

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020323\
 Data File : VW030032.D
 Acq On : 03 Feb 2023 10:57
 Operator : SY/MD
 Sample : 01378-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 04 01:02:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Feb 04 01:01:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.603	114	221802	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	212812	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	107792	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	77623	4.614	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	92.200%	
7) Chloroethane-d5	1.565	69	75458	5.411	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	108.200%	
11) 1,1-Dichloroethene-d2	2.102	63	112309	3.662	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	73.200%	
20) 2-Butanone-d5	3.892	46	159987	53.654	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	107.300%	
24) Chloroform-d	4.333	84	146429	4.745	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.800%	
26) 1,2-Dichloroethane-d4	5.021	65	63812	4.882	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	97.600%	
32) Benzene-d6	5.037	84	301378	4.774	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.400%	
36) 1,2-Dichloropropane-d6	6.056	67	98955	5.356	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	107.200%	
41) Toluene-d8	7.304	98	257778	4.411	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	88.200%	
43) trans-1,3-Dichloroprop...	7.613	79	30417	4.508	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	90.200%	
46) 2-Hexanone-d5	8.082	63	140815	51.262	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	102.520%	
56) 1,1,2,2-Tetrachloroeth...	10.204	84	67074	4.954	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	99.000%	
66) 1,2-Dichlorobenzene-d4	11.609	152	96122	4.905	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	98.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	3263	0.158	ug/L	93
3) Chloromethane	1.240	50	9515	0.438	ug/L	99
5) Vinyl chloride	1.307	62	4632	0.217	ug/L #	67
6) Bromomethane	1.520	94	1970	0.190	ug/L	98
8) Chloroethane	1.581	64	3636	0.281	ug/L	96
9) Trichlorofluoromethane	1.748	101	5115	0.183	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	4102	0.250	ug/L #	83
12) 1,1-Dichloroethene	2.111	96	3859	0.204	ug/L #	1
13) Acetone	2.182	43	11938	5.609	ug/L	89
14) Carbon disulfide	2.288	76	9542	0.175	ug/L	95
15) Methyl Acetate	2.446	43	1153	0.208	ug/L #	70
16) Methylene chloride	2.500	84	5352	0.227	ug/L	86
17) Methyl tert-butyl Ether	2.764	73	6027	0.184	ug/L	98
18) trans-1,2-Dichloroethene	2.751	96	3262	0.185	ug/L	98
19) 1,1-Dichloroethane	3.179	63	6125	0.208	ug/L	98
22) cis-1,2-Dichloroethene	3.899	96	3246	0.173	ug/L	82
23) Bromochloromethane	4.246	128	1435	0.185	ug/L #	90
27) 1,2-Dichloroethane	5.127	62	3288	0.211	ug/L #	93
29) 1,1,1-Trichloroethane	4.590	97	4929	0.178	ug/L	97

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 Response via : Initial Calibration

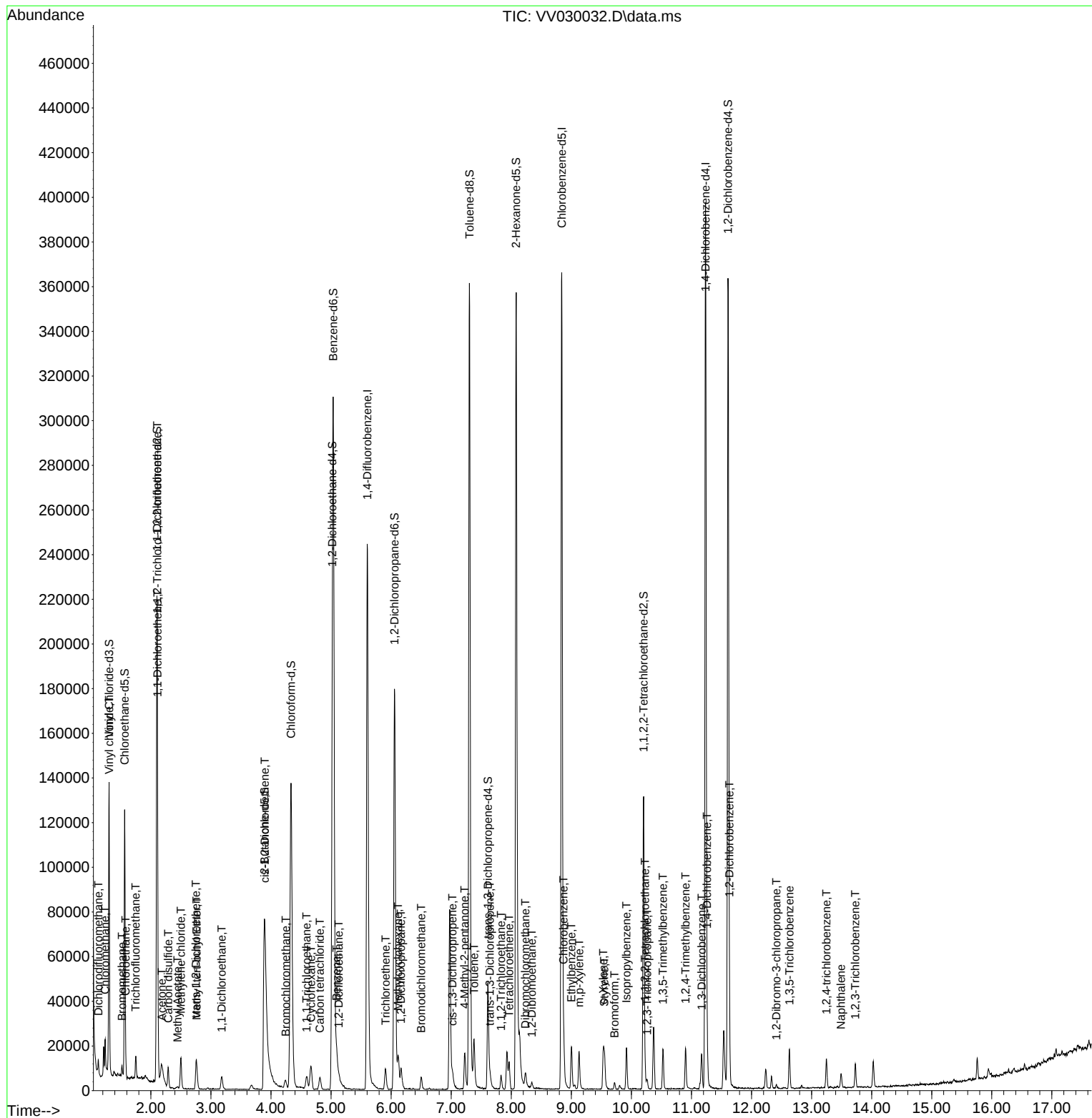
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.667	56	5796	0.222	ug/L #	92
31) Carbon tetrachloride	4.815	117	4490	0.187	ug/L	92
33) Benzene	5.092	78	14177	0.201	ug/L	100
34) Trichloroethene	5.908	95	3421	0.192	ug/L	89
35) Methylcyclohexane	6.117	83	5395	0.179	ug/L	94
37) 1,2-Dichloropropane	6.166	63	3769	0.229	ug/L #	85
38) Bromodichloromethane	6.503	83	4101	0.192	ug/L	96
39) cis-1,3-Dichloropropene	7.021	75	4379	0.198	ug/L	94
40) 4-Methyl-2-pentanone	7.223	43	12166	1.730	ug/L #	83
42) Toluene	7.381	91	15916	0.210	ug/L	98
44) trans-1,3-Dichloropropene	7.645	75	3076	0.173	ug/L	91
45) 1,1,2-Trichloroethane	7.831	97	2125	0.179	ug/L	94
47) Tetrachloroethene	7.966	164	2877	0.192	ug/L	86
49) Dibromochloromethane	8.236	129	2518	0.181	ug/L	95
50) 1,2-Dibromoethane	8.342	107	1864	0.181	ug/L #	96
51) Chlorobenzene	8.870	112	9008	0.187	ug/L	95
52) Ethylbenzene	9.002	91	14119	0.178	ug/L	95
53) m,p-Xylene	9.130	106	4953	0.158	ug/L	98
54) o-Xylene	9.532	106	4737	0.159	ug/L	91
55) Styrene	9.551	104	7475	0.146	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.227	83	2853	0.216	ug/L #	93
59) Bromoform	9.719	173	1356	0.194	ug/L #	94
60) Isopropylbenzene	9.918	105	11607	0.168	ug/L	97
61) 1,2,3-Trichloropropane	10.262	75	1907	0.239	ug/L #	86
62) 1,3,5-Trimethylbenzene	10.526	105	9291	0.157	ug/L	95
63) 1,2,4-Trimethylbenzene	10.902	105	9972	0.169	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	6773	0.194	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	7000	0.201	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	6904	0.219	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.416	75	514	0.272	ug/L	93
69) 1,3,5-Trichlorobenzene	12.632	180	5593	0.199	ug/L	96
70) 1,2,4-trichlorobenzene	13.246	180	4212	0.191	ug/L	94
71) Naphthalene	13.490	128	5840	0.205	ug/L	97
72) 1,2,3-Trichlorobenzene	13.728	180	3482	0.191	ug/L	94

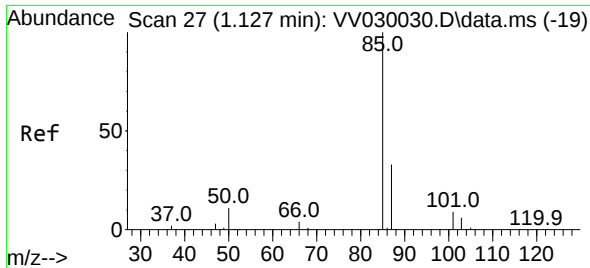
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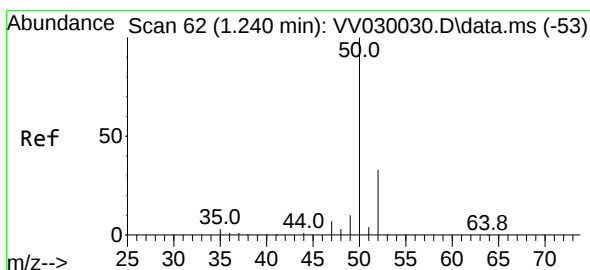
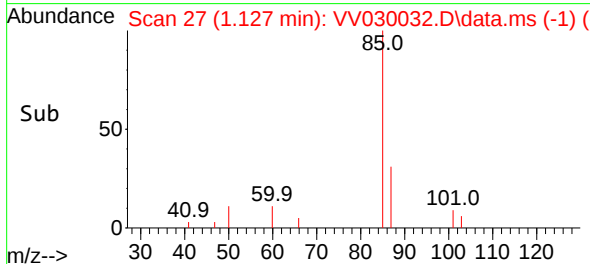
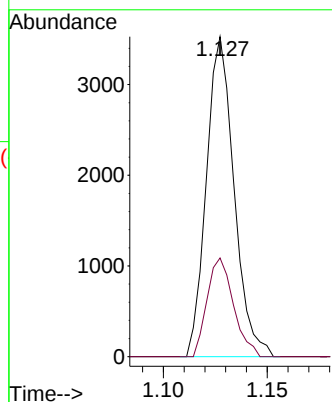
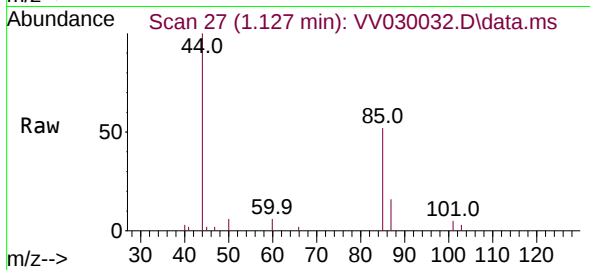




#2
 Dichlorodifluoromethane
 Concen: 0.158 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030032.D
 Acq: 03 Feb 2023 10:57

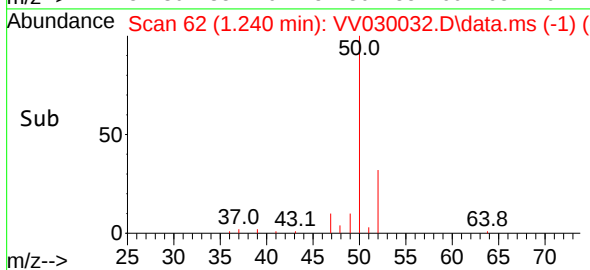
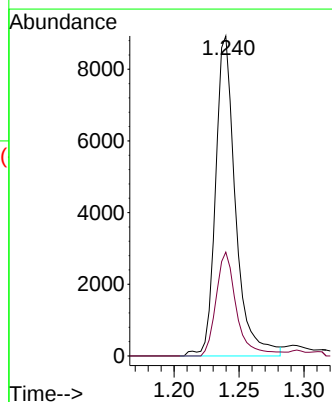
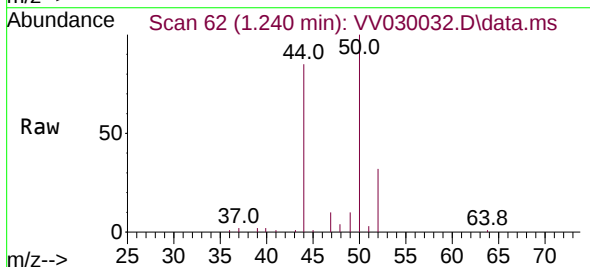
Instrument :
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 ClientSampleId :

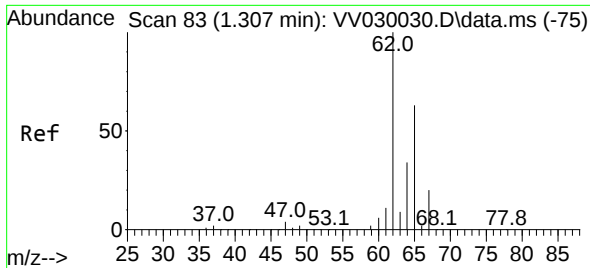
Tgt Ion: 85 Resp: 3263
 Ion Ratio Lower Upper
 85 100
 87 29.3 26.5 39.7



#3
 Chloromethane
 Concen: 0.438 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV030032.D
 Acq: 03 Feb 2023 10:57

Tgt Ion: 50 Resp: 9515
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.1 42.9

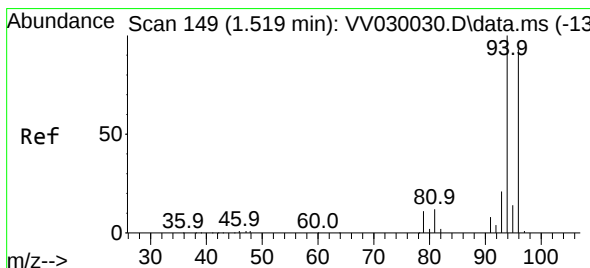
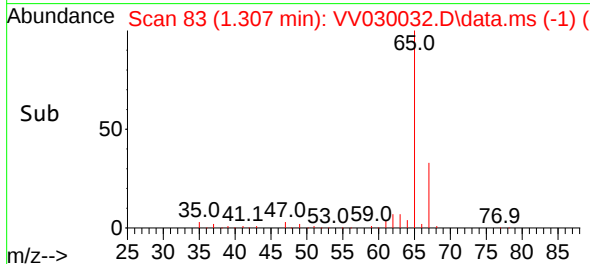
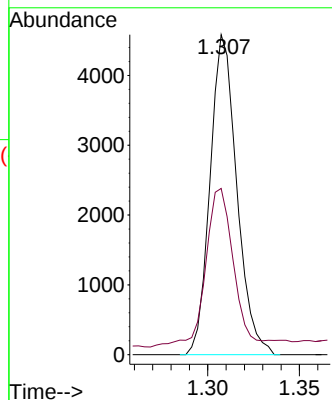
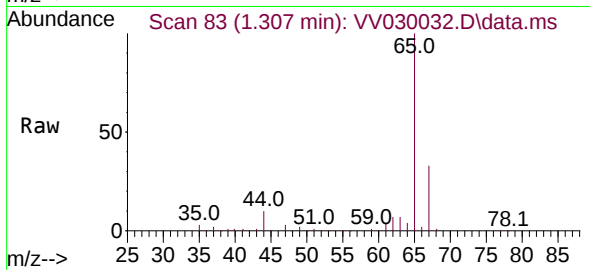




#5
 Vinyl chloride
 Concen: 0.217 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV030032.D
 Acq: 03 Feb 2023 10:57

