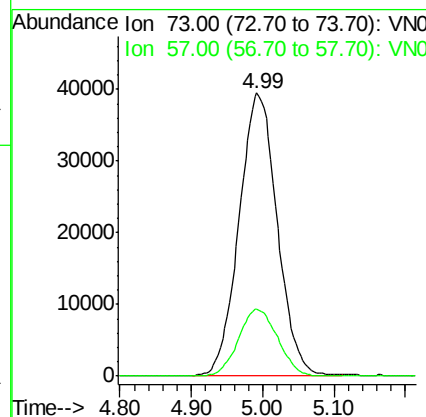
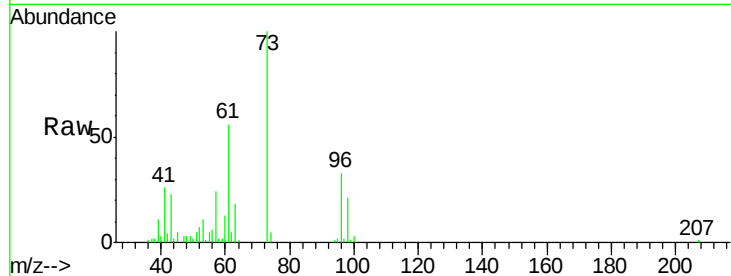
#19
Methvl tert-butvl Ether
Concen: 19.209 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 147164
Ion Ratio Lower Upper
73 100
57 23.6 19.4 29.0

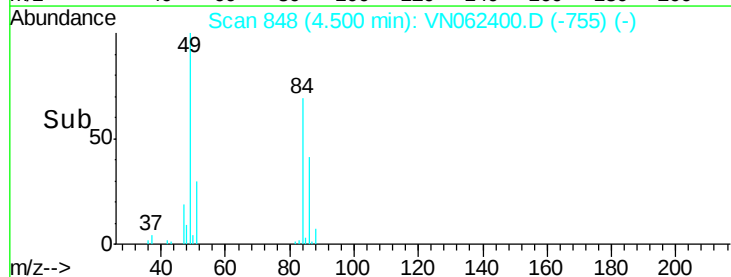
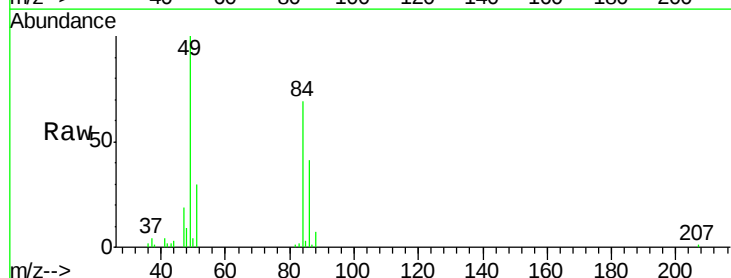
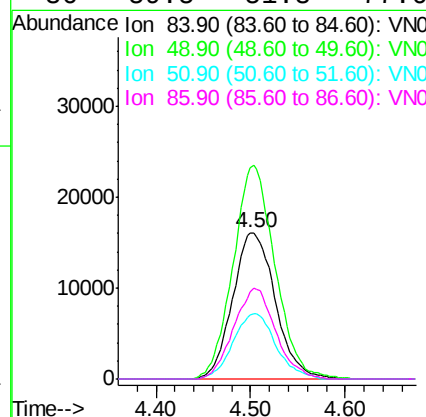
Manual Integrations
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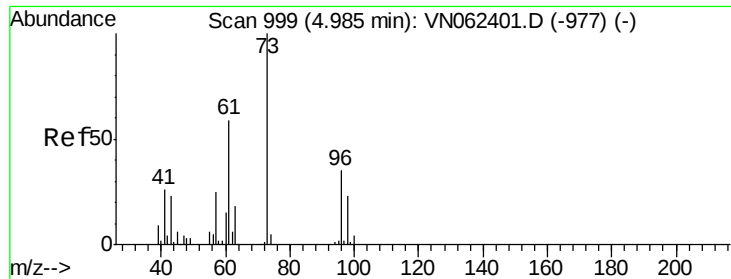
MMDadoda
7/9/2020 10:54:50 AM



#20
Methylene Chloride
Concen: 17.449 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion: 84 Resp: 50483
Ion Ratio Lower Upper
84 100
49 144.1 120.0 180.0
51 43.9 37.0 55.6
86 59.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.255 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

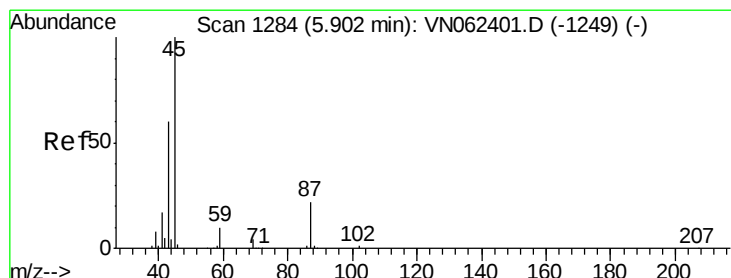
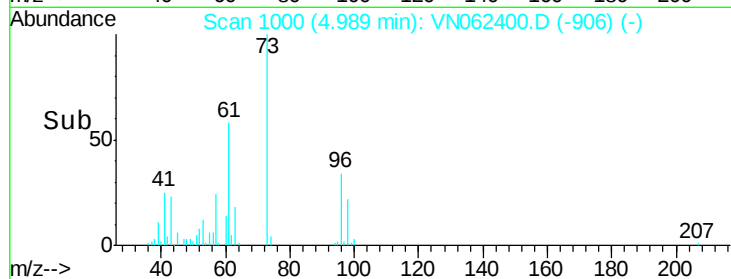
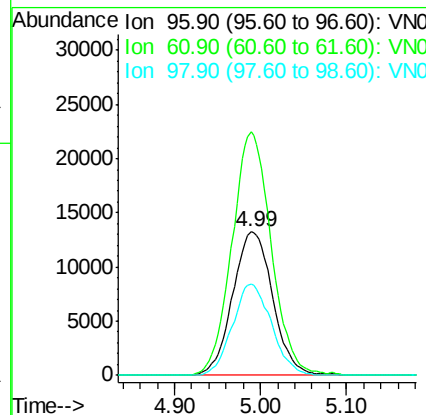
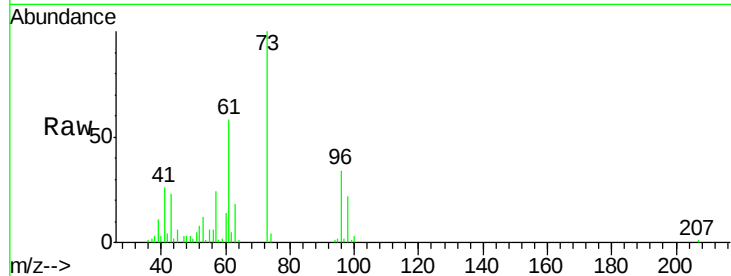
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	42981
Ion	Ratio	Lower	Upper
96	100		
61	169.5	133.5	200.3
98	63.5	51.9	77.9

Manual Integrations
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MMDadoda
7/9/2020 10:54:50 AM



#22

Diisopropyl ether

Concen: 19.249 ug/l

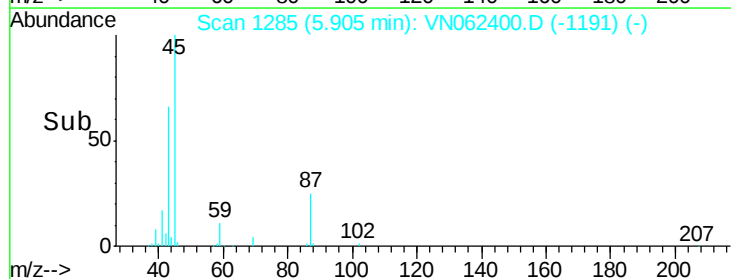
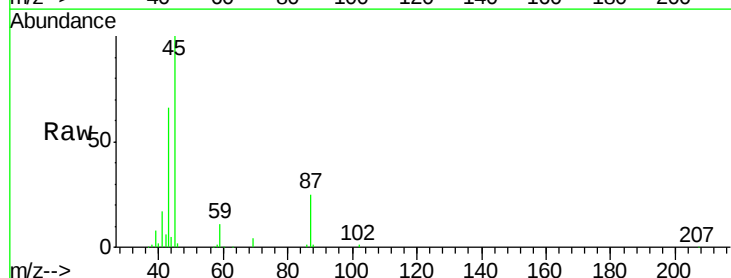
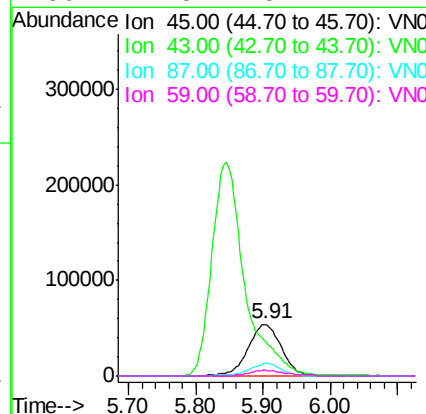
RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion:	45	Resp:	186958
Ion	Ratio	Lower	Upper
45	100		
43	63.4	50.1	75.1
87	24.8	18.2	27.4
59	11.3	8.2	12.2





#23

Vinyl Acetate

Concen: 101.903 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 768706

Ion Ratio Lower Upper

43 100

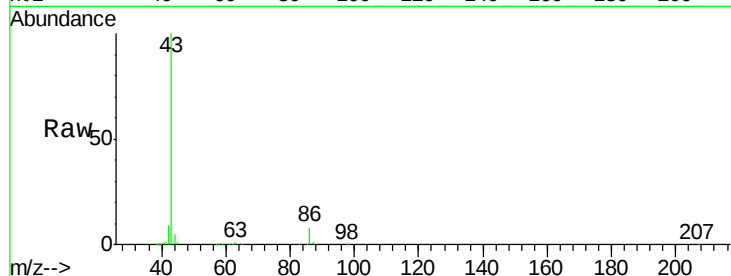
86 8.2 6.7 10.1

Manual Integrations

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MMDadoda

7/9/2020 10:54:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

250000

200000

150000

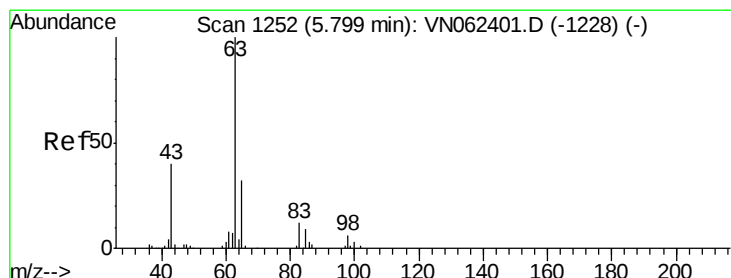
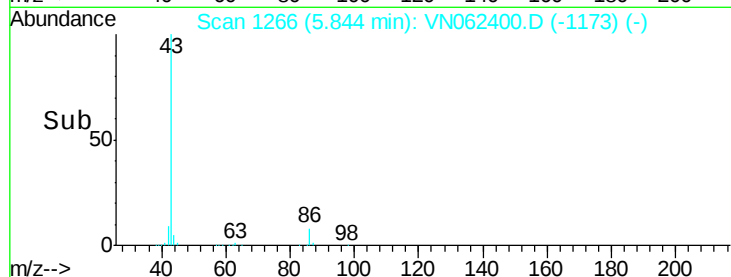
100000

50000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.424 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

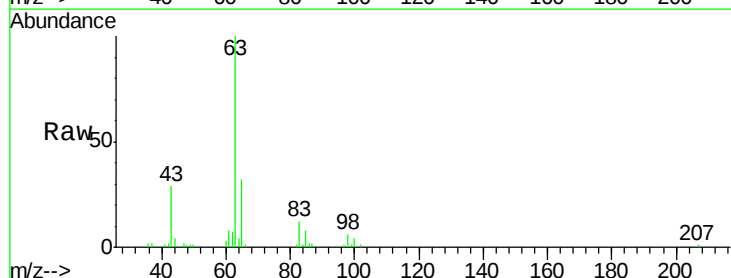
Tgt Ion: 63 Resp: 94342

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.7 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

40000

30000

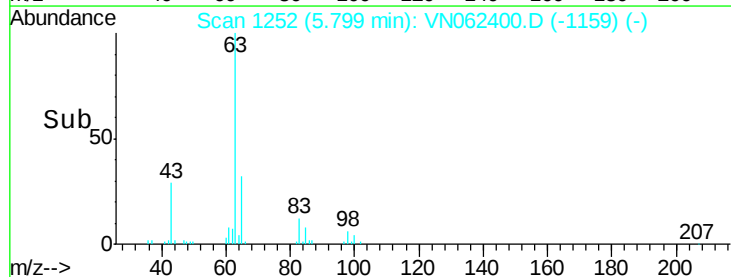
20000

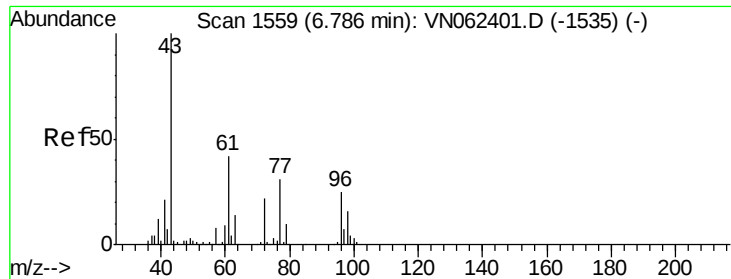
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 90.532 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 182678

Ion Ratio Lower Upper

43 100

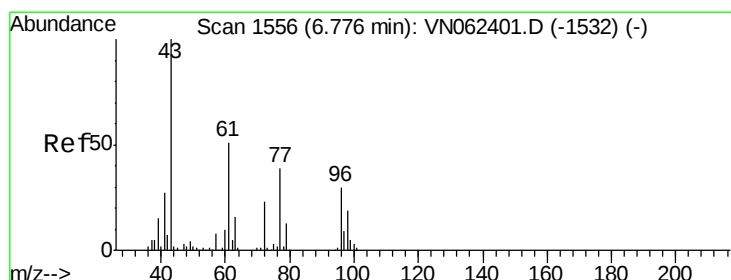
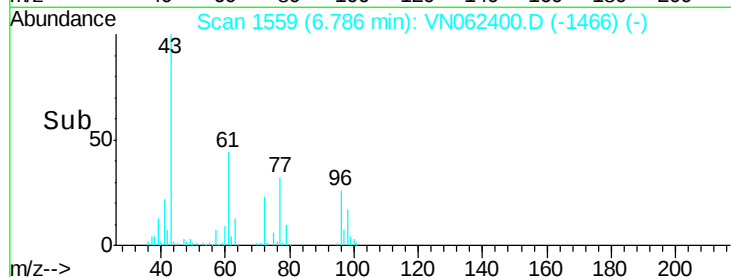
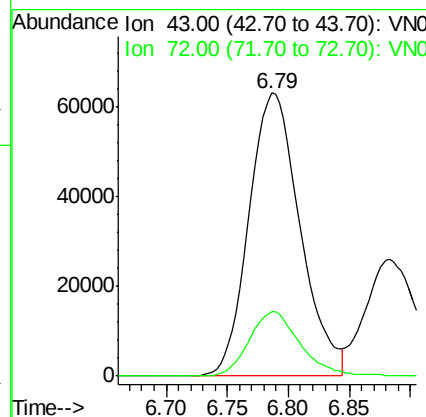
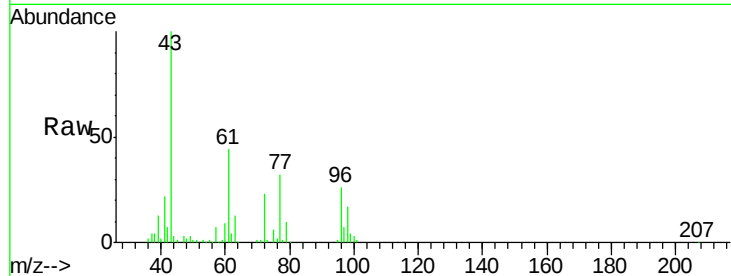
72 22.9 17.9 26.9

Manual Integrations

APPROVED

MMDadoda

7/9/2020 10:54:50 AM



#26

2,2-Dichloropropane

Concen: 18.094 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062400.D

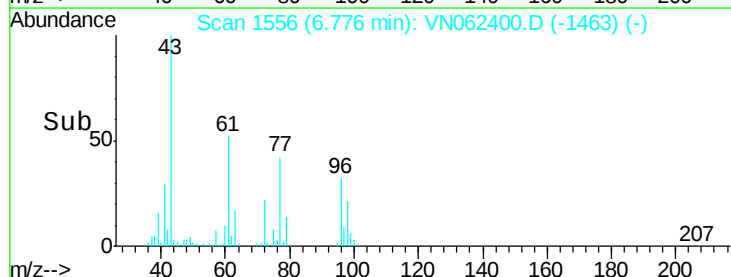
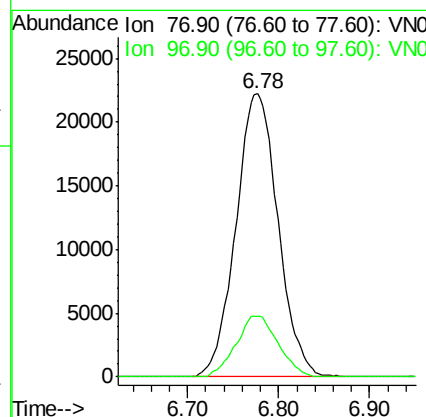
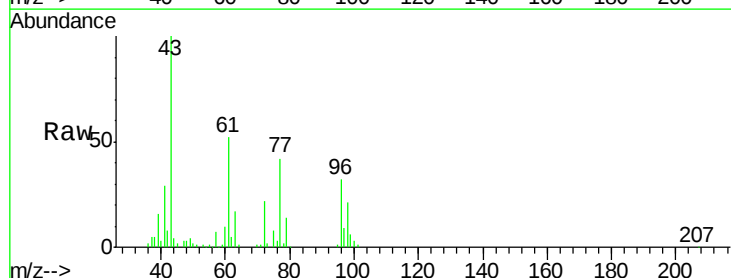
Acq: 8 Jul 2020 11:02

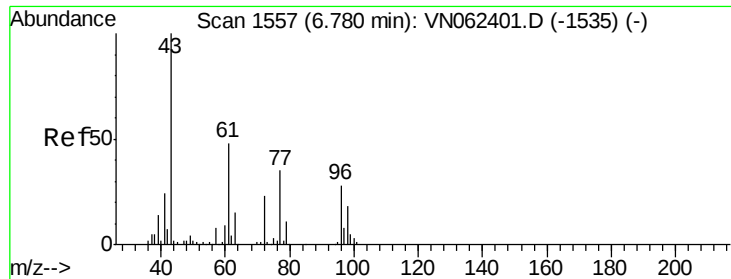
Tgt Ion: 77 Resp: 71422

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.9





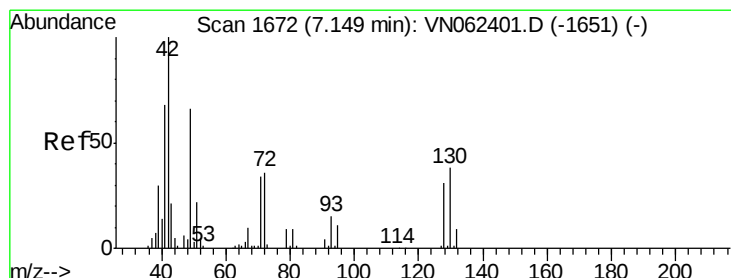
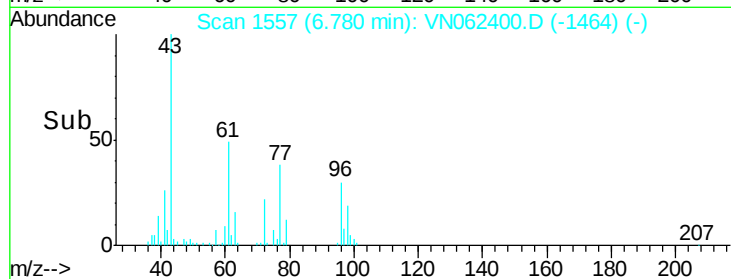
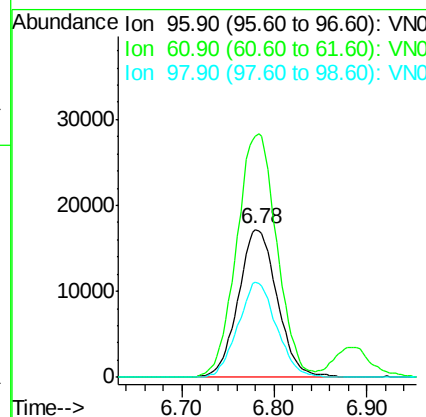
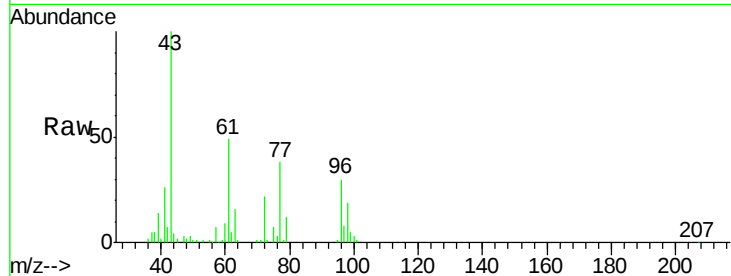
#27
 cis-1,2-Dichloroethene
 Concen: 19.607 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	49975		
61	170.0		0.0	343.4
98	63.6		0.0	128.4

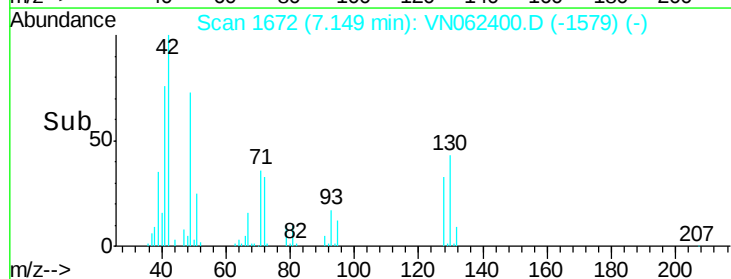
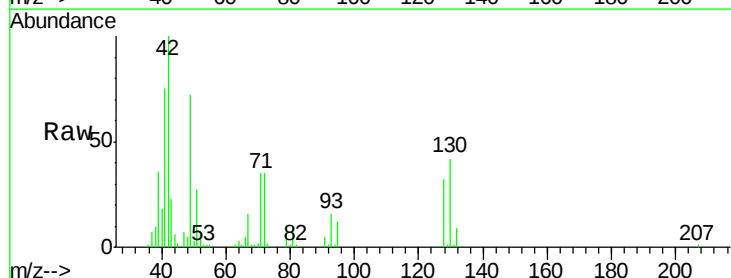
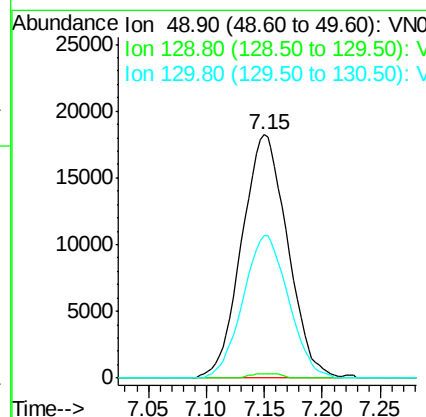
Manual Integrations
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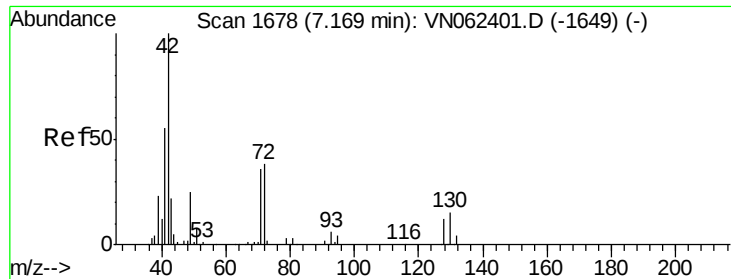
MMDadoda
 7/9/2020 10:54:50 AM



#28
 Bromochloromethane
 Concen: 18.773 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	50099		
129	1.2		0.0	2.8
130	58.1		46.5	69.7





