

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035535.D
 Acq On : 05 May 2023 14:52
 Operator : JC/MD
 Sample : 02615-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-2

Quant Time: May 08 00:51:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

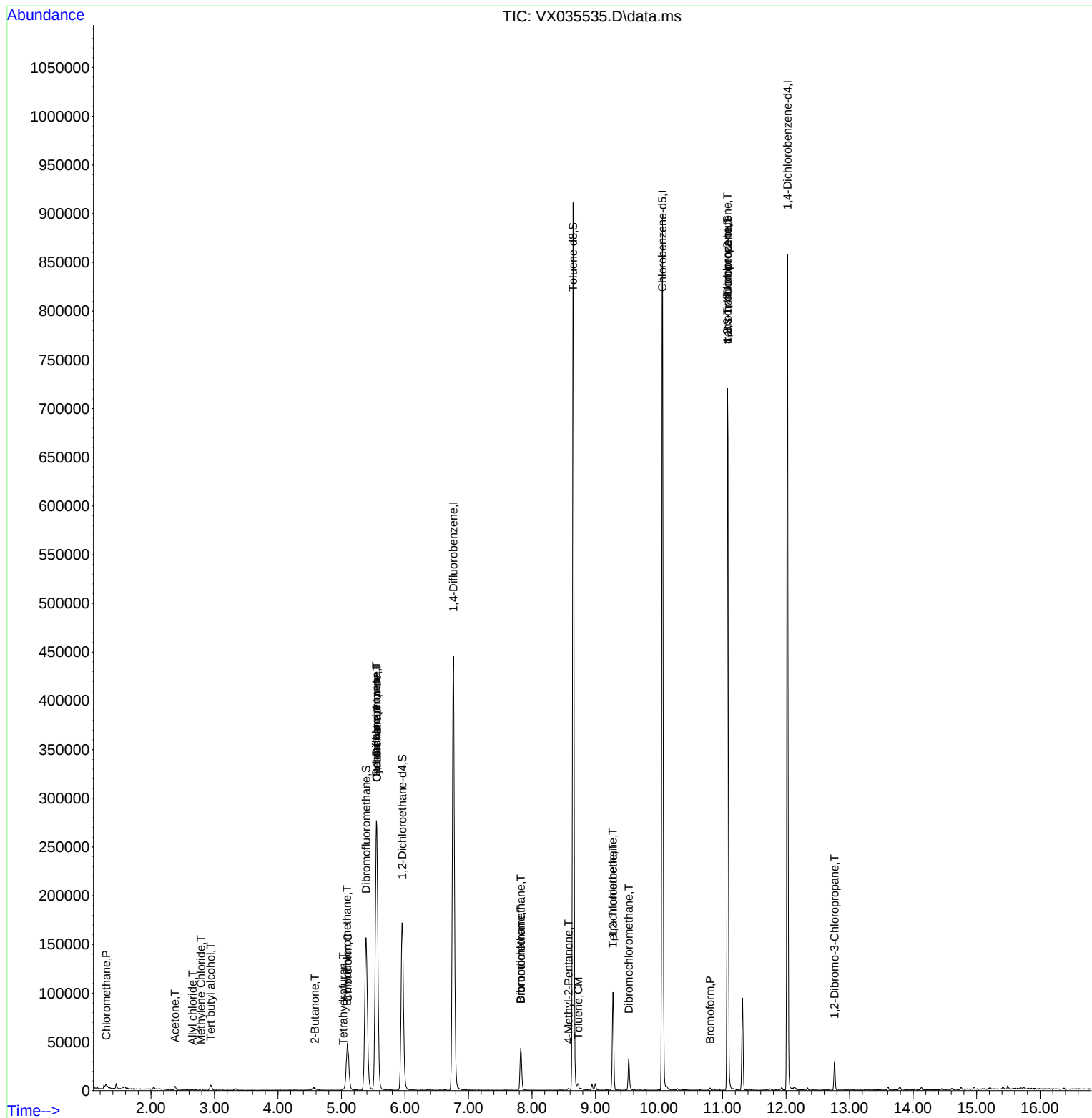
Internal Standards						
1) Pentafluorobenzene	5.550	168	268454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	458239	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	418608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	187450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166641	51.452	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.900%			
35) Dibromofluoromethane	5.385	113	141793	50.415	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.820%			
50) Toluene-d8	8.647	98	539044	50.806	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.620%			
62) 4-Bromofluorobenzene	11.079	95	199249	49.922	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.840%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	848	0.328	ug/l	98
11) Tert butyl alcohol	2.940	59	3819	6.476	ug/l #	73
14) Allyl chloride	2.654	41	994	0.217	ug/l #	34
16) Acetone	2.379	43	4321	3.072	ug/l	98
20) Methylene Chloride	2.788	84	656	0.203	ug/l	85
25) 2-Butanone	4.580	43	512	0.249	ug/l #	81
28) Bromochloromethane	5.086	49	4368	2.004	ug/l #	15
29) Tetrahydrofuran	5.025	42	405	0.308	ug/l #	76
30) Chloroform	5.098	83	57533	11.143	ug/l	96
31) Cyclohexane	5.556	56	5144	1.120	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20170	4.593	ug/l #	51
38) Carbon Tetrachloride	5.556	117	27672	6.638	ug/l #	16
46) Dibromomethane	7.824	93	1071	0.491	ug/l #	5
47) Bromodichloromethane	7.824	83	29007	7.218	ug/l #	99
51) 4-Methyl-2-Pentanone	8.573	43	2594	0.626	ug/l #	37
52) Toluene	8.726	92	2130	0.267	ug/l	94
55) 1,1,2-Trichloroethane	9.275	97	1264	0.397	ug/l #	19
60) Dibromochloromethane	9.525	129	11384	3.732	ug/l	100
64) Tetrachloroethene	9.275	164	1086	0.339	ug/l #	80
71) Bromoform	10.805	173	896	0.409	ug/l #	96
76) 1,2,3-Trichloropropane	11.079	75	97566	26.093	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	97566	84.509	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.762	75	746	0.875	ug/l #	18

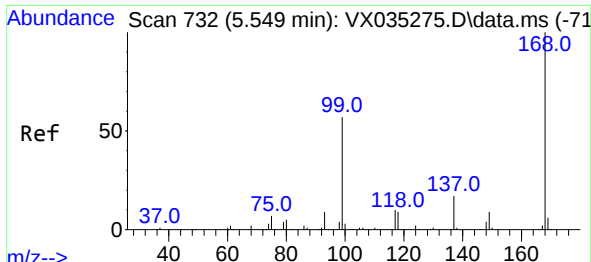
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX035535.D
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ClientSampleId :
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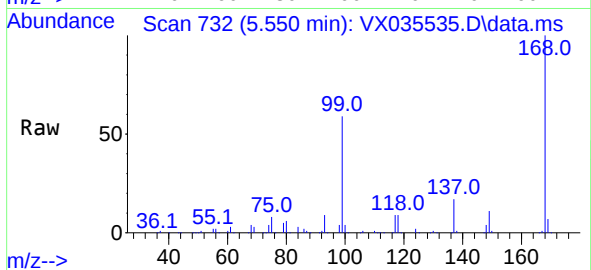
Quant Time: May 08 00:51:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



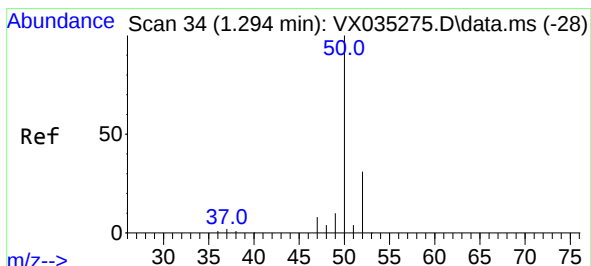
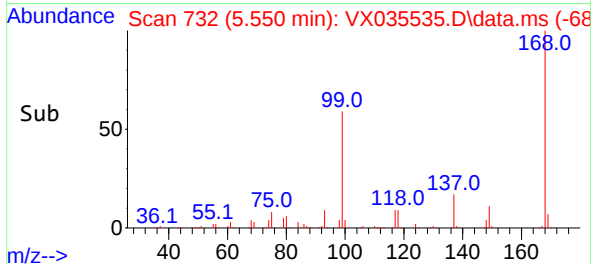
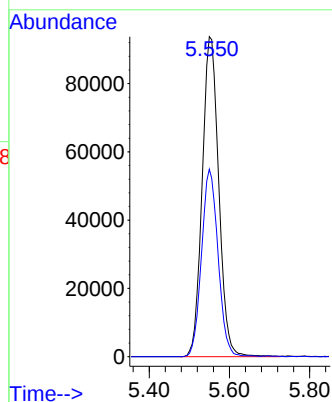


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.550 min Scan# 71
 Delta R.T. 0.001 min
 Lab File: VX035535.D
 Acq: 05 May 2023 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 002-2

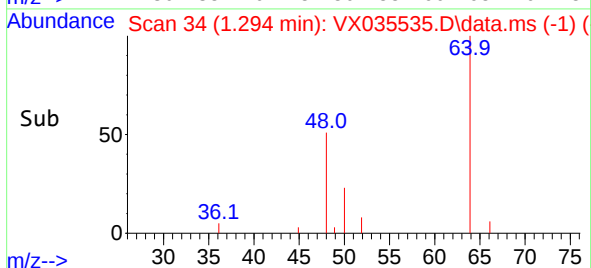
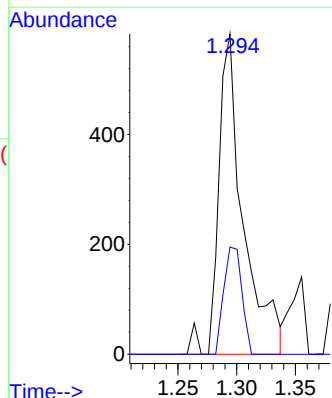
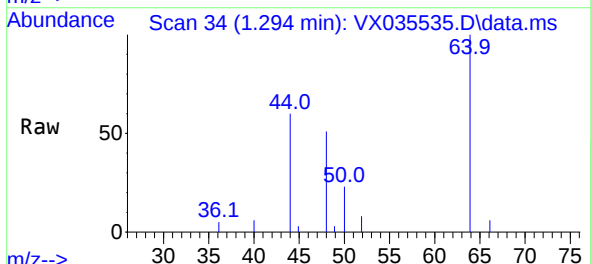