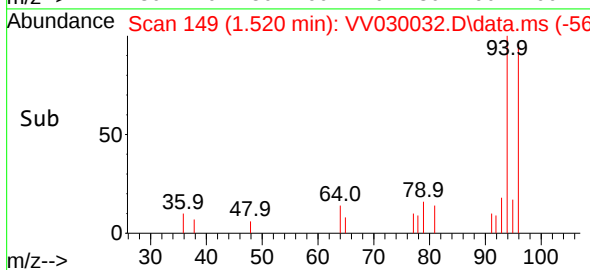
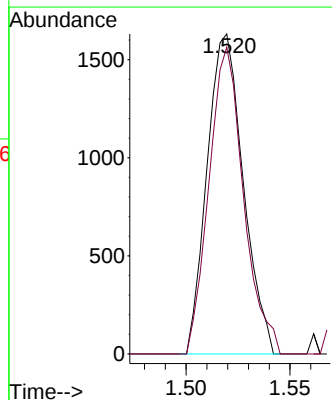
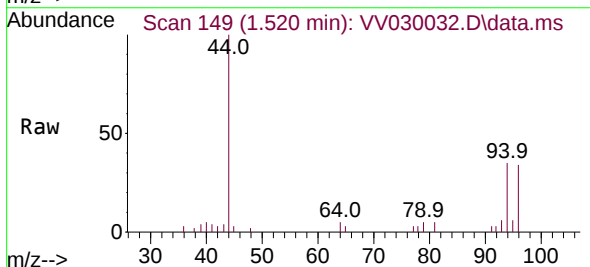
Instrument :
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 ClientSampleId :

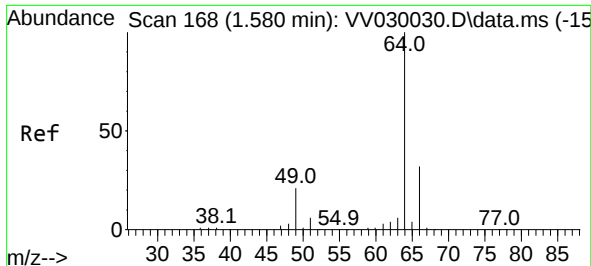
Tgt Ion: 62 Resp: 4632
 Ion Ratio Lower Upper
 62 100
 64 52.0 23.2 43.2#



#6
 Bromomethane
 Concen: 0.190 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV030032.D
 Acq: 03 Feb 2023 10:57

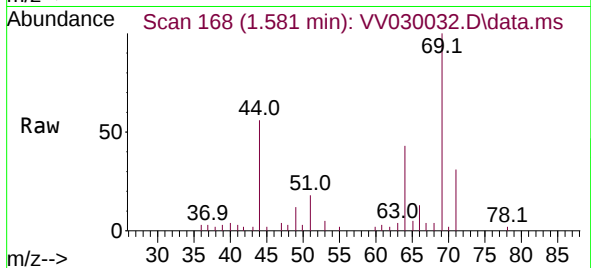
Tgt Ion: 94 Resp: 1970
 Ion Ratio Lower Upper
 94 100
 96 95.8 65.9 122.5



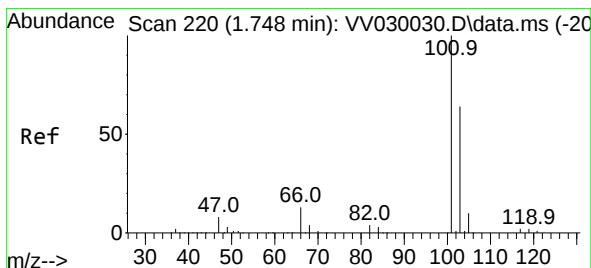
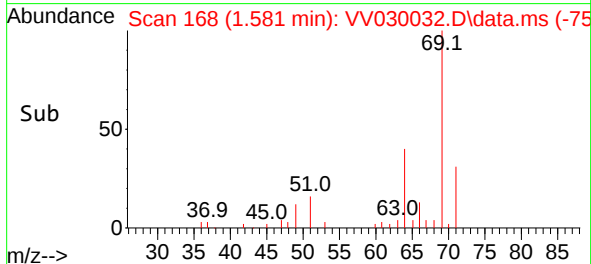
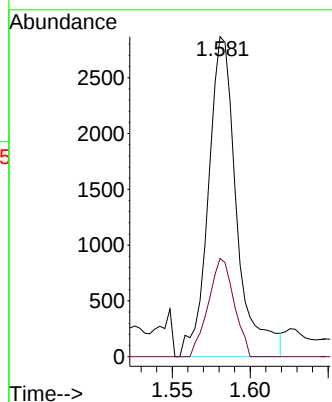


#8
Chloroethane
Concen: 0.281 ug/L
RT: 1.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

Instrument :
MSVOA_V
ClientSampleId :

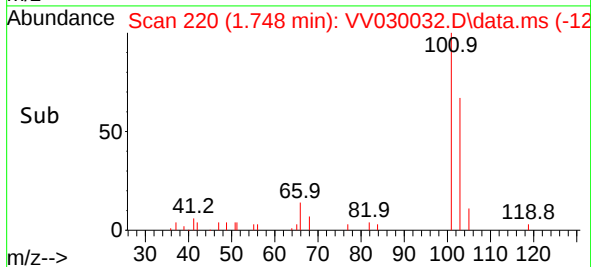
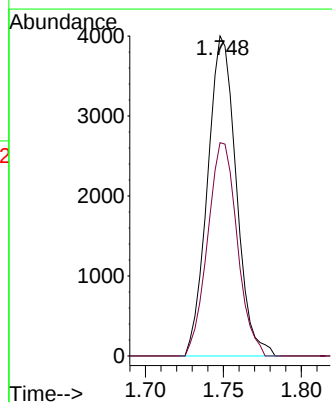
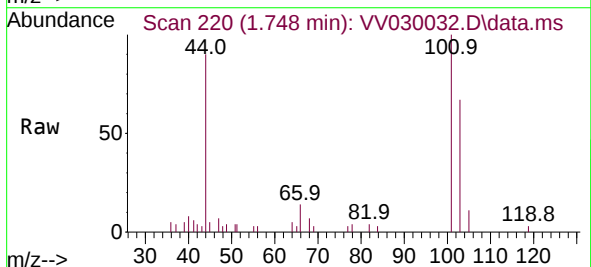


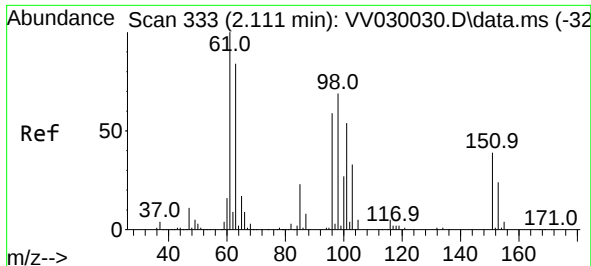
Tgt Ion: 64 Resp: 3636
Ion Ratio Lower Upper
64 100
66 30.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 0.183 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

Tgt Ion: 101 Resp: 5115
Ion Ratio Lower Upper
101 100
103 68.7 51.8 77.8

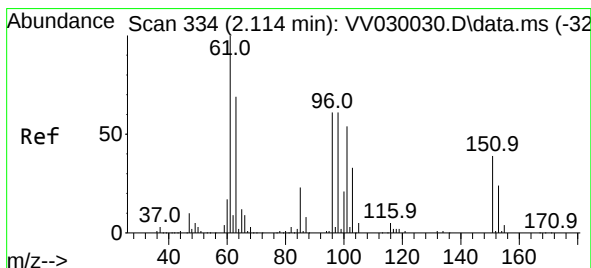
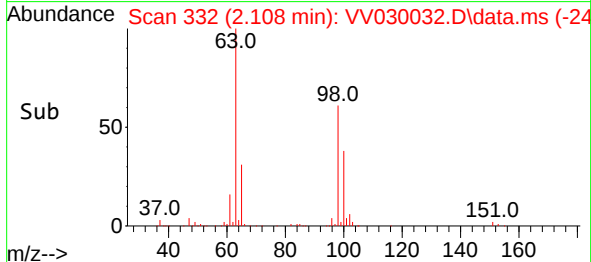
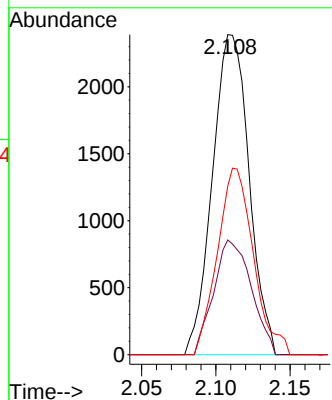
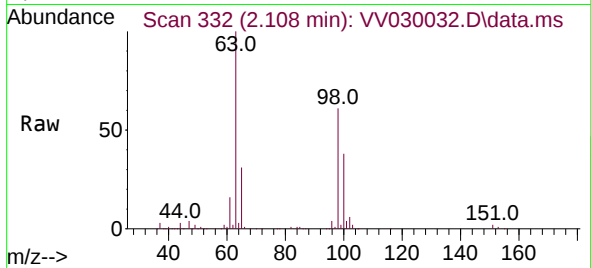




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.250 ug/L
RT: 2.108 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

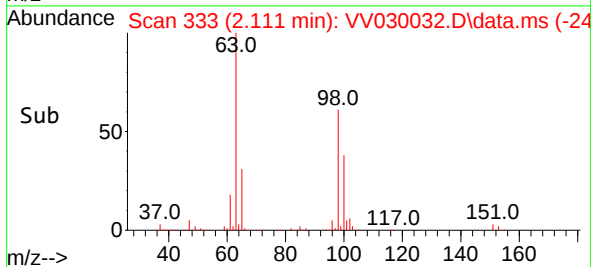
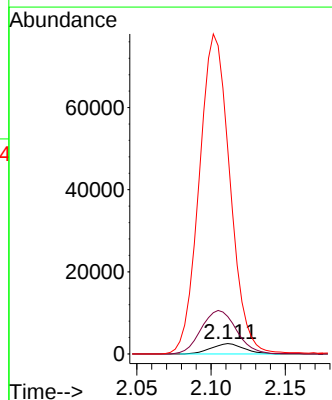
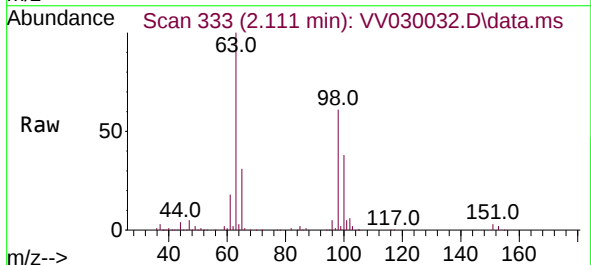
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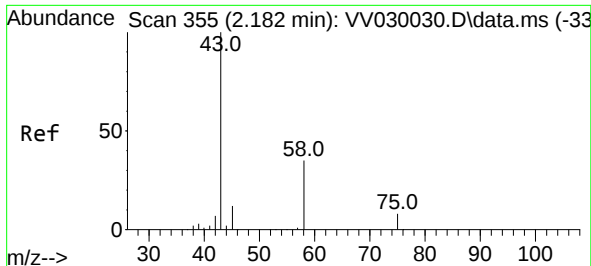
Tgt Ion:101 Resp: 4102
Ion Ratio Lower Upper
101 100
85 36.7 32.9 49.3
151 57.3 60.9 91.3#



#12
1,1-Dichloroethene
Concen: 0.204 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

Tgt Ion: 96 Resp: 3859
Ion Ratio Lower Upper
96 100
61 357.6 106.1 197.1#
63 1964.8 76.4 141.8#





#13

Acetone

Concen: 5.609 ug/L

RT: 2.182 min Scan# 355

Delta R.T. 0.000 min

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Instrument :

MSVOA_V

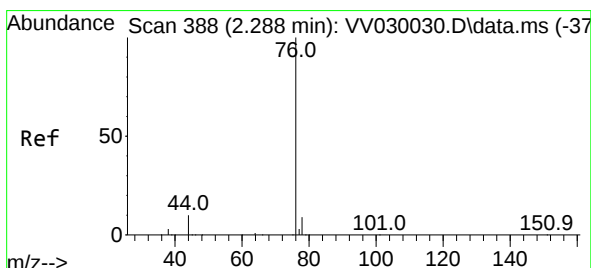
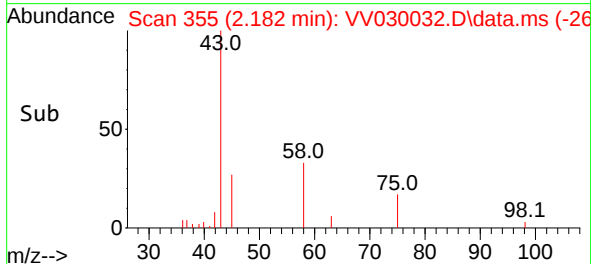
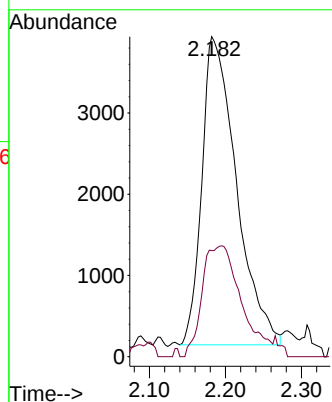
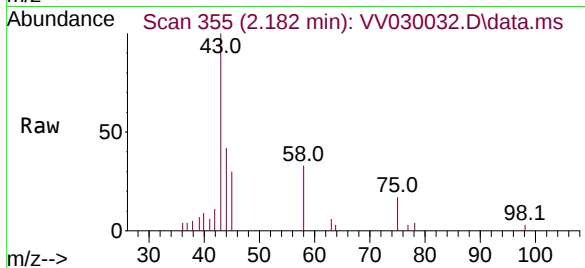
ClientSampleId :

Tgt Ion: 43 Resp: 11938

Ion Ratio Lower Upper

43 100

58 40.7 0.0 68.8



#14

Carbon disulfide

Concen: 0.175 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV030032.D

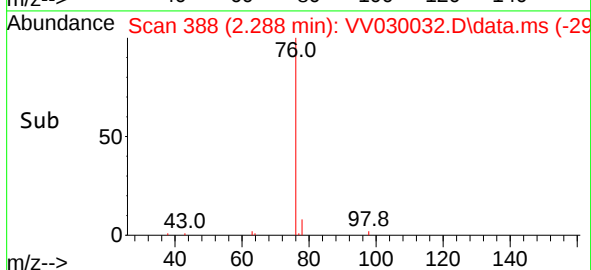
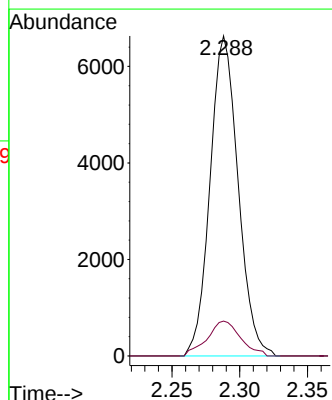
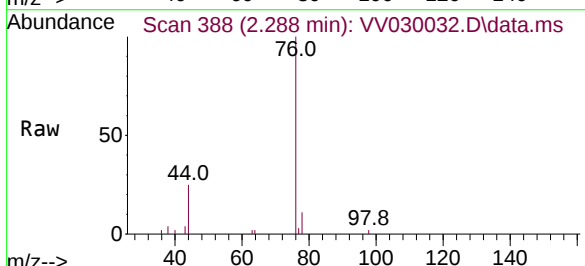
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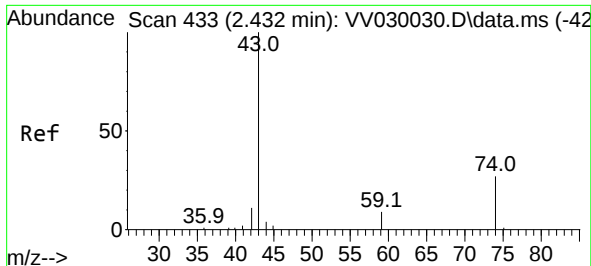
Tgt Ion: 76 Resp: 9542