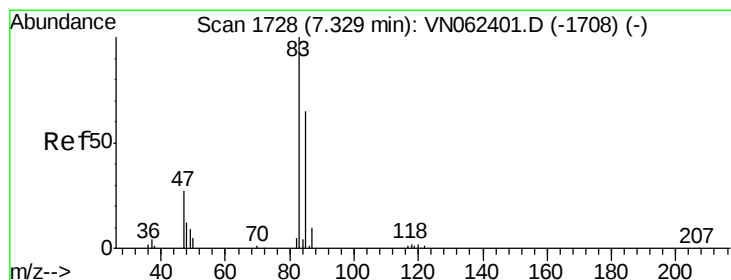
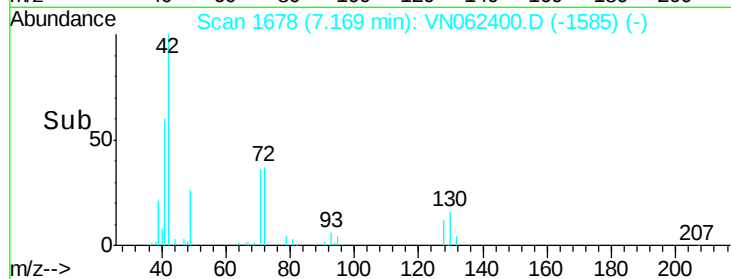
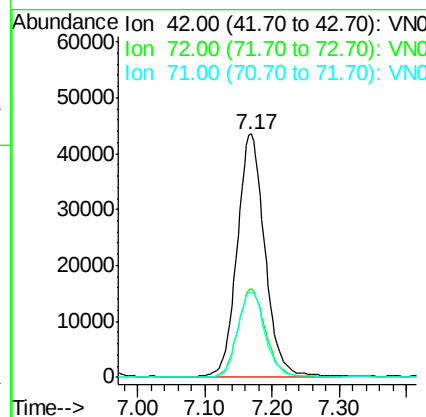
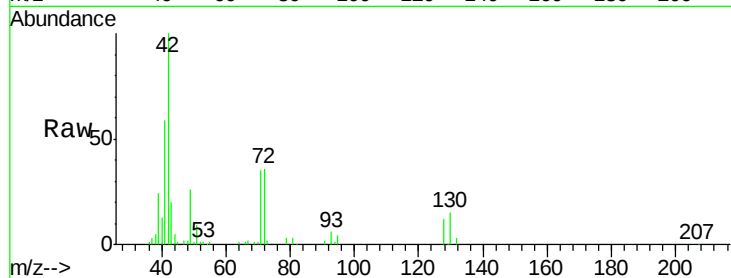
#29
Tetrahydrofuran
Concen: 96.965 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	29.1	43.7
71	34.6	28.1	42.1

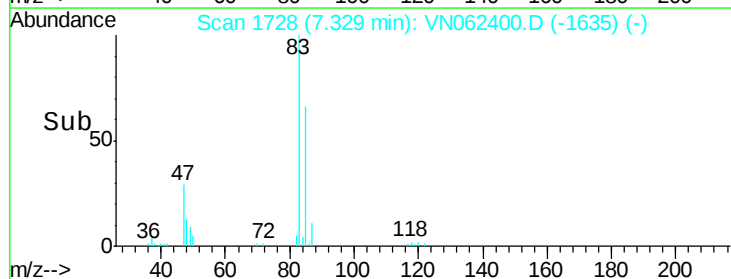
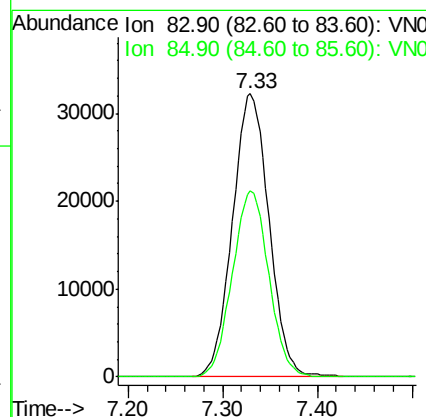
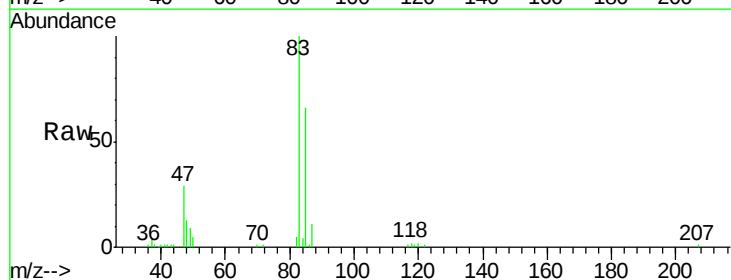
Manual Integrations
APPROVED

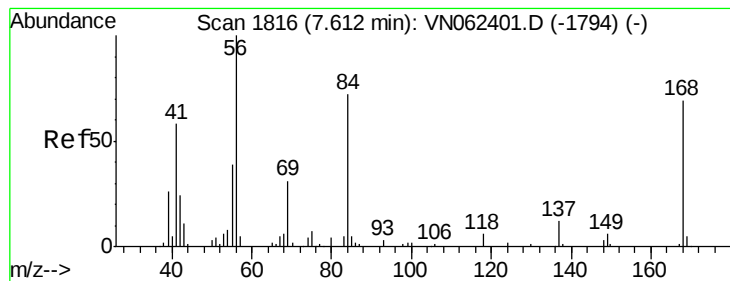
MMDadoda
7/9/2020 10:54:50 AM



#30
Chloroform
Concen: 18.449 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.6





#31

Cyclohexane

Concen: 19.297 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

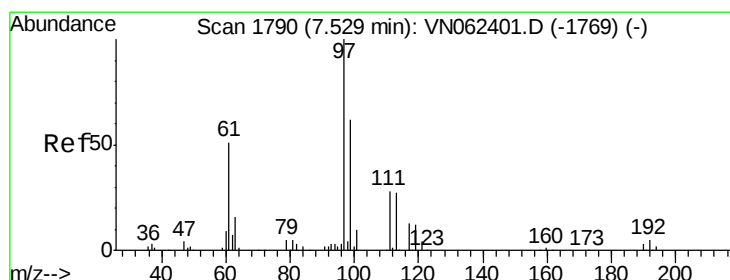
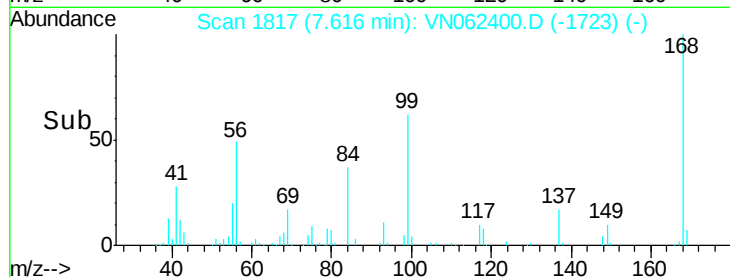
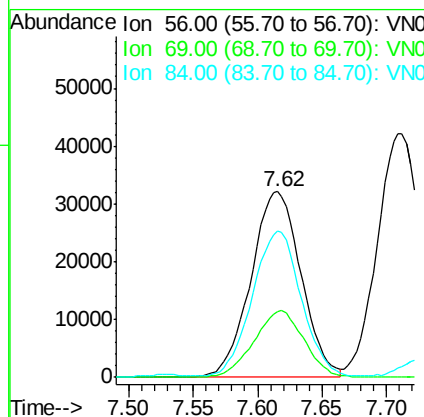
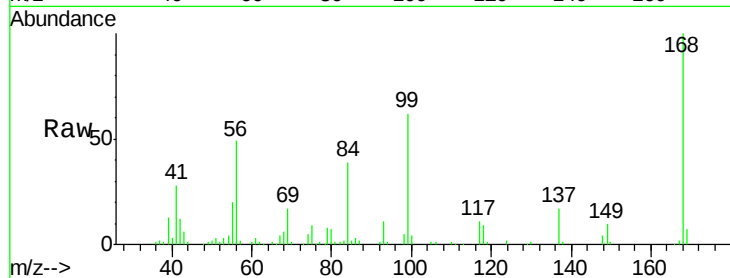
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	86863
Ion	Ratio	Lower	Upper
56	100		
69	35.5	24.5	36.7
84	77.8	57.4	86.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.208 ug/l

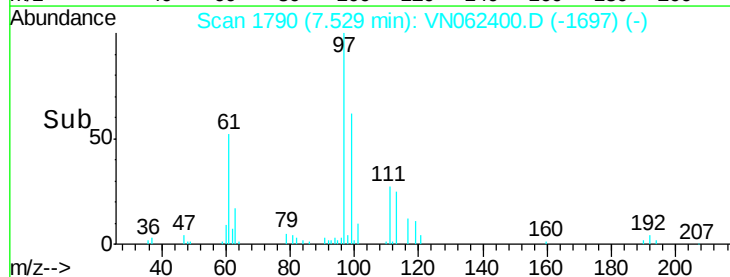
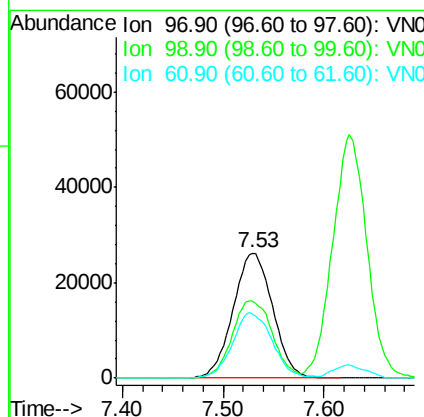
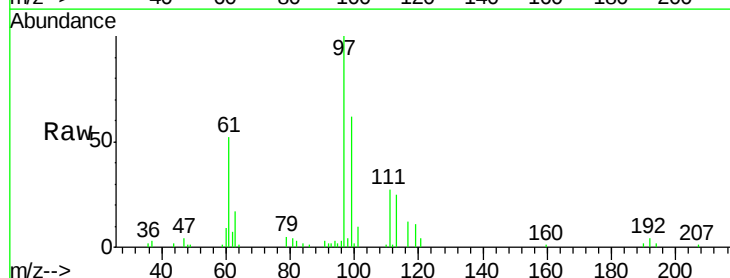
RT: 7.53 min Scan# 1790

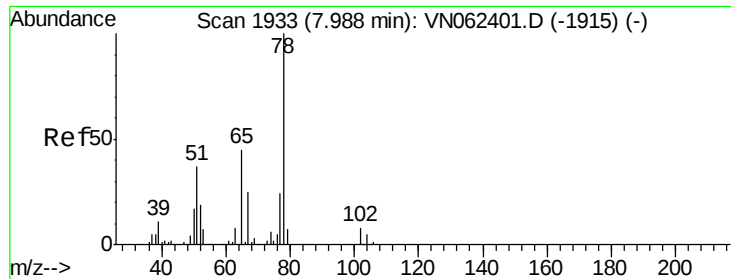
Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion:	97	Resp:	71479
Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.4	75.6
61	52.2	39.9	59.9





#33

1,2-Dichloroethane-d4

Concen: 16.810 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 65 Resp: 57346

Ion Ratio Lower Upper

65 100

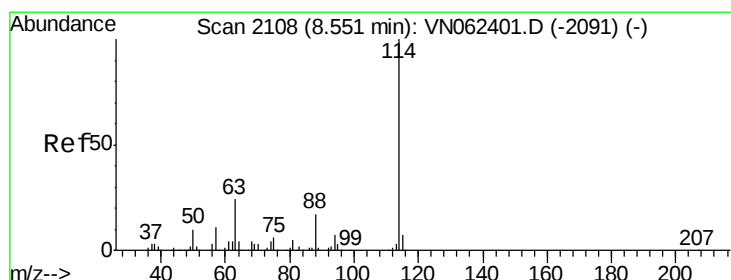
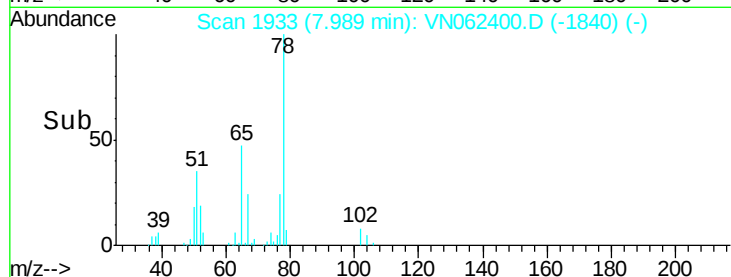
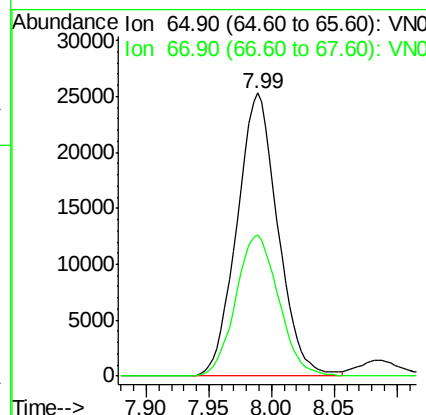
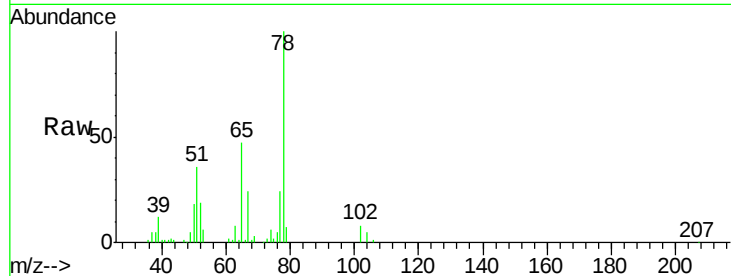
67 52.1 0.0 107.6

Manual Integrations

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7/9/2020 10:54:50 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

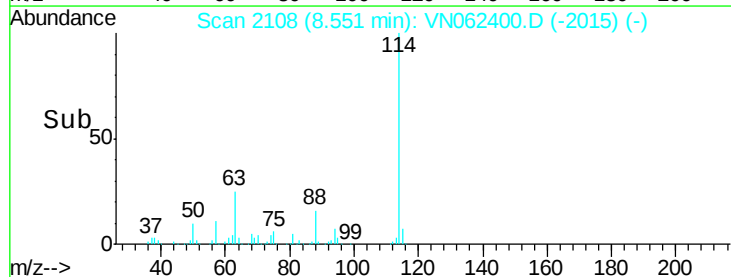
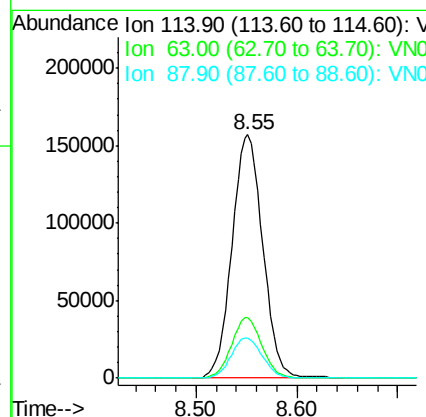
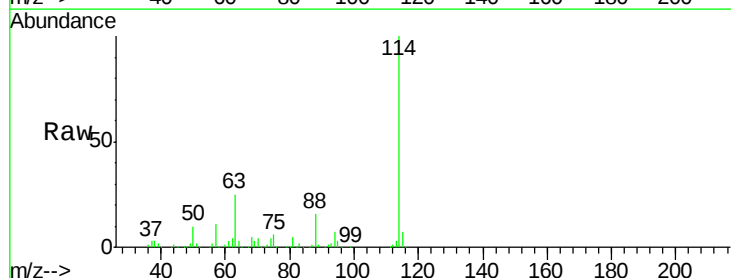
Tgt Ion: 114 Resp: 332809

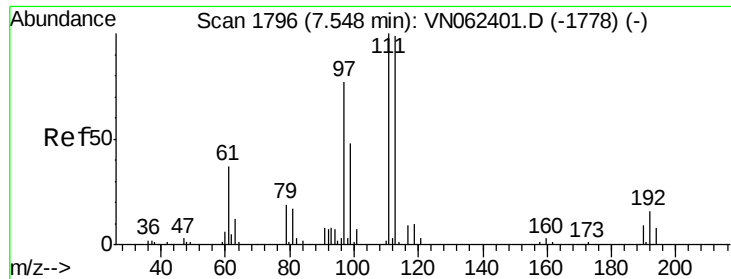
Ion Ratio Lower Upper

114 100

63 24.8 0.0 48.4

88 16.4 0.0 33.8





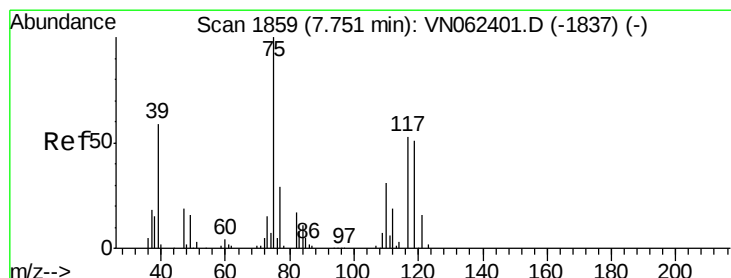
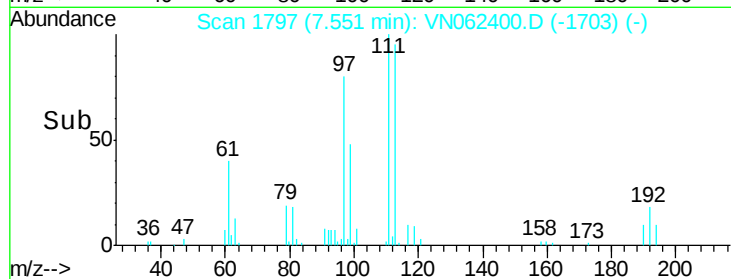
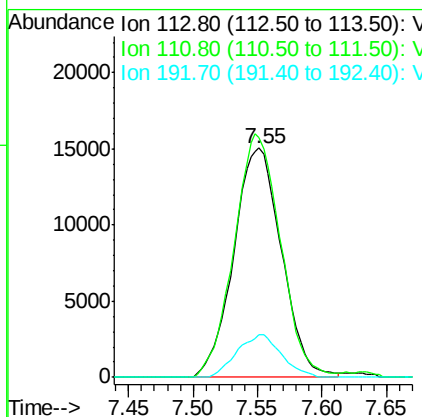
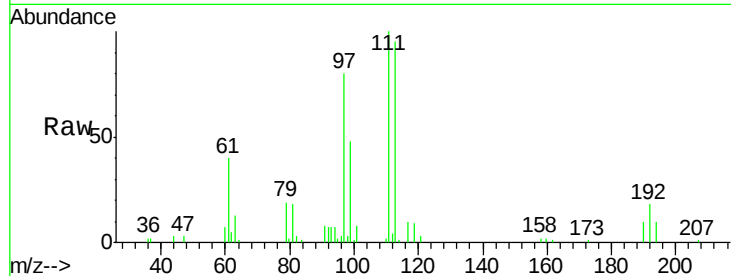
#35
 Dibromofluoromethane
 Concen: 17.423 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	38817		
111	103.1	83.1	124.7	
192	17.3	14.1	21.1	

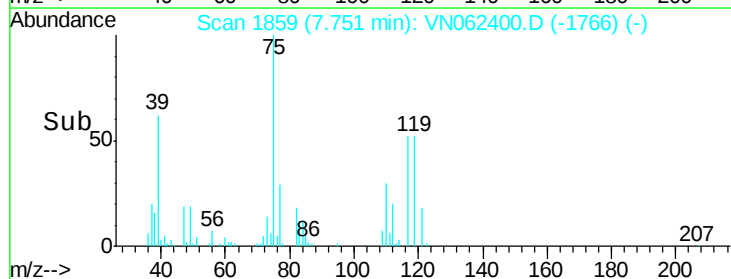
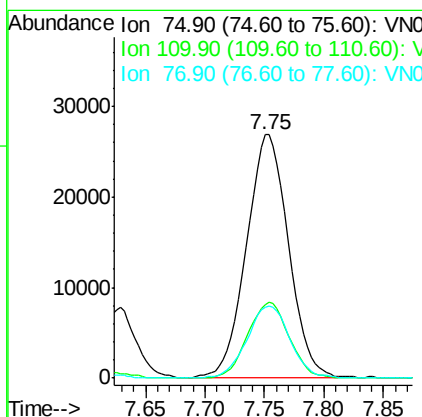
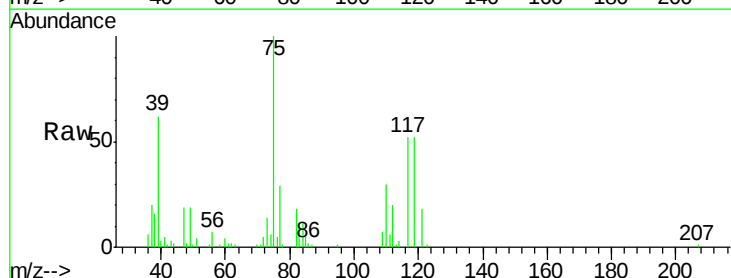
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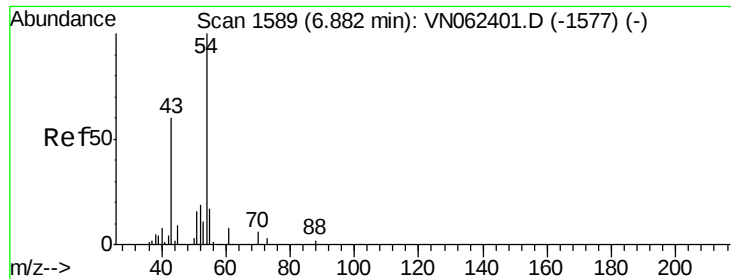
MMDadoda
 7/9/2020 10:54:50 AM



#36
 1,1-Dichloropropene
 Concen: 18.696 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	65878		
110	30.6	15.4	46.2	
77	30.2	24.1	36.1	





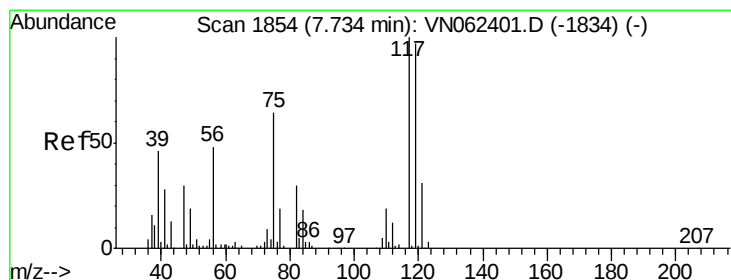
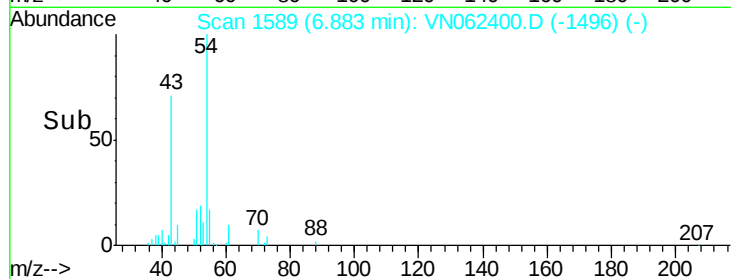
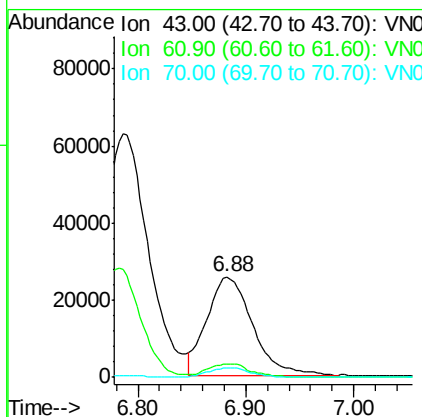
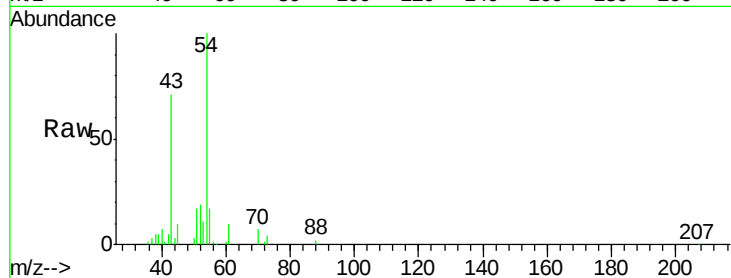
#37
Ethyl Acetate
Concen: 18.399 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	75457
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	9.0	7.2	10.8

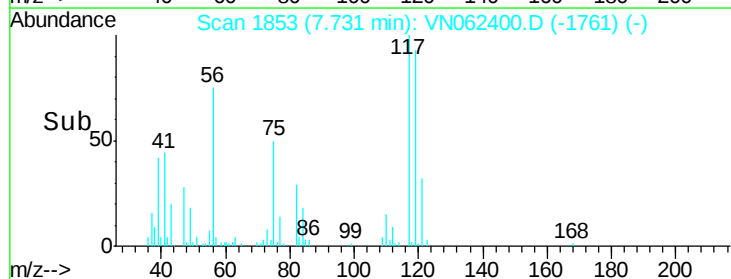
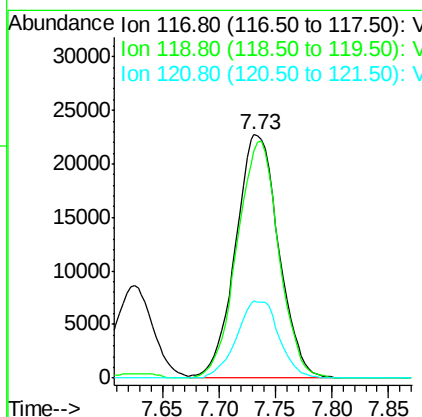
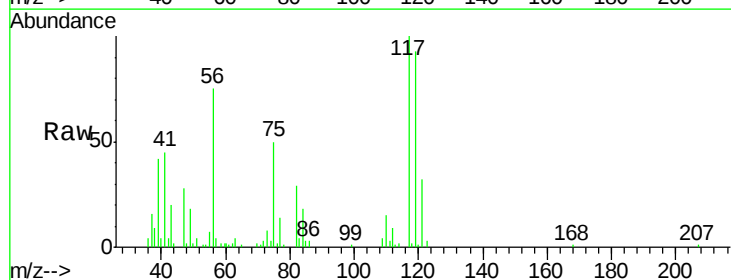
Manual Integrations
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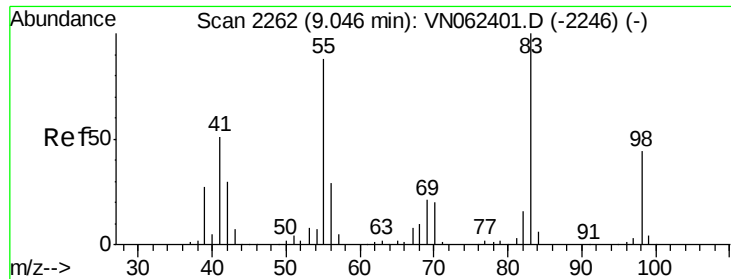
MMDadoda
7/9/2020 10:54:50 AM