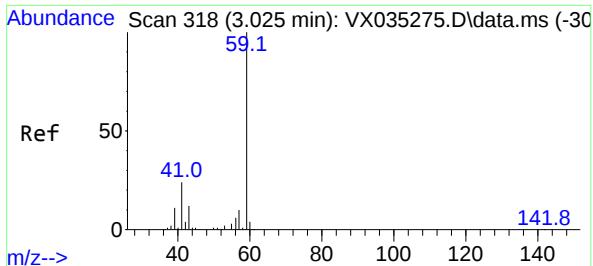
Tgt Ion:168 Resp: 268454
 Ion Ratio Lower Upper
 168 100
 99 58.6 45.7 68.5



#3
 Chloromethane
 Concen: 0.328 ug/l
 RT: 1.294 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX035535.D
 Acq: 05 May 2023 14:52

Tgt Ion: 50 Resp: 848
 Ion Ratio Lower Upper
 50 100
 52 33.4 25.9 38.9





#11

Tert butyl alcohol

Concen: 6.476 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.085 min

Lab File: VX035535.D

Acq: 05 May 2023 14:52

Instrument :

MSVOA_X

ClientSampleId :

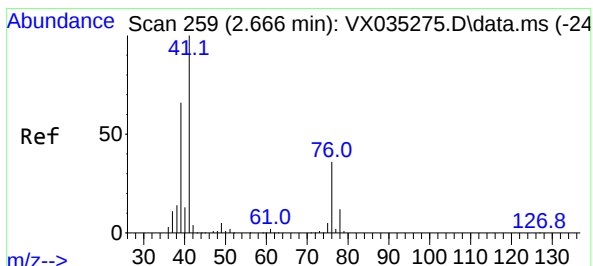
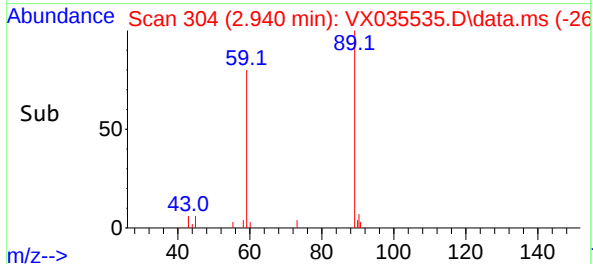
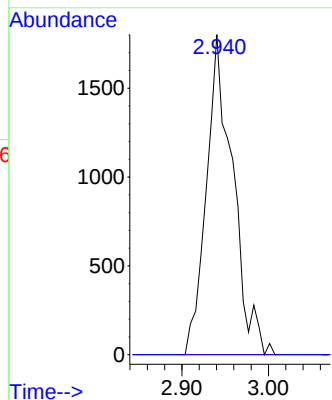
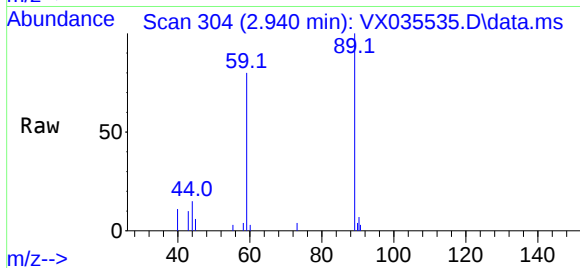
002-2

Tgt Ion: 59 Resp: 3819

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#14

Allyl chloride

Concen: 0.217 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.012 min

Lab File: VX035535.D

Acq: 05 May 2023 14:52

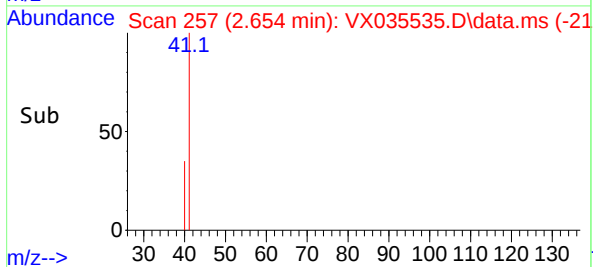
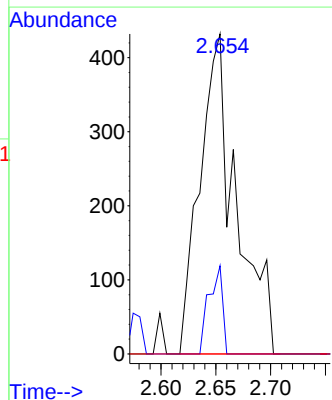
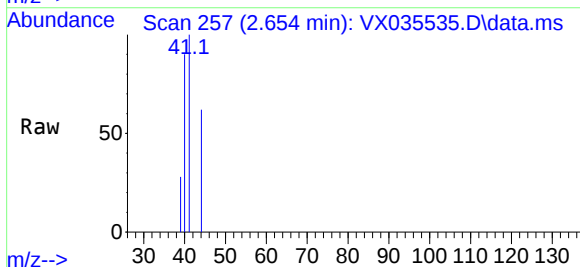
Tgt Ion: 41 Resp: 994

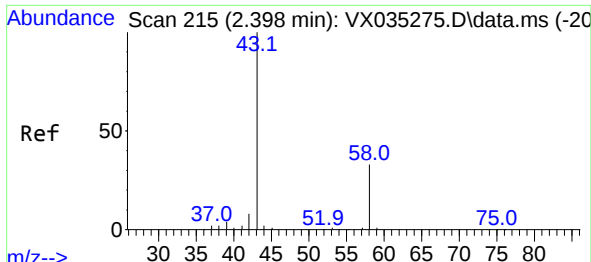
Ion Ratio Lower Upper

41 100

39 10.3 52.4 78.6#

76 0.0 26.0 39.0#

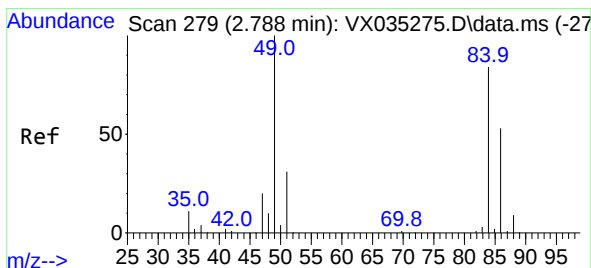
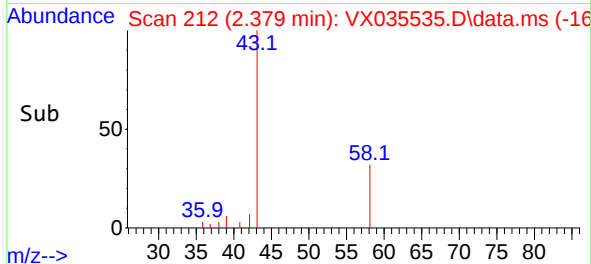
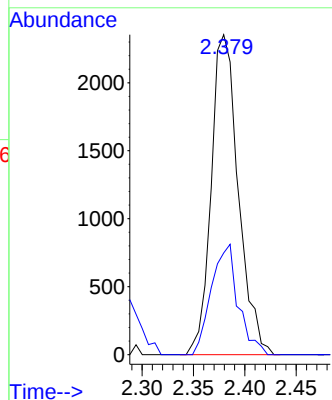
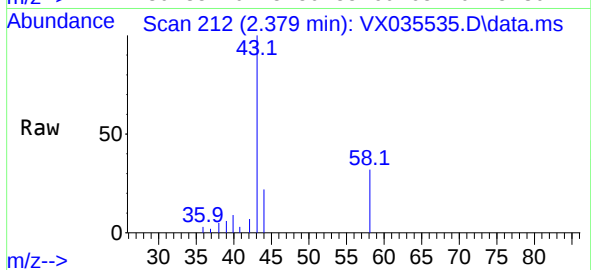




#16
Acetone
Concen: 3.072 ug/l
RT: 2.379 min Scan# 215
Delta R.T. -0.019 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

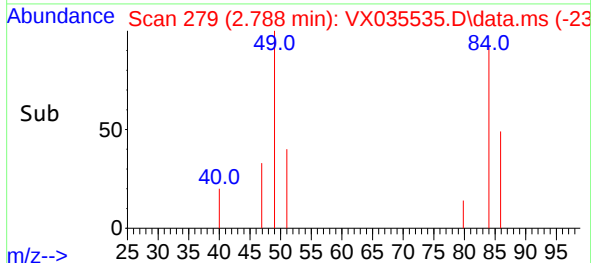
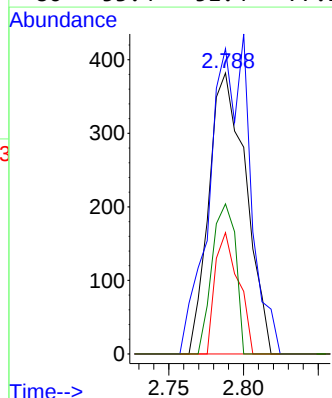
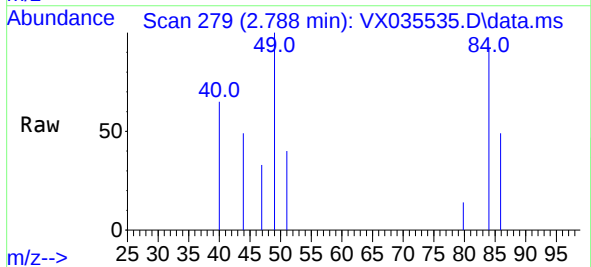
Instrument :
MSVOA_X
ClientSampleId :
002-2

