

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035532.D
 Acq On : 05 May 2023 13:42
 Operator : JC/MD
 Sample : 02615-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-1

Quant Time: May 08 00:50:41 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

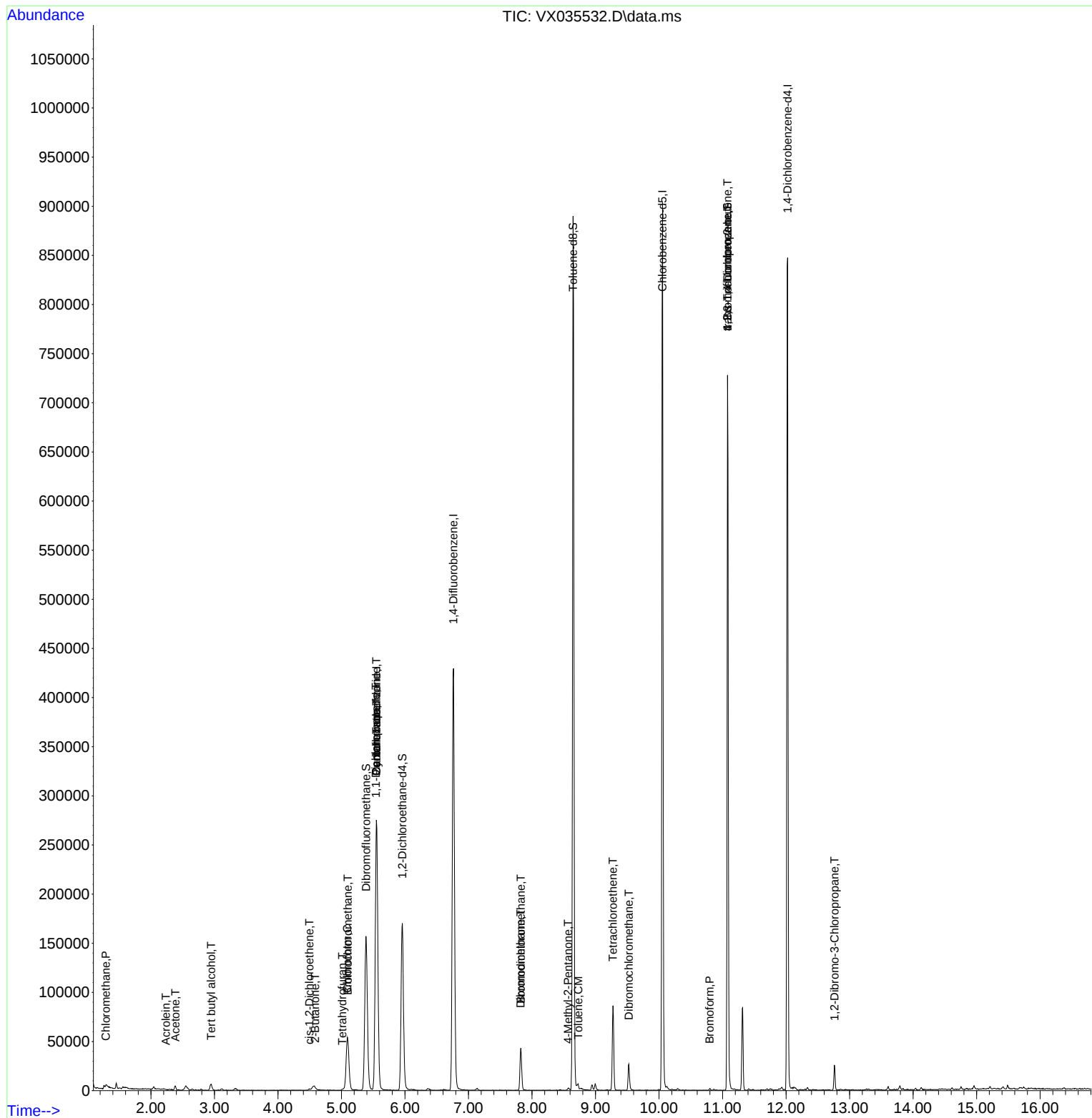
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	269007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	448313	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	408226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	191037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165528	51.004	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.000%	
35) Dibromofluoromethane	5.385	113	140824	51.179	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.360%	
50) Toluene-d8	8.647	98	526428	50.716	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.440%	
62) 4-Bromofluorobenzene	11.079	95	198361	50.800	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.600%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	727	0.281	ug/l #	74
11) Tert butyl alcohol	2.947	59	4093	6.926	ug/l #	73
13) Acrolein	2.233	56	157	0.270	ug/l #	81
16) Acetone	2.386	43	4576	3.246	ug/l #	88
25) 2-Butanone	4.587	43	620	0.301	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	777	0.233	ug/l	97
28) Bromochloromethane	5.099	49	5041	2.308	ug/l #	15
29) Tetrahydrofuran	5.013	42	1161	0.880	ug/l #	34
30) Chloroform	5.093	83	67711	13.087	ug/l	99
31) Cyclohexane	5.550	56	4963	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	19909	4.634	ug/l #	51
38) Carbon Tetrachloride	5.550	117	26853	6.584	ug/l #	15
46) Dibromomethane	7.818	93	875	0.410	ug/l #	5
47) Bromodichloromethane	7.824	83	29129	7.409	ug/l #	94
51) 4-Methyl-2-Pentanone	8.568	43	2591	0.640	ug/l #	37
52) Toluene	8.726	92	1952	0.250	ug/l	100
60) Dibromochloromethane	9.525	129	10191	3.415	ug/l	93
64) Tetrachloroethene	9.275	164	1272	0.407	ug/l	84
71) Bromoform	10.799	173	642	0.300	ug/l #	93
76) 1,2,3-Trichloropropane	11.079	75	97027	25.461	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	97027	82.465	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.762	75	643	0.740	ug/l #	13