#38
Carbon Tetrachloride
Concen: 17.320 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	117	Resp	60231
Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.2	115.8
121	31.8	24.8	37.2





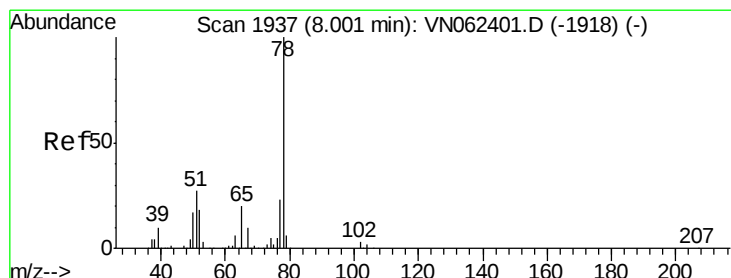
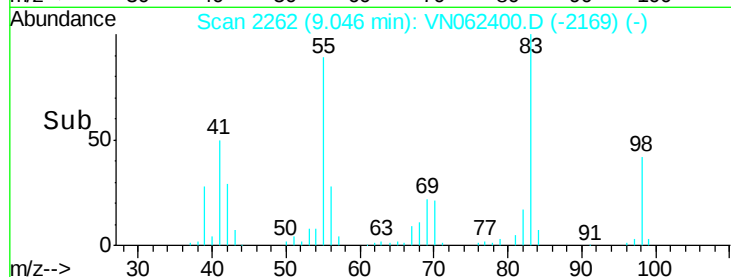
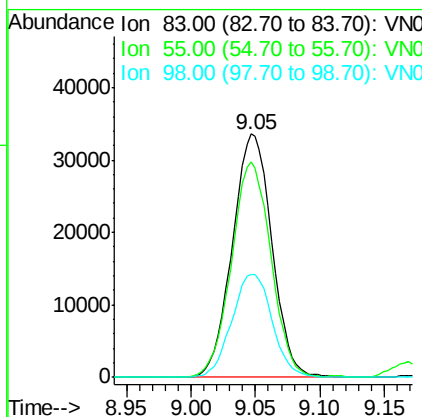
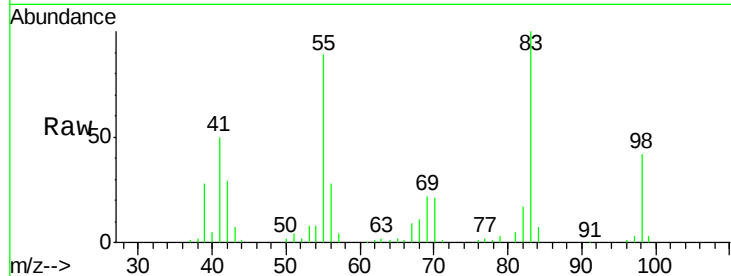
#39
Methvlcvclohexane
Concen: 18.883 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	83	Resp	71623
Ion Ratio	100	Lower	Upper
83	100		
55	88.6	70.5	105.7
98	42.4	35.5	53.3

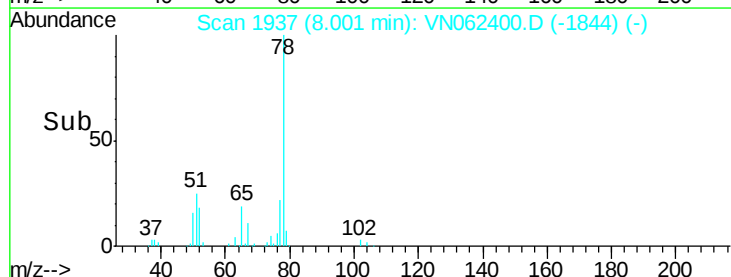
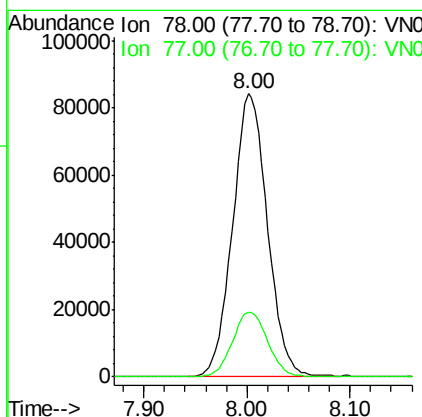
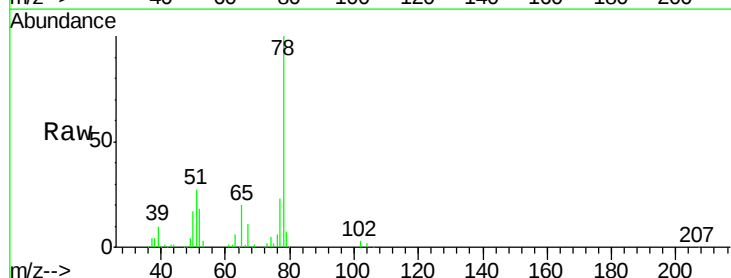
Manual Integrations
APPROVED

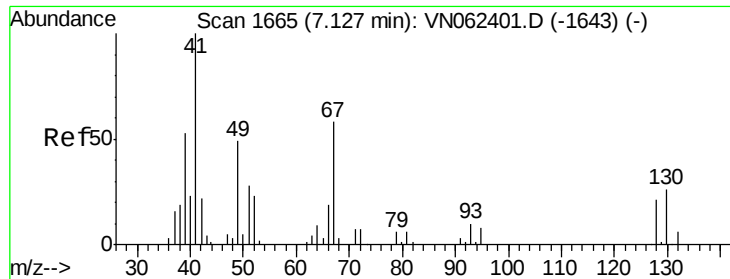
MMDadoda
7/9/2020 10:54:50 AM



#40
Benzene
Concen: 19.728 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	78	Resp	197746
Ion Ratio	100	Lower	Upper
78	100		
77	22.6	18.7	28.1





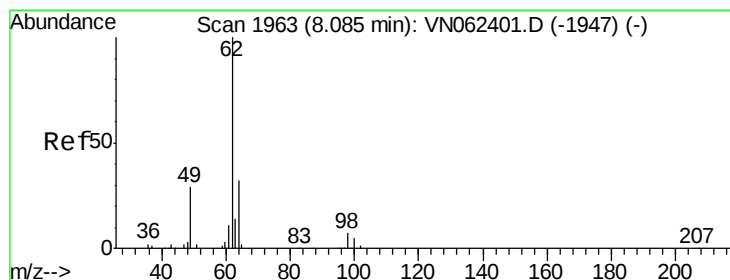
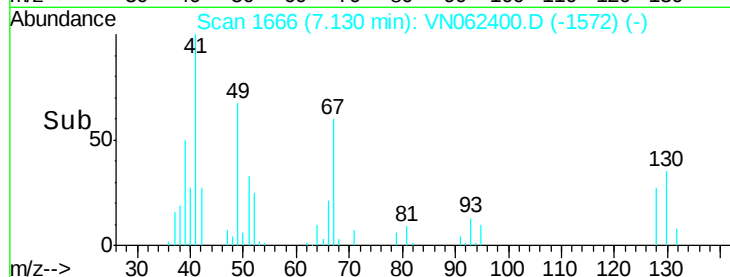
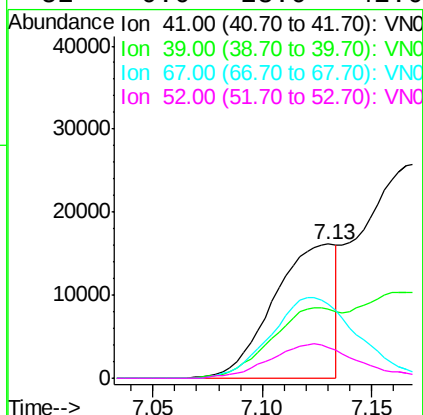
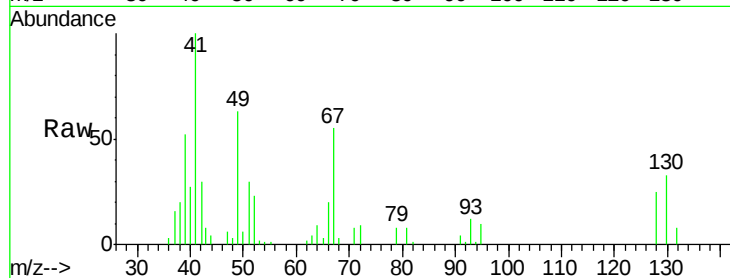
#41
Methacrylonitrile
Concen: 15.655 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.2#
67	0.0	64.2	96.2#
52	0.0	28.0	42.0#

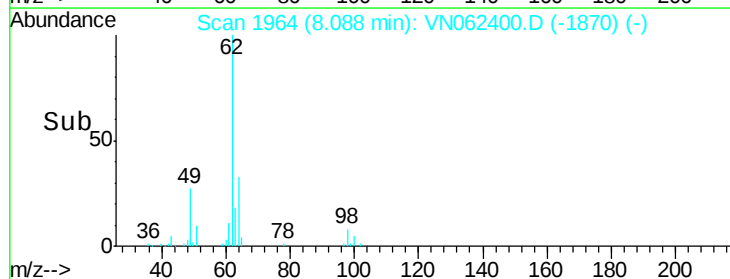
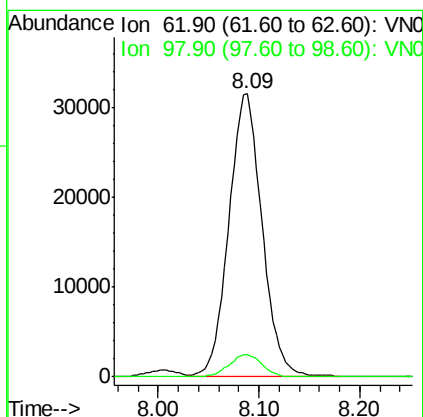
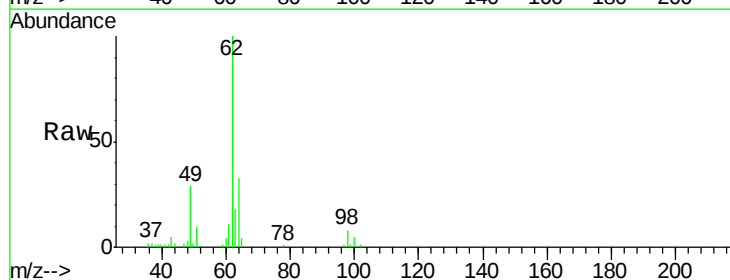
Manual Integrations
APPROVED

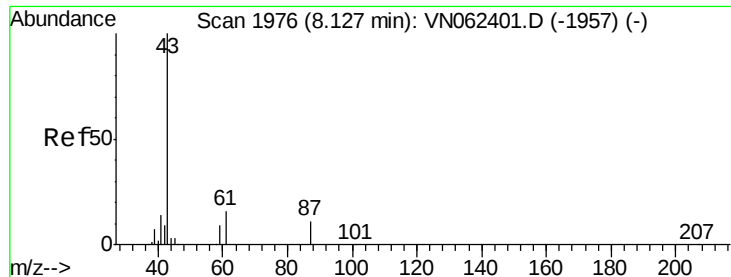
MMDadoda
7/9/2020 10:54:50 AM



#42
1,2-Dichloroethane
Concen: 16.841 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8





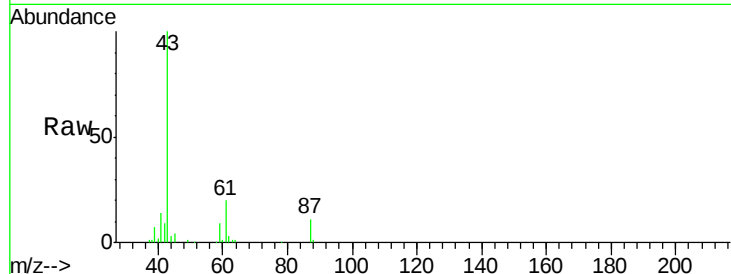
#43
Isopropyl Acetate
Concen: 18.076 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

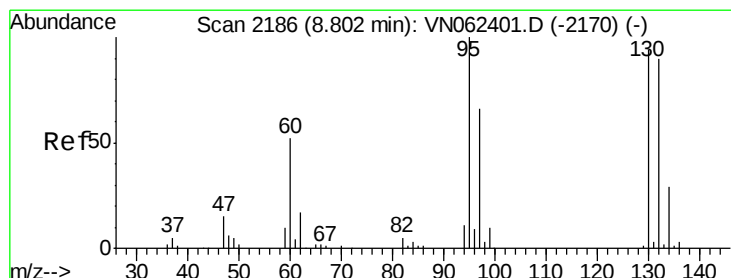
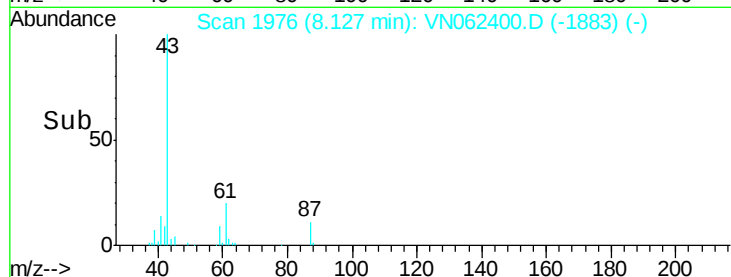
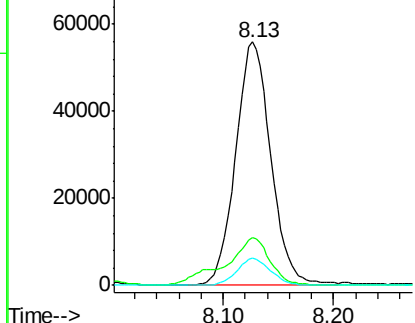
Tot Ion	43	Resp	123824
Ion	Ratio	Lower	Upper
43	100		
61	24.9	19.3	28.9
87	10.5	8.6	13.0

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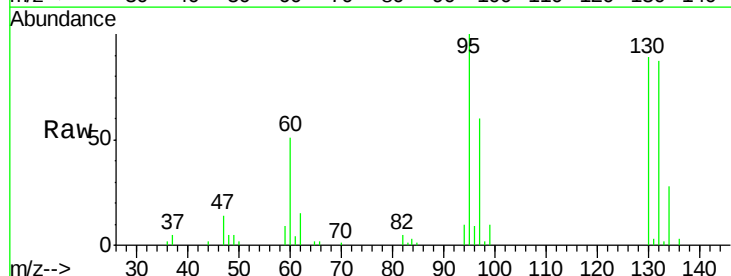


Abundance Ion 43.00 (42.70 to 43.70): VN062400.D (-1883) (-)
Ion 61.00 (60.70 to 61.70): VN062400.D (-1883) (-)
Ion 87.00 (86.70 to 87.70): VN062400.D (-1883) (-)

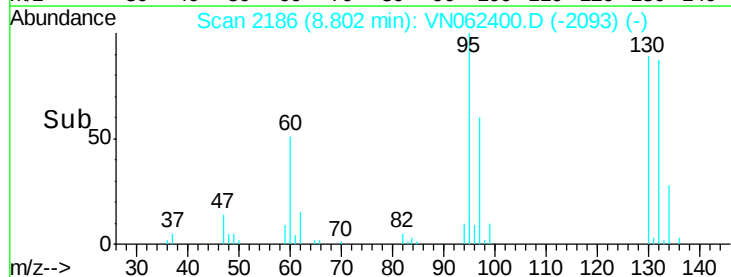
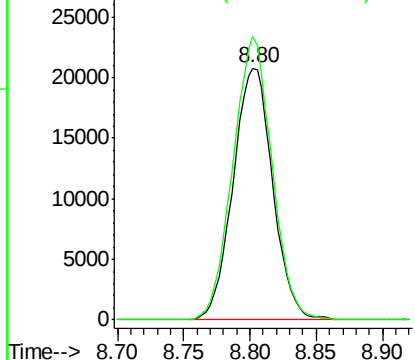


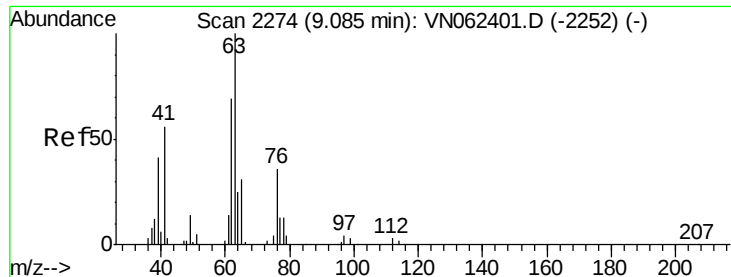
#44
Trichloroethene
Concen: 18.132 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	130	Resp	43137
Ion	Ratio	Lower	Upper
130	100		
95	112.5	0.0	213.8



Abundance Ion 129.80 (129.50 to 130.50): VN062400.D (-2093) (-)
Ion 94.90 (94.60 to 95.60): VN062400.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 19.693 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 57890

Ion Ratio Lower Upper

63 100

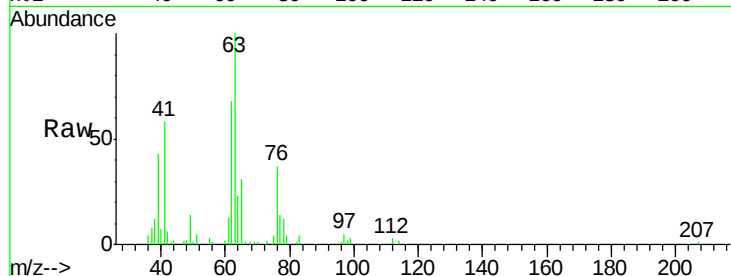
65 30.5 24.6 36.8

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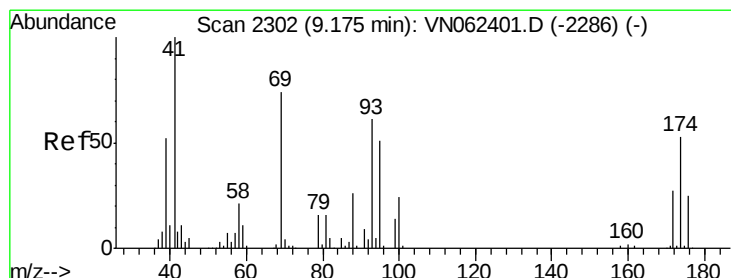
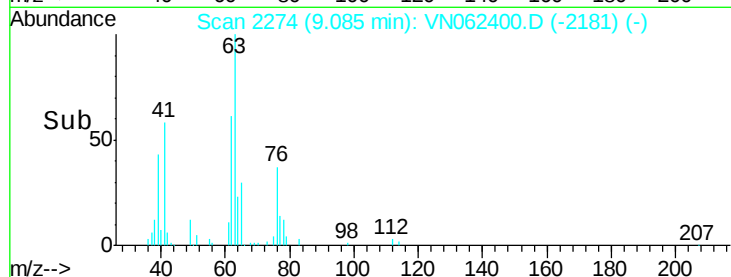
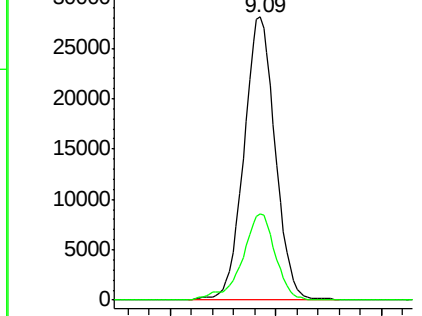
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN062400.D (-2252) (-)

Ion 64.90 (64.60 to 65.60): VN062400.D (-2252) (-)



#46

Dibromomethane

Concen: 18.342 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

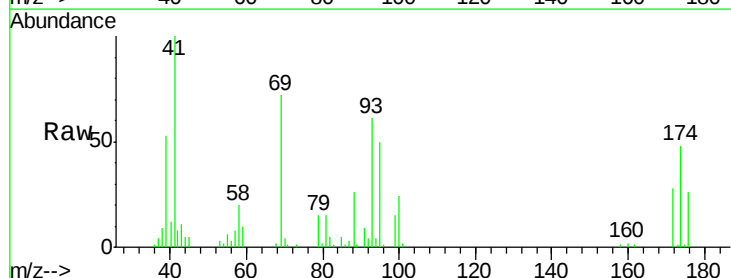
Tgt Ion: 93 Resp: 32909

Ion Ratio Lower Upper

93 100

95 80.6 67.1 100.7

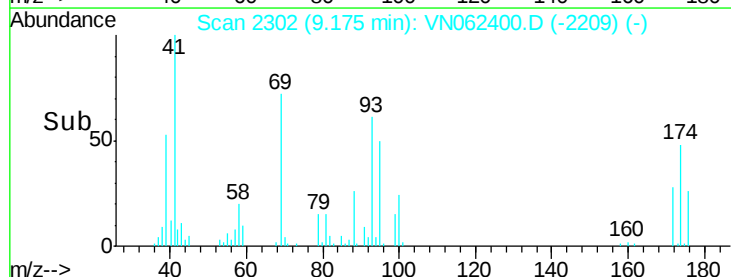
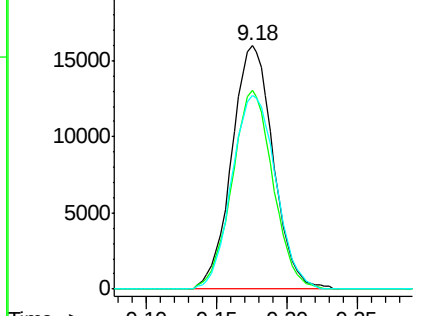
174 84.1 70.4 105.6

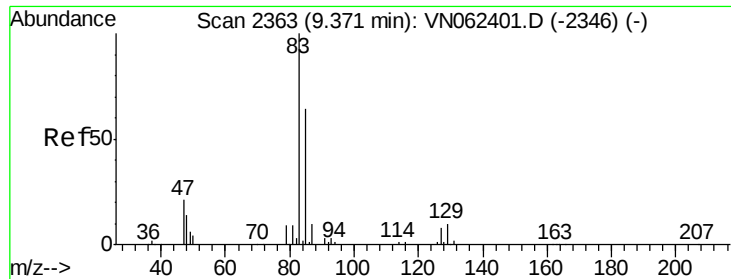


Abundance Ion 92.80 (92.50 to 93.50): VN062400.D (-2286) (-)

Ion 94.80 (94.50 to 95.50): VN062400.D (-2286) (-)

Ion 173.70 (173.40 to 174.40): VN062400.D (-2286) (-)





#47

Bromodichloromethane

Concen: 18.037 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

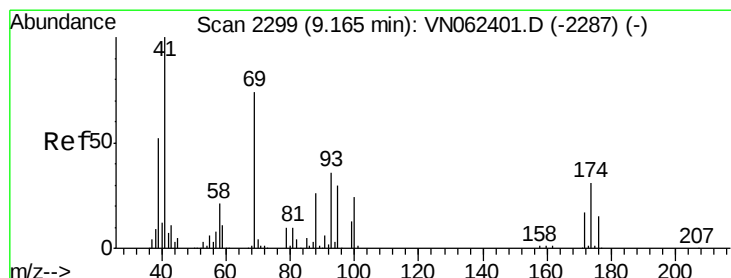
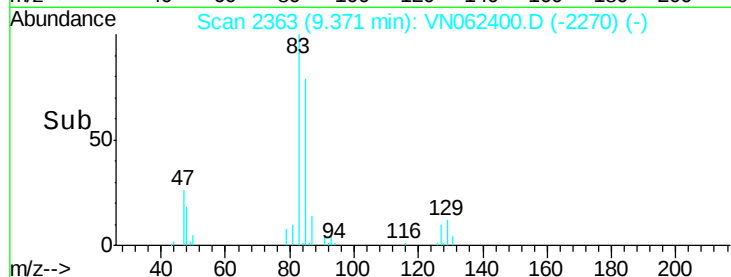
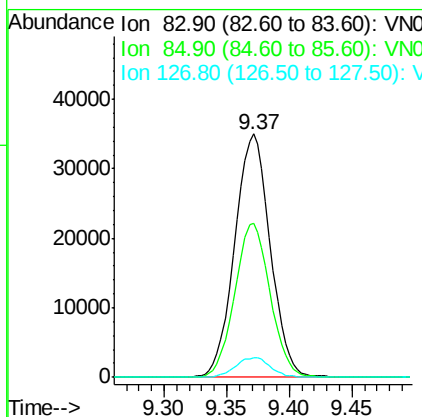
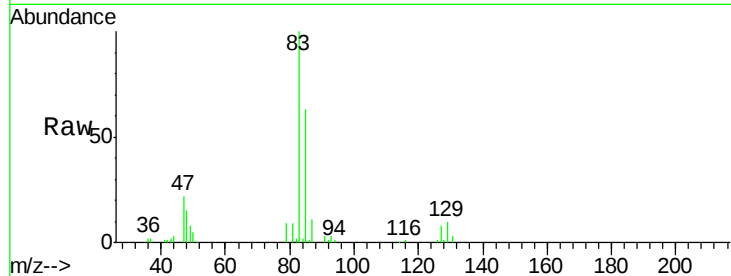
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	69033
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.2	76.8
127	8.0	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.040 ug/l