Ion Ratio Lower Upper

76 100

78 10.9 7.4 11.0

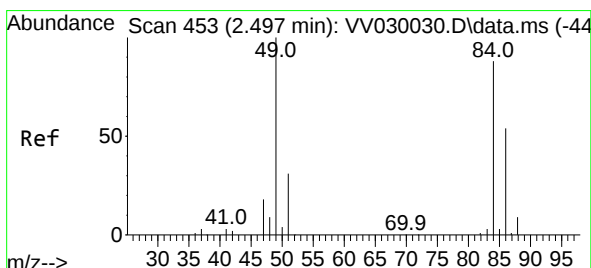
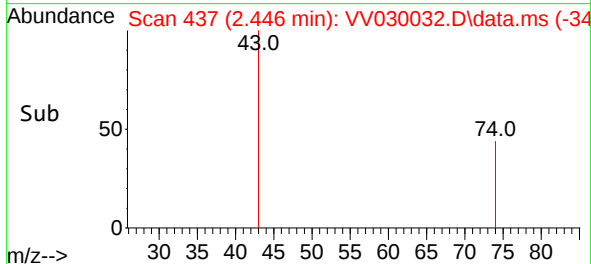
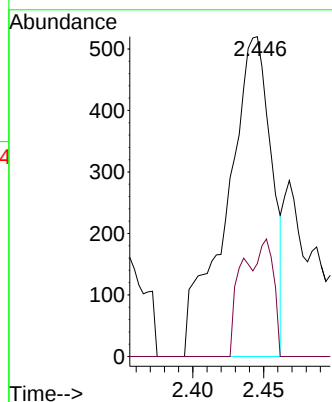
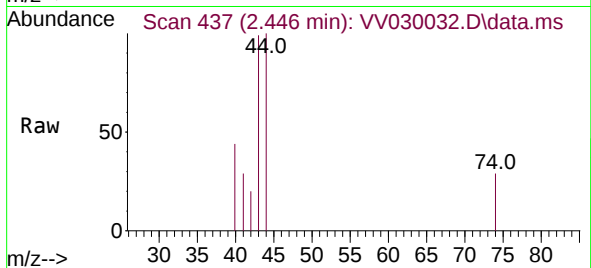




#15
Methyl Acetate
Concen: 0.208 ug/L
RT: 2.446 min Scan# 41
Delta R.T. 0.013 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

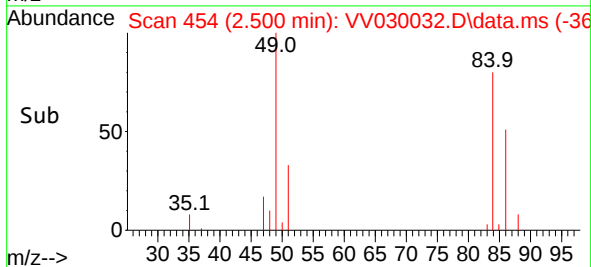
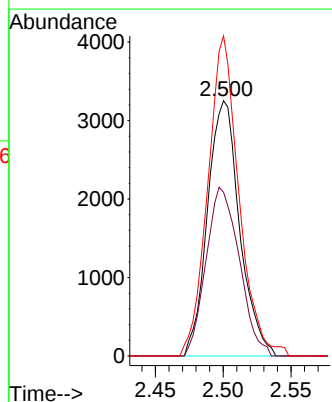
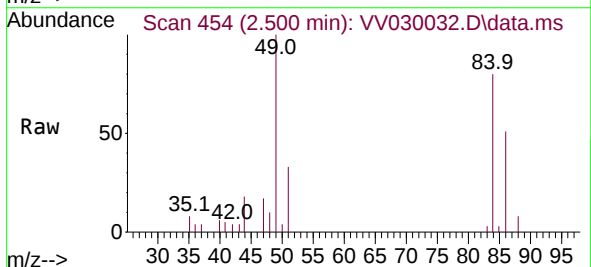
Instrument :
MSVOA_V
ClientSampleId :

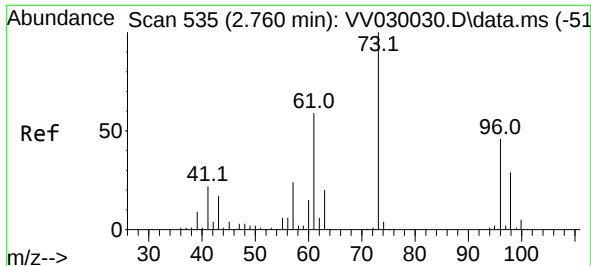
Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
74 13.4 23.4 35.0#



#16
Methylene chloride
Concen: 0.227 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.003 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

Tgt Ion: 84 Resp: 5352
Ion Ratio Lower Upper
84 100
86 64.1 45.0 83.6
49 125.4 71.5 132.7





#17

Methyl tert-butyl Ether

Concen: 0.184 ug/L

RT: 2.764 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

ClientSampleId :

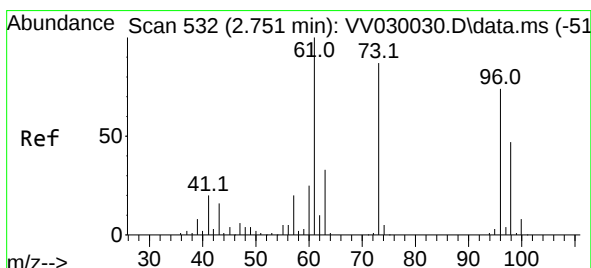
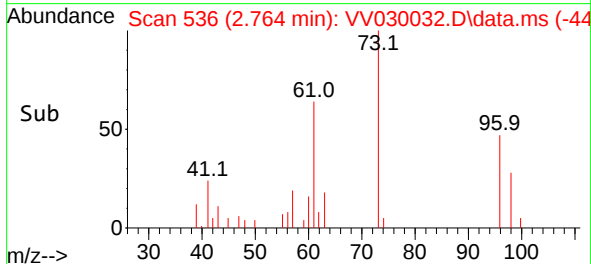
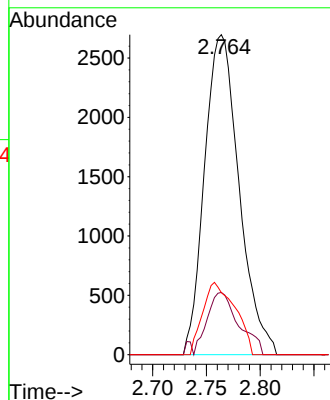
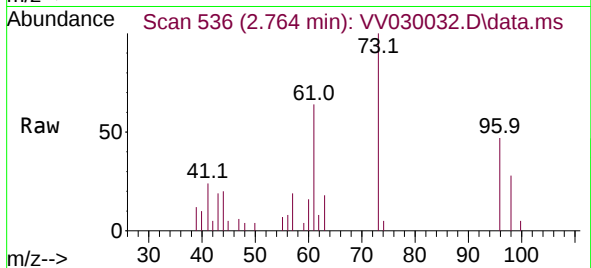
Tgt Ion: 73 Resp: 6027

Ion Ratio Lower Upper

73 100

43 17.8 13.0 19.4

57 21.2 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 0.185 ug/L

RT: 2.751 min Scan# 532

Delta R.T. 0.000 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

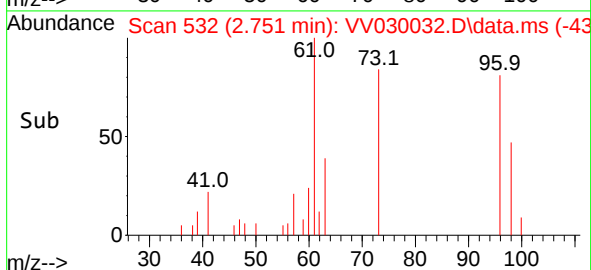
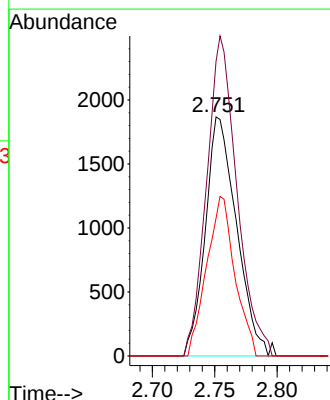
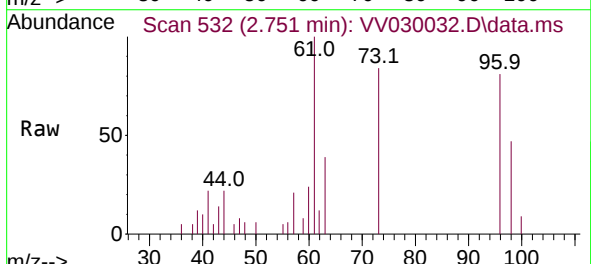
Tgt Ion: 96 Resp: 3262

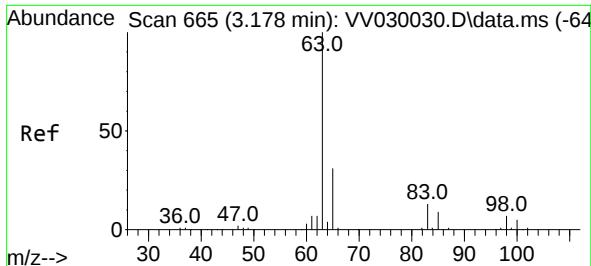
Ion Ratio Lower Upper

96 100

61 123.3 86.1 159.9

98 57.6 43.9 81.5





#19

1,1-Dichloroethane

Concen: 0.208 ug/L

RT: 3.179 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV030032.D

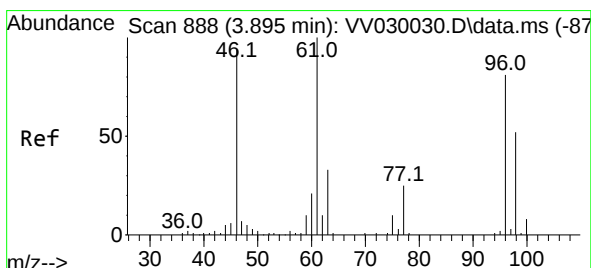
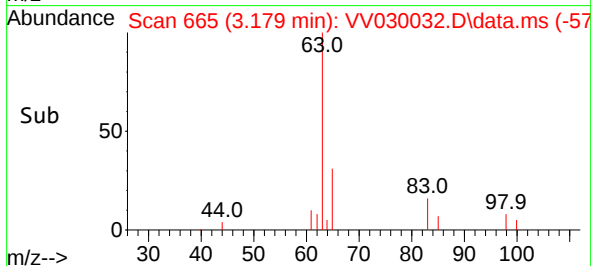
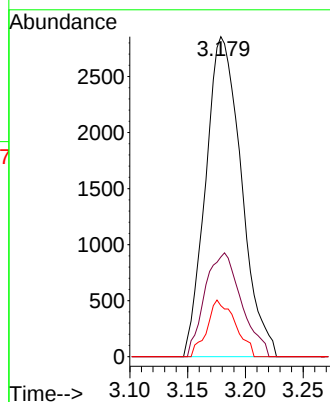
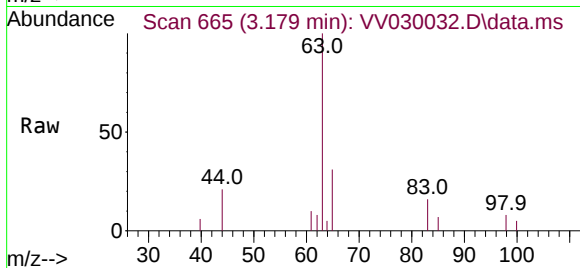
Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 6125		
Ion Ratio	Lower	Upper	
63	100		
65	31.2	22.4	41.6
83	16.0	10.2	19.0



#22

cis-1,2-Dichloroethene

Concen: 0.173 ug/L

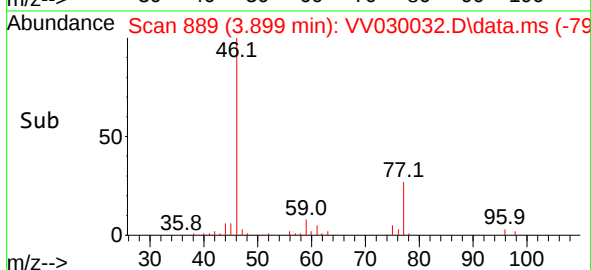
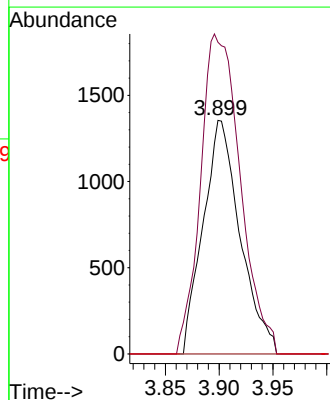
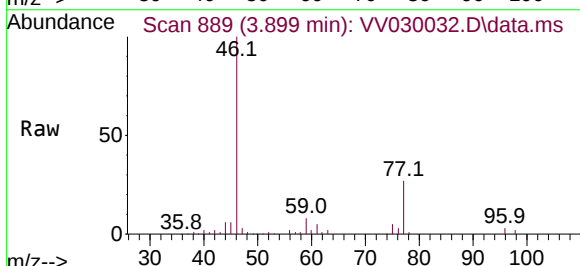
RT: 3.899 min Scan# 889

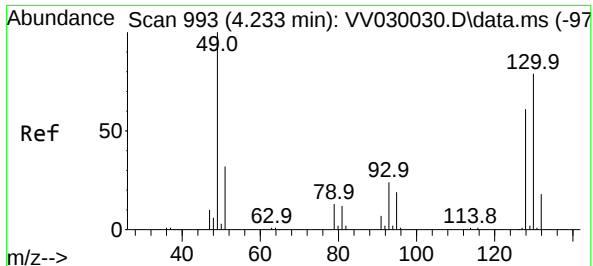
Delta R.T. 0.003 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

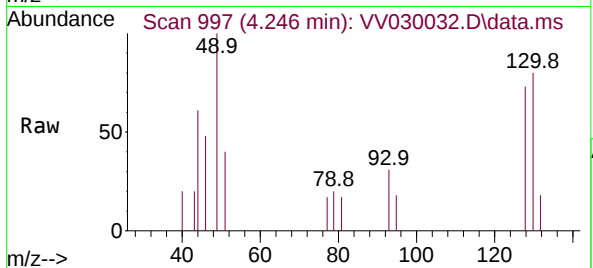
Tgt Ion: 96	Resp: 3246		
Ion Ratio	Lower	Upper	
96	100		
61	133.4	80.0	148.6
68	0.0	0.0	0.0



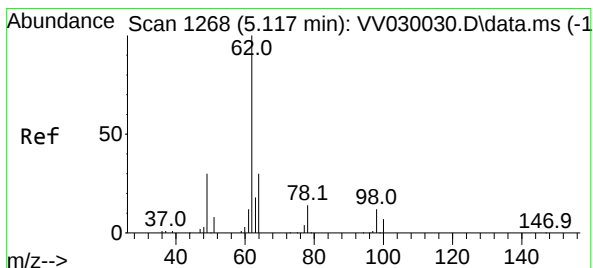
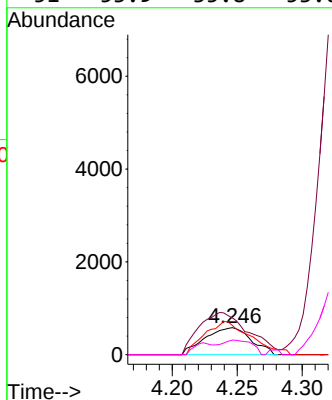
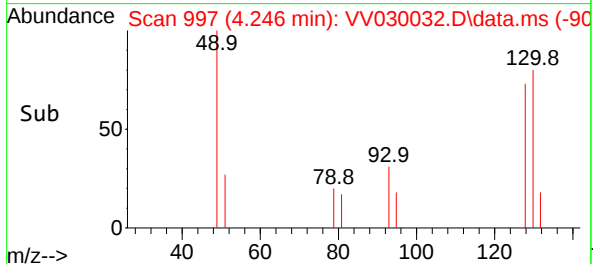


#23
Bromochloromethane
Concen: 0.185 ug/L
RT: 4.246 min Scan# 993
Delta R.T. 0.013 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

Instrument :
MSVOA_V
ClientSampleId :