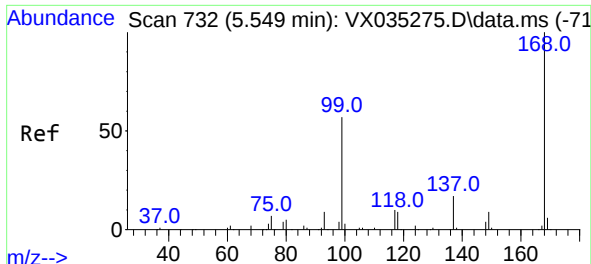
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 08 00:50:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
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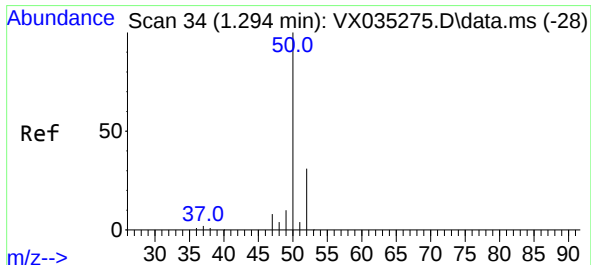
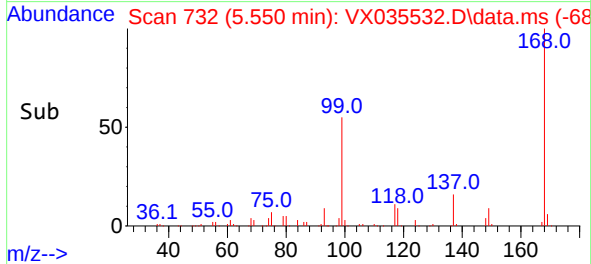
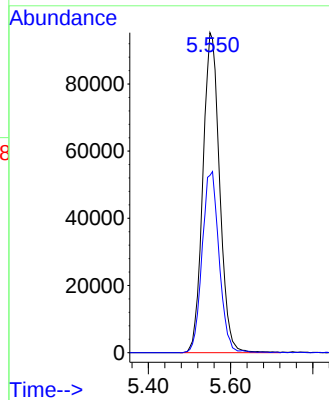
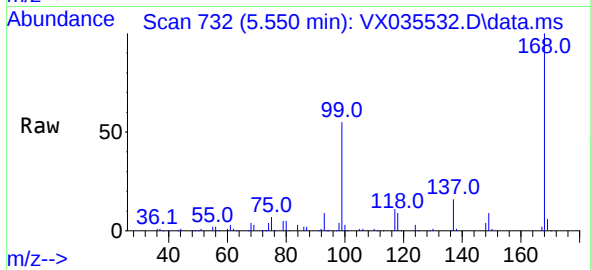