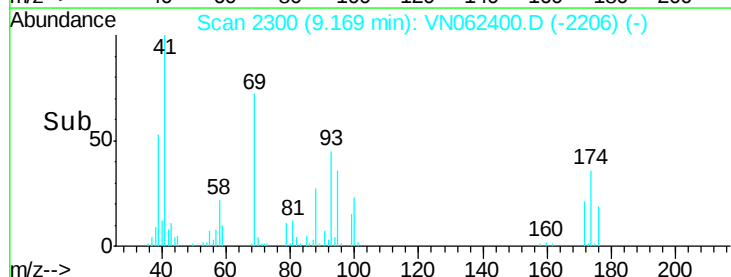
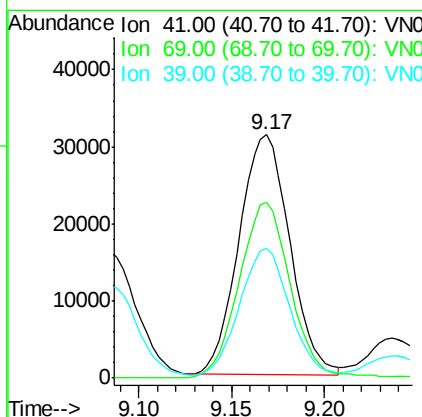
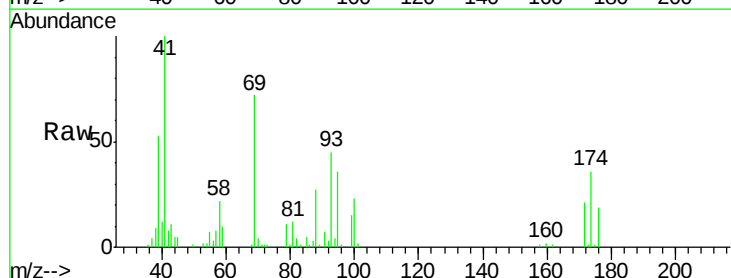
RT: 9.17 min Scan# 2300

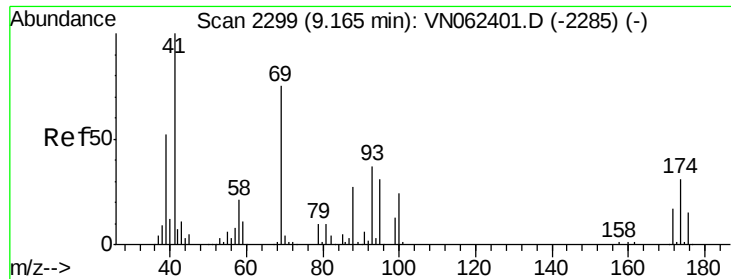
Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion:	41	Resp:	59330
Ion	Ratio	Lower	Upper
41	100		
69	74.0	60.8	91.2
39	53.7	43.5	65.3





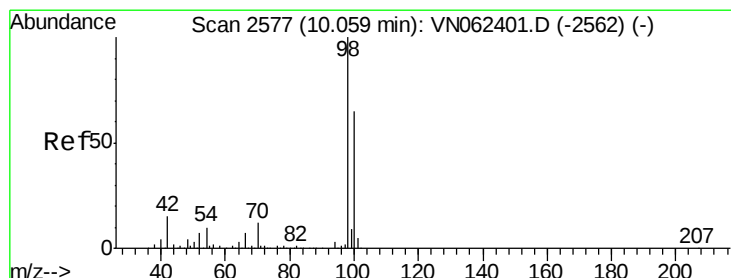
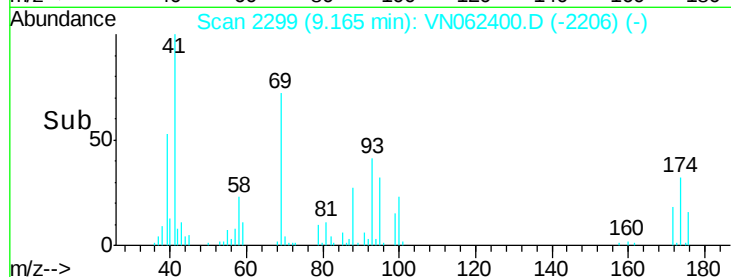
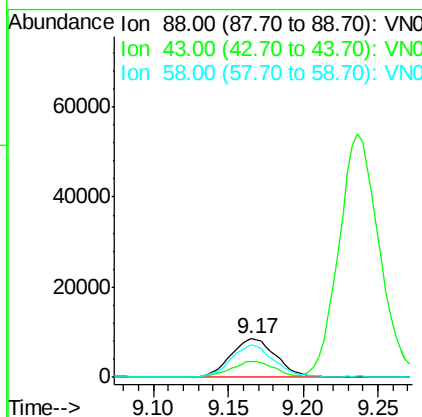
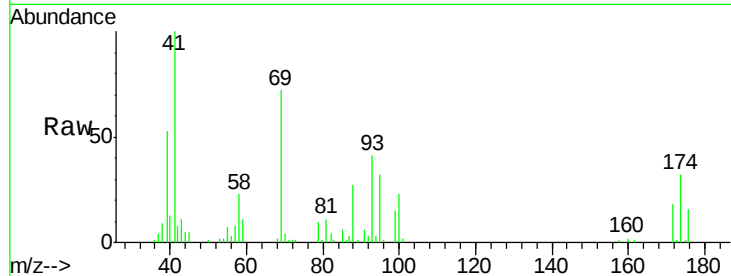
#49
1,4-Dioxane
Concen: 374.753 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	17928
Ion	Ratio	Lower	Upper
88	100		
43	40.7	31.0	46.4
58	81.1	63.3	94.9

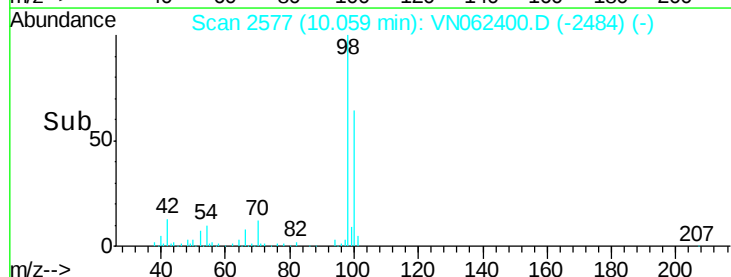
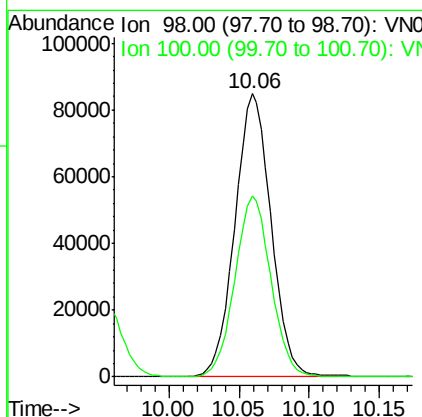
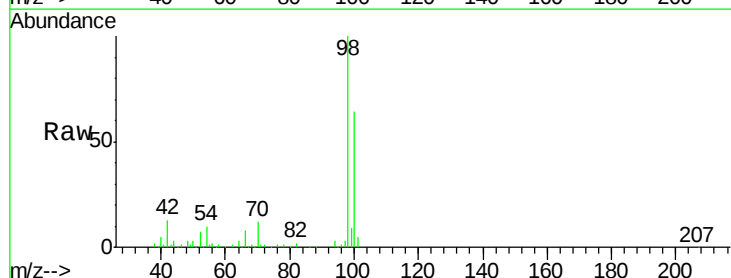
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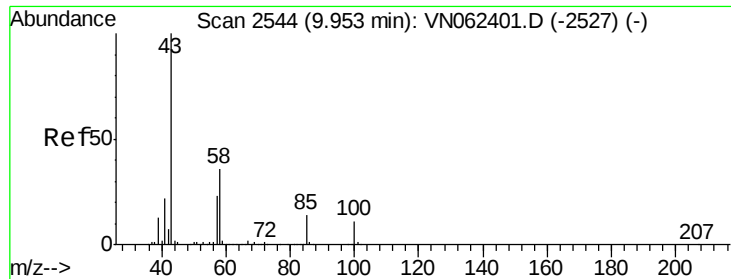
MMDadoda
7/9/2020 10:54:50 AM



#50
Toluene-d8
Concen: 18.252 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	98	Resp	152638
Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 101.727 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 375819

Ion Ratio Lower Upper

43 100

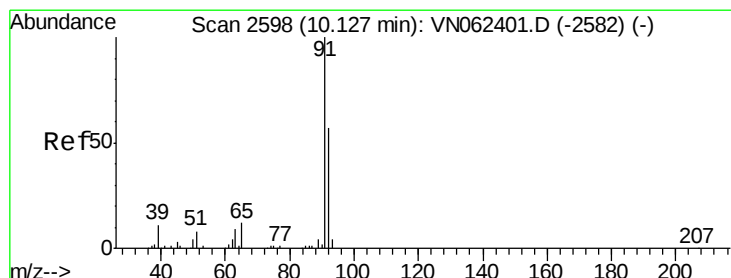
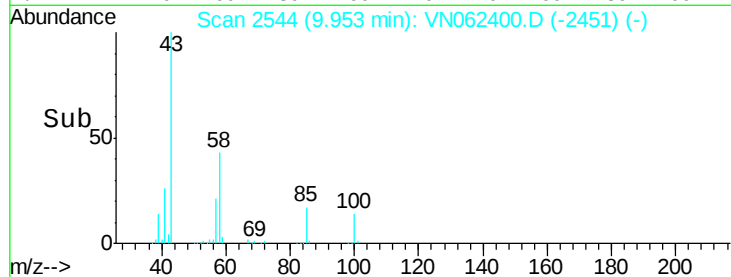
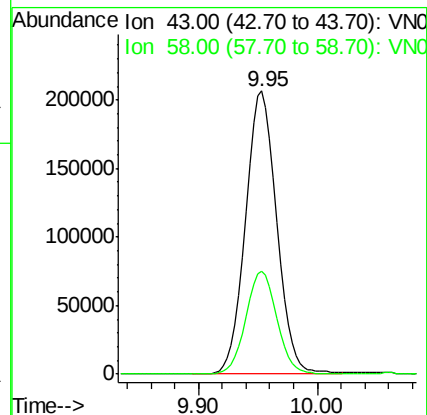
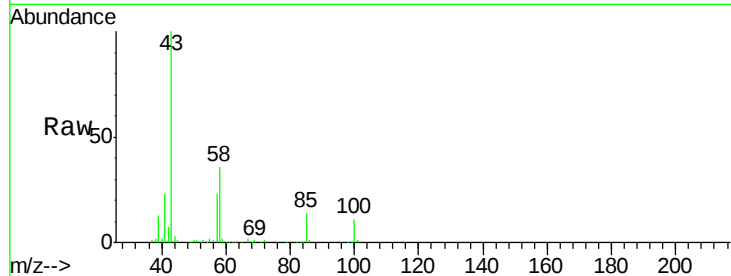
58 36.0 29.0 43.6

Manual Integrations

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7/9/2020 10:54:50 AM



#52

Toluene

Concen: 19.400 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062400.D

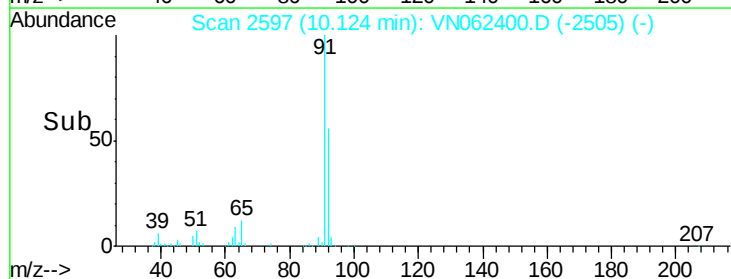
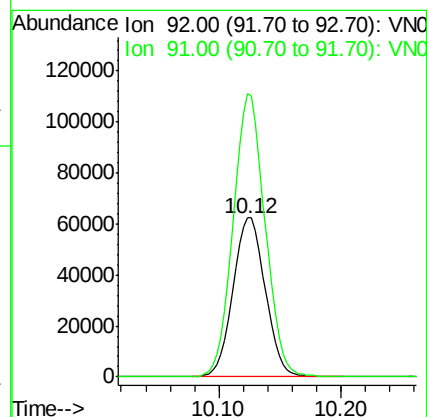
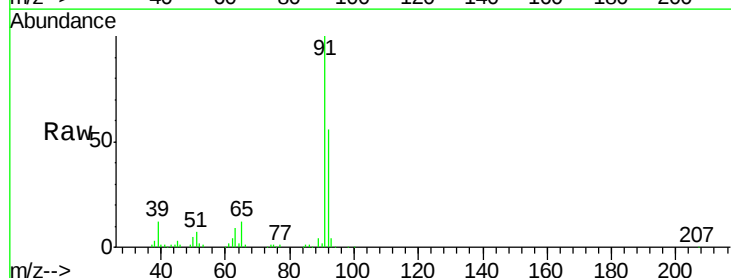
Acq: 8 Jul 2020 11:02

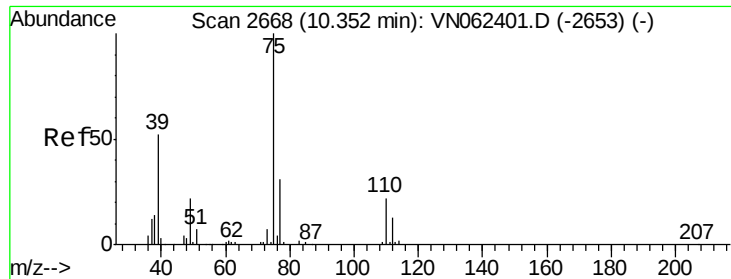
Tgt Ion: 92 Resp: 115253

Ion Ratio Lower Upper

92 100

91 175.5 141.0 211.6





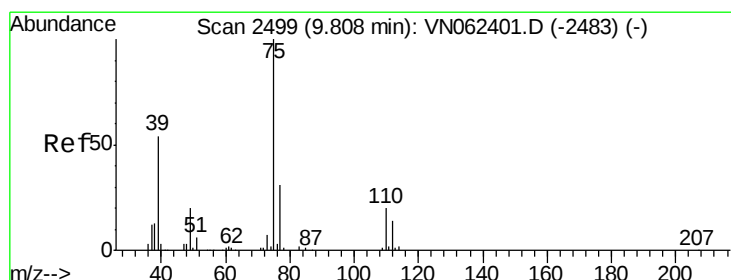
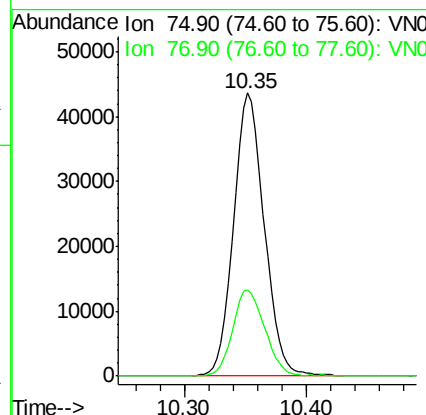
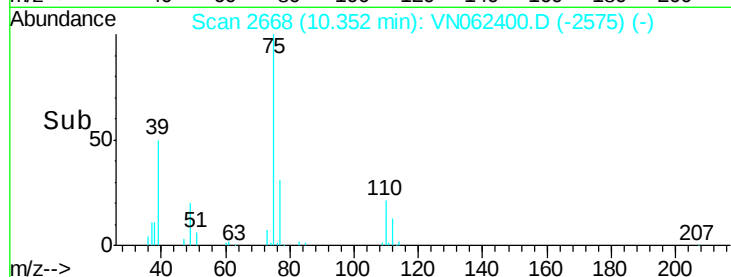
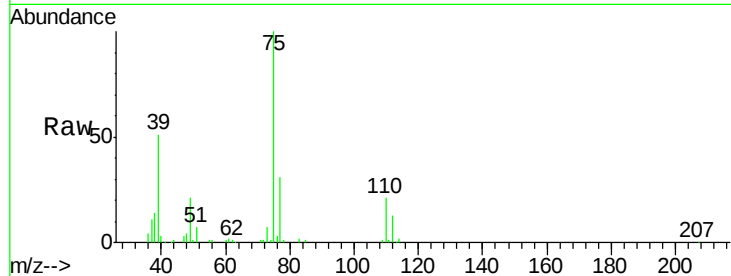
#53
 t-1,3-Dichloropropene
 Concen: 18.555 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 76461
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.2 37.8

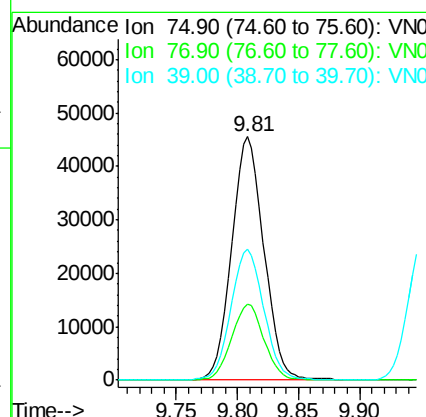
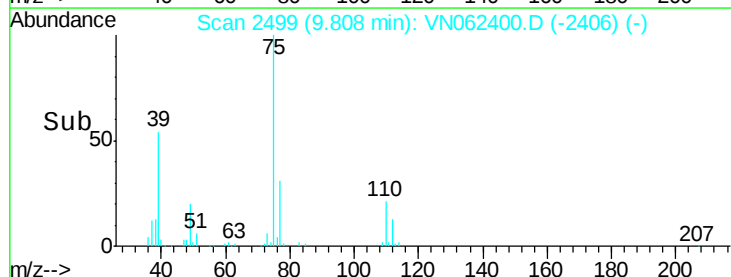
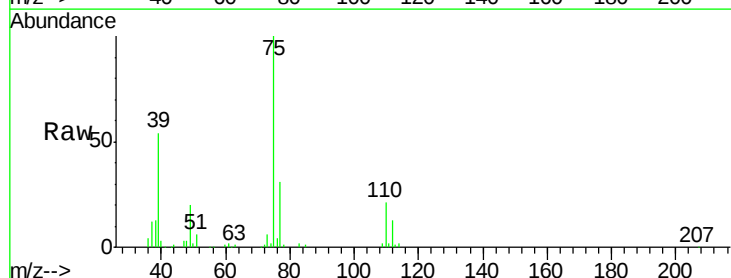
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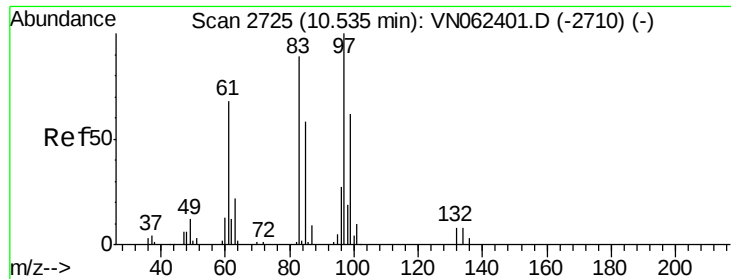
MMDadoda
 7/9/2020 10:54:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.967 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 75 Resp: 84125
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.5 36.7
 39 53.8 43.4 65.0





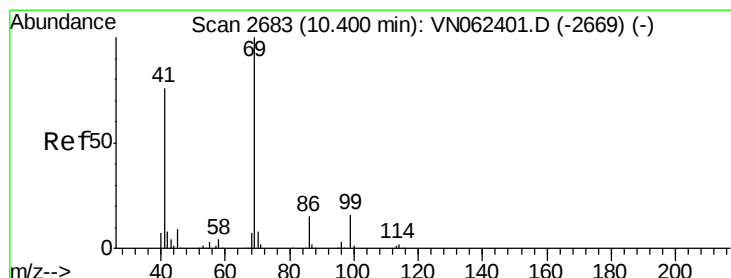
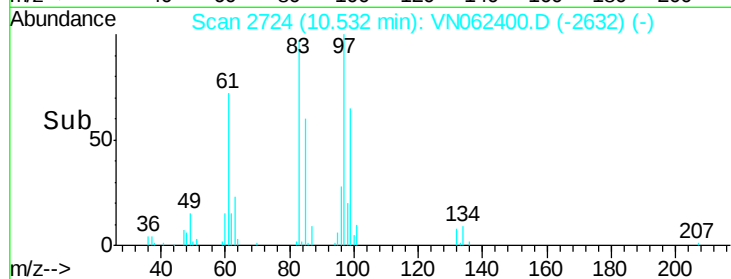
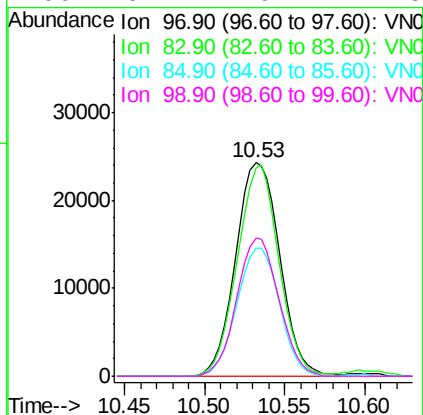
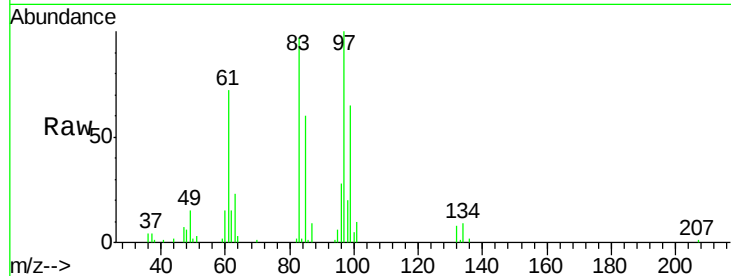
#55
 1,1,2-Trichloroethane
 Concen: 19.117 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	45778
Ion	Ratio	Lower	Upper
97	100		
83	97.4	71.0	106.4
85	60.0	46.2	69.4
99	64.7	49.7	74.5

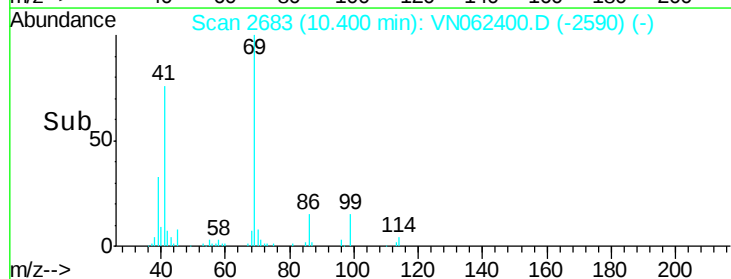
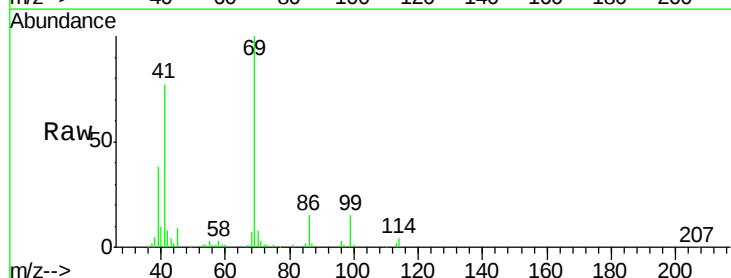
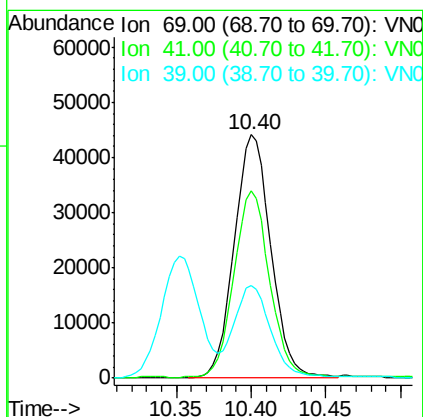
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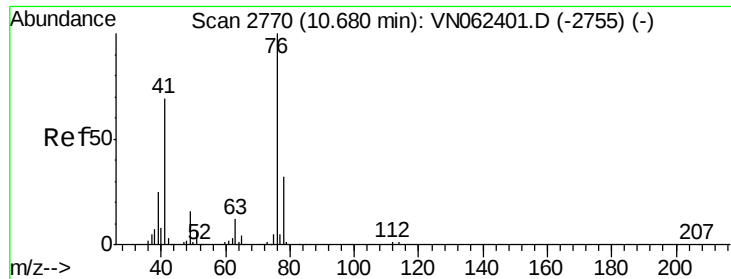
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 7/9/2020 10:54:50 AM



#56
 Ethyl methacrylate
 Concen: 19.496 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion:	69	Resp:	75359
Ion	Ratio	Lower	Upper
69	100		
41	76.4	59.7	89.5
39	37.8	30.6	45.8