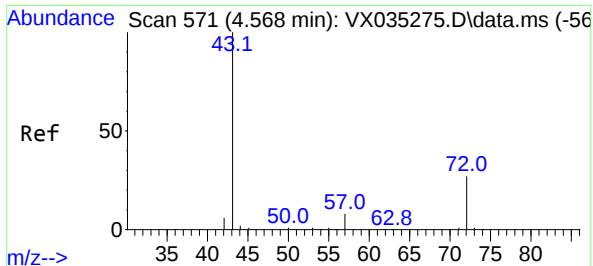
Tgt Ion: 43 Resp: 4321
Ion Ratio Lower Upper
43 100
58 31.8 24.7 37.1



#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

Tgt Ion: 84 Resp: 656
Ion Ratio Lower Upper
84 100
49 108.6 103.8 155.8
51 43.2 31.8 47.8
86 53.4 51.4 77.2

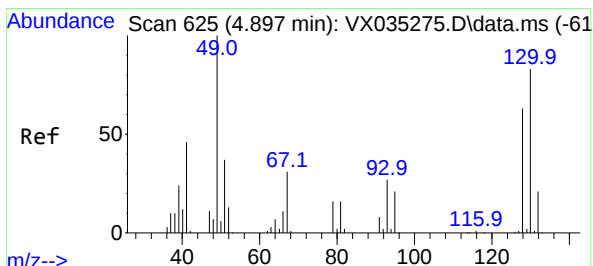
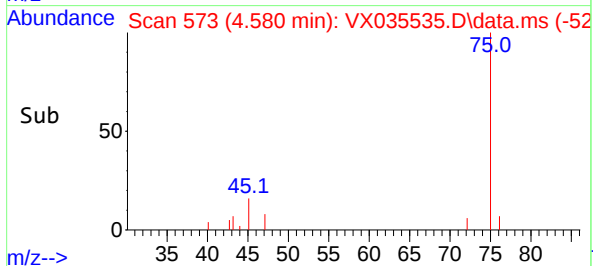
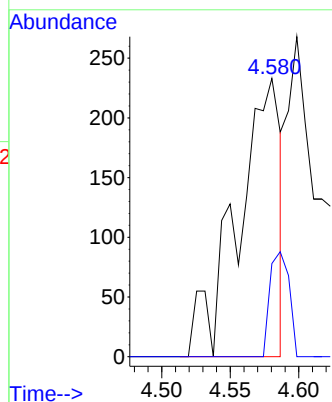
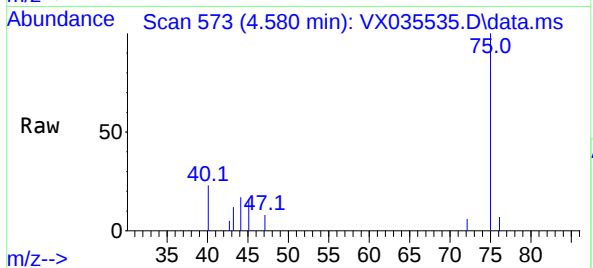




#25
2-Butanone
Concen: 0.249 ug/l
RT: 4.580 min Scan# 512
Delta R.T. 0.012 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

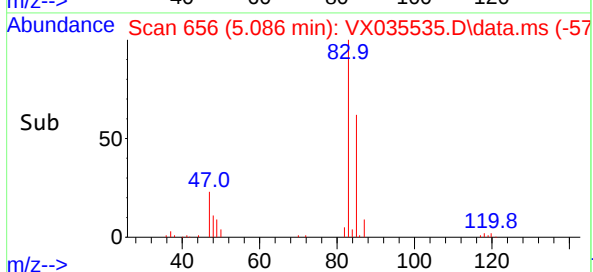
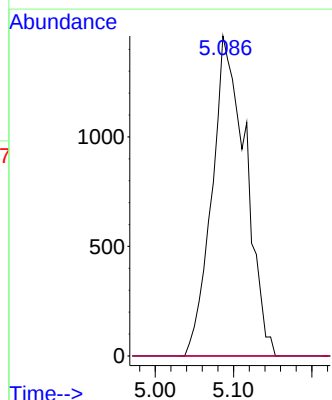
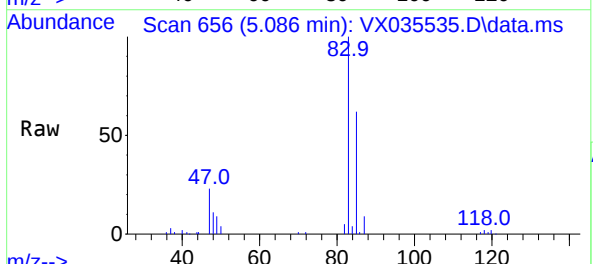
Instrument :
MSVOA_X
ClientSampleId :
002-2

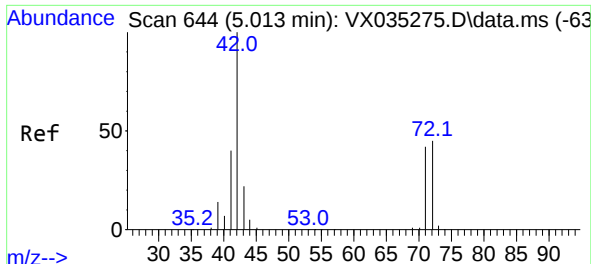
Tgt Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
72 33.5 19.3 28.9#



#28
Bromochloromethane
Concen: 2.004 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.189 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

Tgt Ion: 49 Resp: 4368
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#





#29

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX035535.D

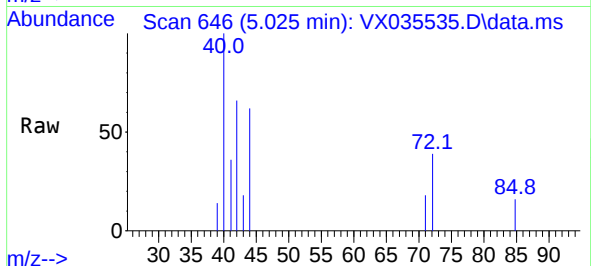
Acq: 05 May 2023 14:52

Instrument :

MSVOA_X

ClientSampleId :

002-2



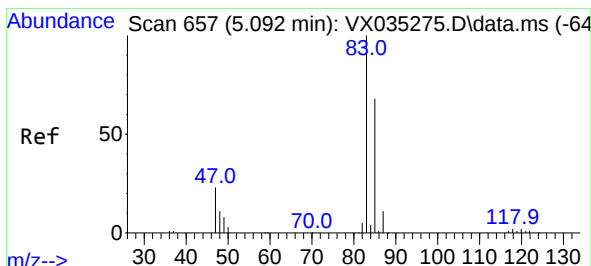
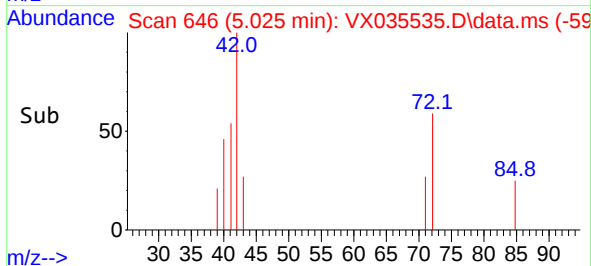
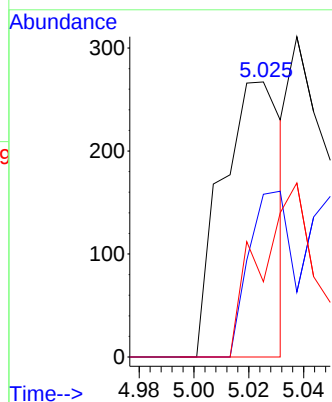
Tgt Ion: 42 Resp: 405

Ion Ratio Lower Upper

42 100

72 43.0 34.5 51.7

71 71.4 32.1 48.1#



#30

Chloroform

Concen: 11.143 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX035535.D

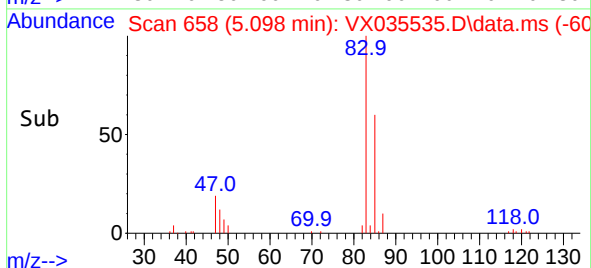
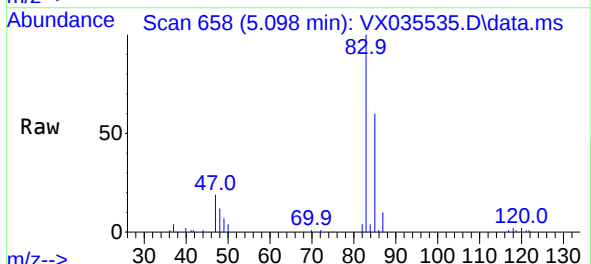
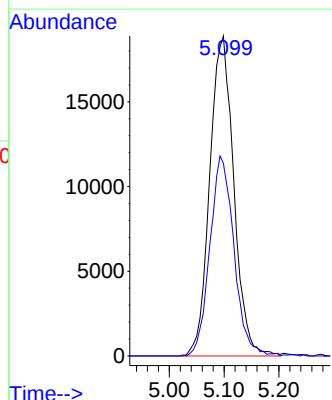
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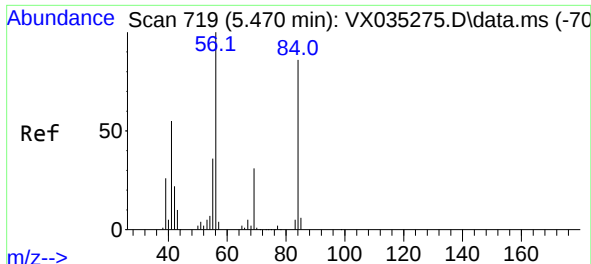
Tgt Ion: 83 Resp: 57533