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

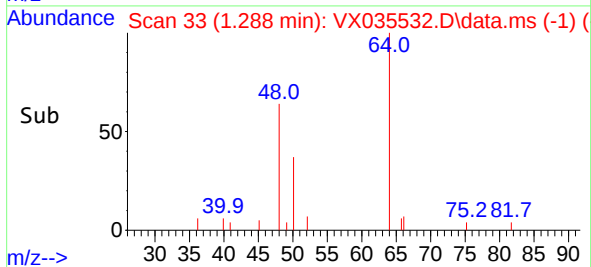
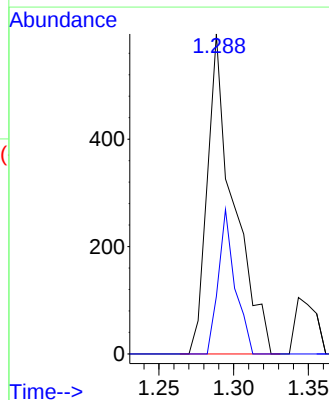
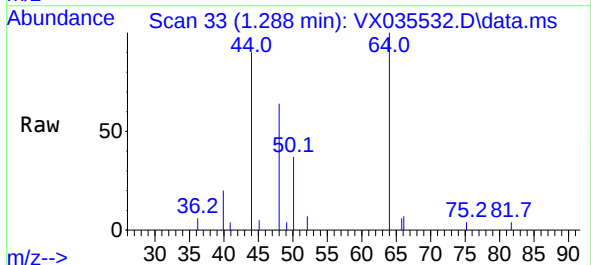
Instrument :
MSVOA_X
ClientSampleId :
002-1

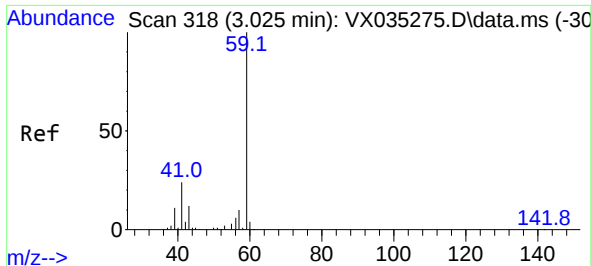
Tgt Ion:168 Resp: 269007
Ion Ratio Lower Upper
168 100
99 55.4 45.7 68.5



#3
Chloromethane
Concen: 0.281 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion: 50 Resp: 727
Ion Ratio Lower Upper
50 100
52 18.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 6.926 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.078 min

Lab File: VX035532.D

Acq: 05 May 2023 13:42

Instrument :

MSVOA_X

ClientSampleId :

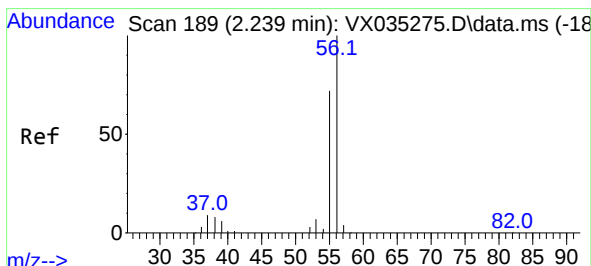
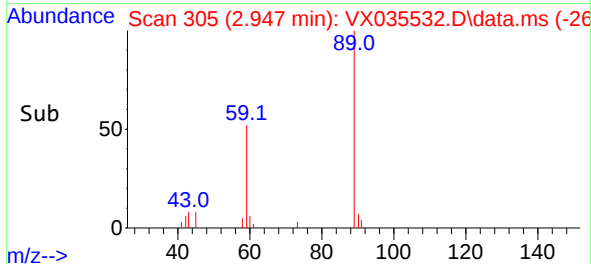
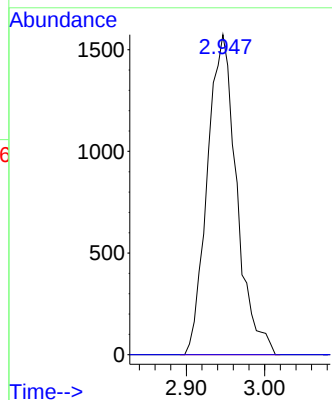
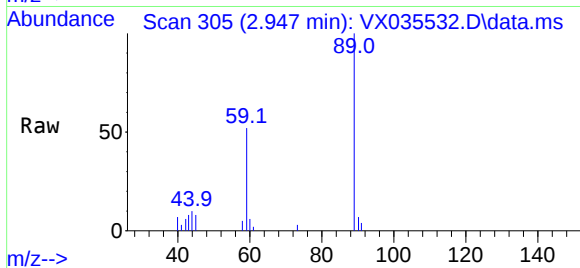
002-1