#57

1,3-Dichloropropane

Concen: 18.704 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 82869

Ion Ratio Lower Upper

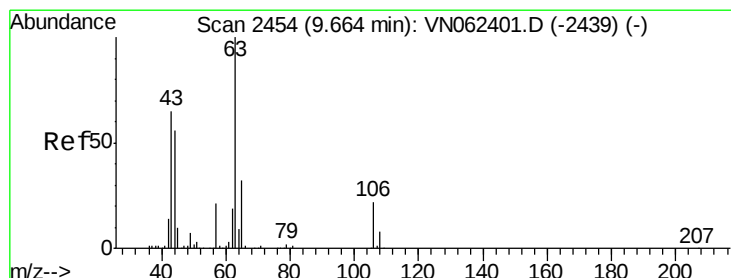
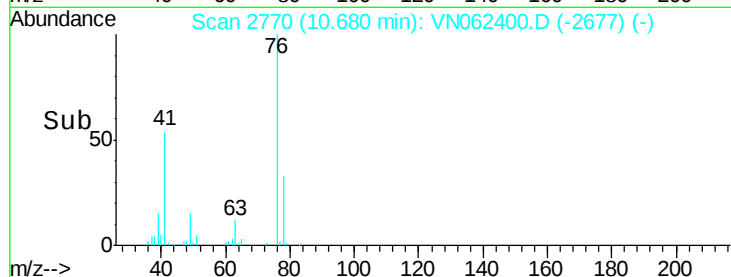
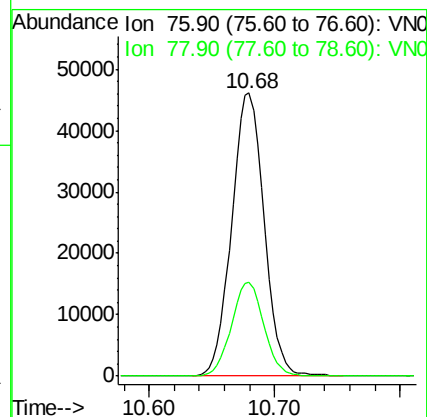
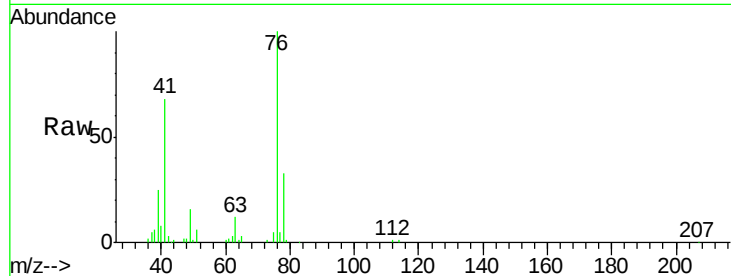
76 100

78 33.0 25.6 38.4

Manual Integrations
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7/9/2020 10:54:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 87.557 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062400.D

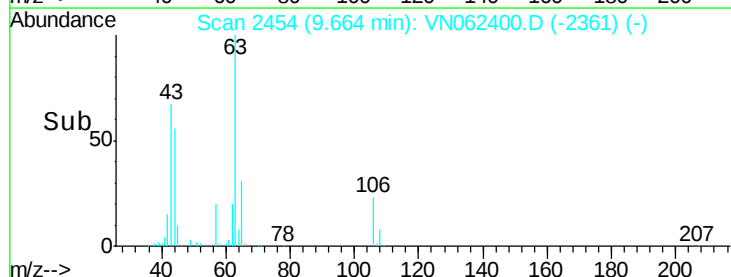
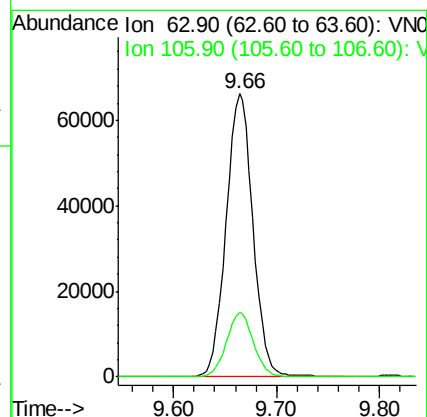
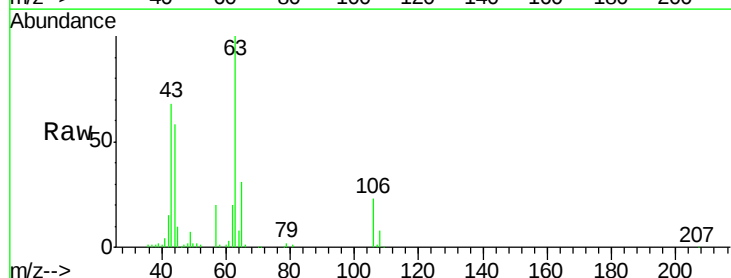
Acq: 8 Jul 2020 11:02

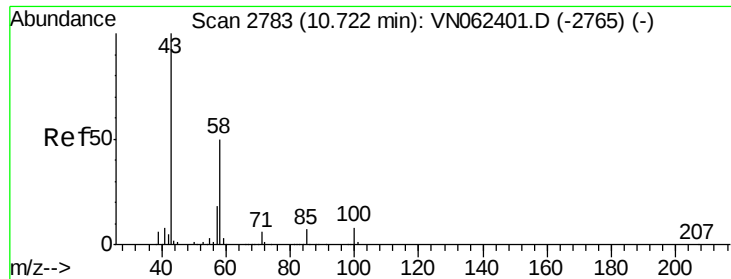
Tgt Ion: 63 Resp: 119778

Ion Ratio Lower Upper

63 100

106 22.7 17.6 26.4





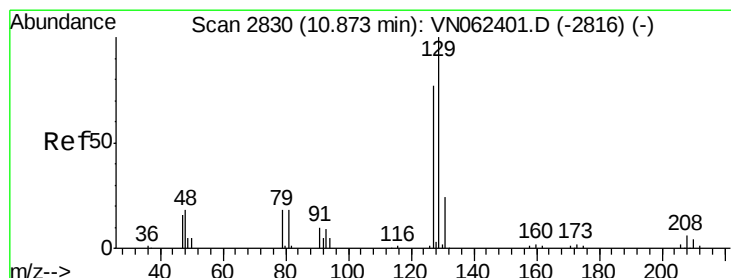
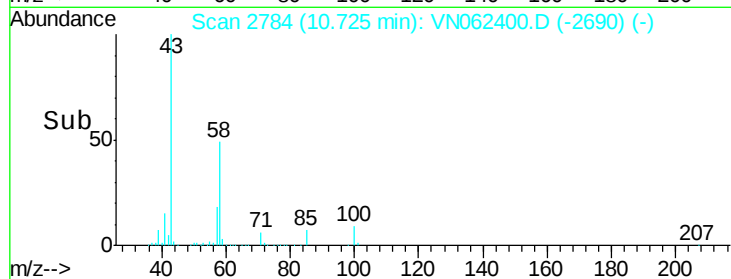
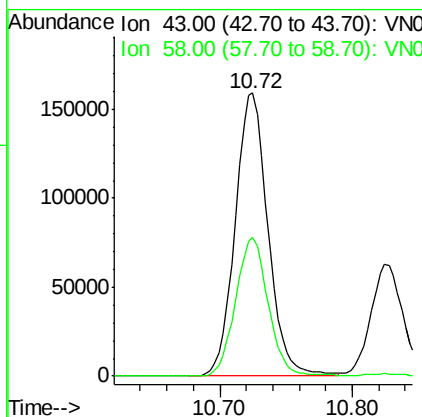
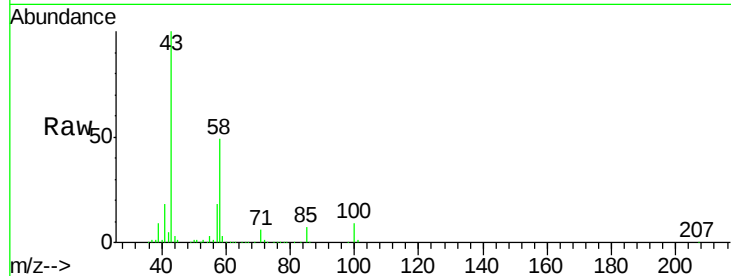
#59
2-Hexanone
Concen: 98.494 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 273227
Ion Ratio Lower Upper
43 100
58 48.4 25.1 75.2

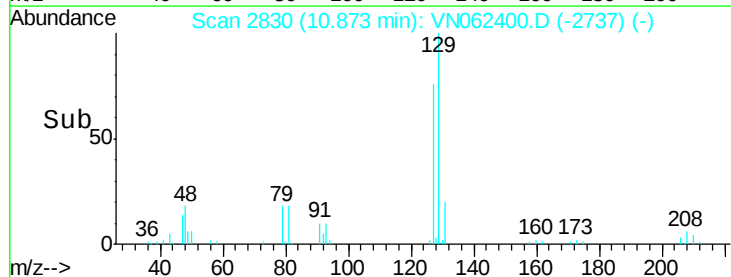
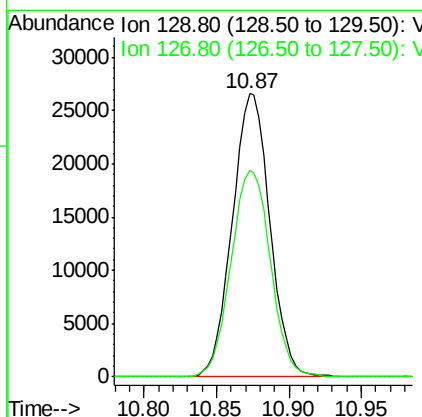
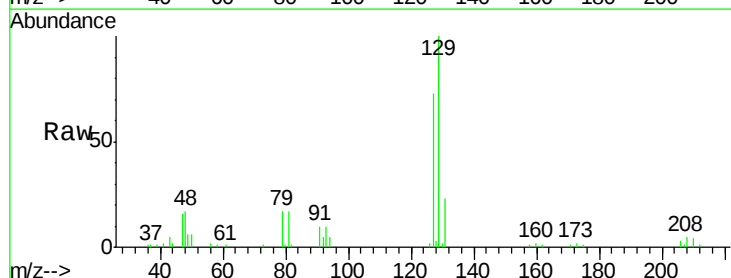
Manual Integrations
APPROVED

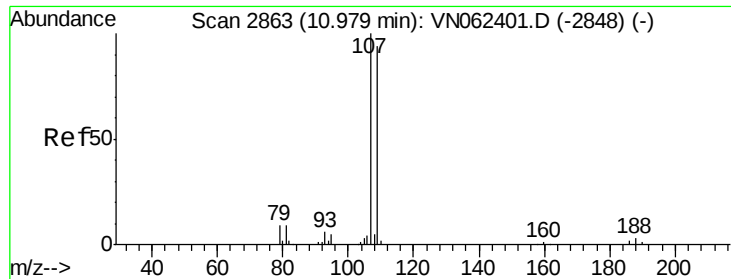
MMDadoda
7/9/2020 10:54:50 AM



#60
Dibromochloromethane
Concen: 17.769 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion: 129 Resp: 47938
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





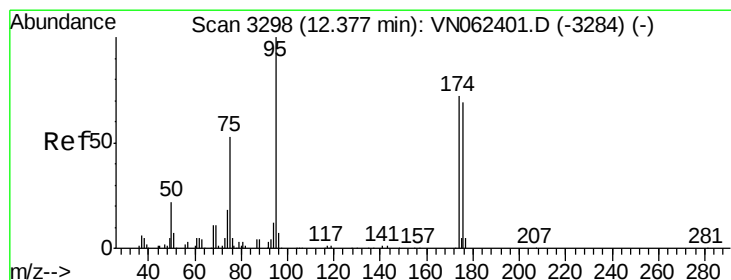
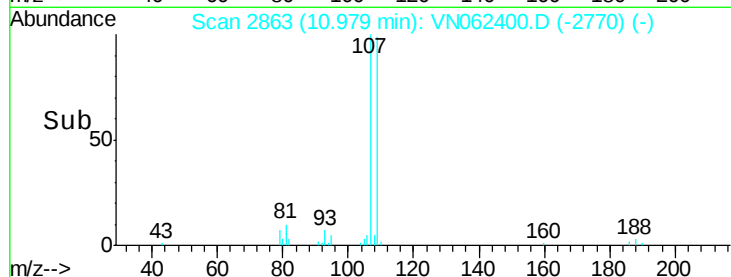
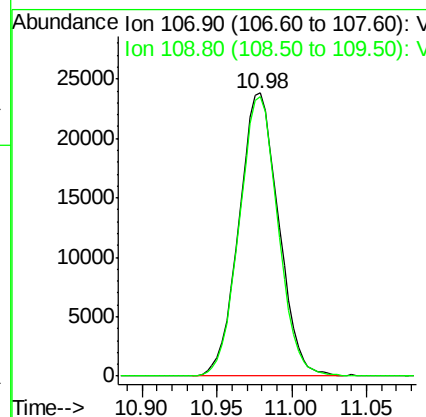
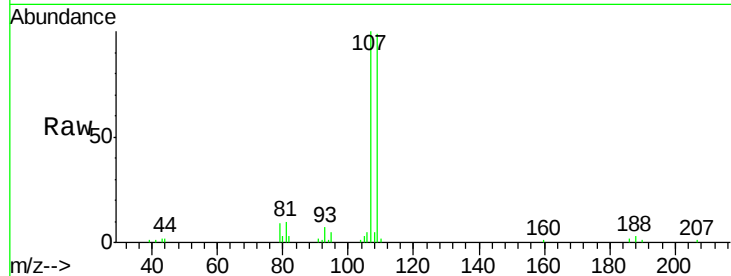
#61
 1,2-Dibromoethane
 Concen: 17.962 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:107 Resp: 43949
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.6 113.4

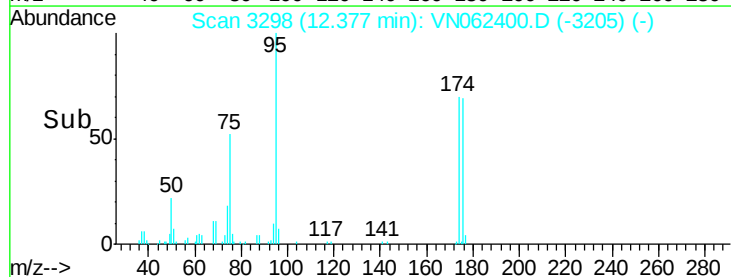
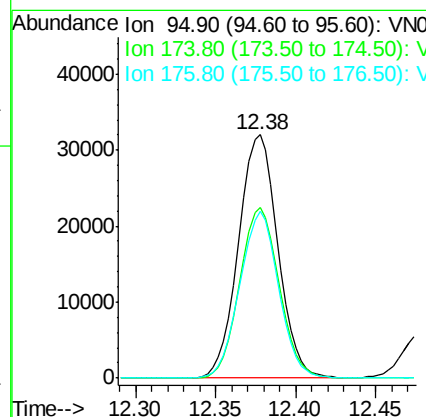
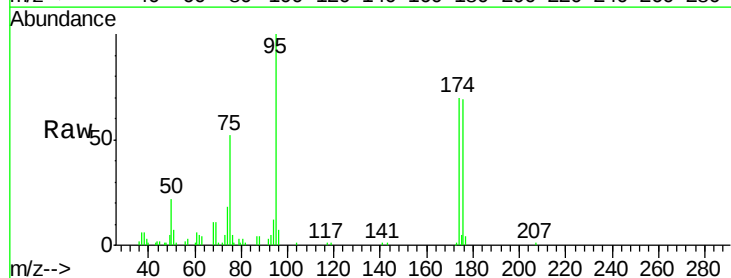
Manual Integrations
 APPROVED

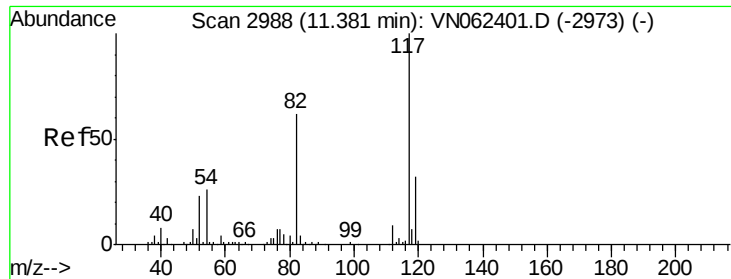
MMDadoda
 7/9/2020 10:54:50 AM



#62
 4-Bromofluorobenzene
 Concen: 16.871 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 95 Resp: 53717
 Ion Ratio Lower Upper
 95 100
 174 70.3 0.0 141.6
 176 67.6 0.0 137.2





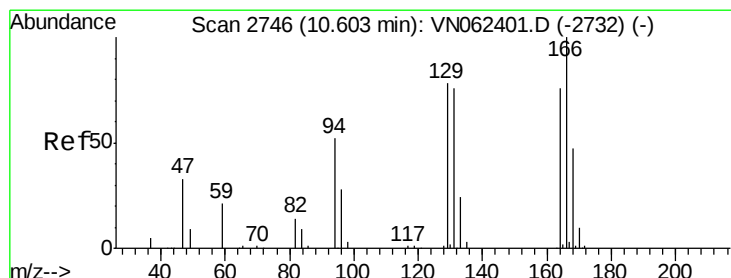
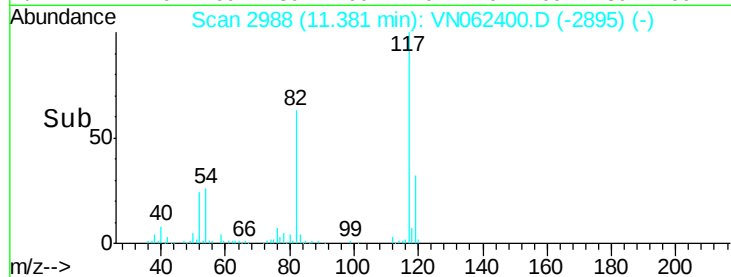
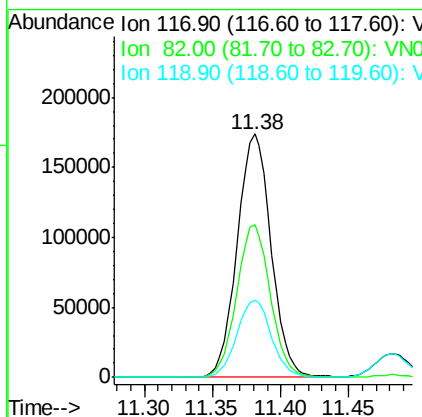
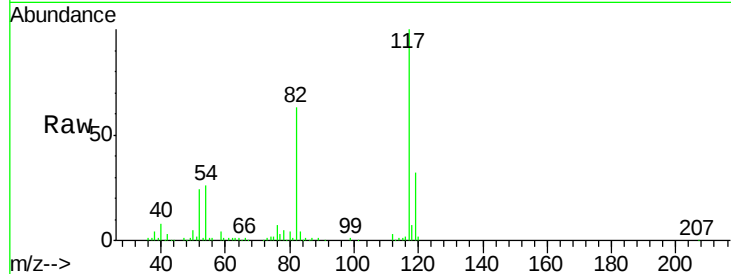
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	300833		
82	62.7		49.6	74.4
119	31.9		25.4	38.0

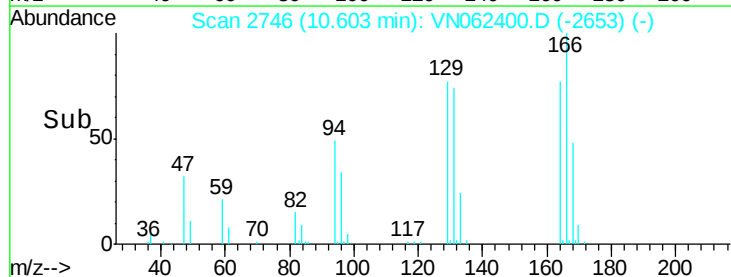
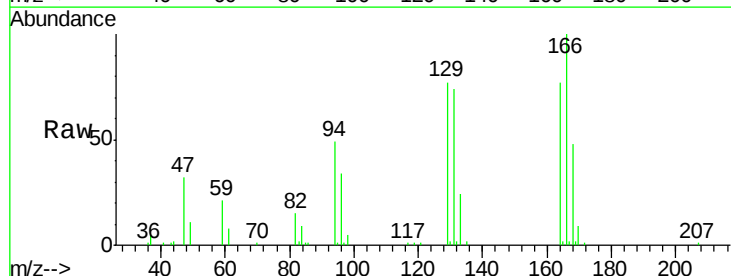
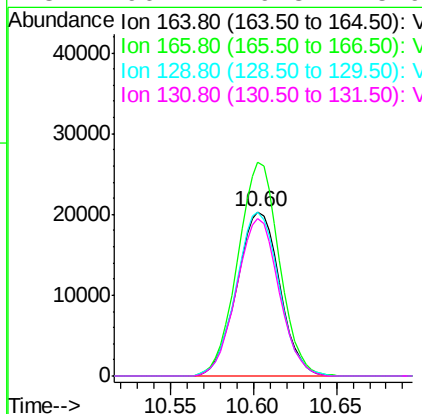
Manual Integrations
APPROVED

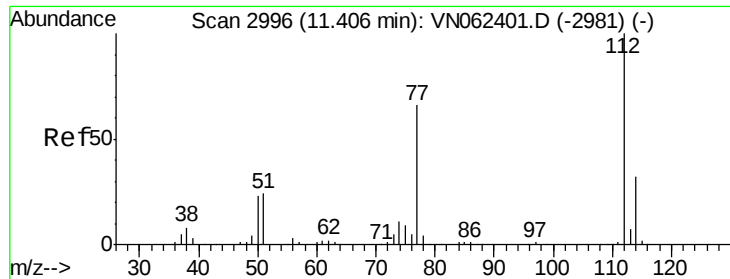
MMDadoda
7/9/2020 10:54:50 AM



#64
Tetrachloroethene
Concen: 18.871 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36605		
166	130.3		104.9	157.3
129	100.0		81.8	122.6
131	96.4		79.3	118.9





#65

Chlorobenzene

Concen: 19.183 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 118888

Ion Ratio Lower Upper

112 100

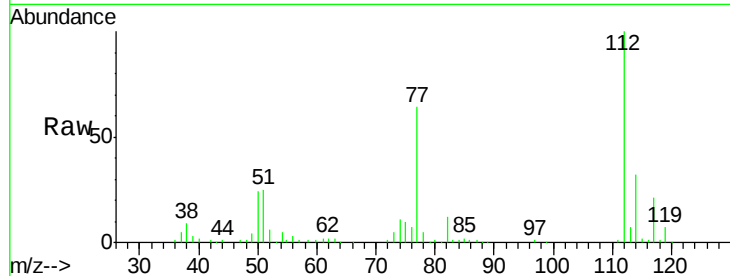
114 32.3 25.9 38.9

Manual Integrations

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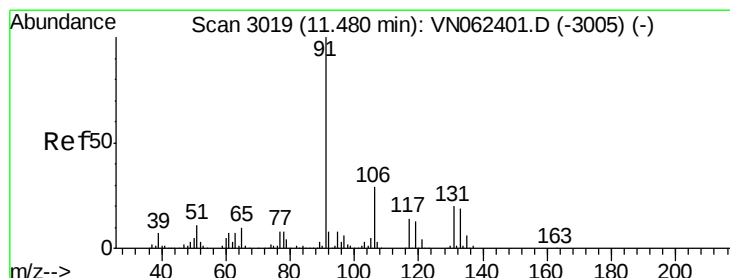
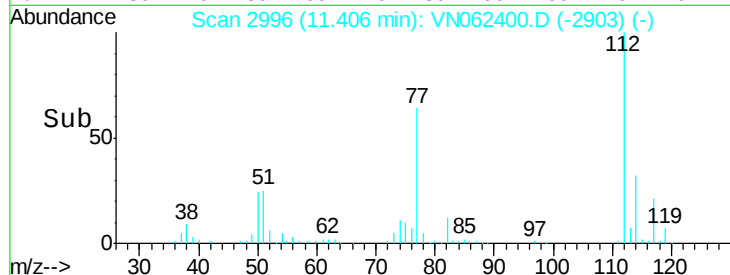
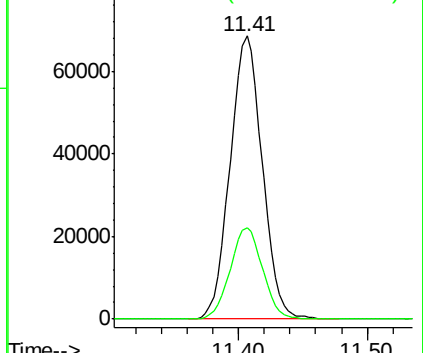
MMDadoda

7/9/2020 10:54:50 AM



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: 18.793 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

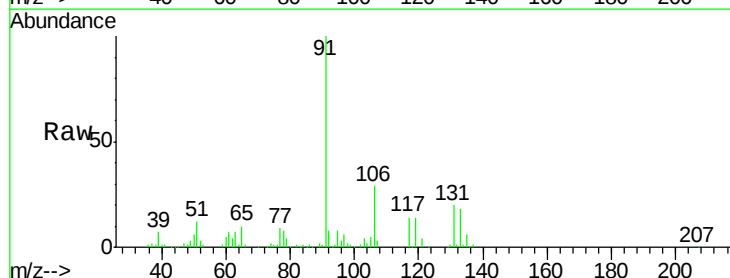
Tgt Ion:131 Resp: 43696

Ion Ratio Lower Upper

131 100

133 92.9 46.9 140.8

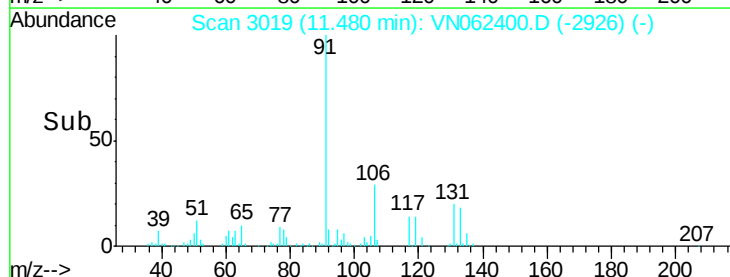
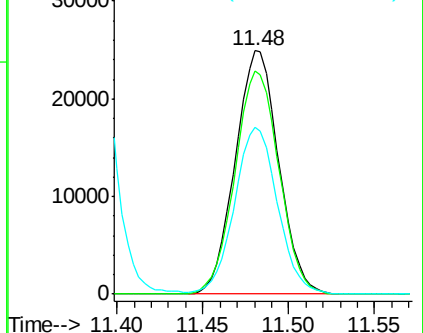
119 67.9 33.2 99.6