Ion Ratio Lower Upper

83 100

85 60.2 50.6 76.0

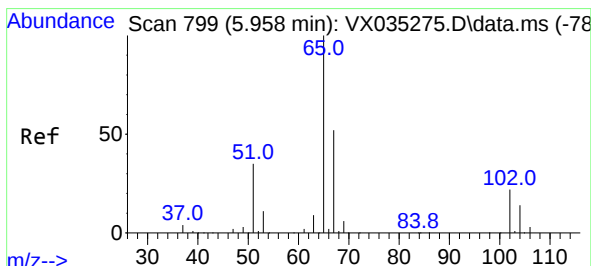
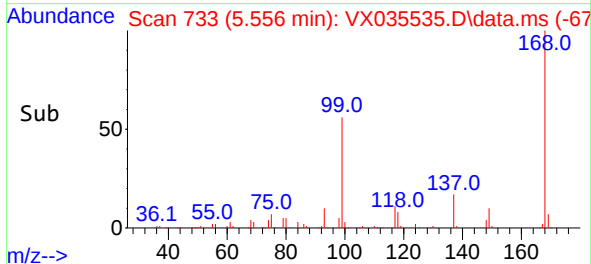
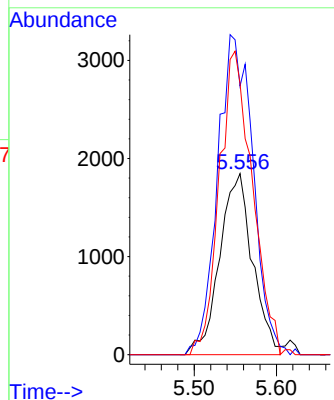
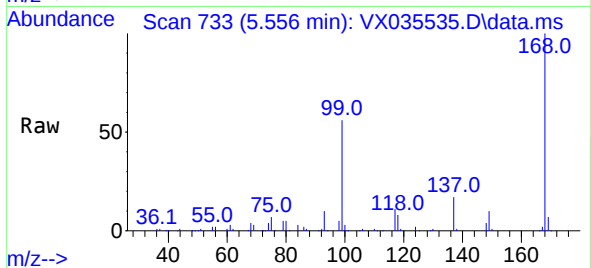




#31
Cyclohexane
Concen: 1.120 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

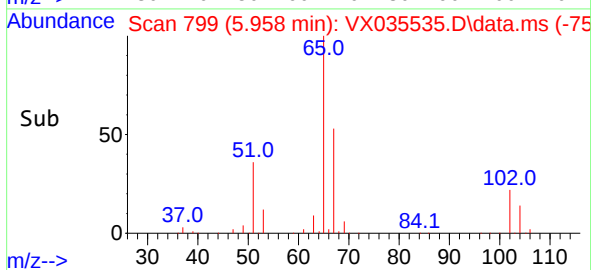
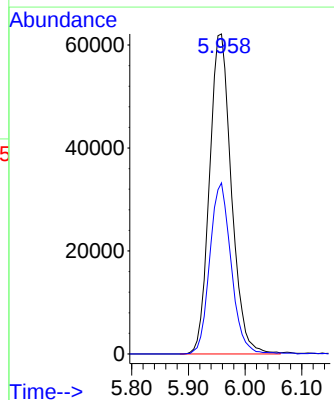
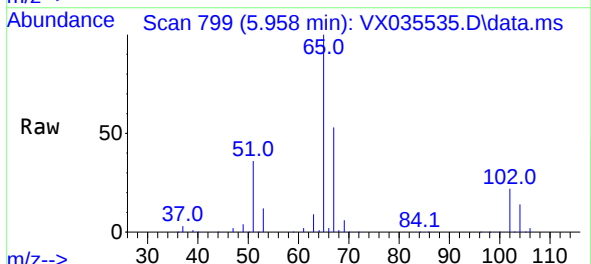
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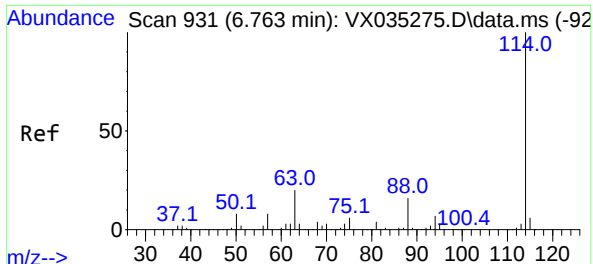
Tgt Ion: 56 Resp: 5144
Ion Ratio Lower Upper
56 100
69 148.4 23.7 35.5#
84 149.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 51.452 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

Tgt Ion: 65 Resp: 166641
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.0

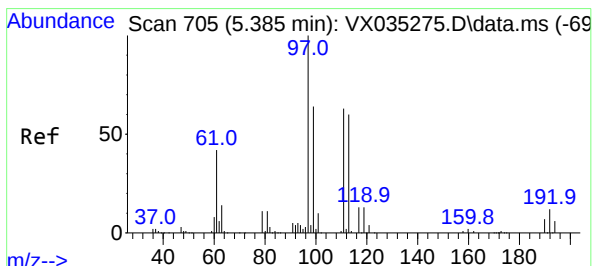
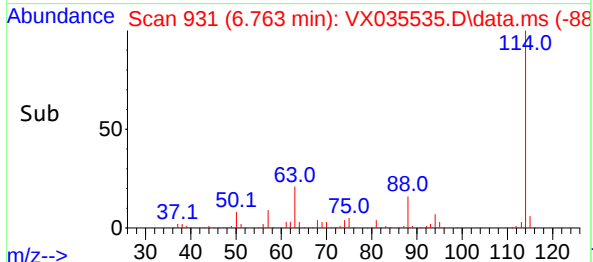
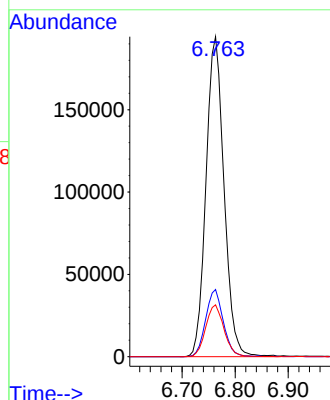
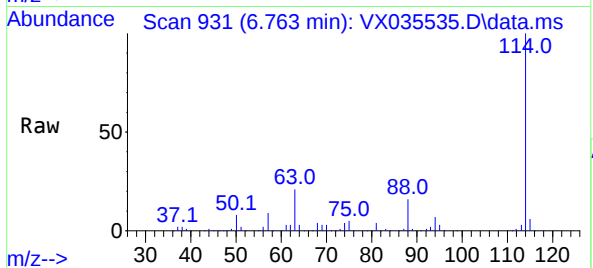




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

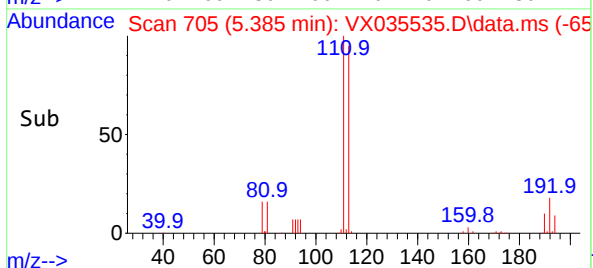
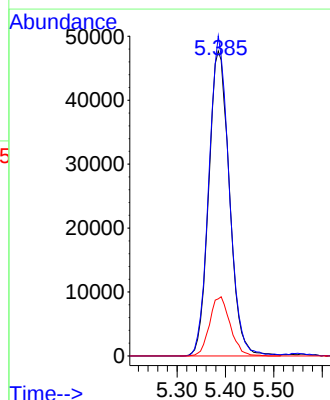
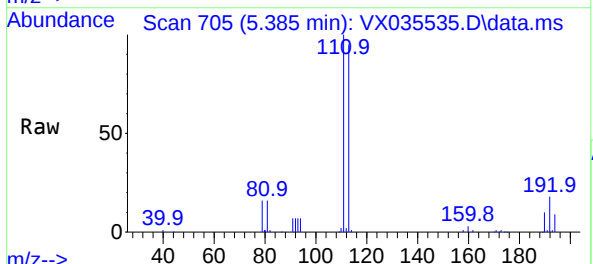
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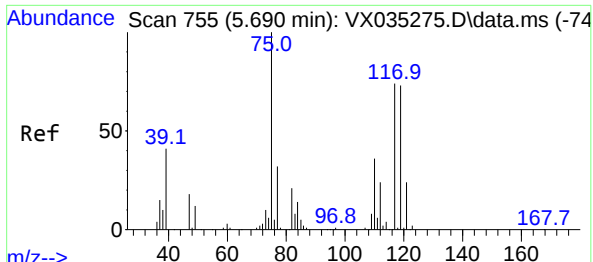
Tgt Ion:114 Resp: 458239
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.2
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.415 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

Tgt Ion:113 Resp: 141793
Ion Ratio Lower Upper
113 100
111 102.6 83.7 125.5
192 19.3 15.4 23.2