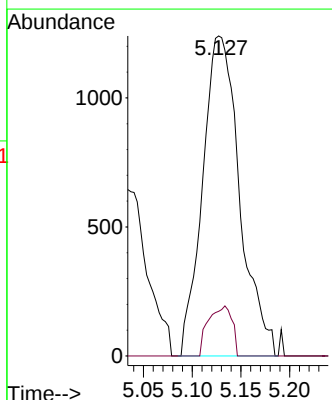
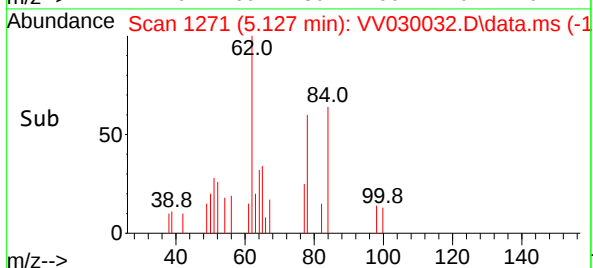
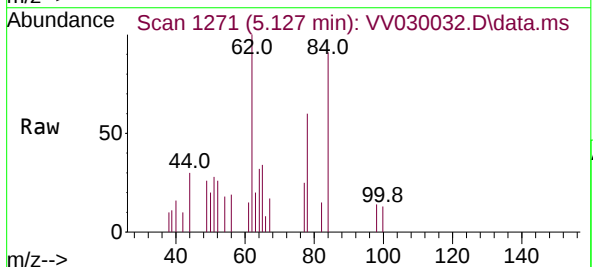


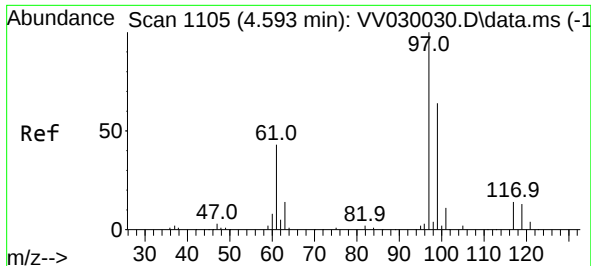
Tgt Ion:	128	Resp:	1435
Ion	Ratio	Lower	Upper
128	100		
49	136.3	91.2	169.4
130	108.8	87.0	161.6
51	53.9	35.8	53.6#



#27
1,2-Dichloroethane
Concen: 0.211 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. 0.010 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

Tgt Ion:	62	Resp:	3288
Ion	Ratio	Lower	Upper
62	100		
98	14.0	8.9	13.3#





#29

1,1,1-Trichloroethane

Concen: 0.178 ug/L

RT: 4.590 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV030032.D

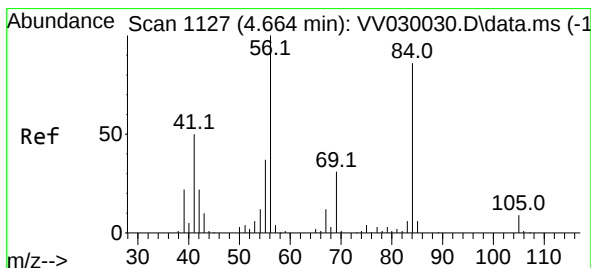
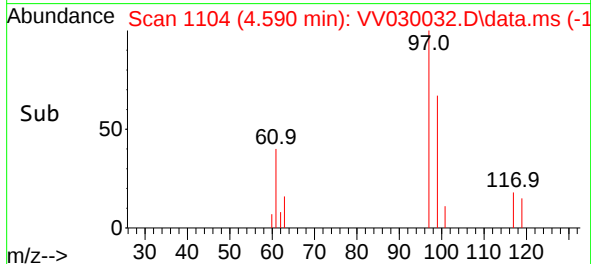
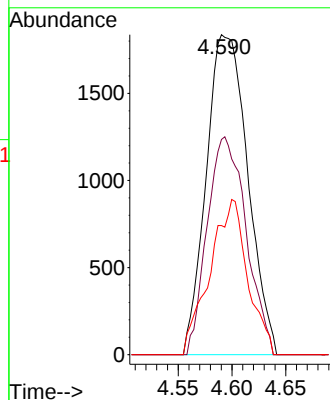
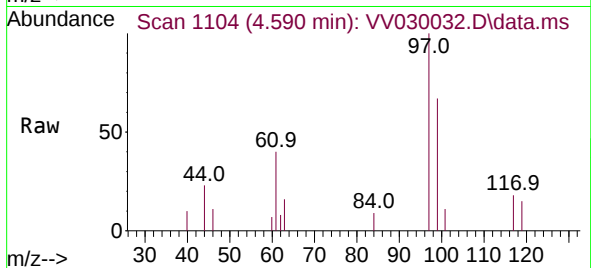
Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97	Resp: 4929
Ion Ratio	Lower Upper
97 100	
99 63.9	51.3 76.9
61 44.1	31.6 47.4



#30

Cyclohexane

Concen: 0.222 ug/L

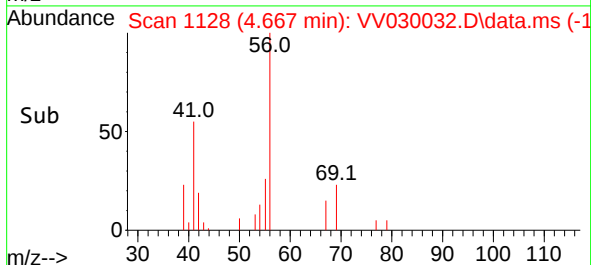
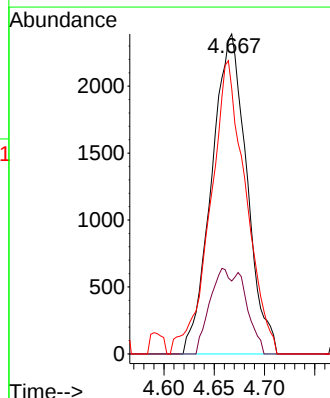
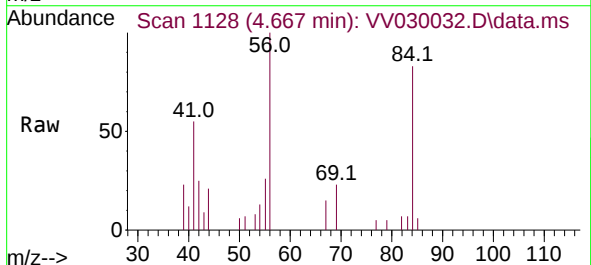
RT: 4.667 min Scan# 1128

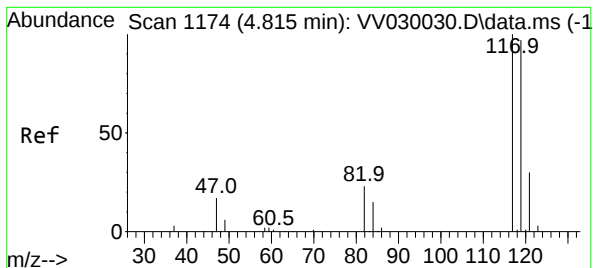
Delta R.T. 0.003 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Tgt Ion: 56	Resp: 5796
Ion Ratio	Lower Upper
56 100	
69 16.3	26.7 40.1#
84 92.3	73.8 110.8





#31

Carbon tetrachloride

Concen: 0.187 ug/L

RT: 4.815 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

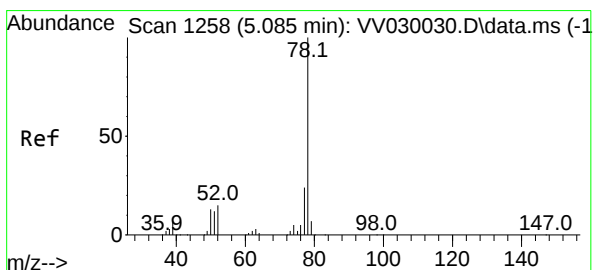
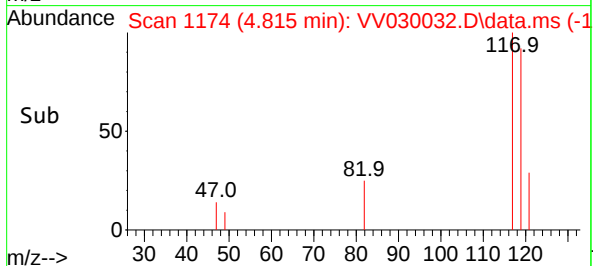
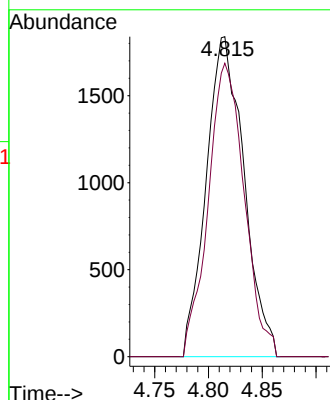
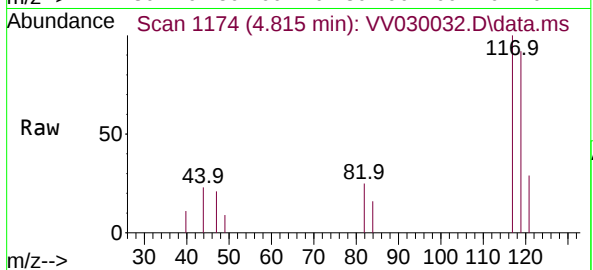
ClientSampleId :

Tgt Ion:117 Resp: 4490

Ion Ratio Lower Upper

117 100

119 87.4 76.6 114.8



#33

Benzene

Concen: 0.201 ug/L

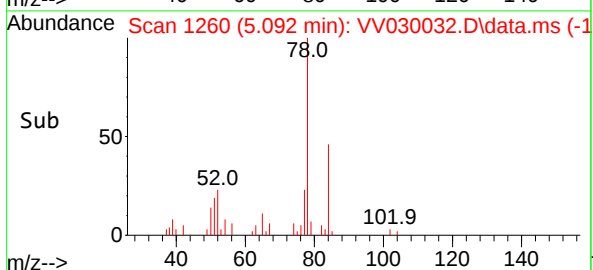
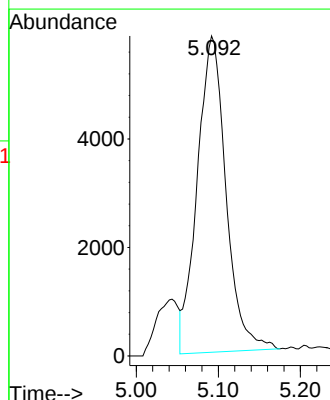
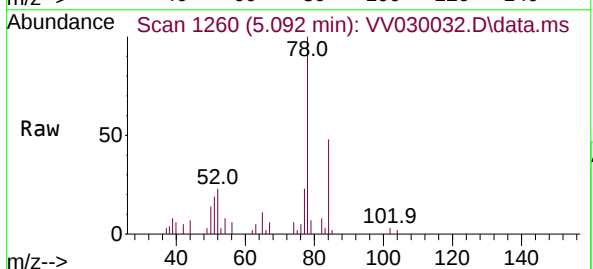
RT: 5.092 min Scan# 1260

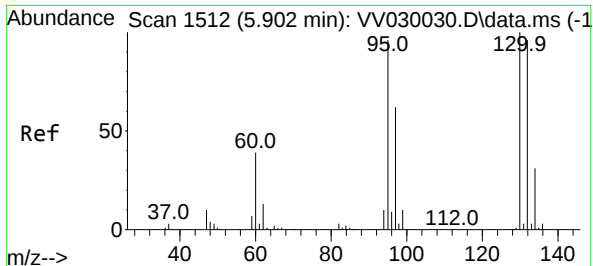
Delta R.T. 0.007 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

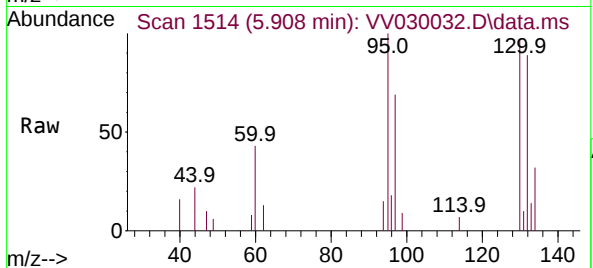
Tgt Ion: 78 Resp: 14177





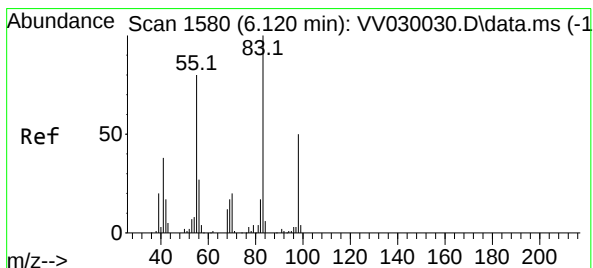
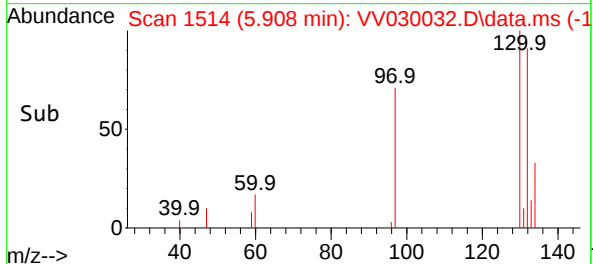
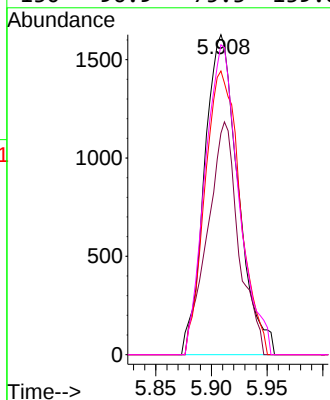
#34
 Trichloroethene
 Concen: 0.192 ug/L
 RT: 5.908 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: VV030032.D
 Acq: 03 Feb 2023 10:57

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 95 Resp: 3421

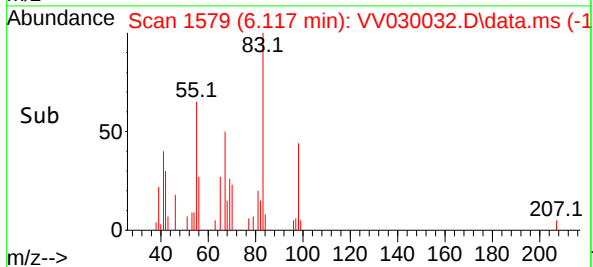
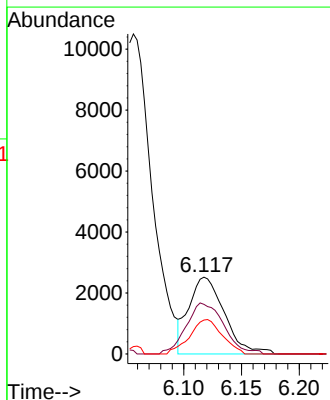
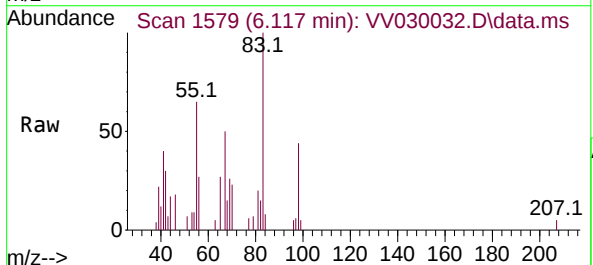
Ion	Ratio	Lower	Upper
95	100		
97	69.2	44.9	83.3
132	88.6	71.8	133.4
130	96.9	75.3	139.8

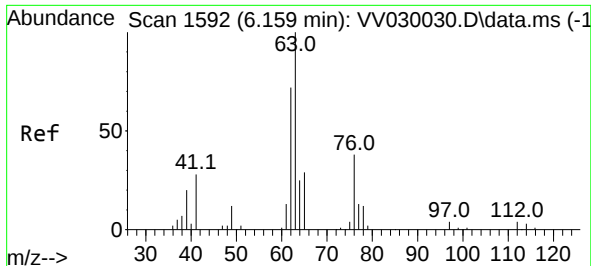


#35
 Methylcyclohexane
 Concen: 0.179 ug/L
 RT: 6.117 min Scan# 1579
 Delta R.T. -0.003 min
 Lab File: VV030032.D
 Acq: 03 Feb 2023 10:57