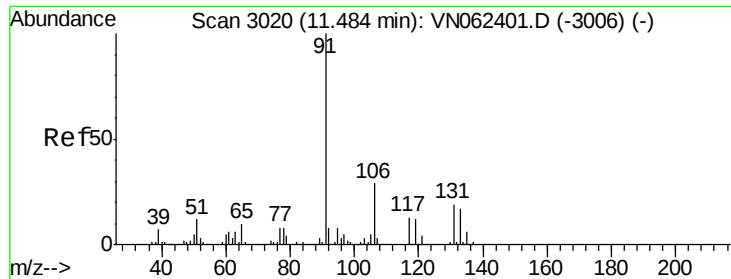


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.090 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 220288

Ion Ratio Lower Upper

91 100

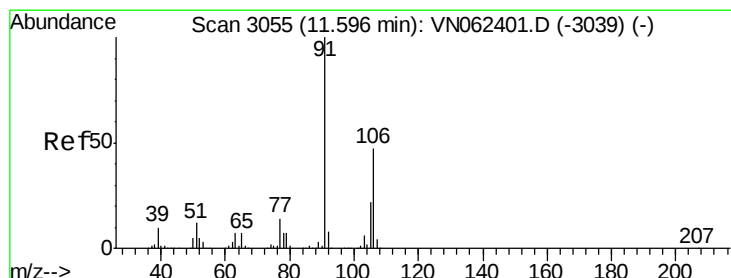
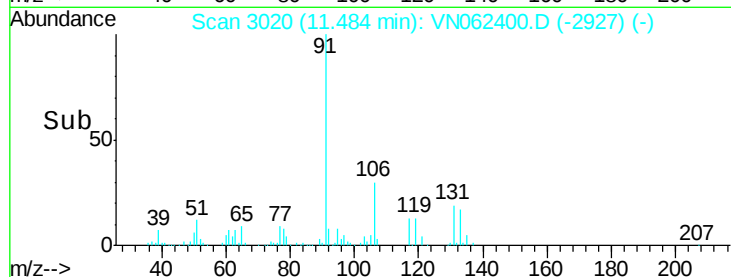
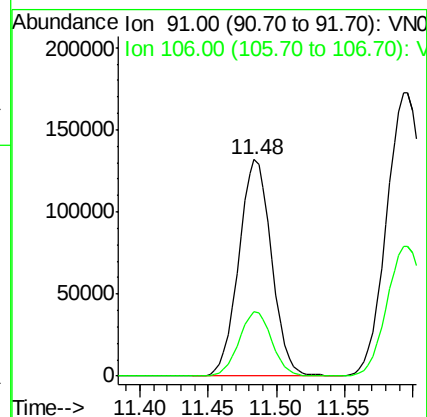
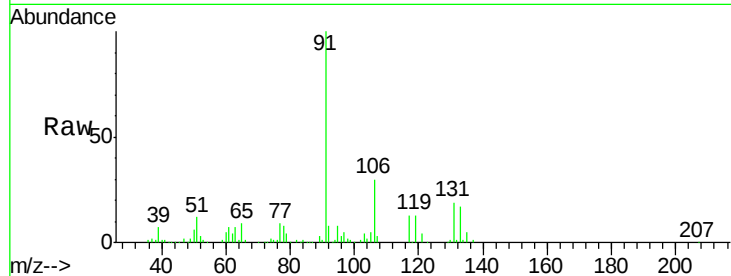
106 29.6 23.4 35.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.972 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062400.D

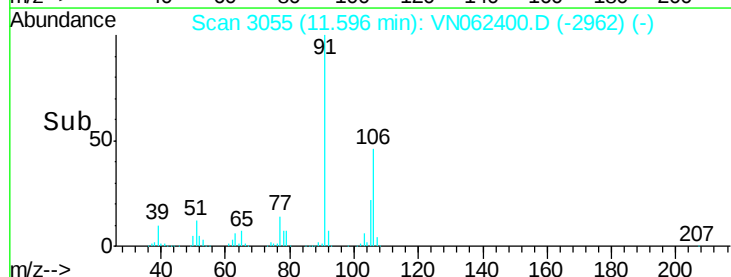
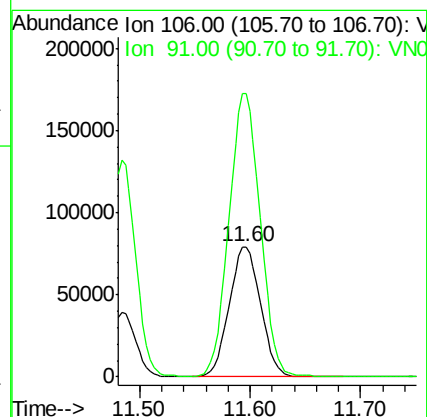
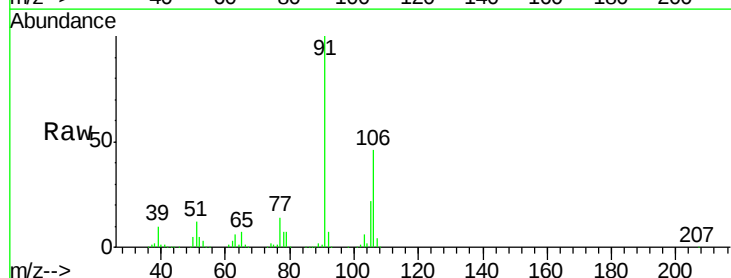
Acq: 8 Jul 2020 11:02

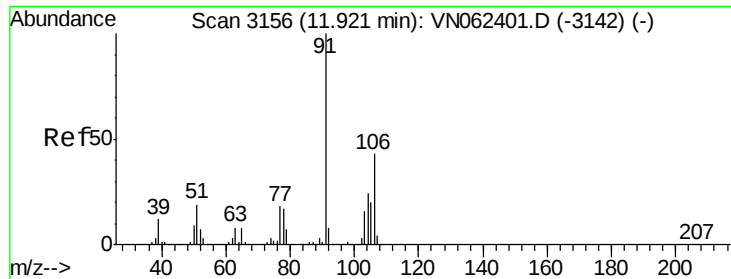
Tgt Ion: 106 Resp: 156230

Ion Ratio Lower Upper

106 100

91 216.2 172.4 258.6





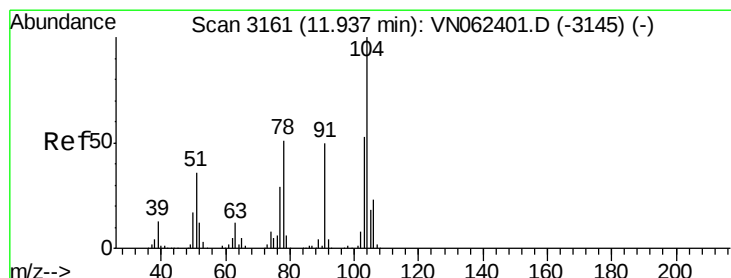
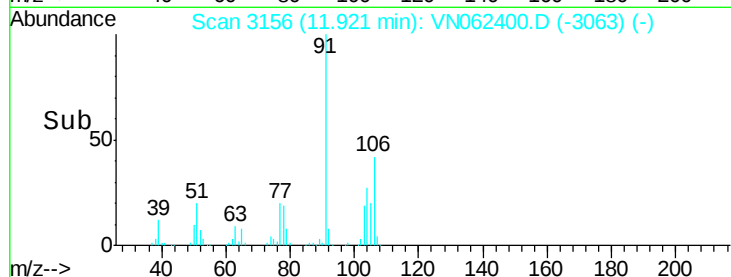
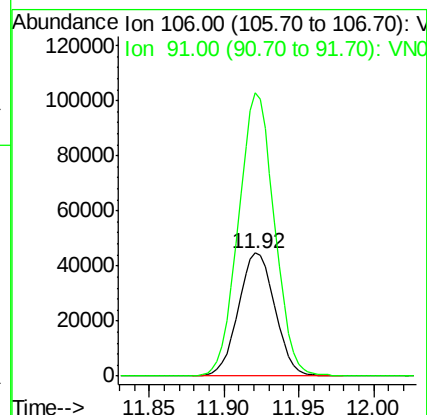
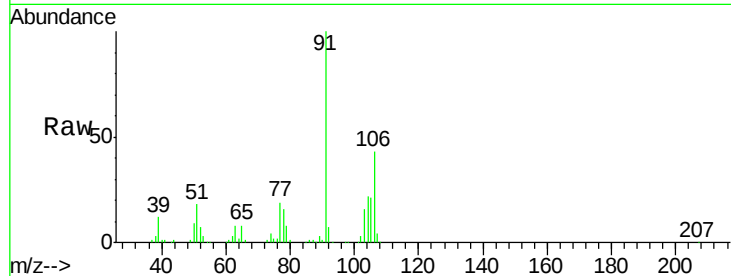
#69
o-Xylene
Concen: 19.230 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	226.7	113.8	341.4

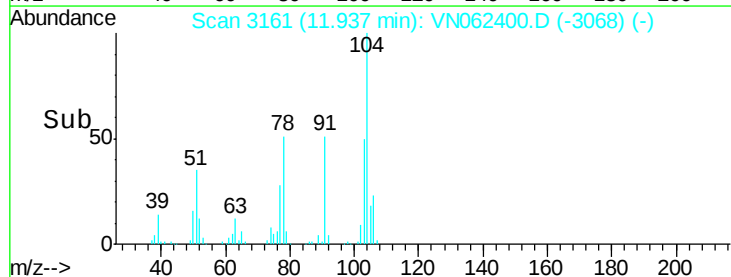
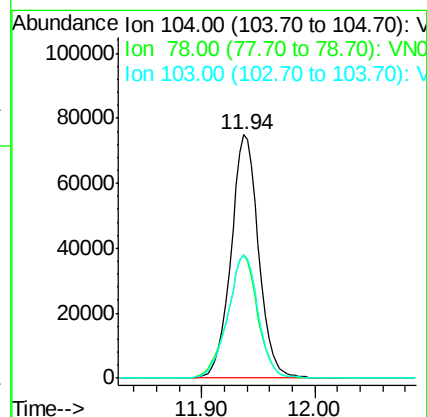
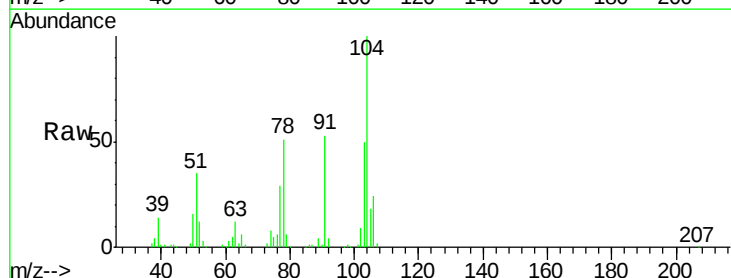
Manual Integrations
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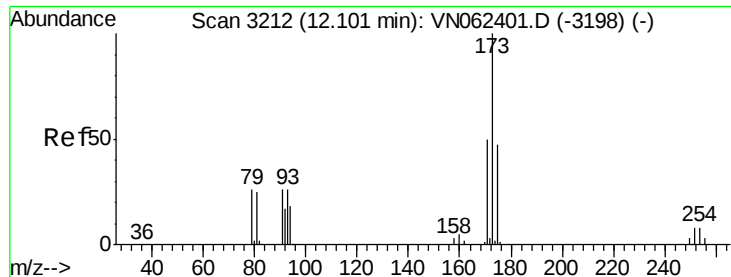
MMDadoda
7/9/2020 10:54:50 AM



#70
Styrene
Concen: 19.440 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.1	44.2	66.4
103	55.5	44.4	66.6





#71

Bromoform

Concen: 17.619 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 31957

Ion Ratio Lower Upper

173 100

175 49.9 23.7 71.1

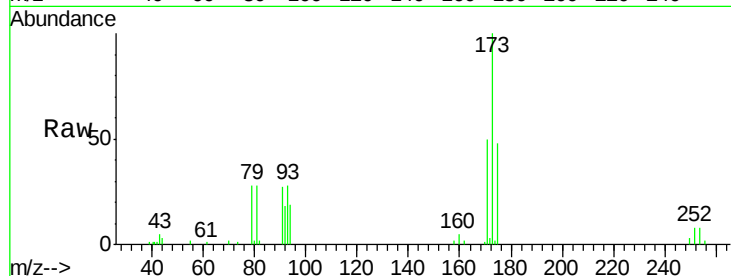
254 0.0 0.0 0.0

Manual Integrations

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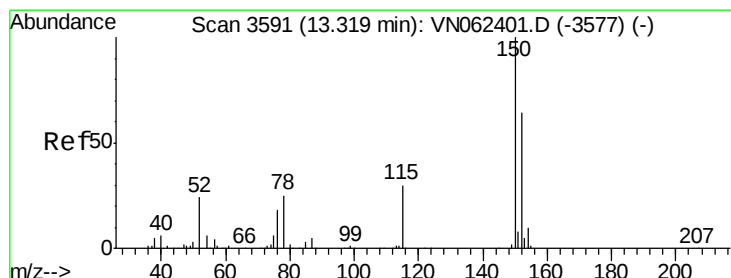
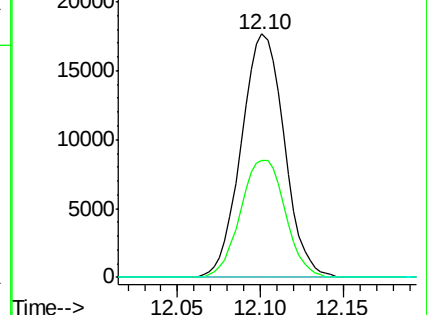
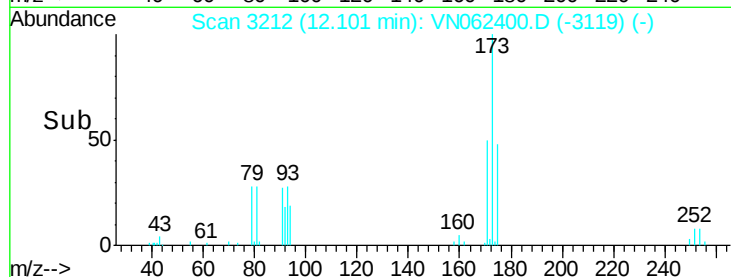
7/9/2020 10:54:50 AM



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: VN062400.D

Acq: 8 Jul 2020 11:02

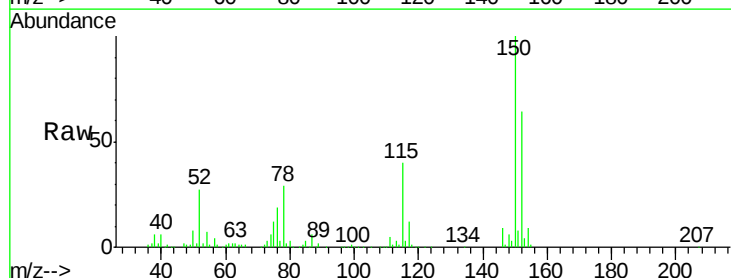
Tgt Ion:152 Resp: 131284

Ion Ratio Lower Upper

152 100

115 63.2 31.4 94.2

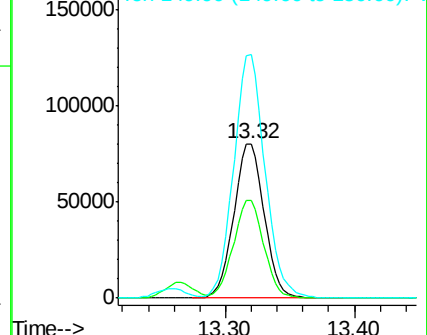
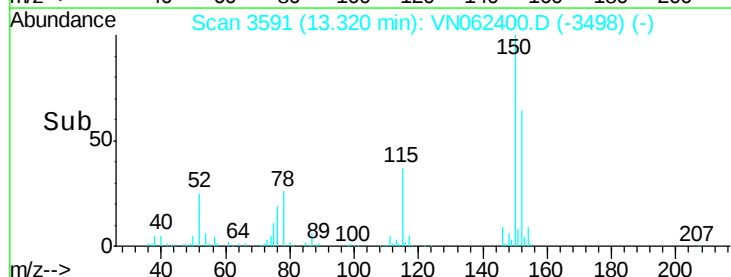
150 162.2 0.0 347.4

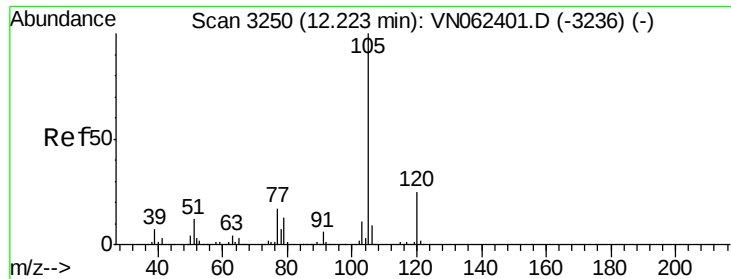


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.921 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 206066

Ion Ratio Lower Upper

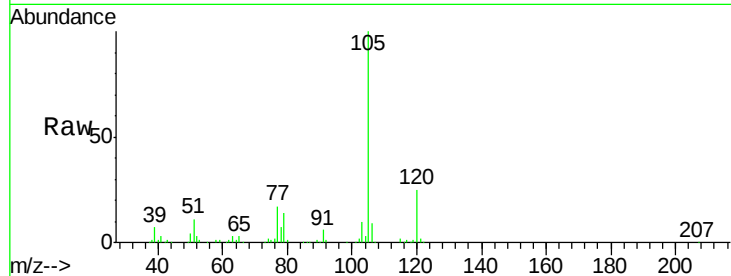
105 100

120 25.2 12.7 38.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

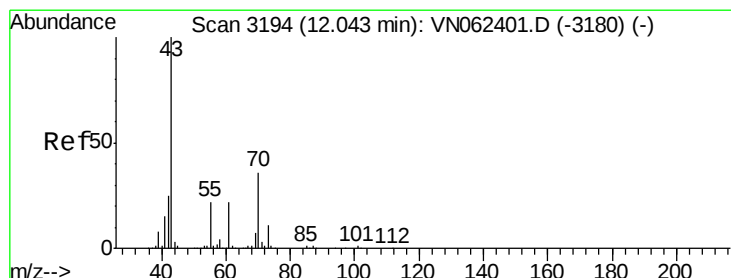
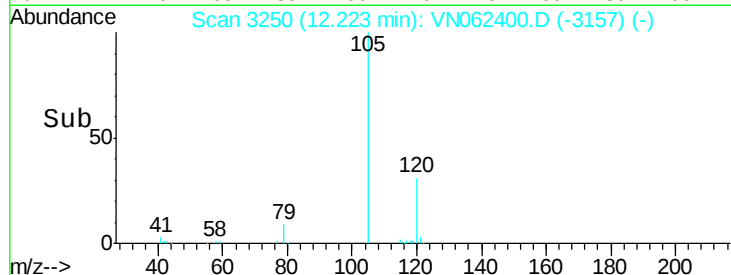
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.375 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion: 43 Resp: 101095

Ion Ratio Lower Upper

43 100

70 37.1 30.0 45.0

55 23.8 18.2 27.4

61 21.2 17.7 26.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

80000

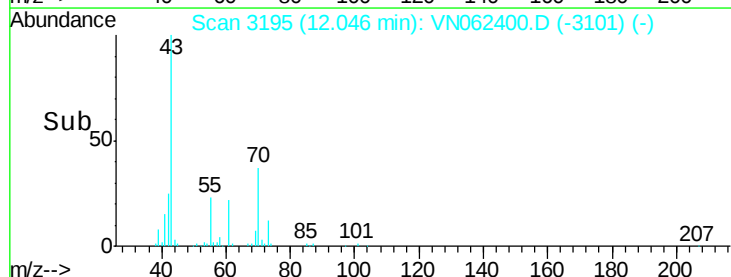
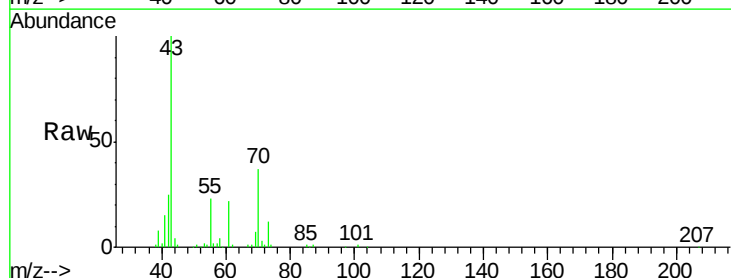
60000

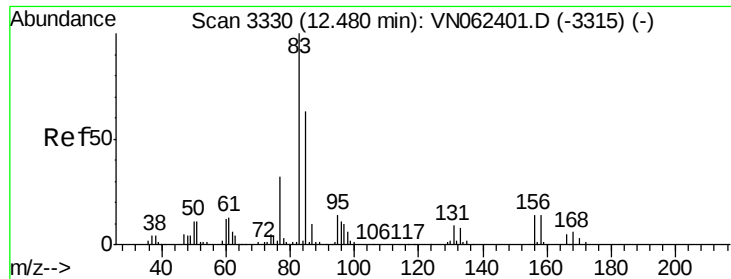
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.821 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

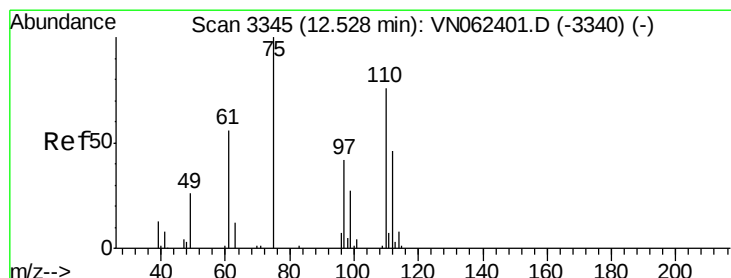
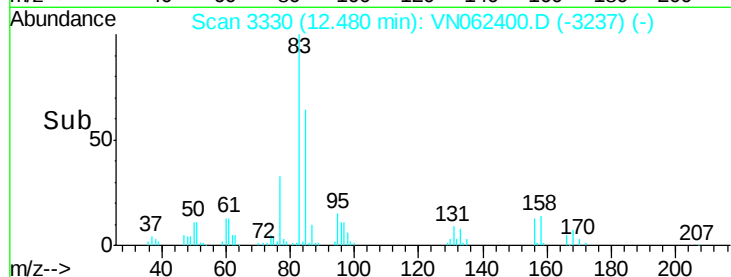
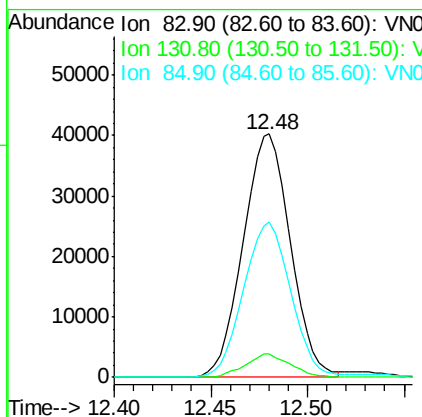
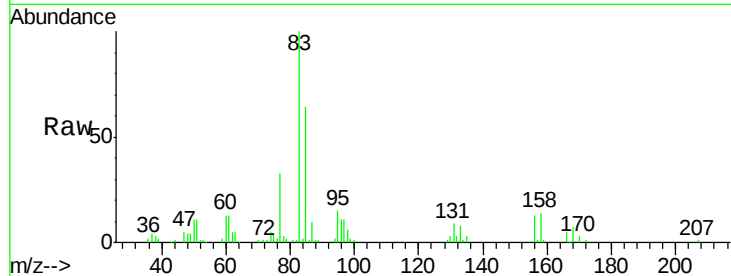
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	68391
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.5	13.5
85	63.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.020 ug/l m