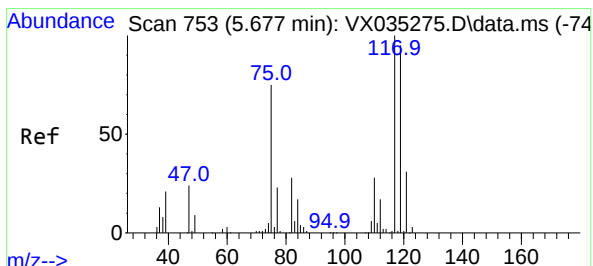
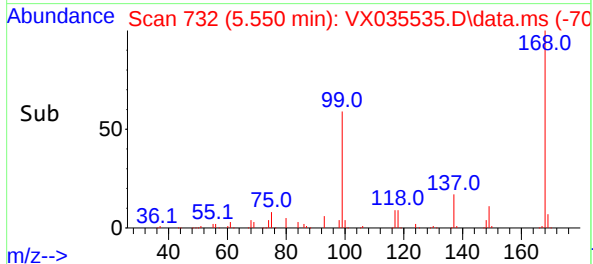
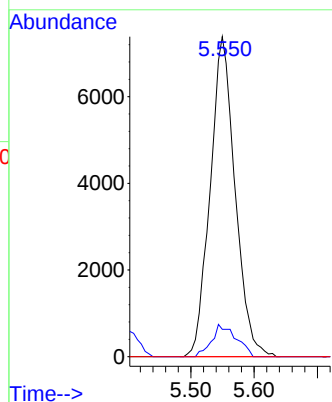
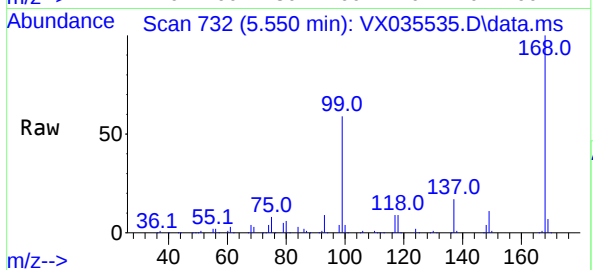




#36
1,1-Dichloropropene
Concen: 4.593 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

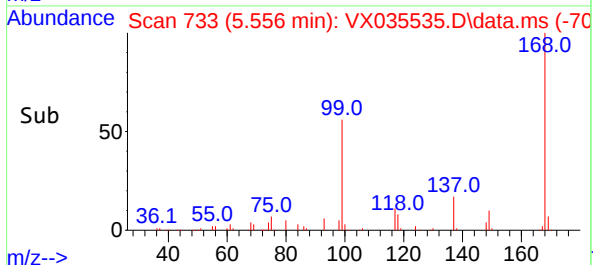
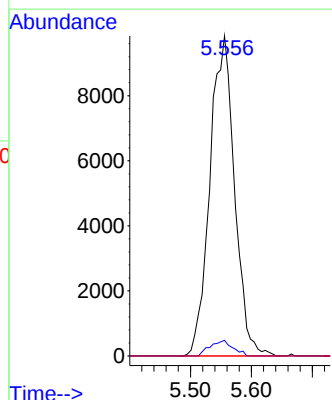
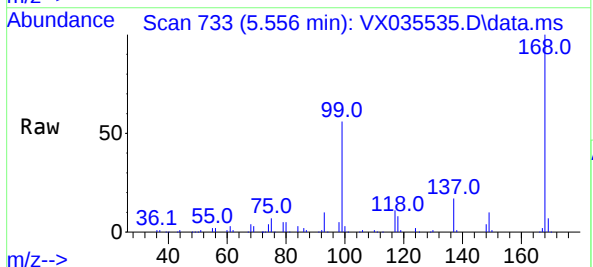
Instrument :
MSVOA_X
ClientSampleId :
002-2

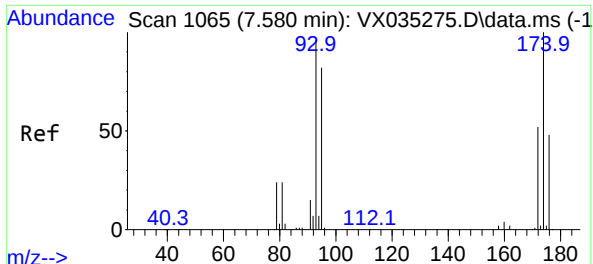
Tgt Ion: 75 Resp: 20170
Ion Ratio Lower Upper
75 100
110 9.9 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.638 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

Tgt Ion: 117 Resp: 27672
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 23.8 35.6#

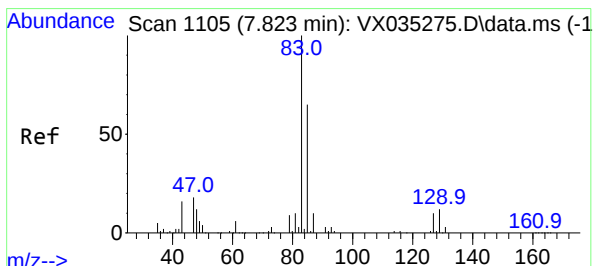
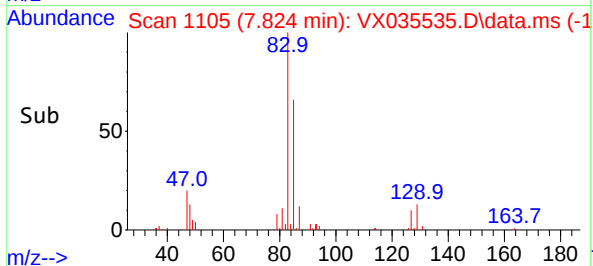
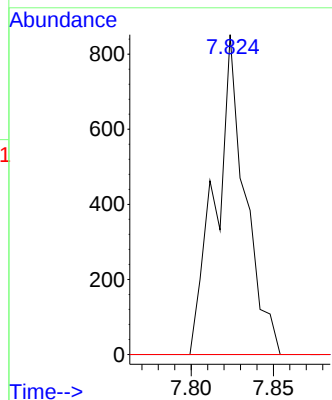
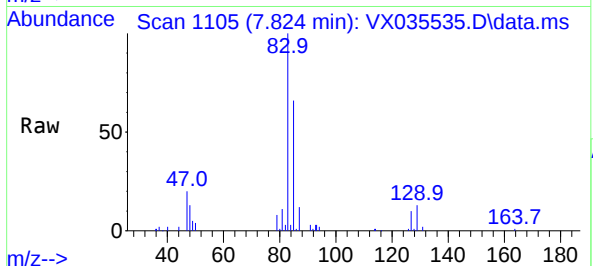




#46
Dibromomethane
Concen: 0.491 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.244 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

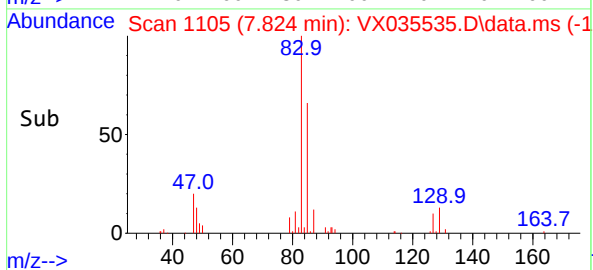
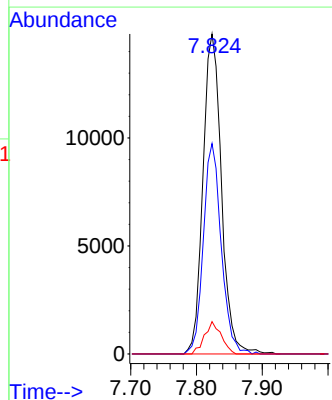
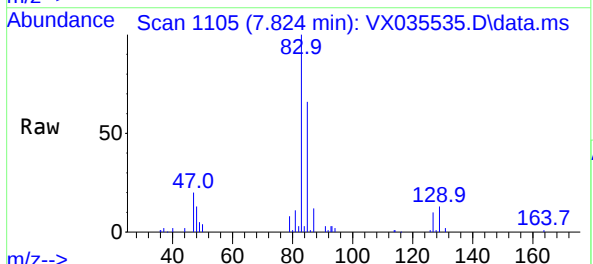
Instrument :
MSVOA_X
ClientSampleId :
002-2

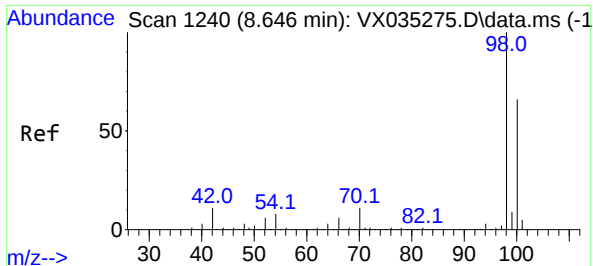
Tgt Ion: 93 Resp: 1071
Ion Ratio Lower Upper
93 100
95 0.0 66.9 100.3#
174 0.0 75.4 113.0#



#47
Bromodichloromethane
Concen: 7.218 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.001 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

Tgt Ion: 83 Resp: 29007
Ion Ratio Lower Upper
83 100
85 65.7 52.2 78.4
127 10.1 6.6 9.8#





#50

Toluene-d8

Concen: 50.806 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX035535.D

Acq: 05 May 2023 14:52

Instrument :

MSVOA_X

ClientSampleId :