Tgt Ion: 83 Resp: 5395

Ion	Ratio	Lower	Upper
83	100		
55	70.2	57.3	85.9
98	41.0	39.0	58.6





#37

1,2-Dichloropropane

Concen: 0.229 ug/L

RT: 6.166 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

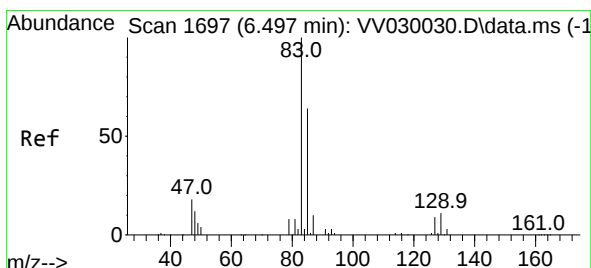
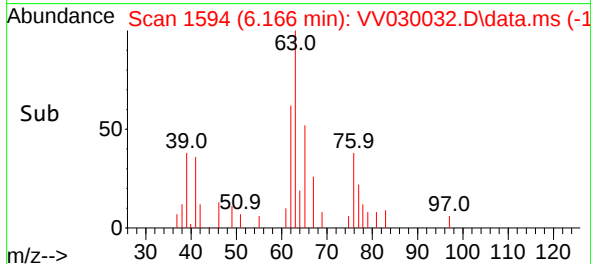
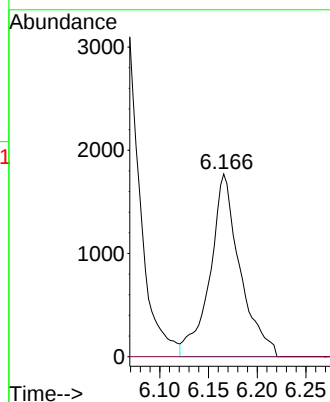
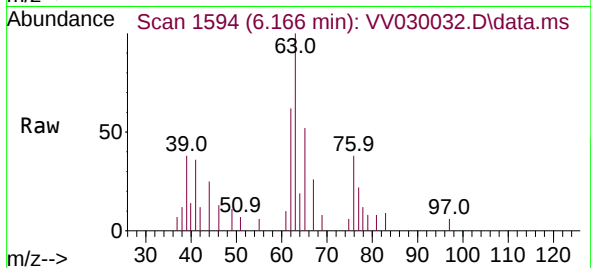
ClientSampleId :

Tgt Ion: 63 Resp: 3769

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#38

Bromodichloromethane

Concen: 0.192 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.007 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

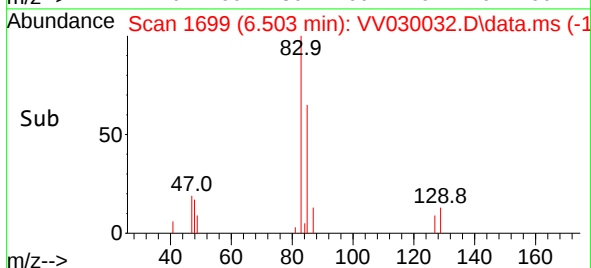
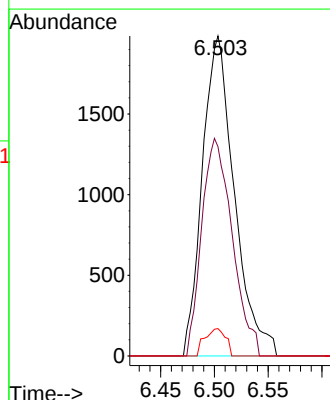
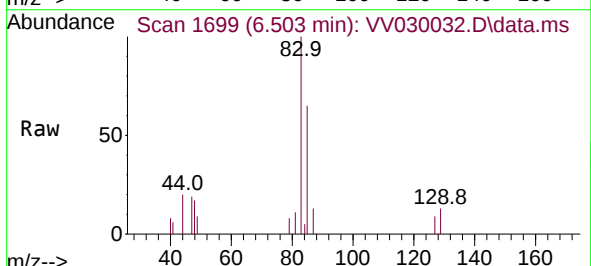
Tgt Ion: 83 Resp: 4101

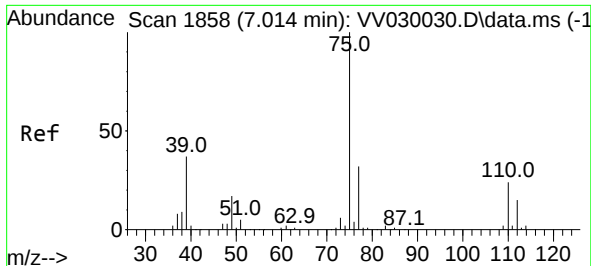
Ion Ratio Lower Upper

83 100

85 65.4 43.2 80.2

127 8.5 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 0.198 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.007 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

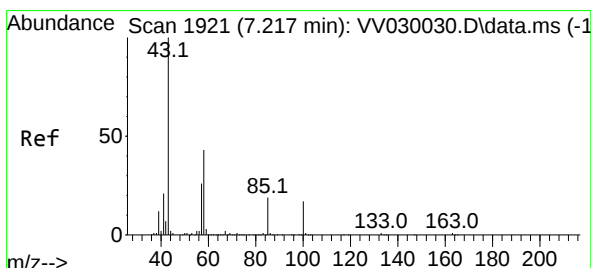
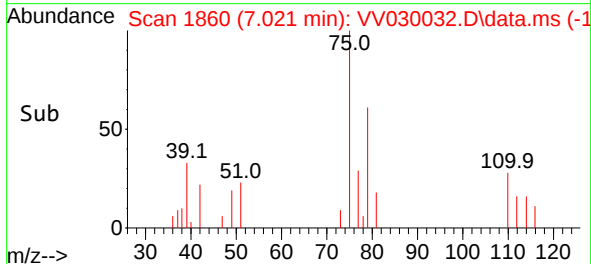
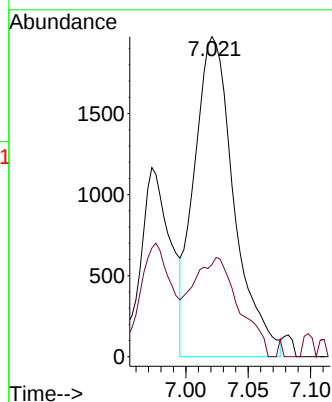
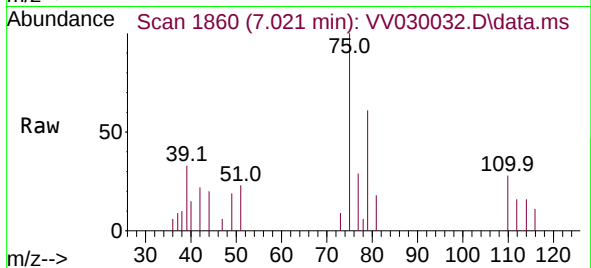
ClientSampleId :

Tgt Ion: 75 Resp: 4379

Ion Ratio Lower Upper

75 100

77 28.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 1.730 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.007 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

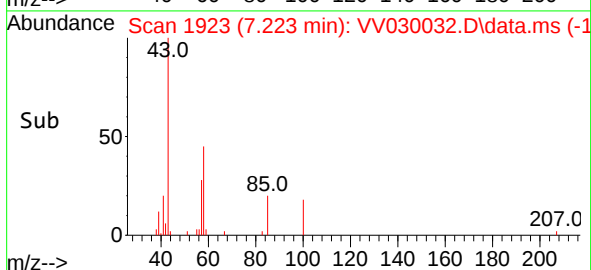
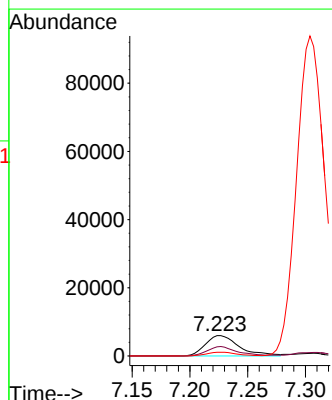
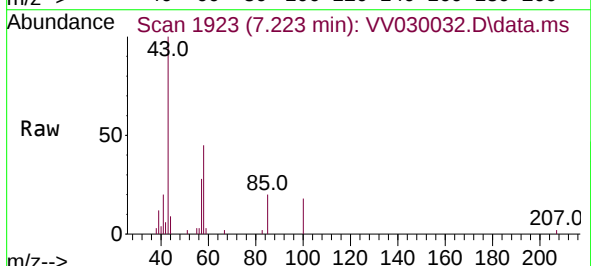
Tgt Ion: 43 Resp: 12166

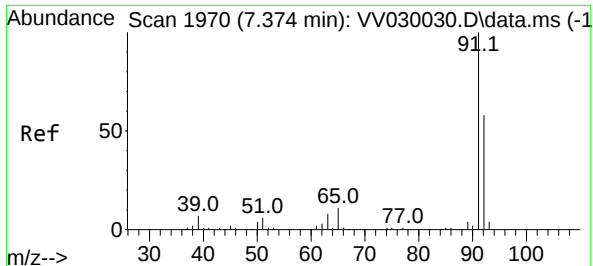
Ion Ratio Lower Upper

43 100

58 42.2 36.7 55.1

100 0.0 15.6 23.4#





#42

Toluene

Concen: 0.210 ug/L

RT: 7.381 min Scan# 1970

Delta R.T. 0.007 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

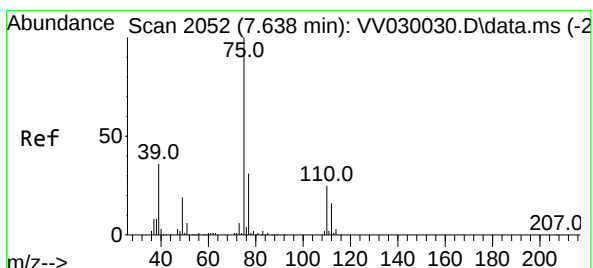
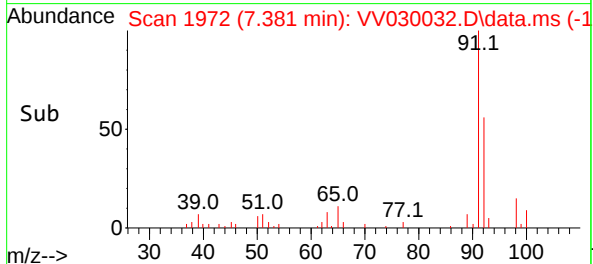
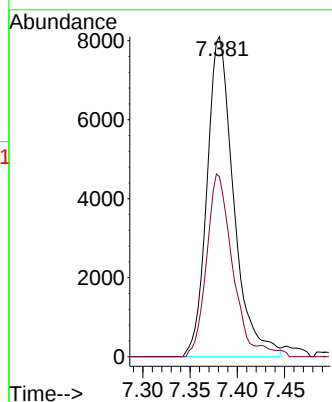
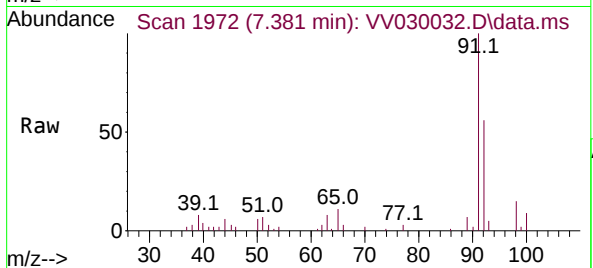
ClientSampleId :

Tgt Ion: 91 Resp: 15916

Ion Ratio Lower Upper

91 100

92 56.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 0.173 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.007 min

Lab File: VV030032.D

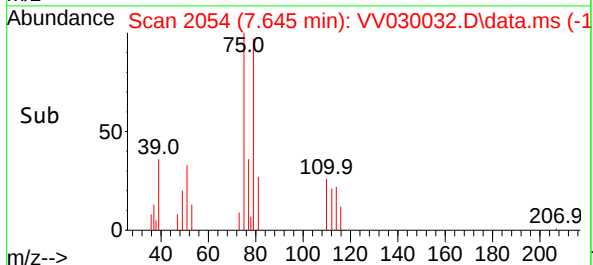
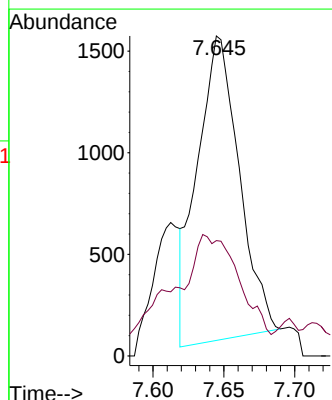
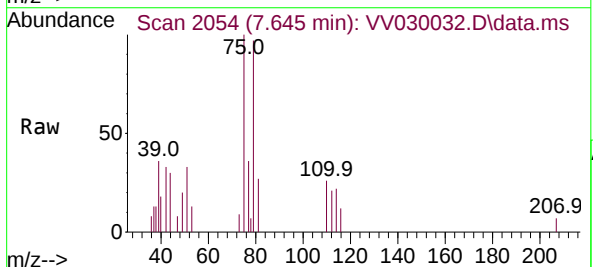
Acq: 03 Feb 2023 10:57

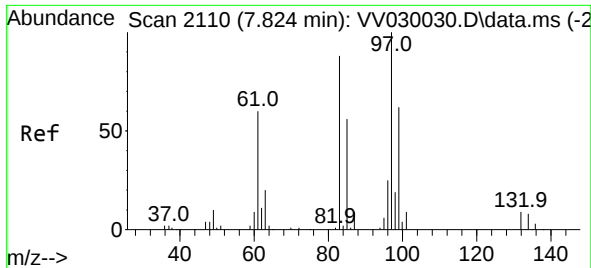
Tgt Ion: 75 Resp: 3076

Ion Ratio Lower Upper

75 100

77 36.1 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 0.179 ug/L

RT: 7.831 min Scan# 2112

Delta R.T. 0.007 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 2125

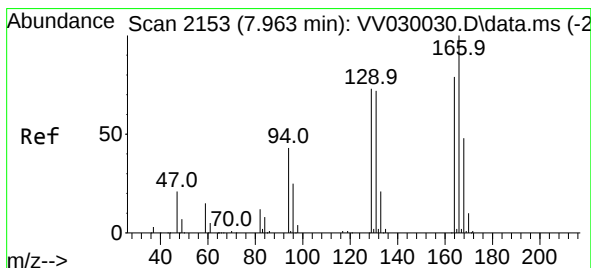
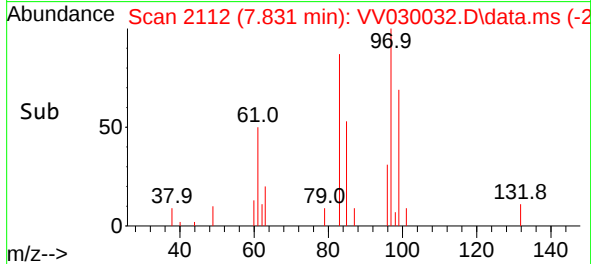
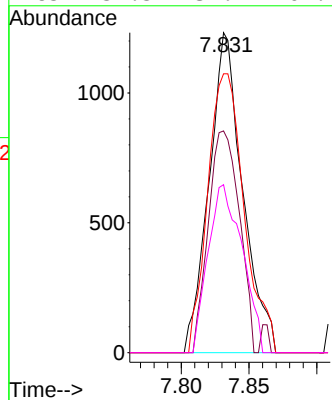
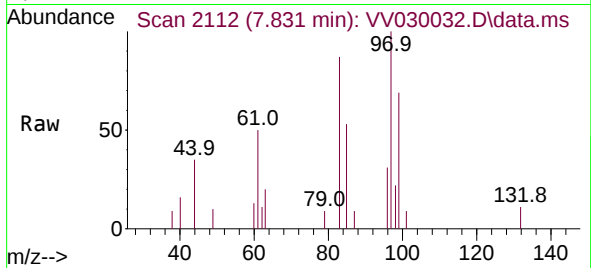
Ion Ratio Lower Upper

97 100

99 69.3 41.9 77.7

83 87.2 58.7 109.1

85 52.5 37.7 69.9



#47

Tetrachloroethene

Concen: 0.192 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.003 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Tgt Ion: 164 Resp: 2877

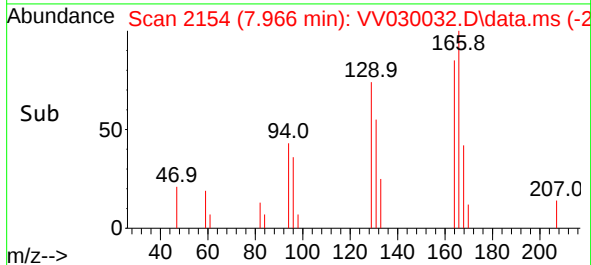
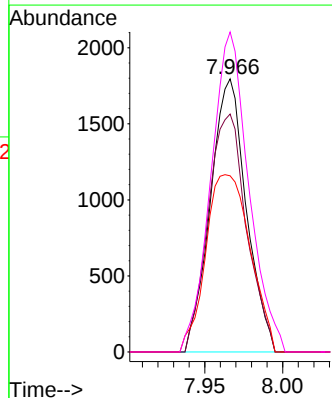
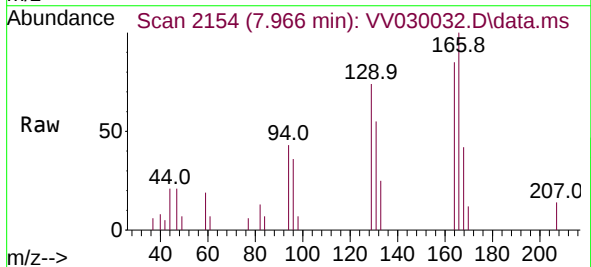
Ion Ratio Lower Upper