Tgt Ion: 59 Resp: 4093

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.270 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX035532.D

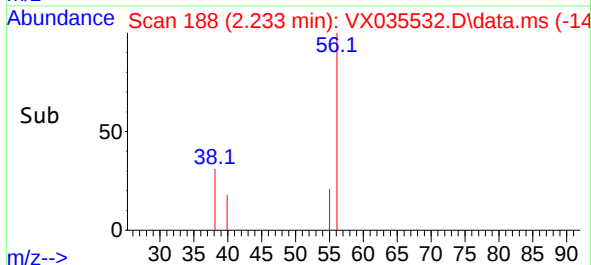
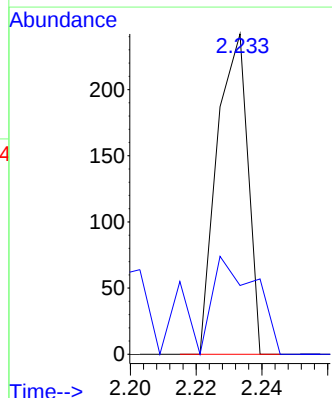
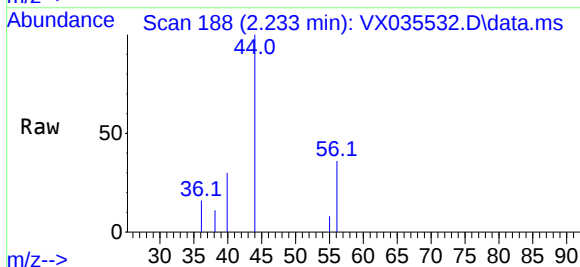
Acq: 05 May 2023 13:42

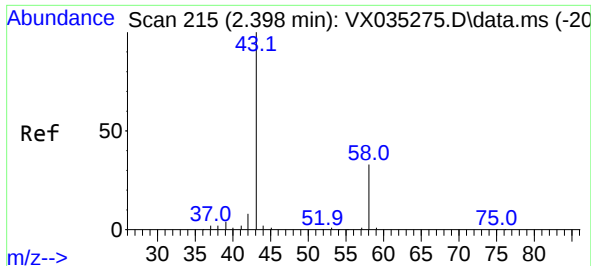
Tgt Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 55.4 56.6 85.0#

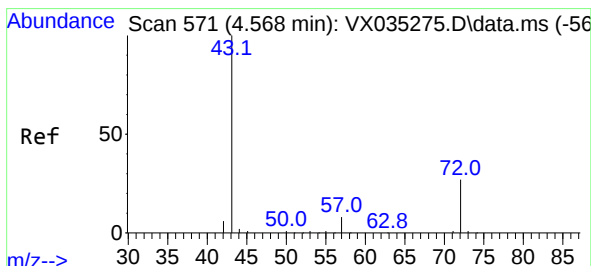
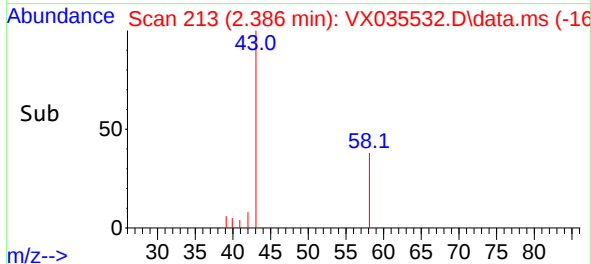
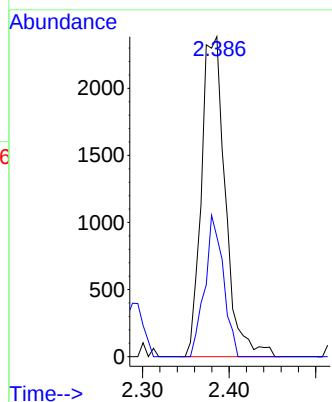
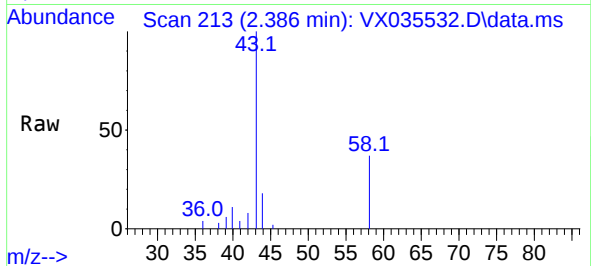