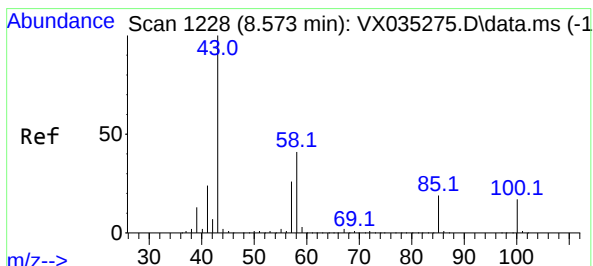
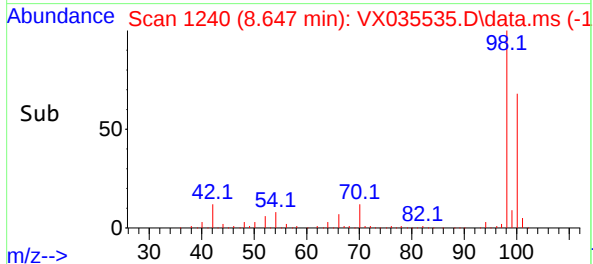
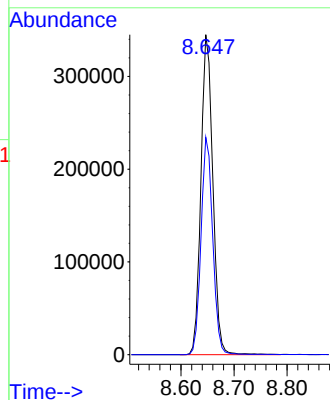
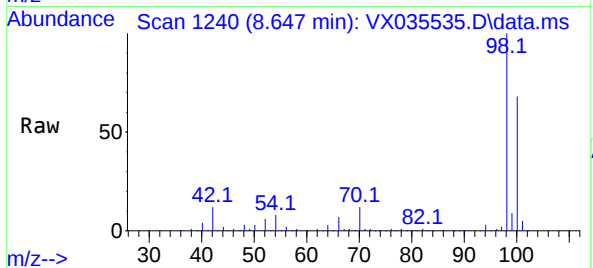
002-2

Tgt Ion: 98 Resp: 539044

Ion Ratio Lower Upper

98 100

100 66.7 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.626 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX035535.D

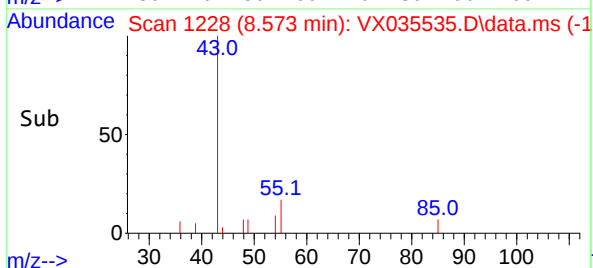
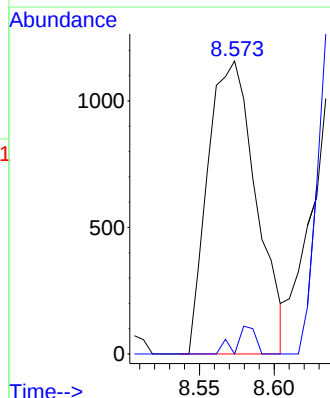
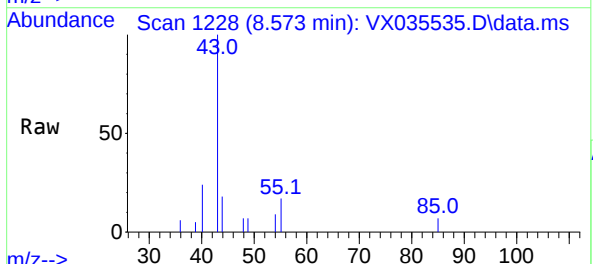
Acq: 05 May 2023 14:52

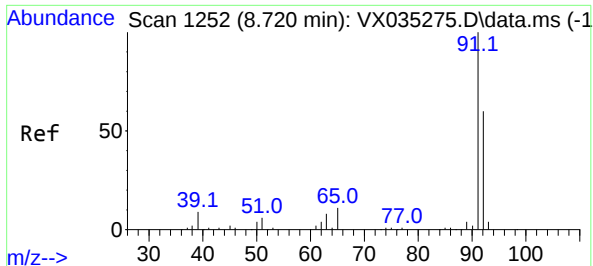
Tgt Ion: 43 Resp: 2594

Ion Ratio Lower Upper

43 100

58 0.0 30.6 46.0#

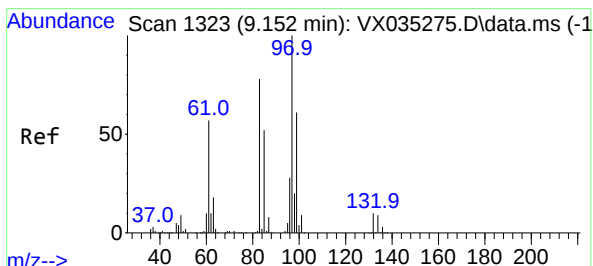
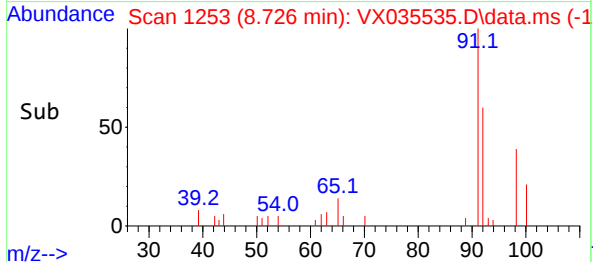
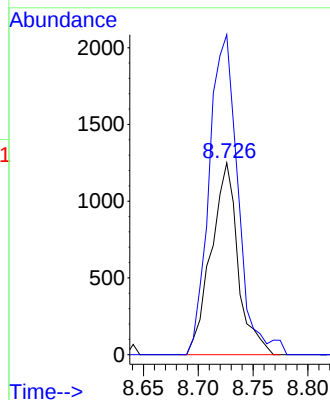
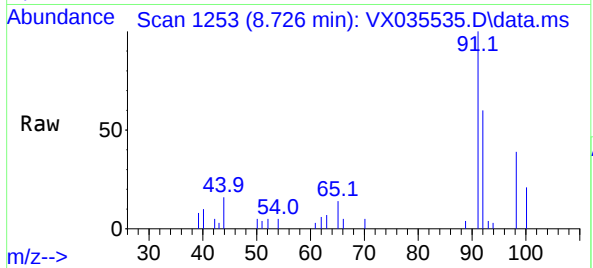




#52
Toluene
Concen: 0.267 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

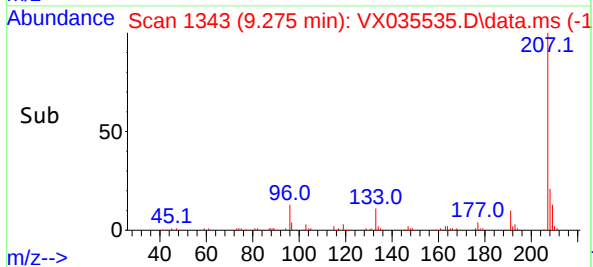
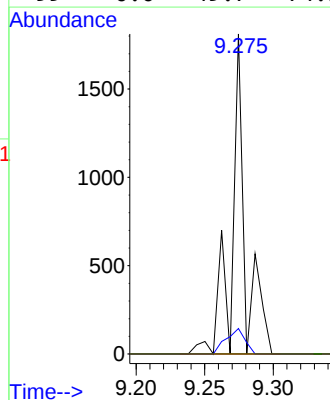
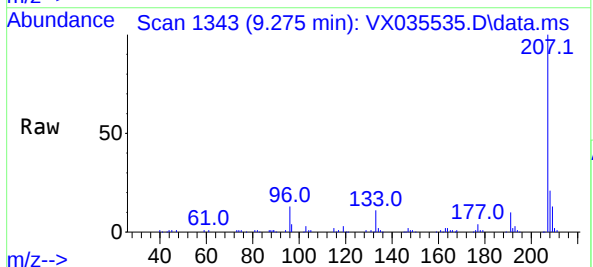
Instrument :
MSVOA_X
ClientSampleId :
002-2

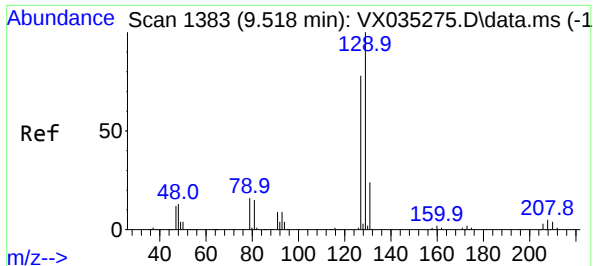
Tgt Ion: 92 Resp: 2130
Ion Ratio Lower Upper
92 100
91 178.9 136.8 205.2



#55
1,1,2-Trichloroethane
Concen: 0.397 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.123 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

Tgt Ion: 97 Resp: 1264
Ion Ratio Lower Upper
97 100
83 7.9 69.7 104.5#
85 0.0 43.7 65.5#
99 0.0 49.7 74.5#