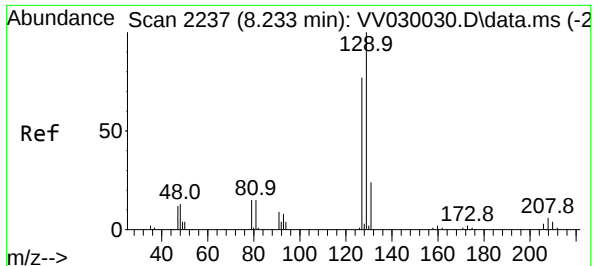
164 100

129 87.1 64.5 119.7

131 64.5 62.9 116.7

166 117.1 90.7 168.5





#49

Dibromochloromethane

Concen: 0.181 ug/L

RT: 8.236 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

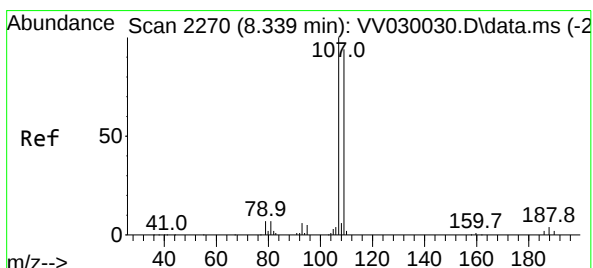
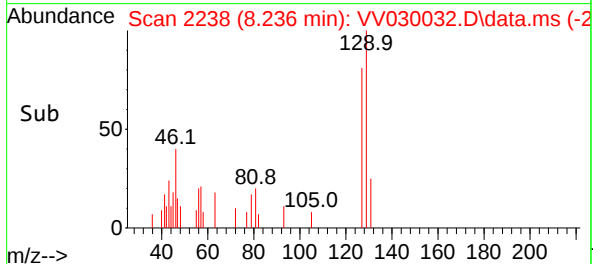
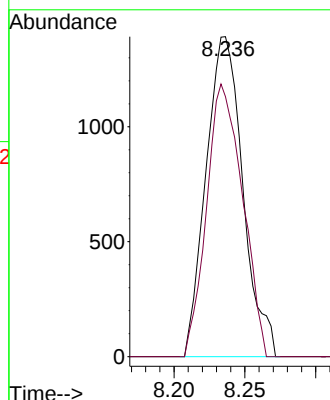
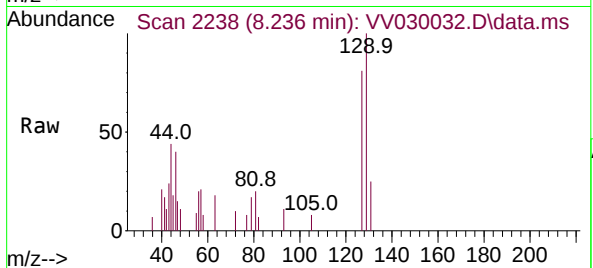
ClientSampleId :

Tgt Ion:129 Resp: 2518

Ion Ratio Lower Upper

129 100

127 81.3 54.1 100.5



#50

1,2-Dibromoethane

Concen: 0.181 ug/L

RT: 8.342 min Scan# 2271

Delta R.T. 0.003 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

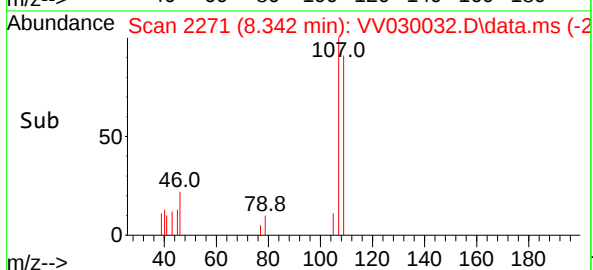
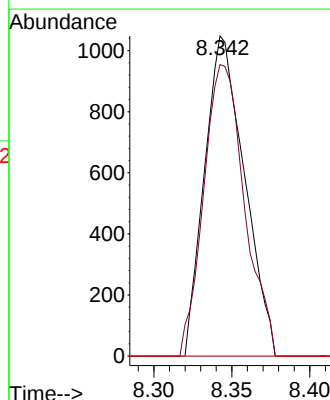
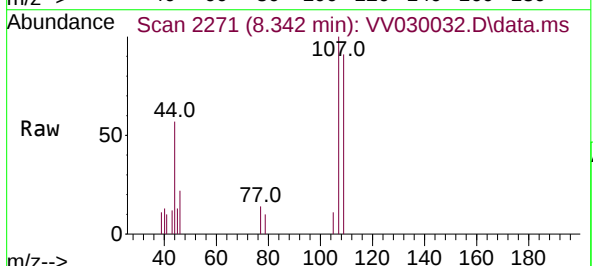
Tgt Ion:107 Resp: 1864

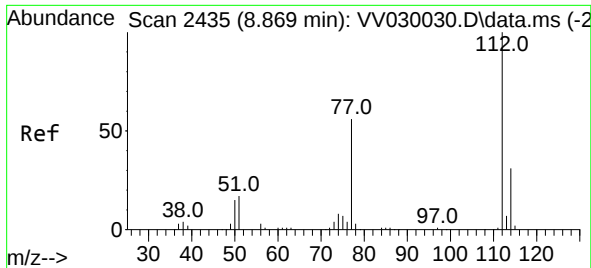
Ion Ratio Lower Upper

107 100

109 91.0 66.1 122.7

188 0.0 2.9 4.3#

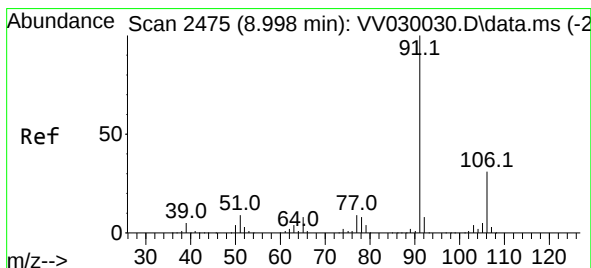
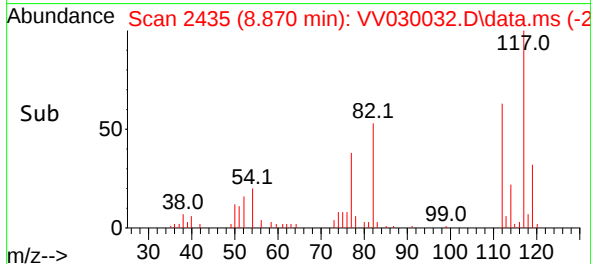
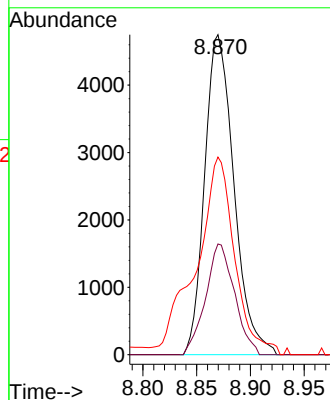
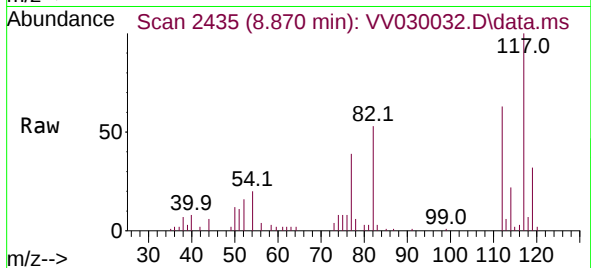




#51
Chlorobenzene
Concen: 0.187 ug/L
RT: 8.870 min Scan# 2435
Delta R.T. 0.000 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

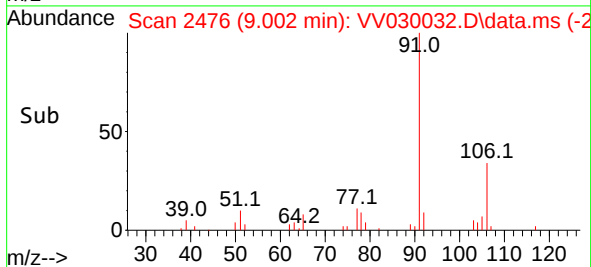
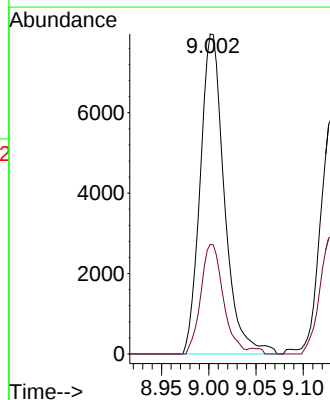
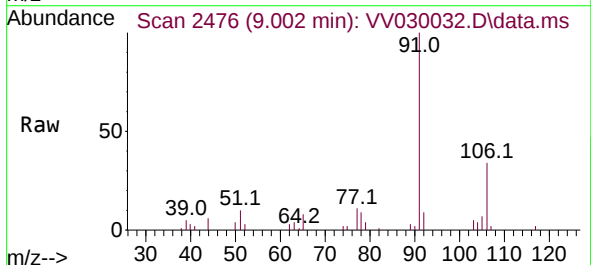
Instrument :
MSVOA_V
ClientSampleId :

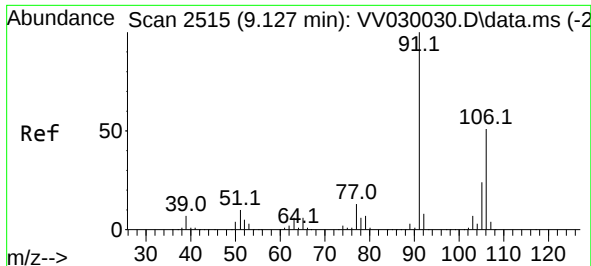
Tgt Ion:112 Resp: 9008
Ion Ratio Lower Upper
112 100
114 34.6 22.5 41.9
77 61.8 46.1 69.1



#52
Ethylbenzene
Concen: 0.178 ug/L
RT: 9.002 min Scan# 2476
Delta R.T. 0.003 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

Tgt Ion: 91 Resp: 14119
Ion Ratio Lower Upper
91 100
106 34.2 21.9 40.7





#53

m,p-Xylene

Concen: 0.158 ug/L

RT: 9.130 min Scan# 2515

Delta R.T. 0.003 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

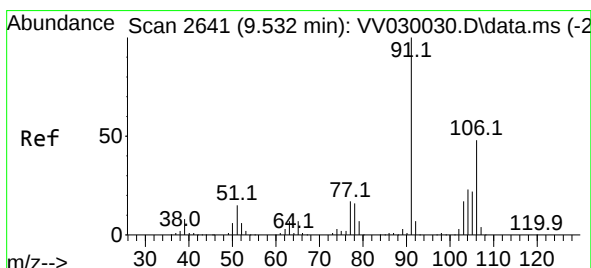
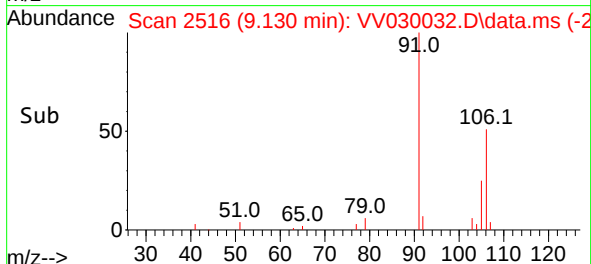
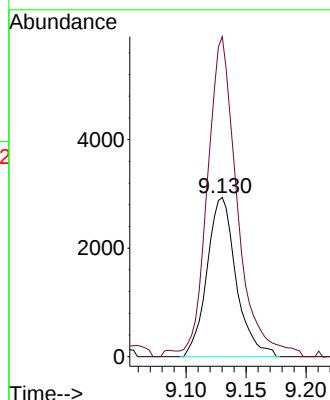
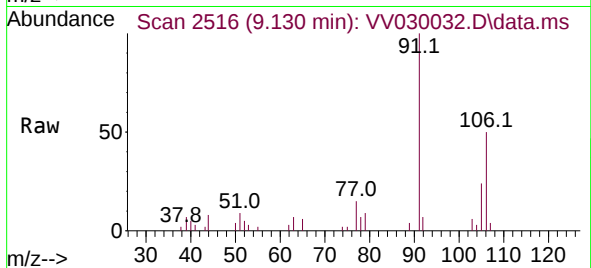
ClientSampleId :

Tgt Ion:106 Resp: 4953

Ion Ratio Lower Upper

106 100

91 201.1 138.7 257.7



#54

o-Xylene

Concen: 0.159 ug/L

RT: 9.532 min Scan# 2641

Delta R.T. 0.000 min

Lab File: VV030032.D

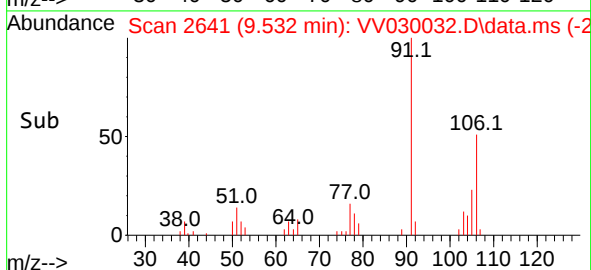
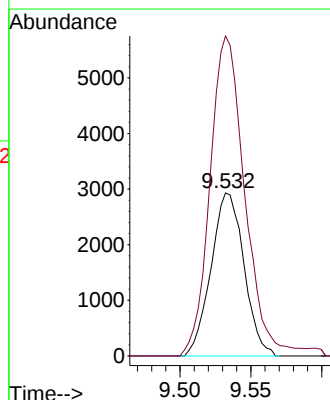
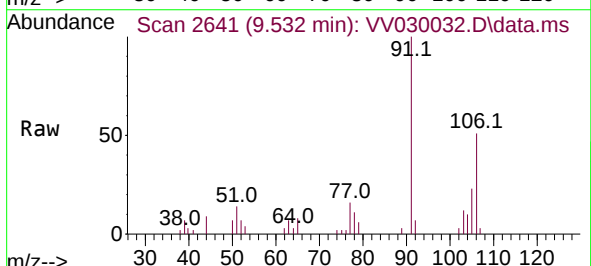
Acq: 03 Feb 2023 10:57

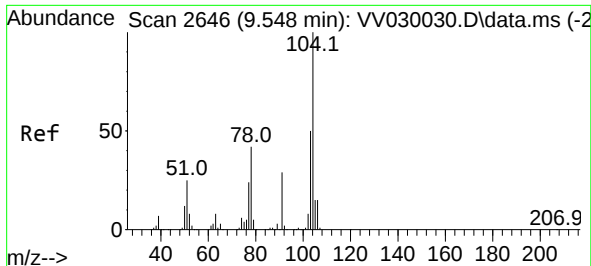
Tgt Ion:106 Resp: 4737

Ion Ratio Lower Upper

106 100

91 196.3 147.7 274.3

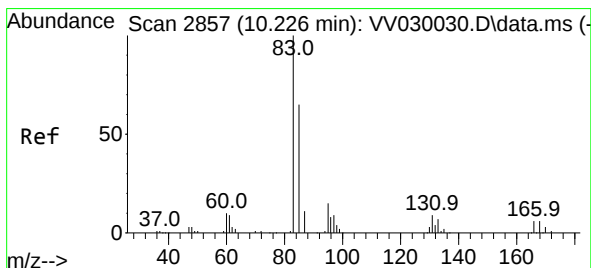
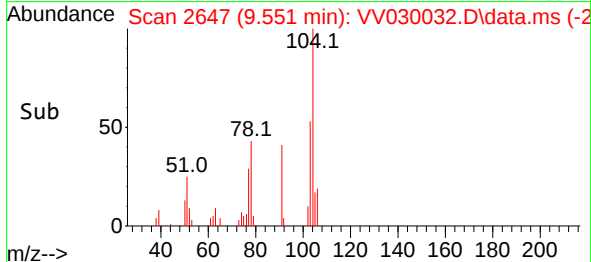
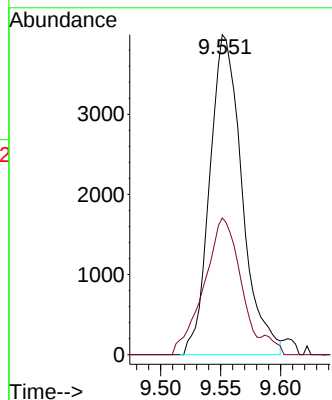
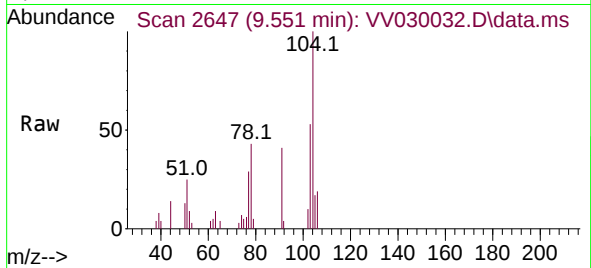