#16
Acetone
Concen: 3.246 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

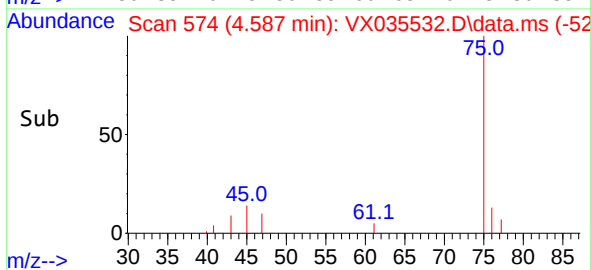
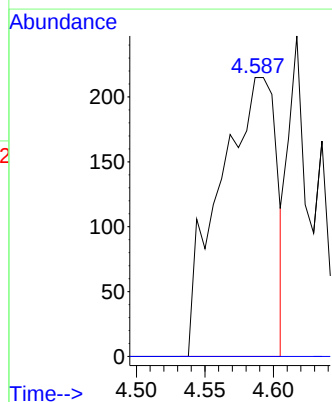
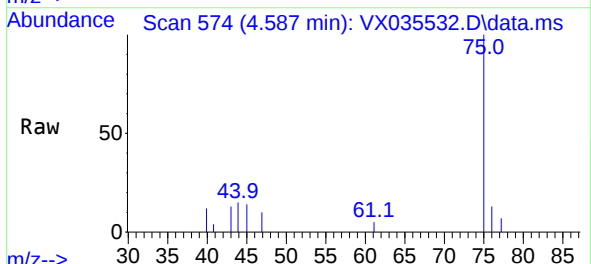
Instrument :
MSVOA_X
ClientSampleId :
002-1

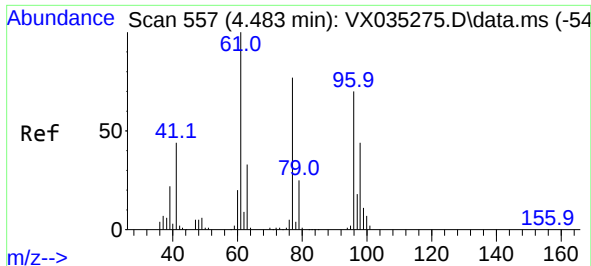
Tgt Ion: 43 Resp: 4576
Ion Ratio Lower Upper
43 100
58 37.5 24.7 37.1#



#25
2-Butanone
Concen: 0.301 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



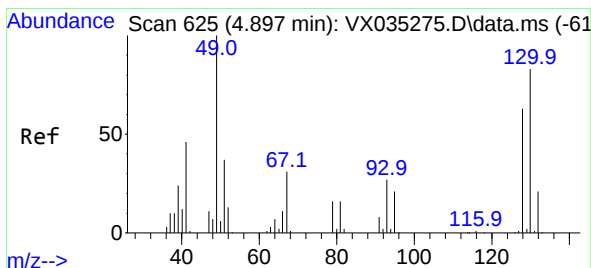
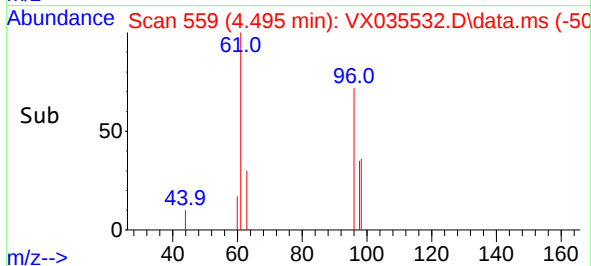
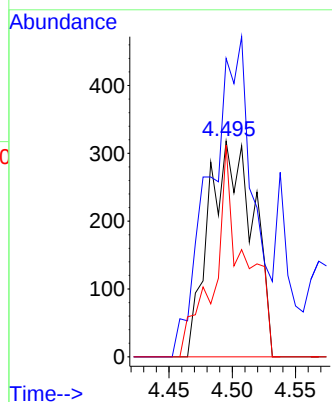
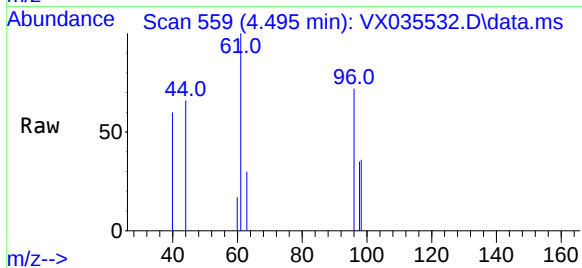