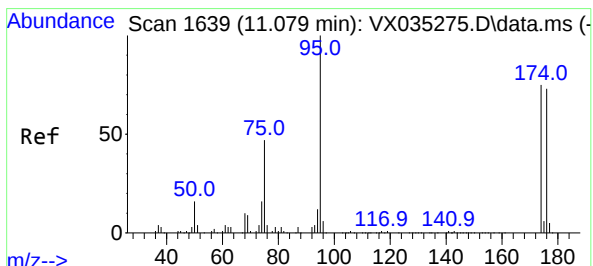
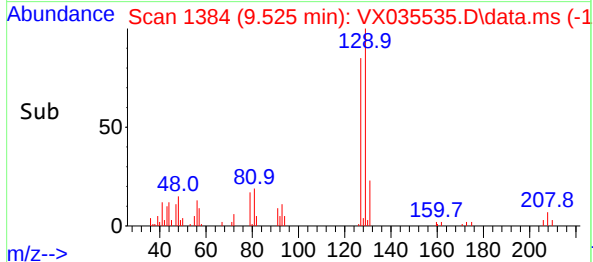
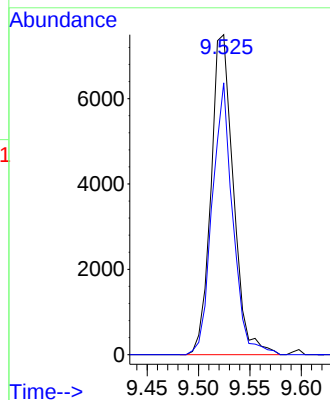
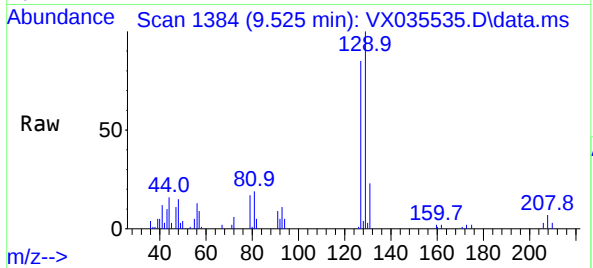




#60
Dibromochloromethane
Concen: 3.732 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

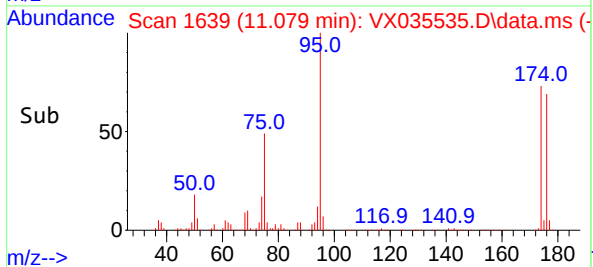
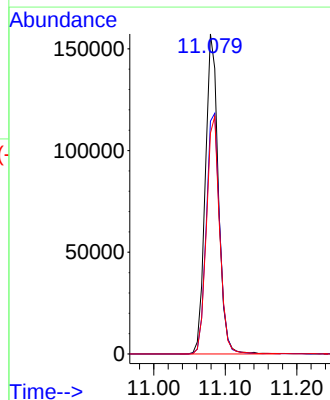
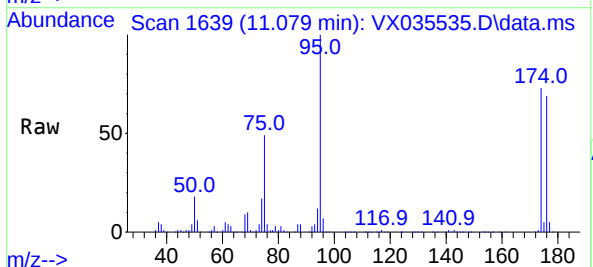
Instrument :
MSVOA_X
ClientSampleId :
002-2

Tgt Ion:129 Resp: 11384
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0

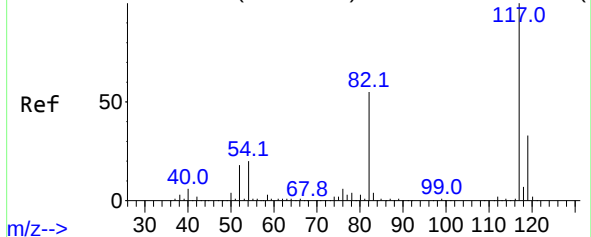


#62
4-Bromofluorobenzene
Concen: 49.922 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

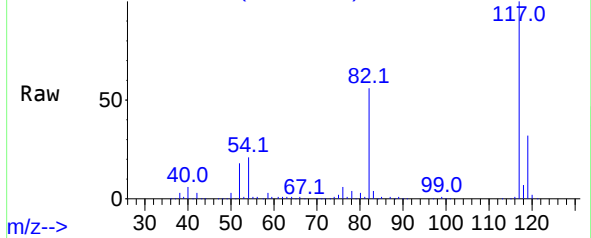
Tgt Ion: 95 Resp: 199249
Ion Ratio Lower Upper
95 100
174 77.5 0.0 147.4
176 75.1 0.0 140.6



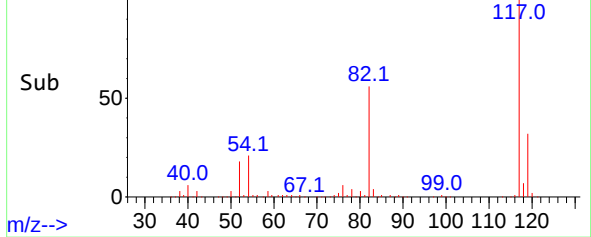
Abundance Scan 1471 (10.055 min): VX035275.D\data.ms (-1



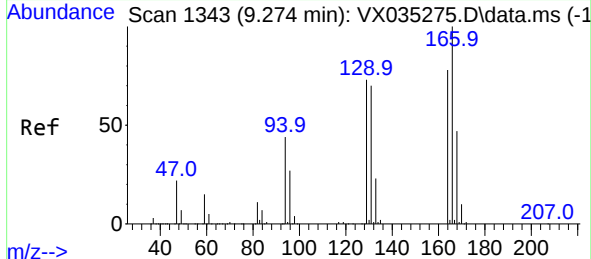
m/z--> Abundance Scan 1471 (10.055 min): VX035535.D\data.ms (-1



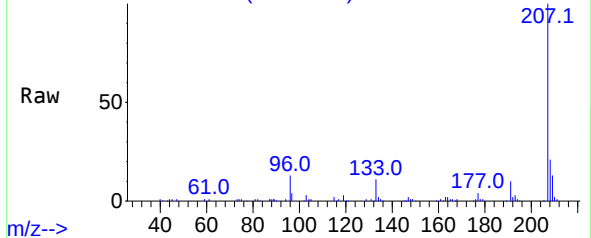
m/z--> Abundance Scan 1471 (10.055 min): VX035535.D\data.ms (-1



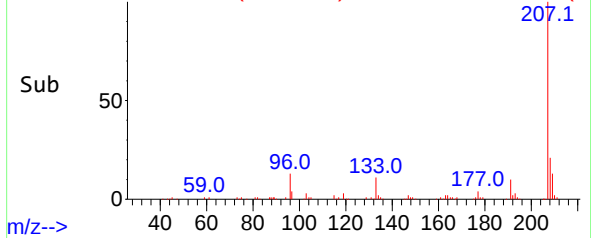
m/z--> Abundance Scan 1343 (9.274 min): VX035275.D\data.ms (-1



m/z--> Abundance Scan 1343 (9.275 min): VX035535.D\data.ms (-1



m/z--> Abundance Scan 1343 (9.275 min): VX035535.D\data.ms (-1



m/z--> Abundance Scan 1343 (9.275 min): VX035535.D\data.ms (-1



m/z--> Abundance Scan 1343 (9.275 min): VX035535.D\data.ms (-1

m/z--> Abundance Scan 1343 (9.275 min): VX035535.D\data.ms (-1

m/z--> Abundance Scan 1343 (9.275 min): VX035535.D\data.ms (-1

m/z--> Abundance Scan 1343 (9.275 min): VX035535.D\data.ms (-1

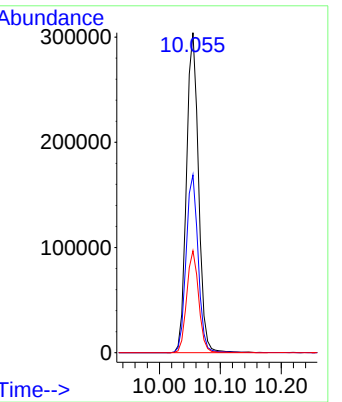
m/z--> Abundance Scan 1343 (9.275 min): VX035535.D\data.ms (-1

m/z--> Abundance Scan 1343 (9.275 min): VX035535.D\data.ms (-1

m/z--> Abundance Scan 1343 (9.275 min): VX035535.D\data.ms (-1

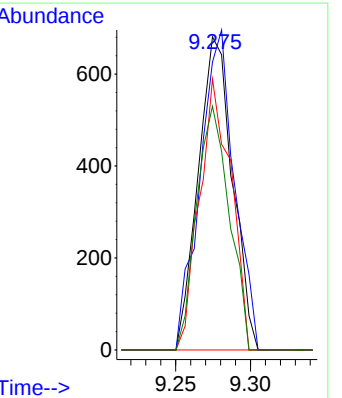
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

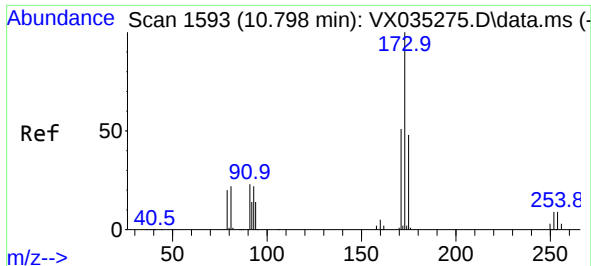
Tgt Ion:117 Resp: 418608
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 31.8 26.0 39.0



#64
Tetrachloroethene
Concen: 0.339 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

Tgt Ion:164 Resp: 1086
Ion Ratio Lower Upper
164 100
166 91.9 102.7 154.1#
129 86.5 75.6 113.4
131 77.8 73.7 110.5