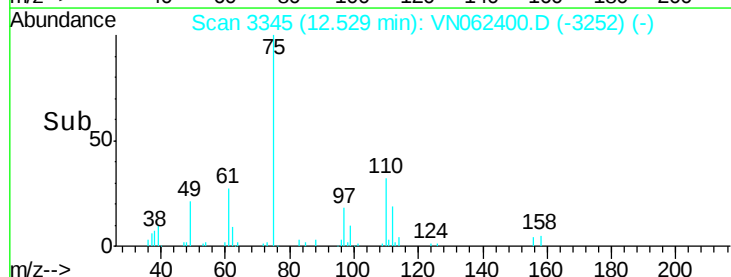
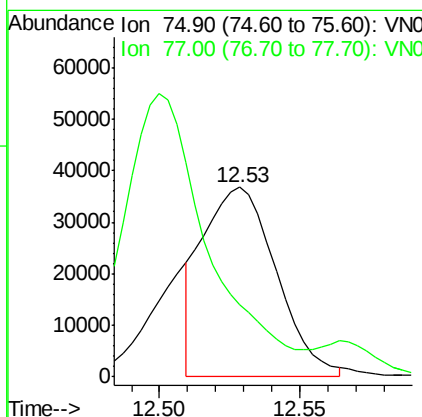
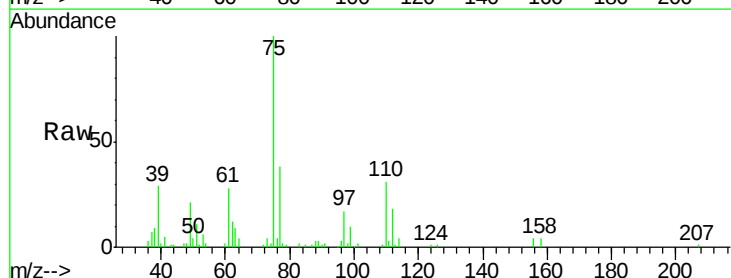
RT: 12.53 min Scan# 3345

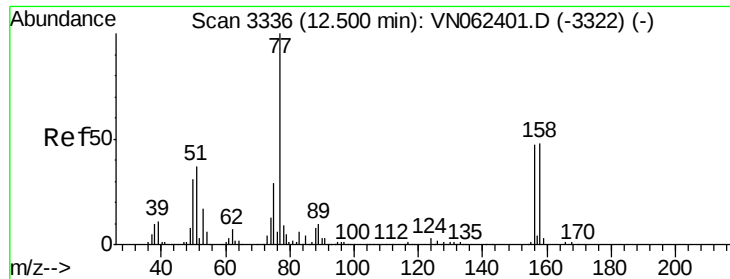
Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion:	75	Resp:	66700
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





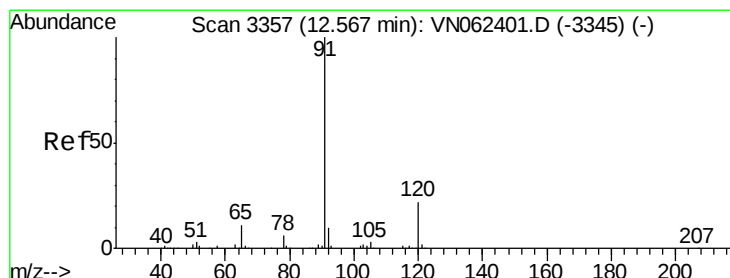
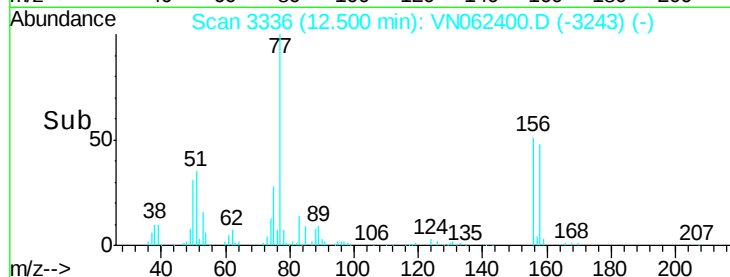
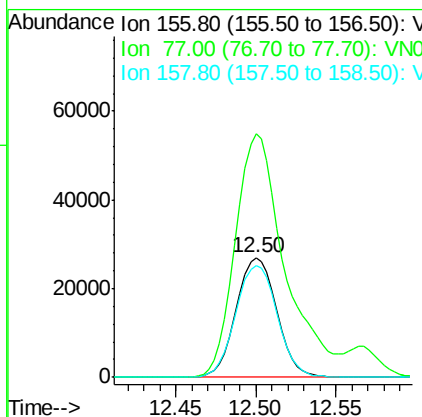
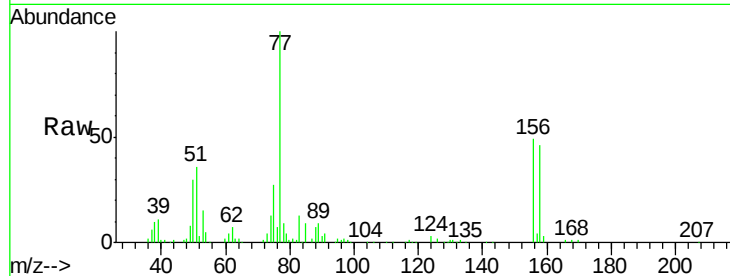
#77
Bromobenzene
Concen: 20.100 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	248.9	126.4	379.3	
158	96.0	49.8	149.4	

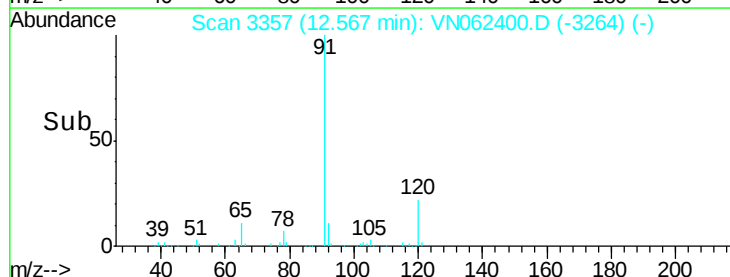
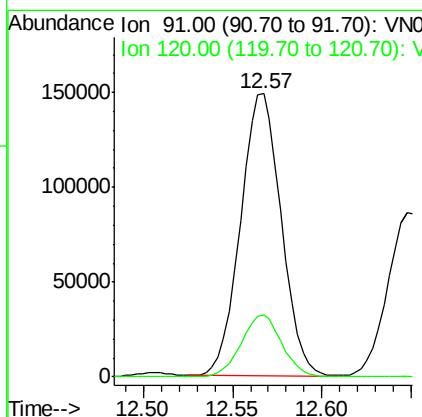
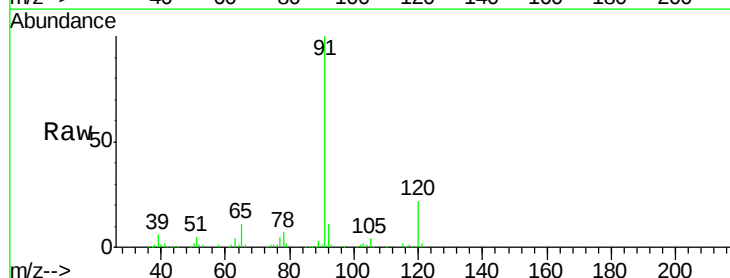
Manual Integrations
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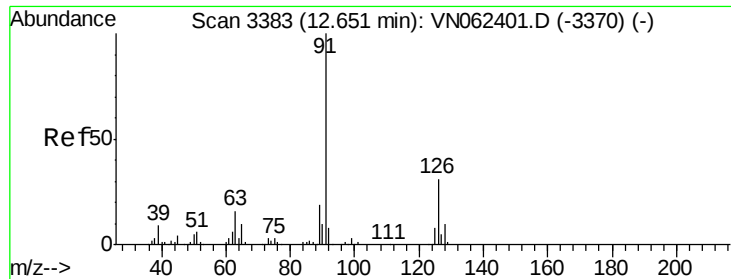
MMDadoda
7/9/2020 10:54:50 AM



#78
n-propylbenzene
Concen: 21.125 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	10.7	32.1	





#79

2-Chlorotoluene

Concen: 20.385 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 145639

Ion Ratio Lower Upper

91 100

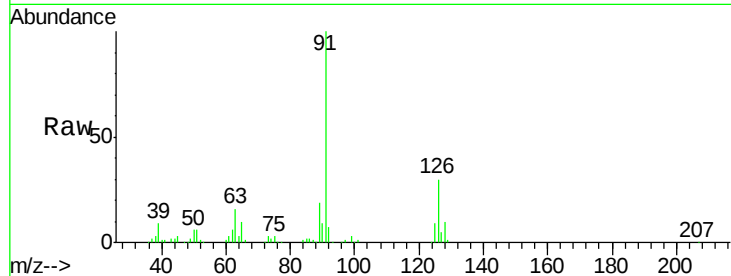
126 30.2 15.6 46.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062400.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN062400.D (-3382) (-)

150000

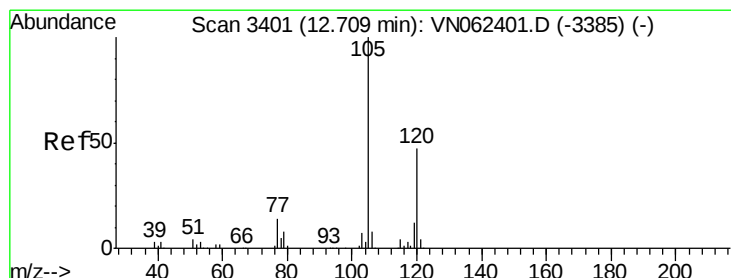
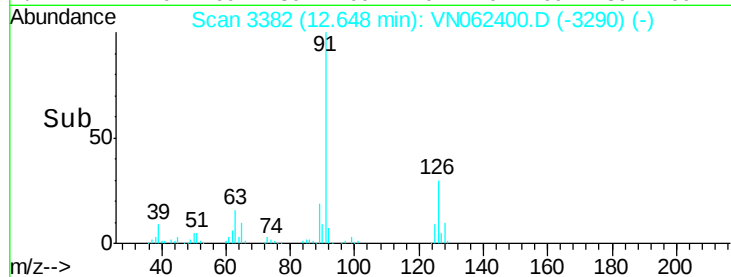
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.496 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062400.D

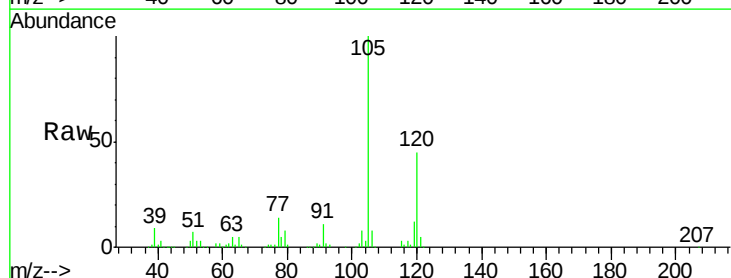
Acq: 8 Jul 2020 11:02

Tgt Ion: 105 Resp: 169076

Ion Ratio Lower Upper

105 100

120 46.6 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062400.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN062400.D (-3398) (-)

120000

100000

80000

60000

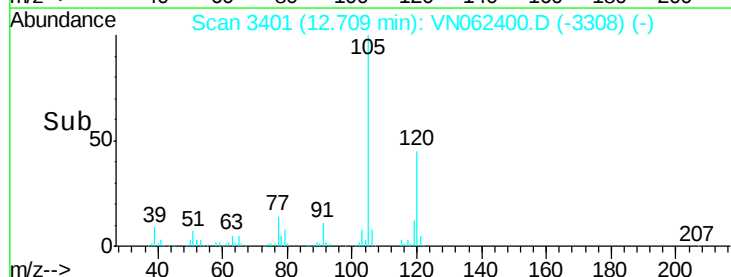
40000

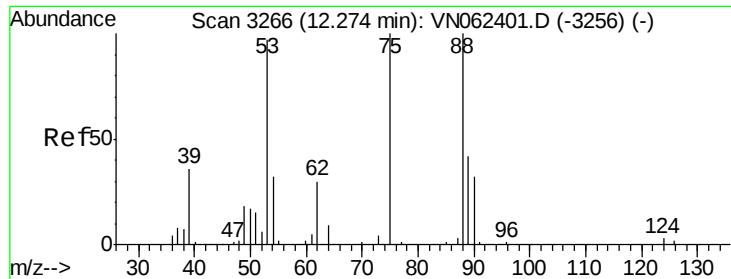
20000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.441 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

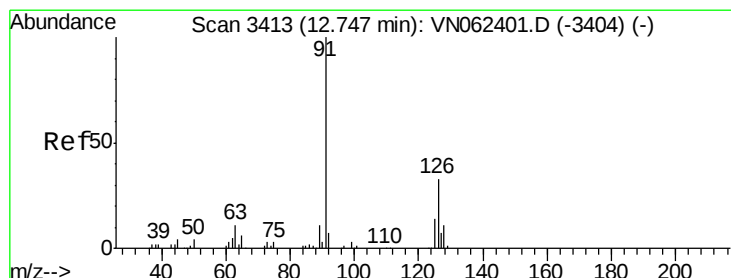
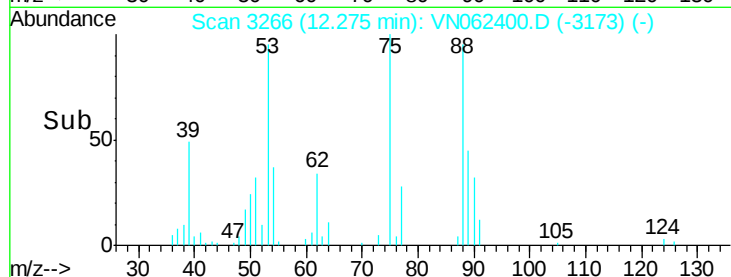
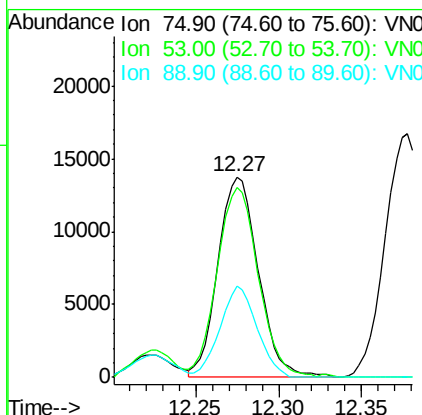
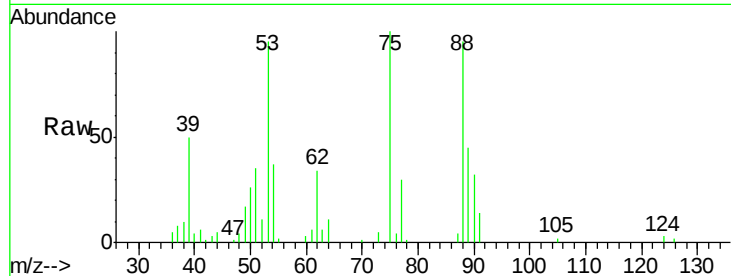
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	23322
Ion	Ratio	Lower	Upper
75	100		
53	96.7	79.2	118.8
89	41.7	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.234 ug/l

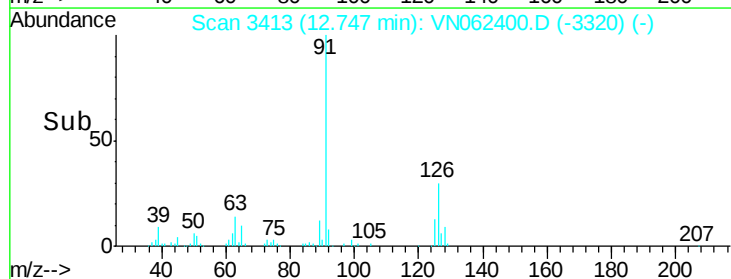
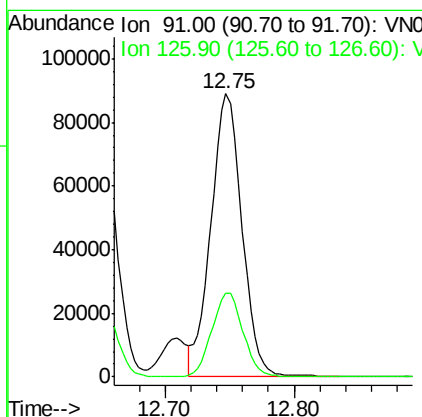
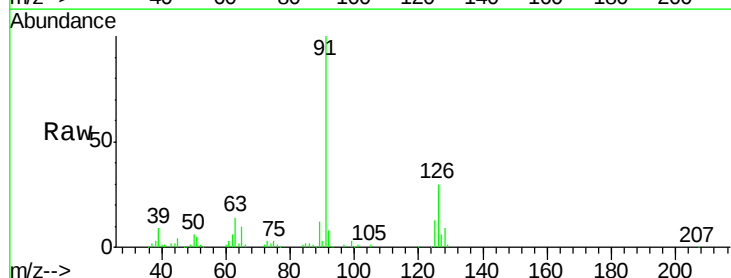
RT: 12.75 min Scan# 3413

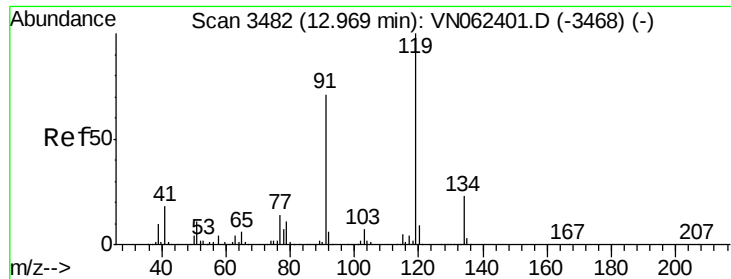
Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion:	91	Resp:	147581
Ion	Ratio	Lower	Upper
91	100		
126	29.9	15.2	45.6





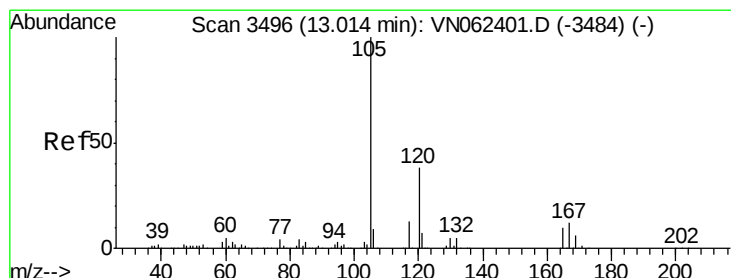
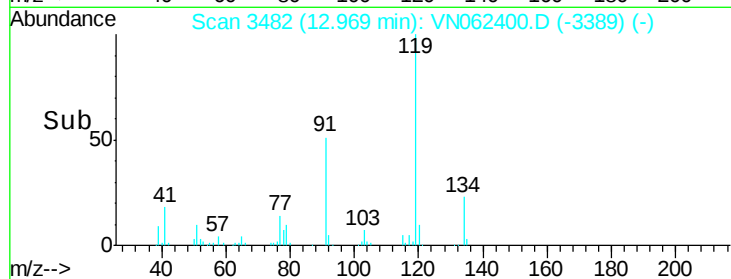
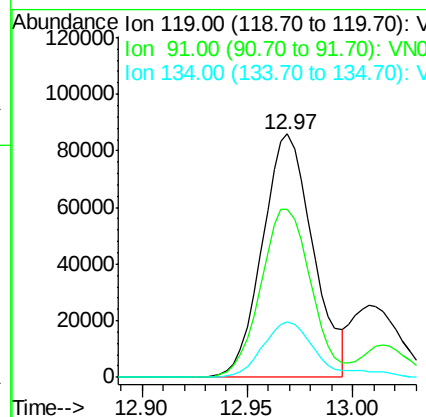
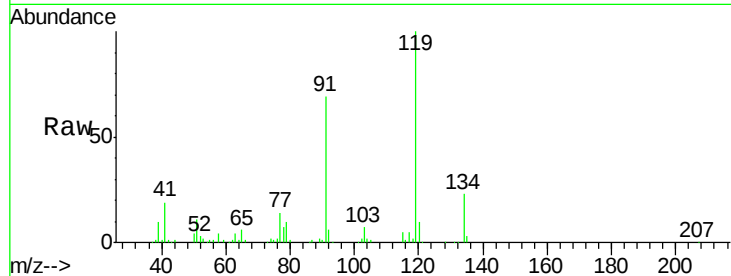
#83
 tert-Butylbenzene
 Concen: 20.388 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	143363		
91	69.3	34.8	104.3	
134	24.7	11.7	35.0	

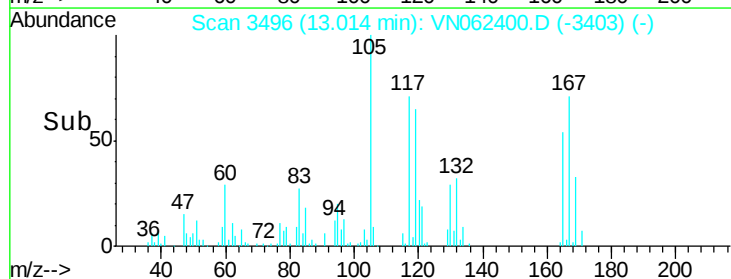
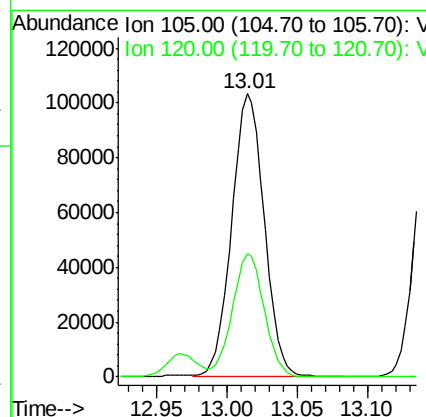
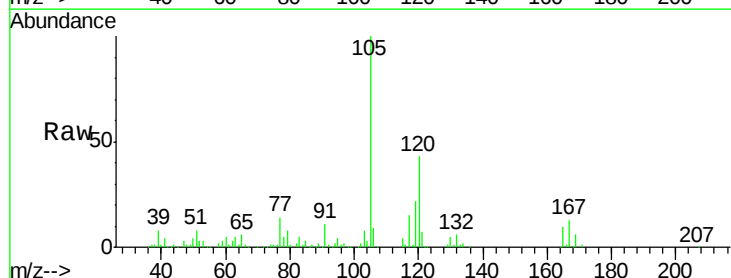
Manual Integrations
 APPROVED

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 7/9/2020 10:54:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.331 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	166000		
120	43.0	21.6	64.8	





#85

sec-Butylbenzene

Concen: 21.191 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 190235

Ion Ratio Lower Upper

105 100

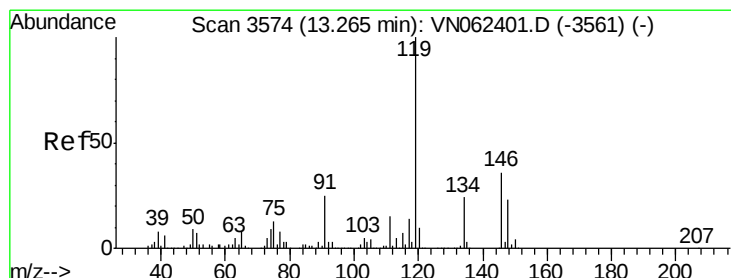
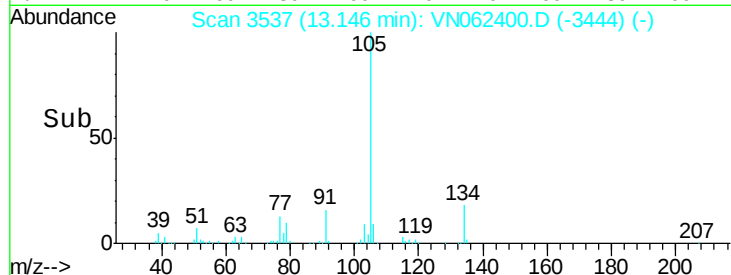
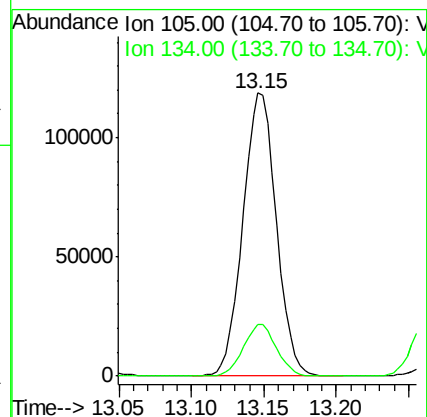
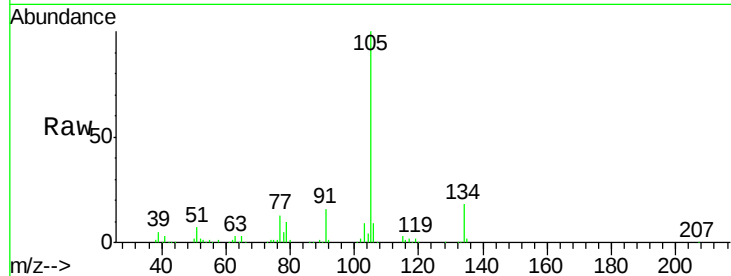
134 18.2 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.246 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