#27
cis-1,2-Dichloroethene
Concen: 0.233 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Instrument :
MSVOA_X
ClientSampleId :
002-1

Tgt Ion: 96 Resp: 777

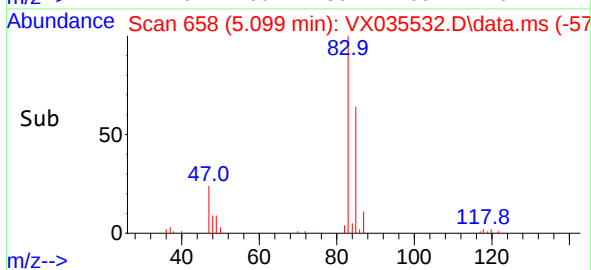
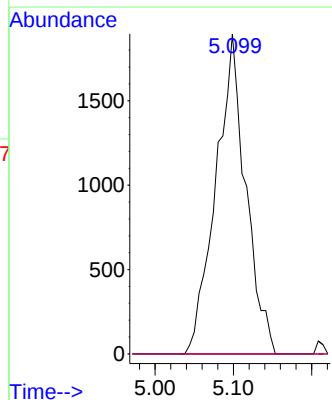
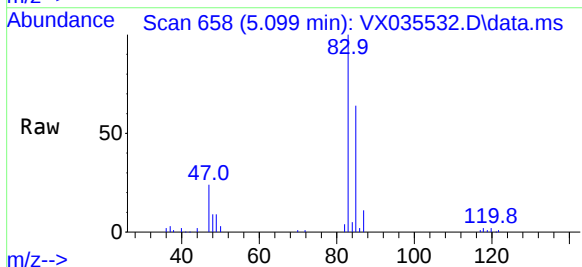
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	300.4
98	66.9	0.0	129.0

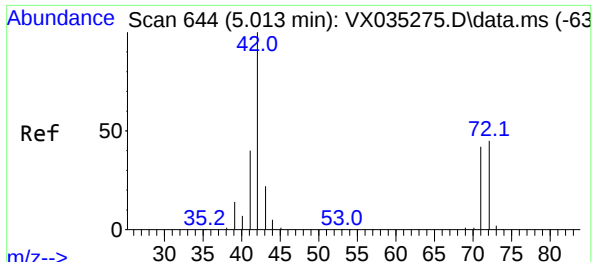


#28
Bromochloromethane
Concen: 2.308 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.202 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion: 49 Resp: 5041

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	58.2	87.2#

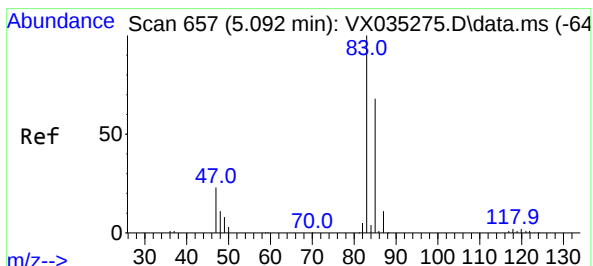
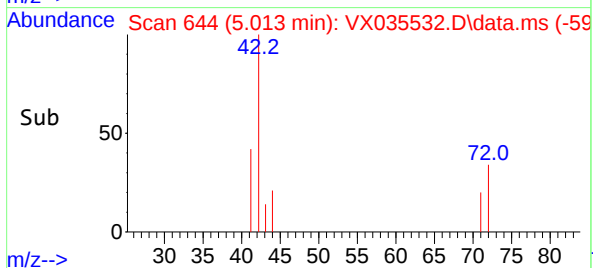
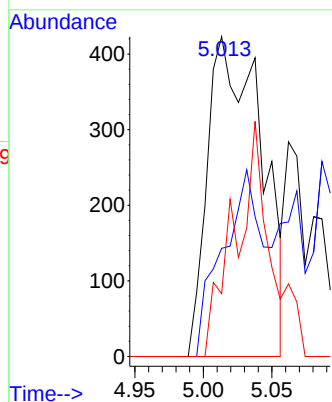
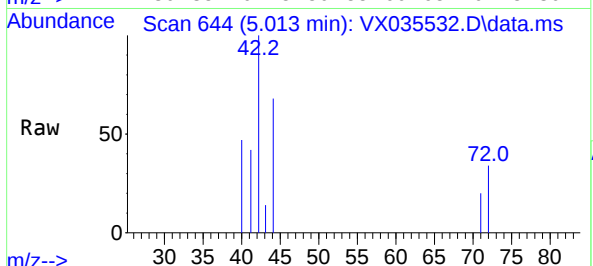