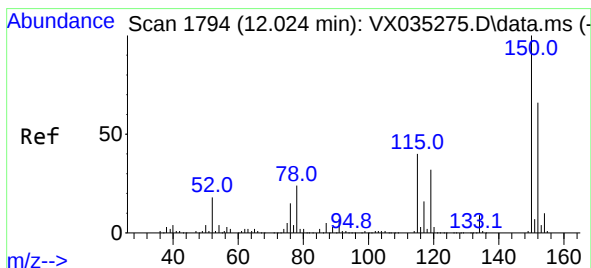
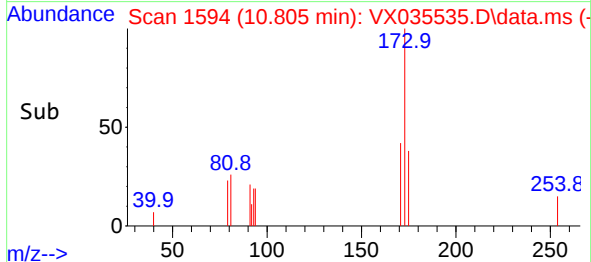
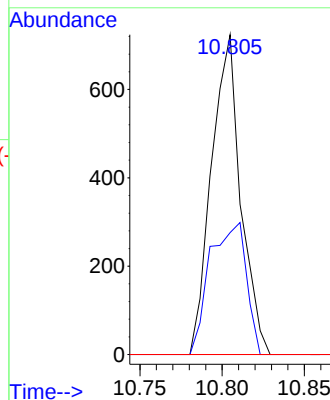
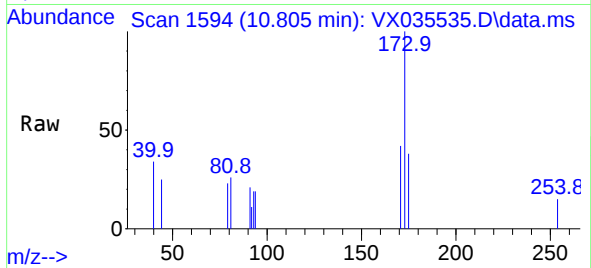




#71
Bromoform
Concen: 0.409 ug/l
RT: 10.805 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

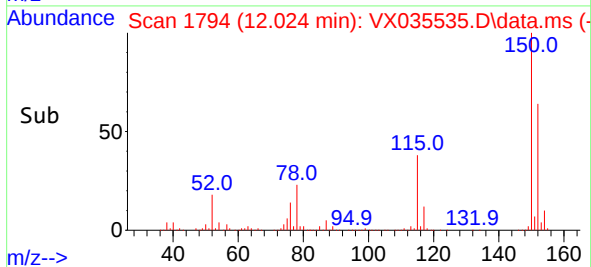
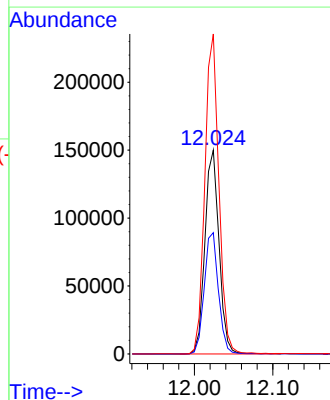
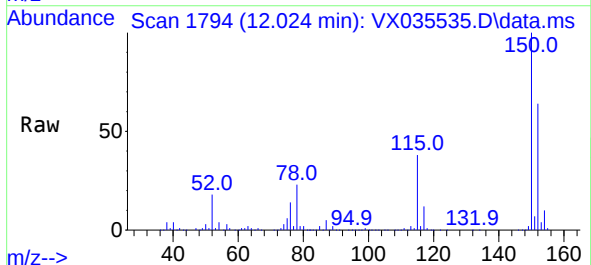
Instrument :
MSVOA_X
ClientSampleId :
002-2

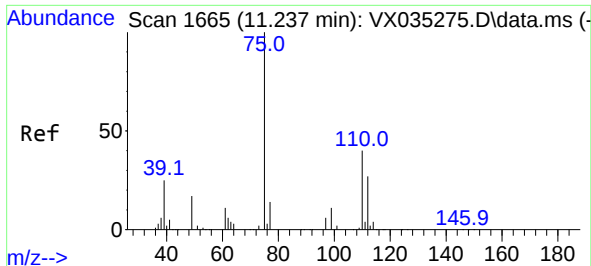
Tgt Ion:173 Resp: 896
Ion Ratio Lower Upper
173 100
175 51.1 24.1 72.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

Tgt Ion:152 Resp: 187450
Ion Ratio Lower Upper
152 100
115 59.9 45.0 135.0
150 156.0 0.0 352.4

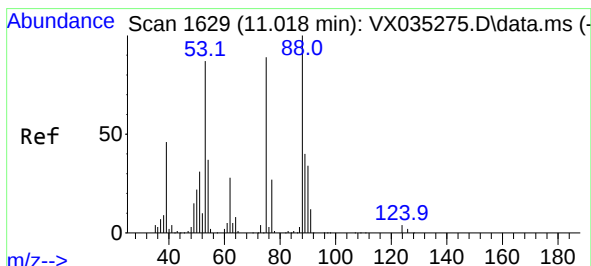
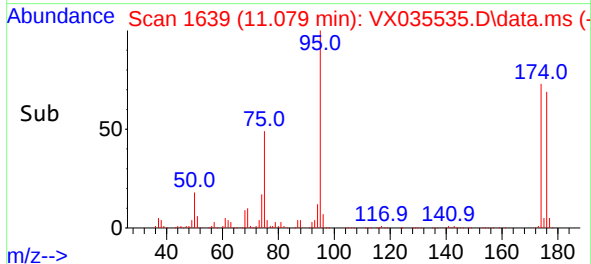
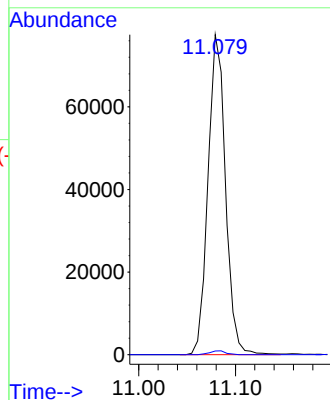
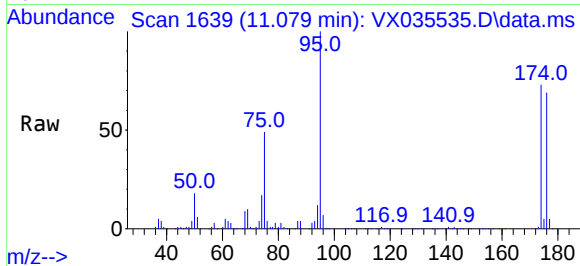




#76
1,2,3-Trichloropropane
Concen: 26.093 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

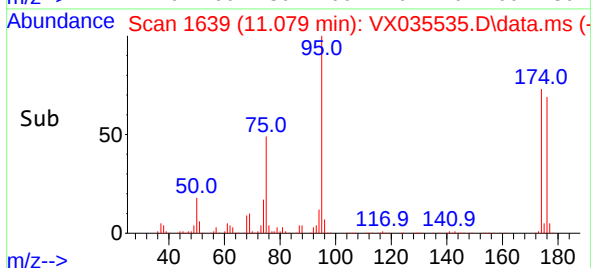
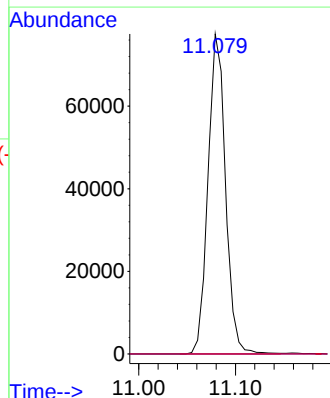
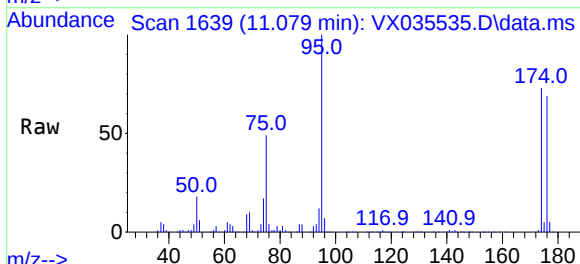
Instrument :
MSVOA_X
ClientSampleId :
002-2

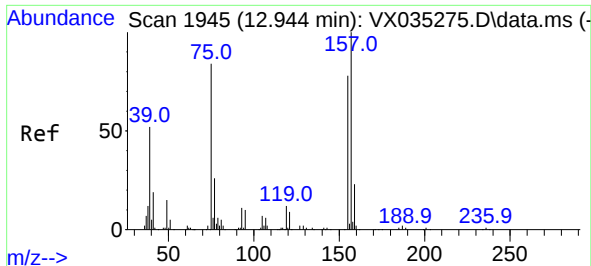
Tgt Ion: 75 Resp: 97566
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035535.D
Acq: 05 May 2023 14:52

Tgt Ion: 75 Resp: 97566
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.875 ug/l

RT: 12.762 min Scan# 19

Delta R.T. -0.182 min

Lab File: VX035535.D

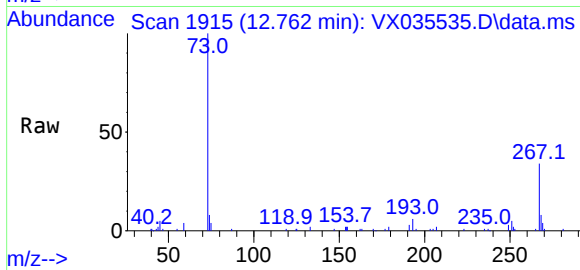
Acq: 05 May 2023 14:52

Instrument :

MSVOA_X

ClientSampleId :

002-2



Tgt Ion: 75 Resp: 746

Ion Ratio Lower Upper

75 100

155 25.3 38.4 115.1#

157 0.0 49.9 149.7#