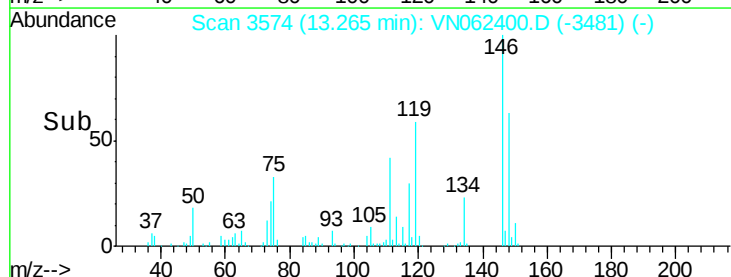
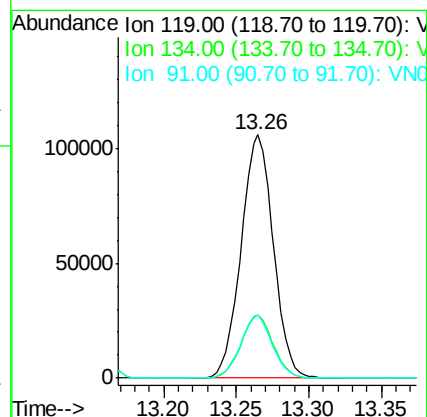
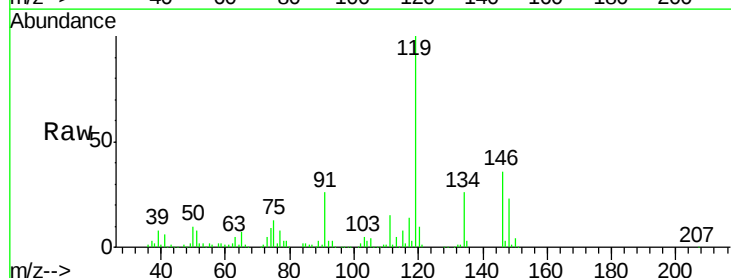
Tgt Ion:119 Resp: 163655

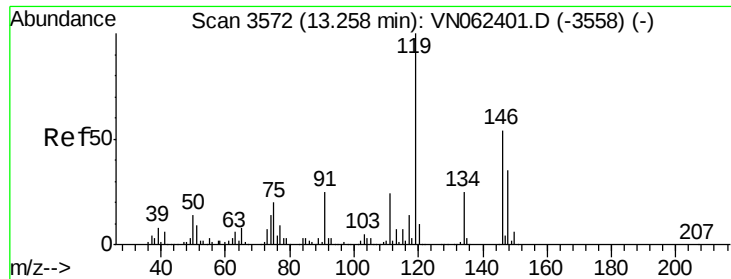
Ion Ratio Lower Upper

119 100

134 25.6 12.4 37.0

91 25.5 12.4 37.4





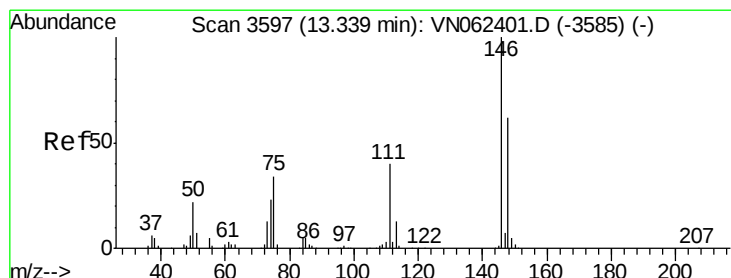
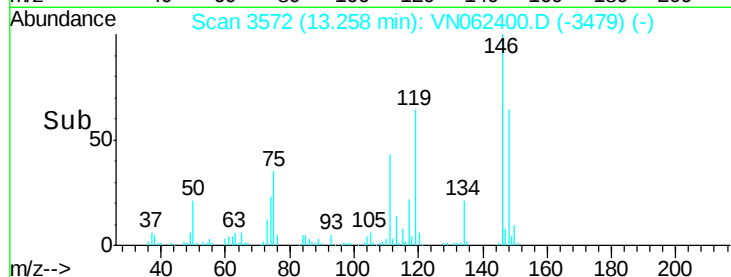
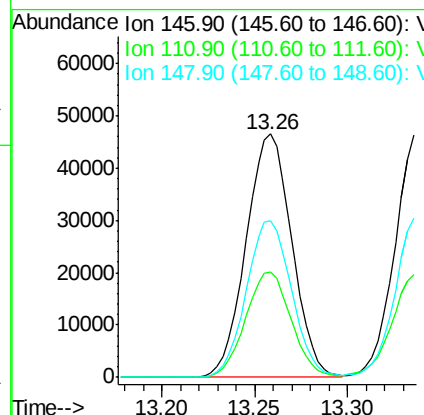
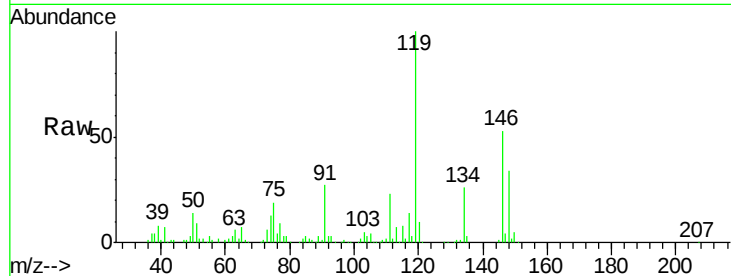
#87
 1,3-Dichlorobenzene
 Concen: 19.137 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.6
148	63.5	32.2	96.6

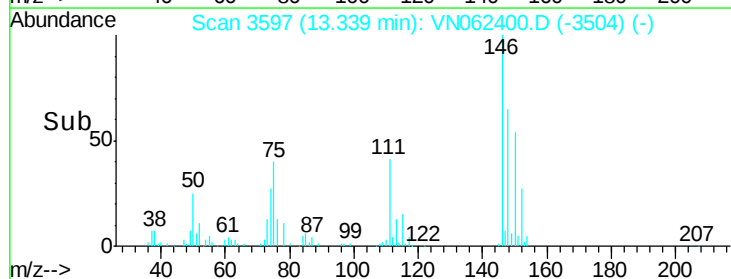
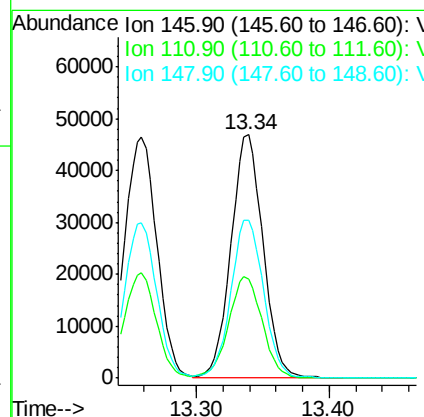
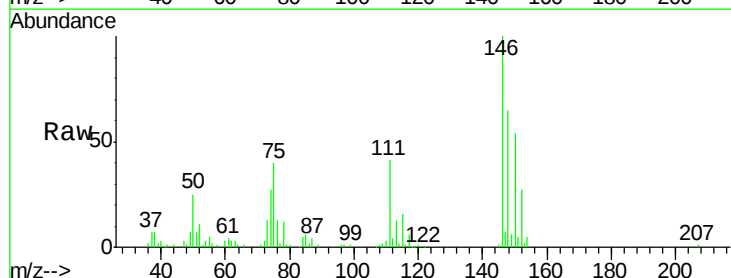
Manual Integrations
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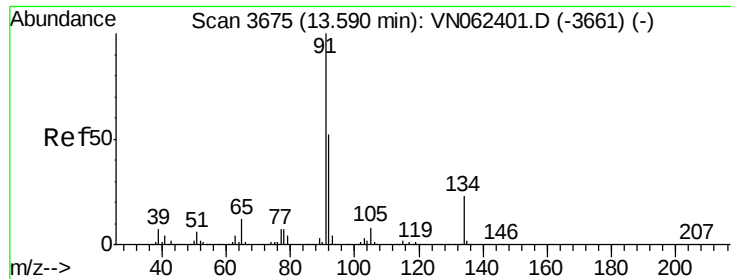
MMDadoda
 7/9/2020 10:54:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.338 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.1
148	66.1	31.4	94.2





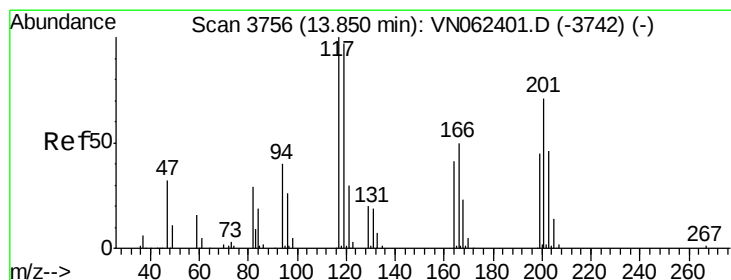
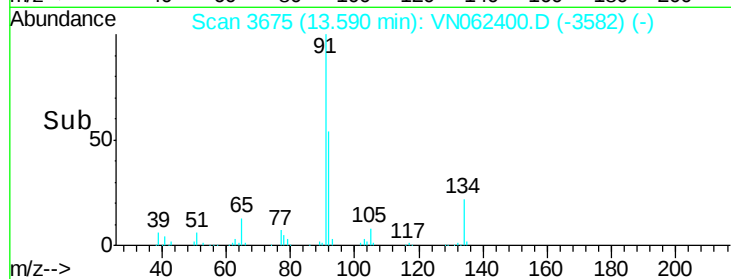
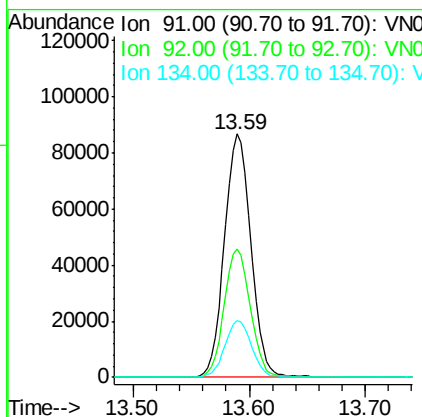
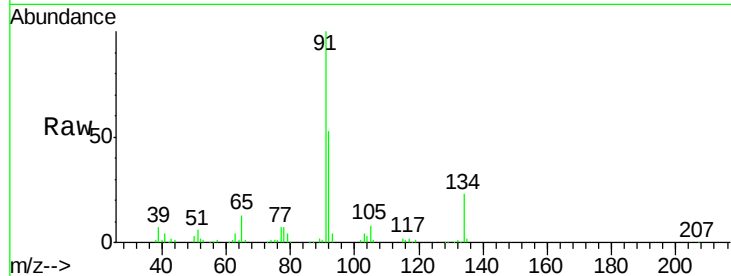
#89
n-Butylbenzene
Concen: 19.665 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.7
134	23.3	11.6	34.8

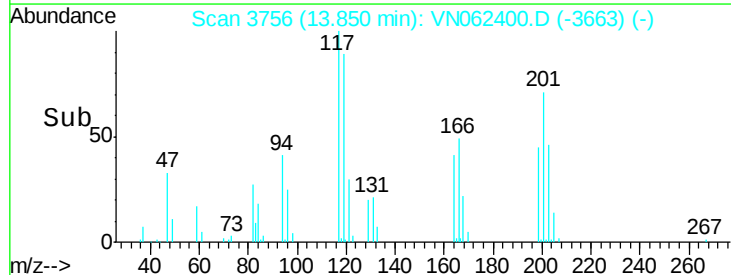
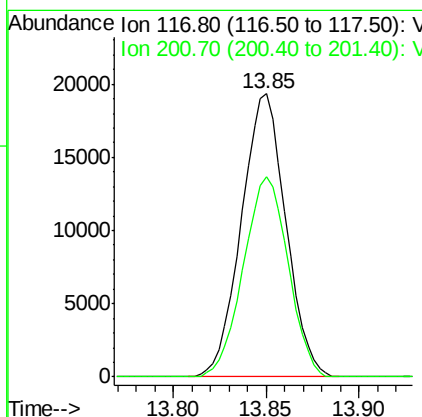
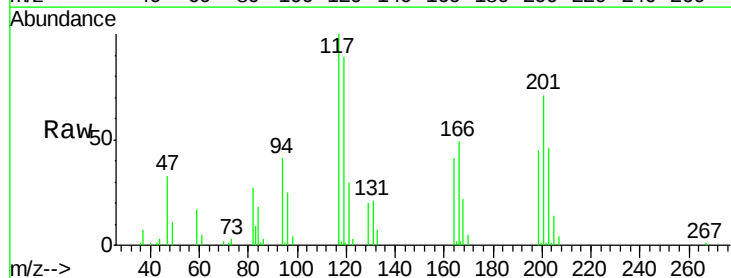
Manual Integrations
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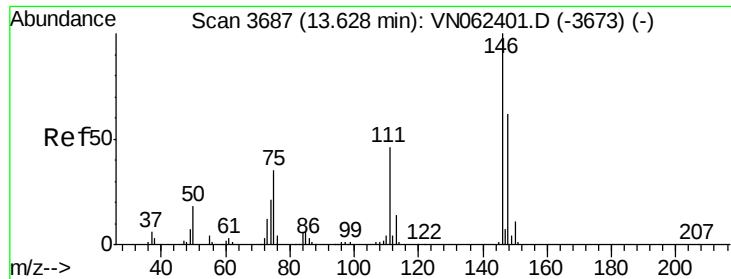
MMDadoda
7/9/2020 10:54:50 AM



#90
Hexachloroethane
Concen: 18.778 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	35.4	106.2





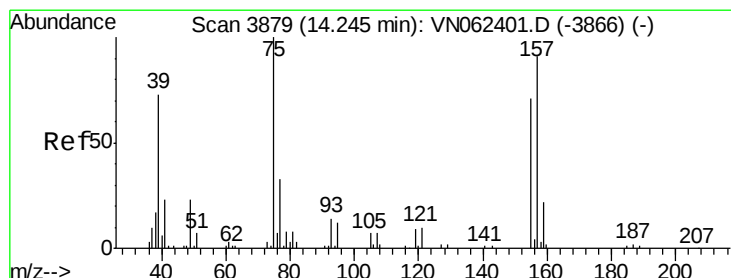
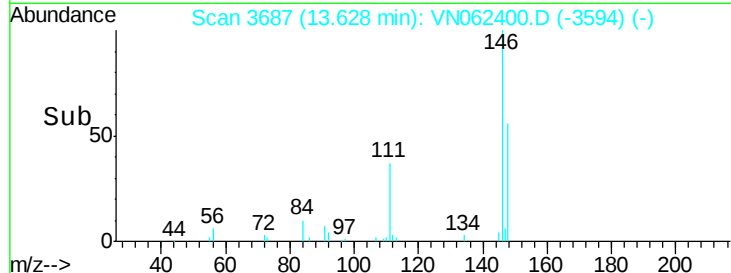
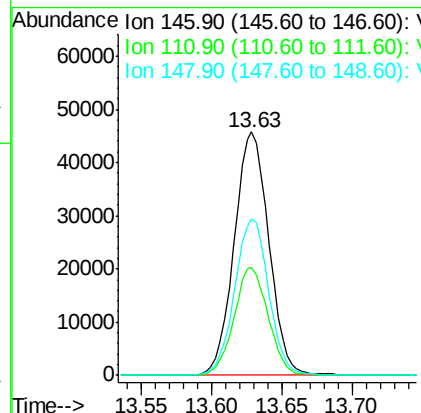
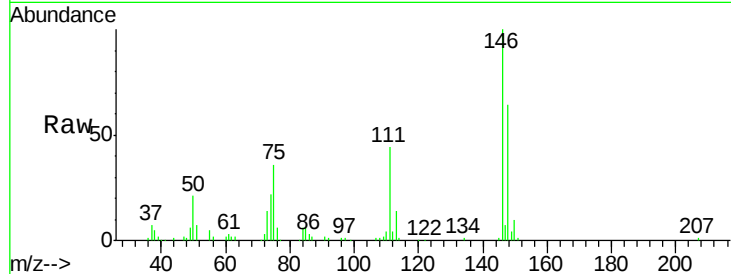
#91
 1,2-Dichlorobenzene
 Concen: 19.761 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.5	67.5
148	63.1	31.4	94.2

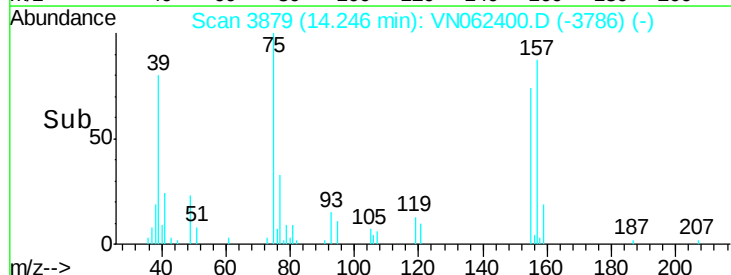
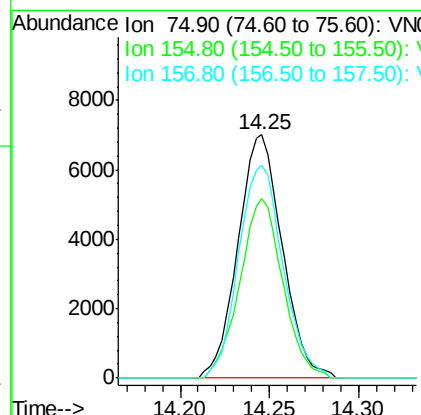
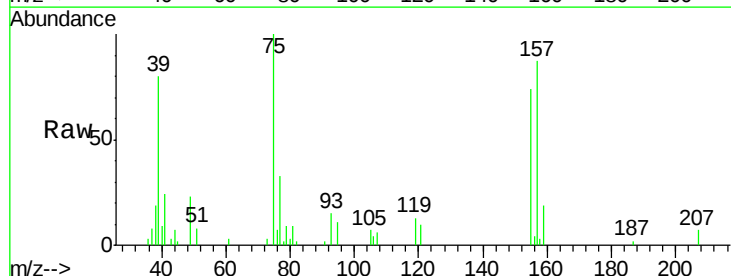
Manual Integrations
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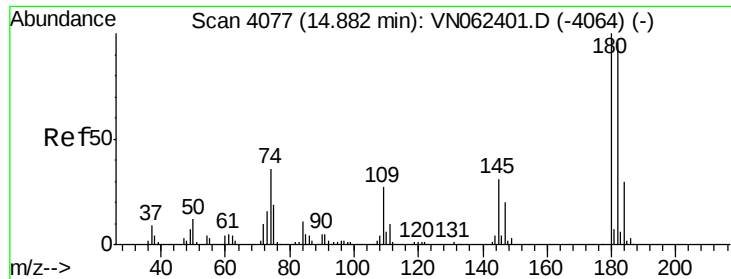
MMDadoda
 7/9/2020 10:54:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.238 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	35.2	105.6
157	87.6	45.8	137.3





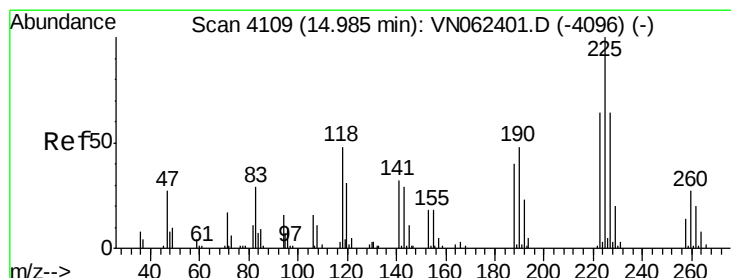
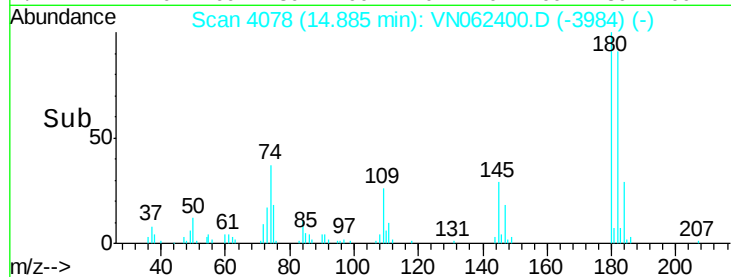
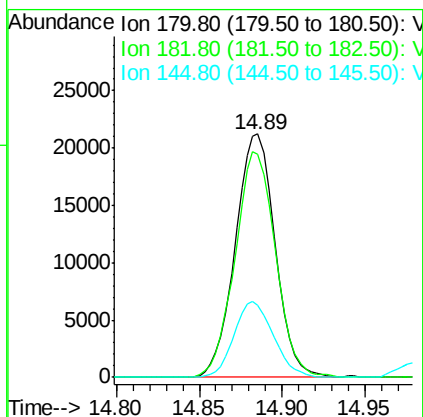
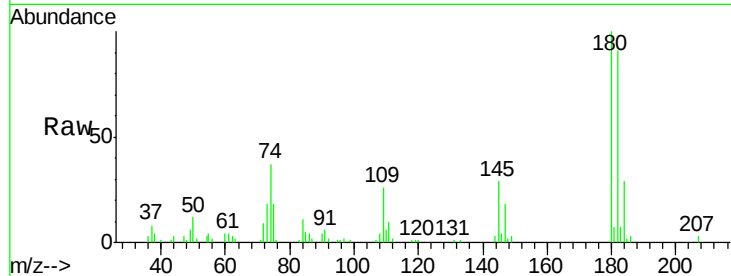
#93
 1,2,4-Trichlorobenzene
 Concen: 19.047 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.2
145	30.8	15.5	46.5

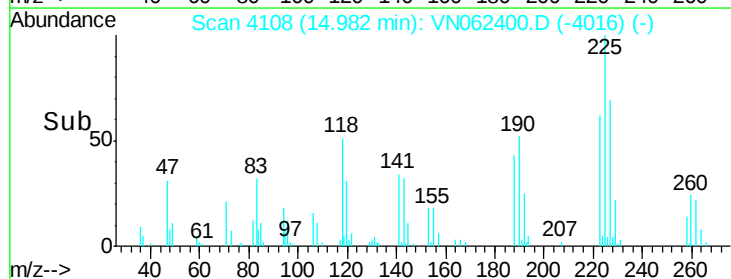
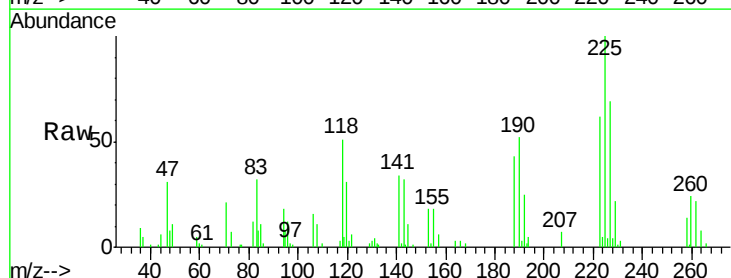
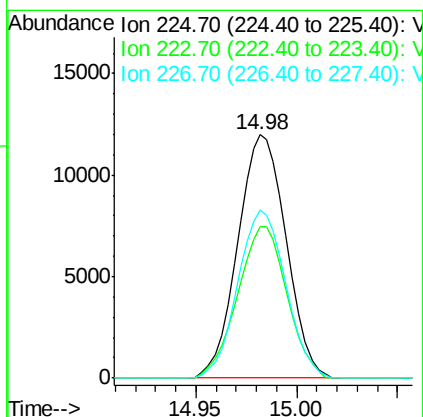
Manual Integrations
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 7/9/2020 10:54:50 AM



#94
 Hexachlorobutadiene
 Concen: 17.212 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	32.3	96.8
227	68.4	31.9	95.7





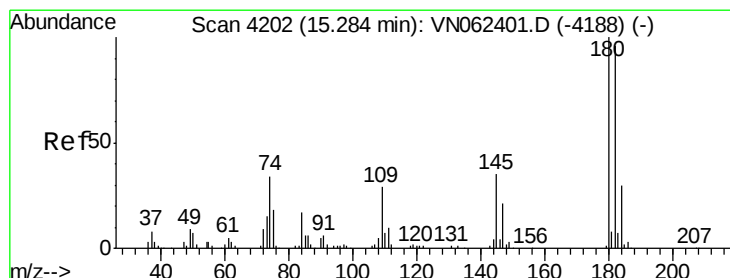
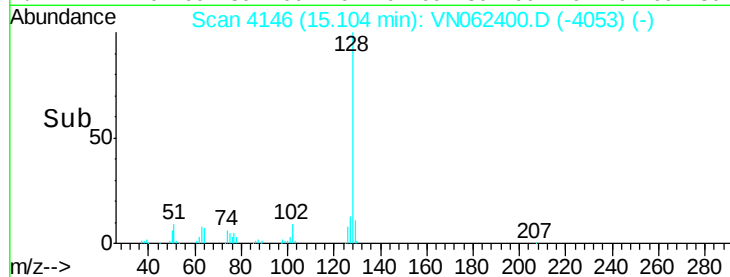
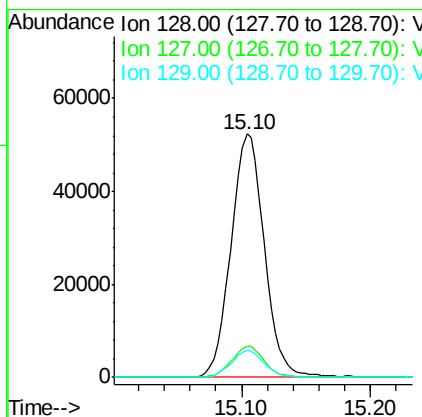
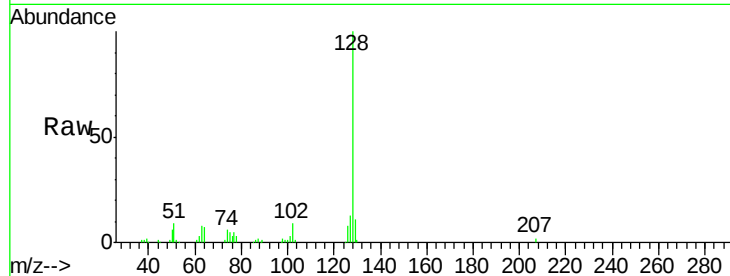
#95
Naphthalene
Concen: 18.993 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	93900
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
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MMDadoda
7/9/2020 10:54:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.555 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion:	180	Resp:	35510
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.8	143.4
145	33.0	17.0	50.9