#55
Styrene
Concen: 0.146 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

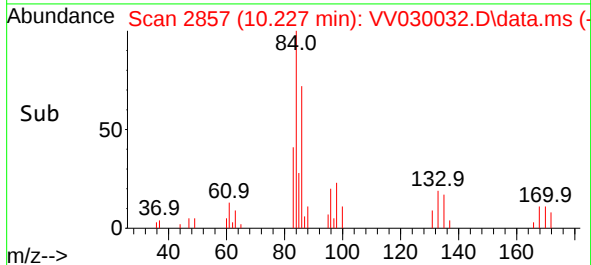
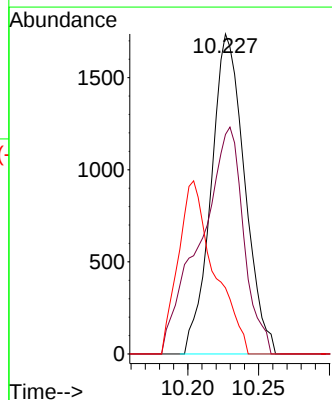
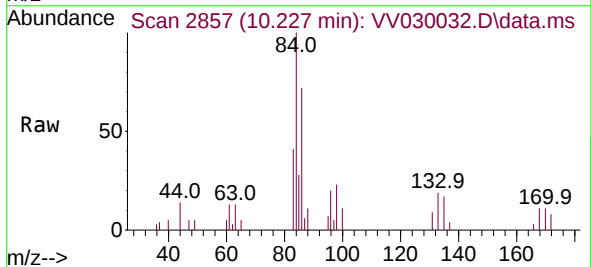
Instrument :
MSVOA_V
ClientSampleId :

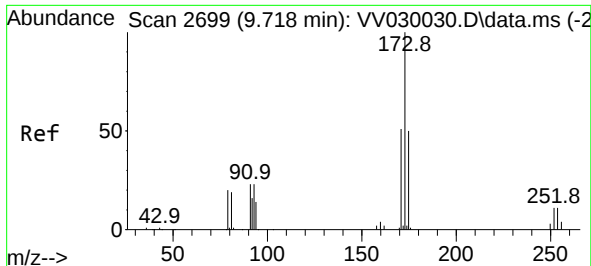
Tgt Ion:104 Resp: 7475
Ion Ratio Lower Upper
104 100
78 42.8 28.6 53.2



#57
1,1,2,2-Tetrachloroethane
Concen: 0.216 ug/L
RT: 10.227 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

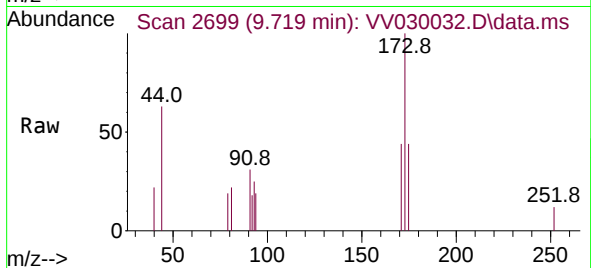
Tgt Ion: 83 Resp: 2853
Ion Ratio Lower Upper
83 100
85 68.6 46.0 85.4
131 20.7 8.4 12.6#



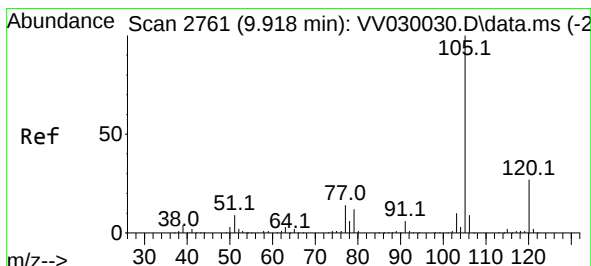
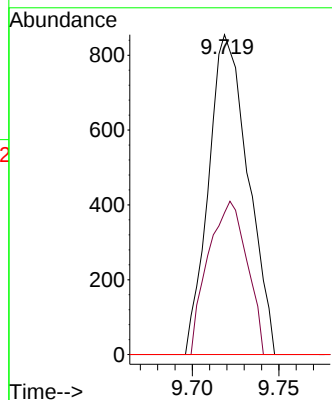
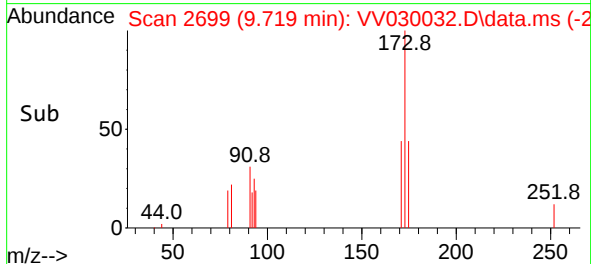


#59
Bromoform
Concen: 0.194 ug/L
RT: 9.719 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

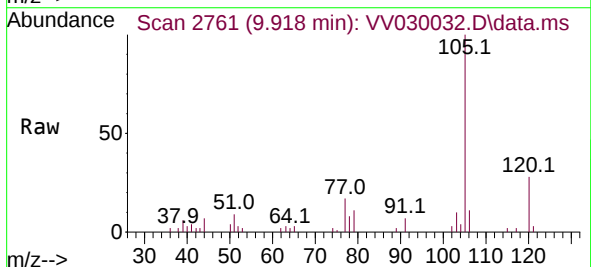
Instrument :
MSVOA_V
ClientSampleId :



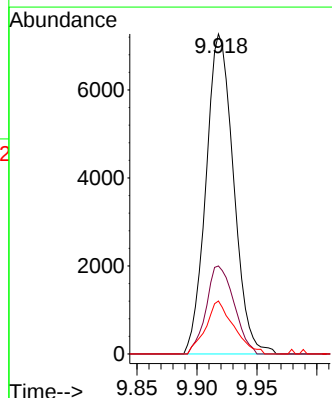
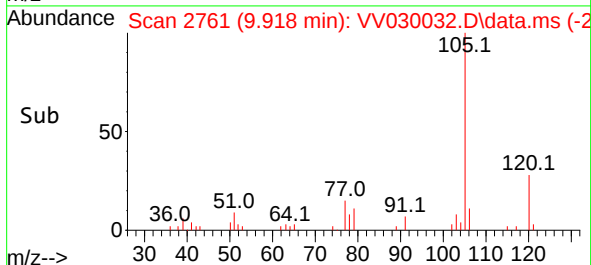
Tgt Ion:173 Resp: 1356
Ion Ratio Lower Upper
173 100
175 47.2 38.6 57.8
254 0.0 7.9 11.9#

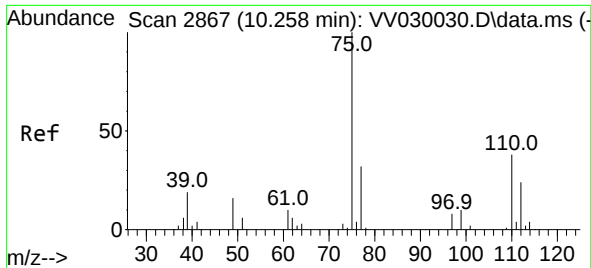


#60
Isopropylbenzene
Concen: 0.168 ug/L
RT: 9.918 min Scan# 2761
Delta R.T. 0.000 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57



Tgt Ion:105 Resp: 11607
Ion Ratio Lower Upper
105 100
120 27.8 21.2 31.8
77 16.8 11.8 17.8

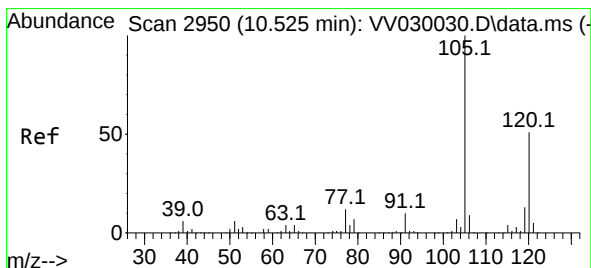
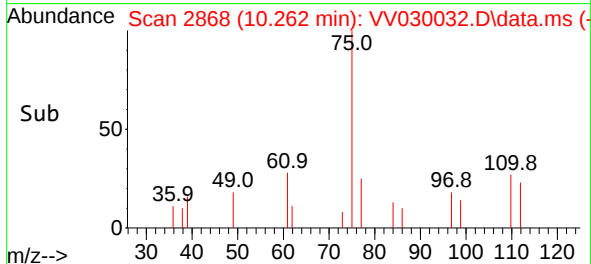
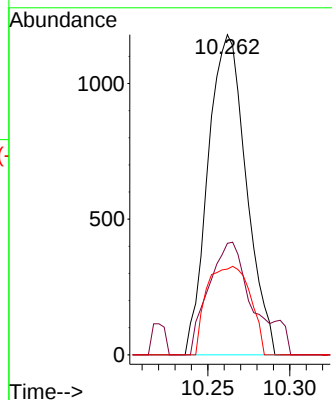
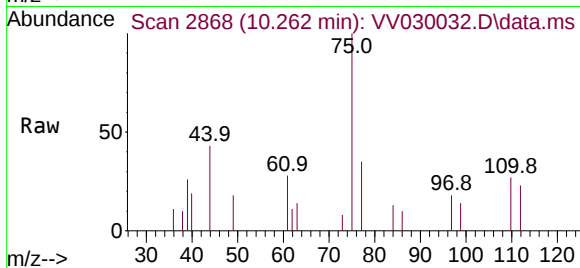




#61
 1,2,3-Trichloropropane
 Concen: 0.239 ug/L
 RT: 10.262 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV030032.D
 Acq: 03 Feb 2023 10:57

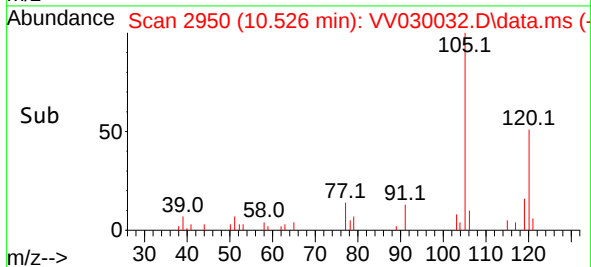
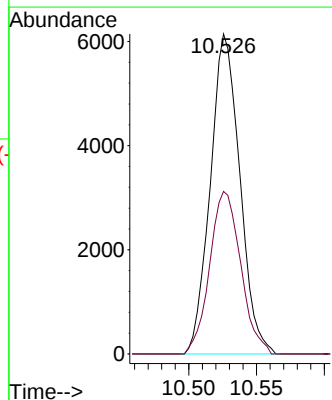
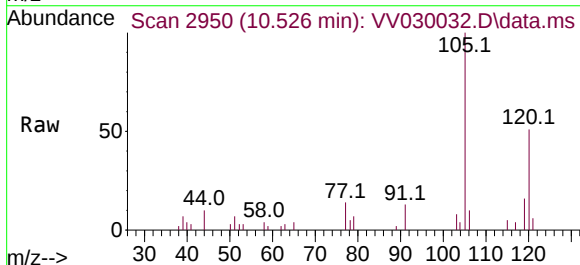
Instrument :
 MSVOA_V
 ClientSampleId :

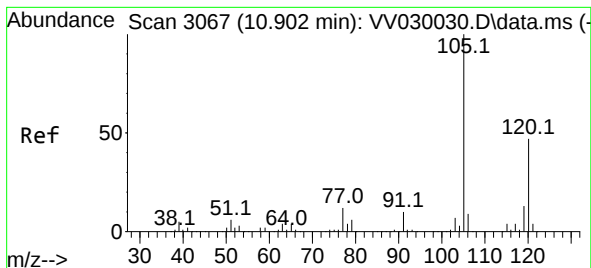
Tgt Ion: 75 Resp: 1907
 Ion Ratio Lower Upper
 75 100
 77 41.4 26.5 39.7#
 110 31.3 31.8 47.8#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.157 ug/L
 RT: 10.526 min Scan# 2950
 Delta R.T. 0.000 min
 Lab File: VV030032.D
 Acq: 03 Feb 2023 10:57

Tgt Ion: 105 Resp: 9291
 Ion Ratio Lower Upper
 105 100
 120 53.4 40.1 60.1





#63

1,2,4-Trimethylbenzene

Concen: 0.169 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. 0.000 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

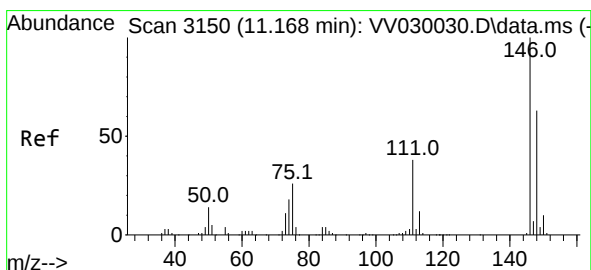
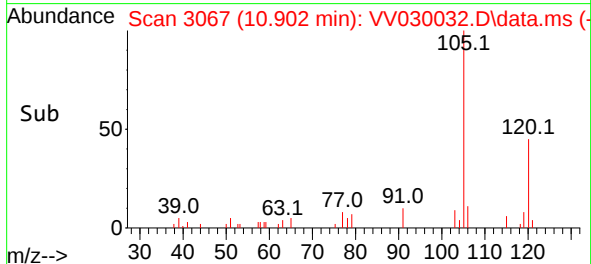
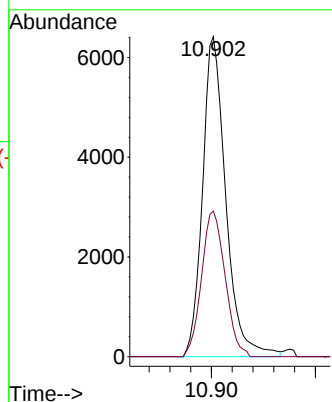
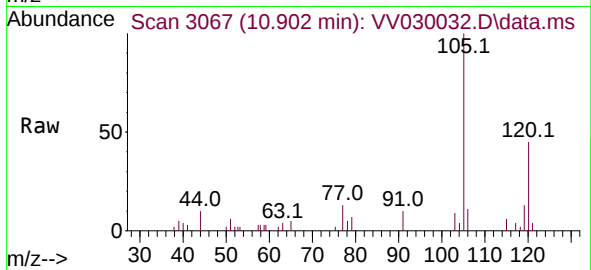
ClientSampleId :

Tgt Ion:105 Resp: 9972

Ion Ratio Lower Upper

105 100

120 46.0 37.4 56.0



#64

1,3-Dichlorobenzene

Concen: 0.194 ug/L

RT: 11.172 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

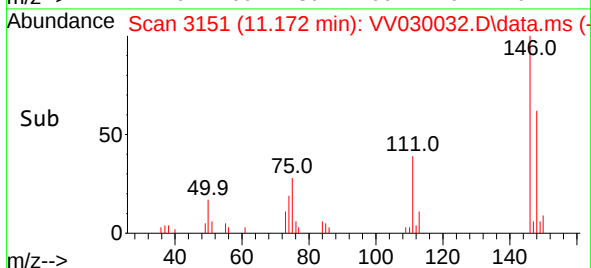
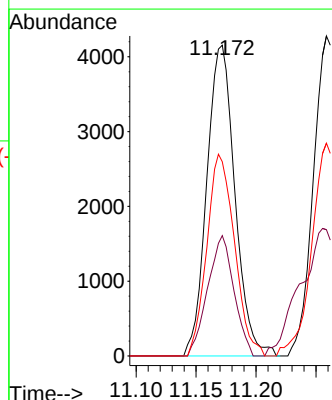
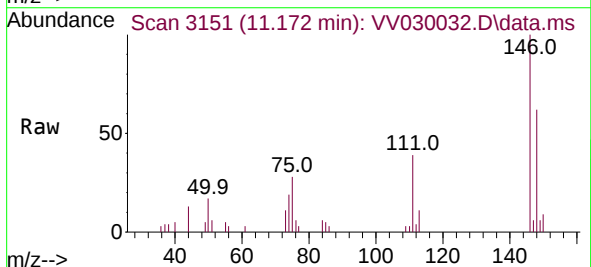
Tgt Ion:146 Resp: 6773