#29
Tetrahydrofuran
Concen: 0.880 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.000 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

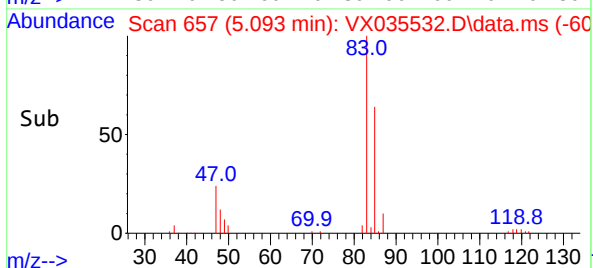
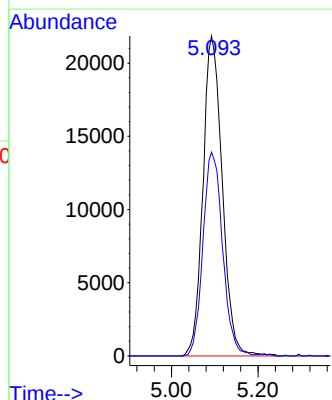
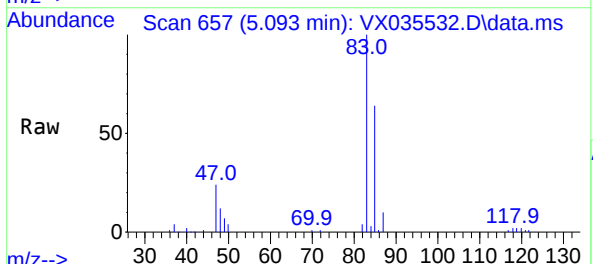
Instrument :
MSVOA_X
ClientSampleId :
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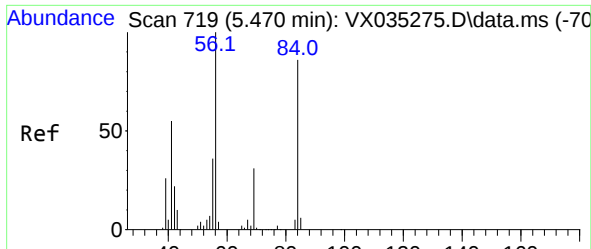
Tgt Ion: 42 Resp: 1161
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 0.0 32.1 48.1#



#30
Chloroform
Concen: 13.087 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.001 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

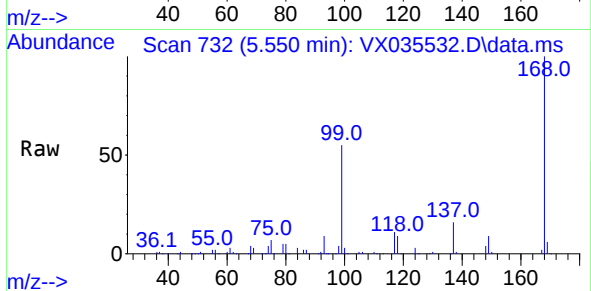
Tgt Ion: 83 Resp: 67711
Ion Ratio Lower Upper
83 100
85 63.7 50.6 76.0