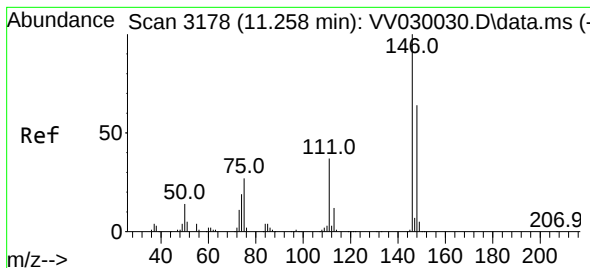
Ion Ratio Lower Upper

146 100

111 38.7 27.2 50.6

148 62.5 44.9 83.5





#65

1,4-Dichlorobenzene

Concen: 0.201 ug/L

RT: 11.259 min Scan# 3178

Delta R.T. 0.000 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

Instrument :

MSVOA_V

ClientSampleId :

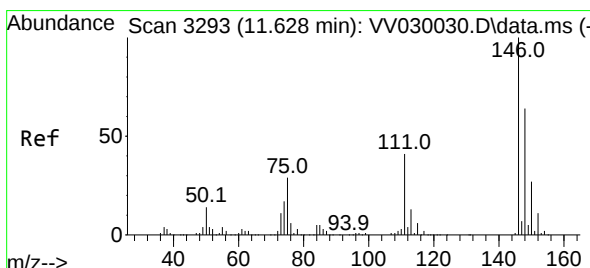
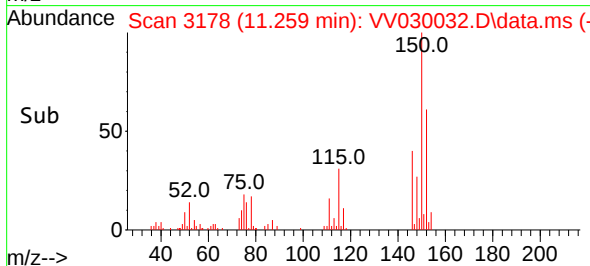
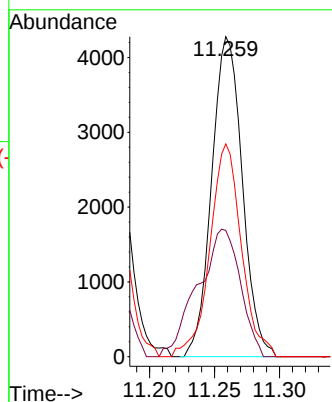
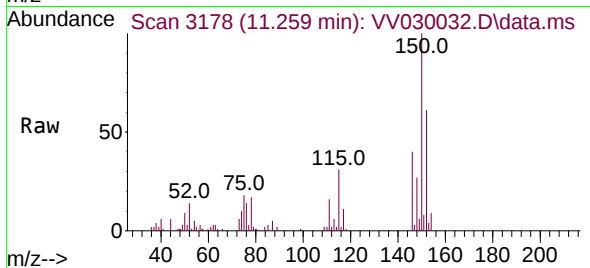
Tgt Ion:146 Resp: 7000

Ion Ratio Lower Upper

146 100

111 39.5 26.5 49.1

148 66.5 45.8 85.2



#67

1,2-Dichlorobenzene

Concen: 0.219 ug/L

RT: 11.632 min Scan# 3294

Delta R.T. 0.003 min

Lab File: VV030032.D

Acq: 03 Feb 2023 10:57

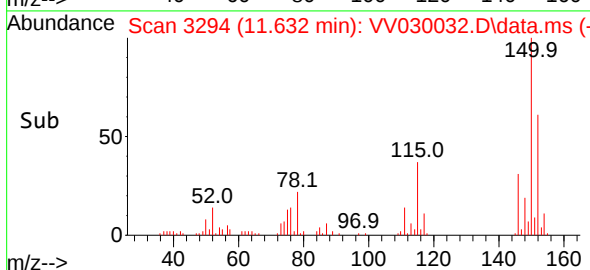
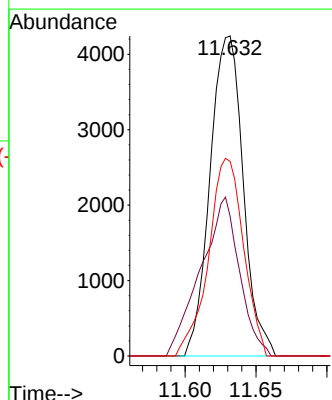
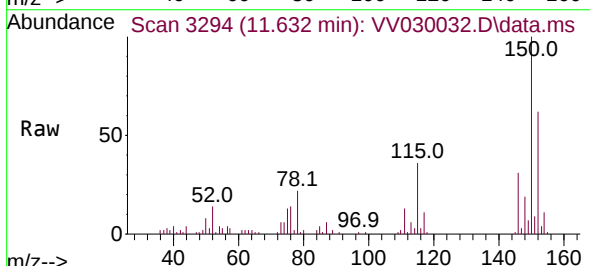
Tgt Ion:146 Resp: 6904

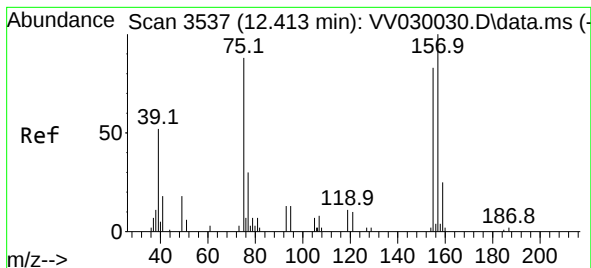
Ion Ratio Lower Upper

146 100

111 43.6 31.8 47.8

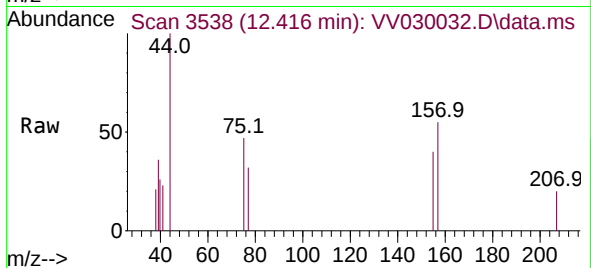
148 60.8 51.4 77.0



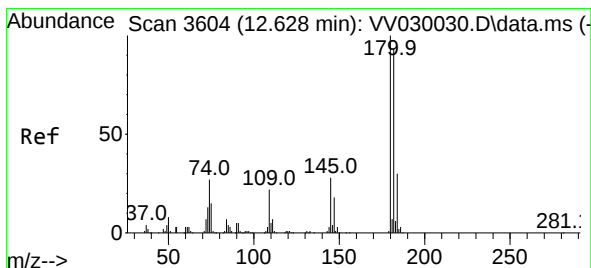
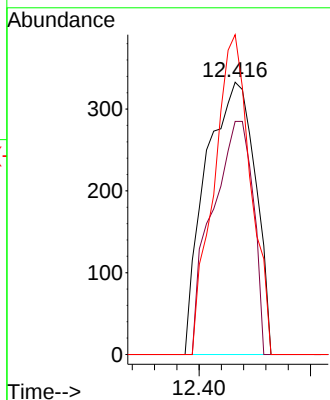
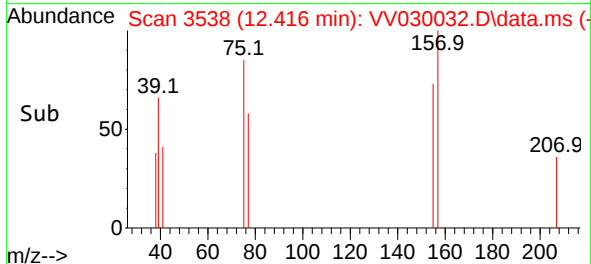


#68
1,2-Dibromo-3-chloropropane
Concen: 0.272 ug/L
RT: 12.416 min Scan# 3537
Delta R.T. 0.003 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

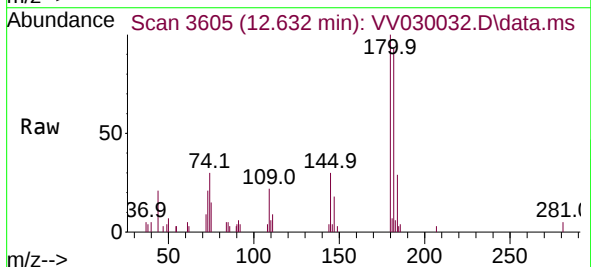
Instrument :
MSVOA_V
ClientSampleId :



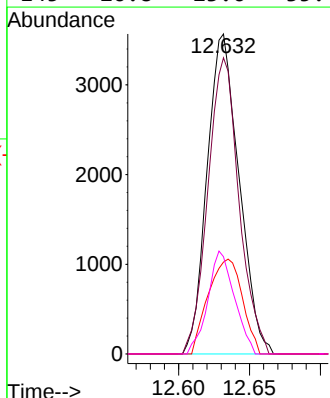
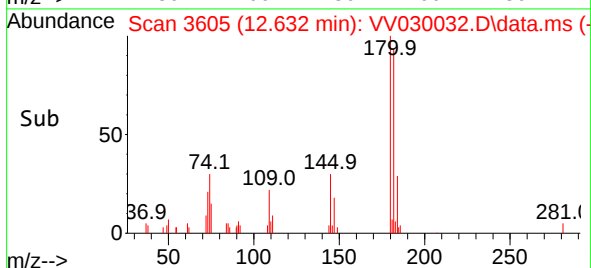
Tgt Ion: 75 Resp: 514
Ion Ratio Lower Upper
75 100
155 85.6 75.5 113.3
157 117.4 99.2 148.8

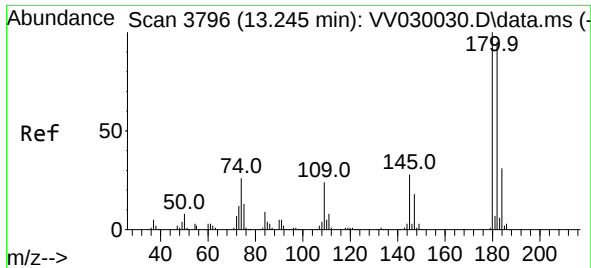


#69
1,3,5-Trichlorobenzene
Concen: 0.199 ug/L
RT: 12.632 min Scan# 3605
Delta R.T. 0.003 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57



Tgt Ion: 180 Resp: 5593
Ion Ratio Lower Upper
180 100
182 90.0 75.4 113.2
184 31.7 23.9 35.9
145 26.8 23.6 35.4

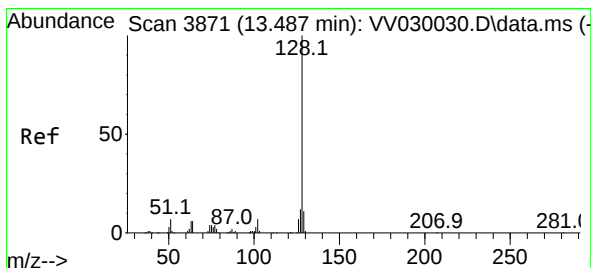
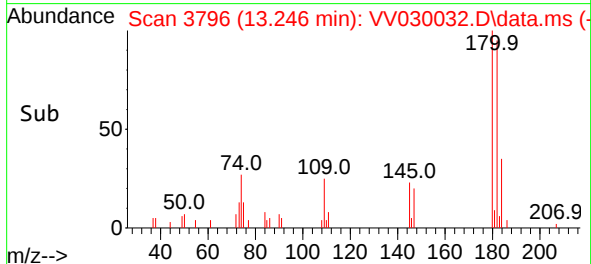
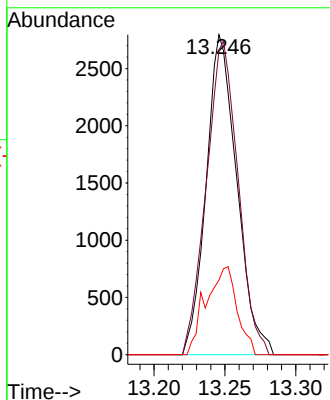
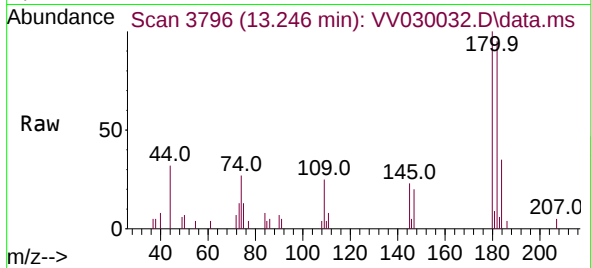




#70
1,2,4-trichlorobenzene
Concen: 0.191 ug/L
RT: 13.246 min Scan# 3796
Delta R.T. 0.000 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

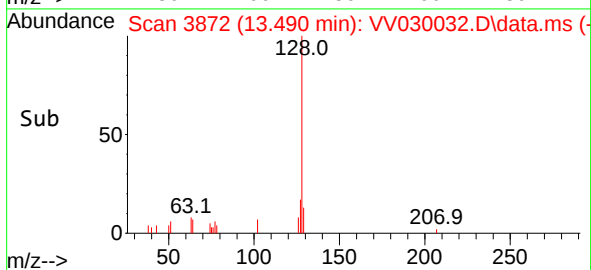
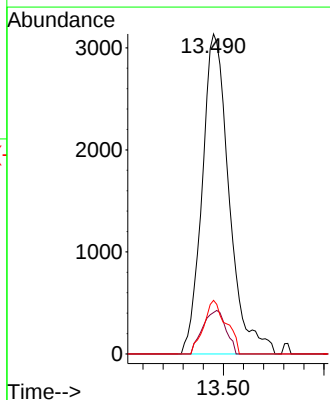
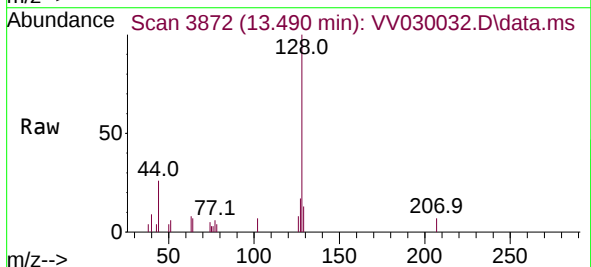
Instrument :
MSVOA_V
ClientSampleId :

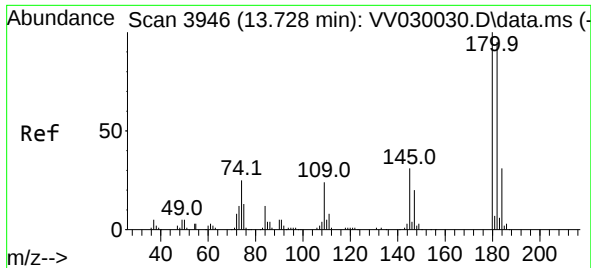
Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.3	75.8	113.8
145	27.8	23.7	35.5



#71
Naphthalene
Concen: 0.205 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. 0.003 min
Lab File: VV030032.D
Acq: 03 Feb 2023 10:57

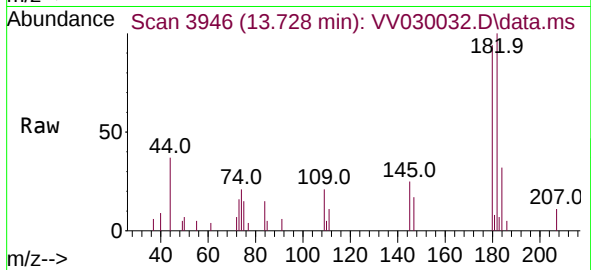
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.6	12.8
127	14.0	10.0	15.0





#72
 1,2,3-Trichlorobenzene
 Concen: 0.191 ug/L
 RT: 13.728 min Scan# 3946
 Delta R.T. 0.000 min
 Lab File: VV030032.D
 Acq: 03 Feb 2023 10:57

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	3482
Ion	Ratio	Lower	Upper
180	100		
182	100.7	75.5	113.3
145	29.1	25.0	37.6