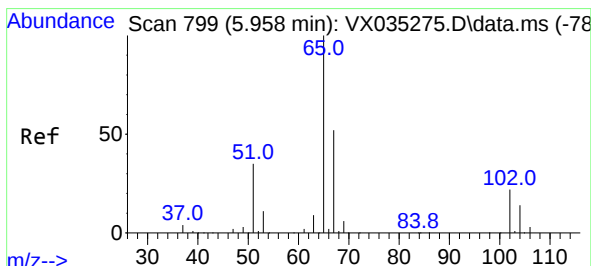
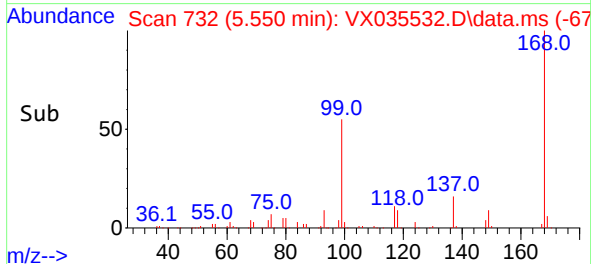
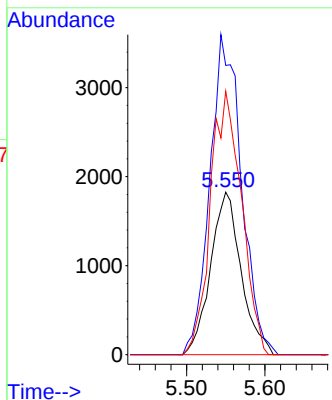


#31
Cyclohexane
Concen: 1.078 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

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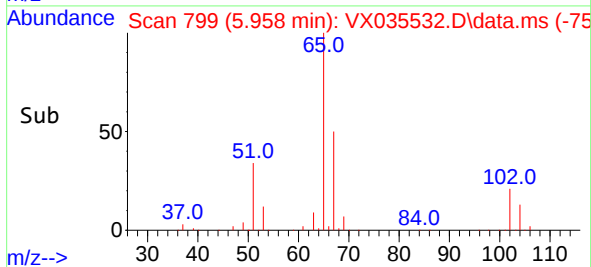
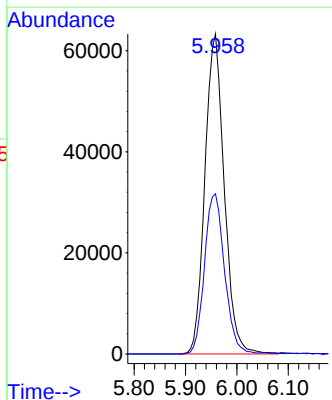
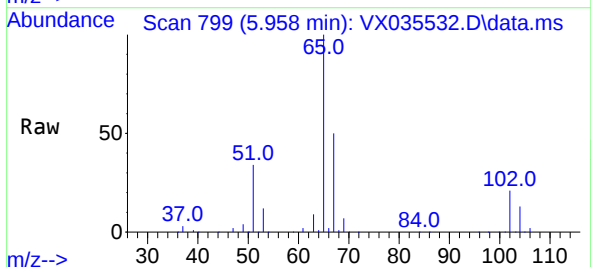


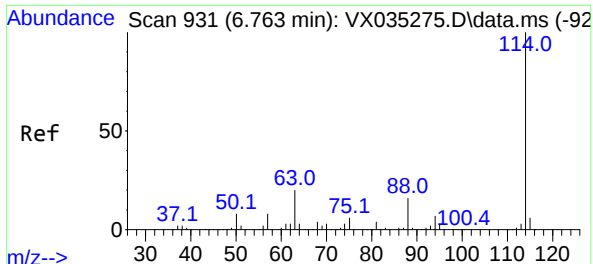
Tgt Ion: 56 Resp: 4963
Ion Ratio Lower Upper
56 100
69 178.0 23.7 35.5#
84 162.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 51.004 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion: 65 Resp: 165528
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.0

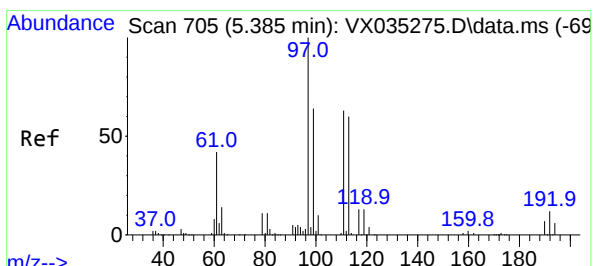
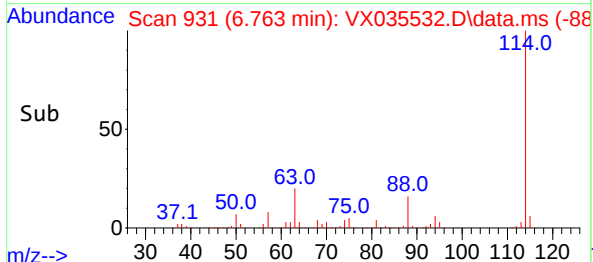
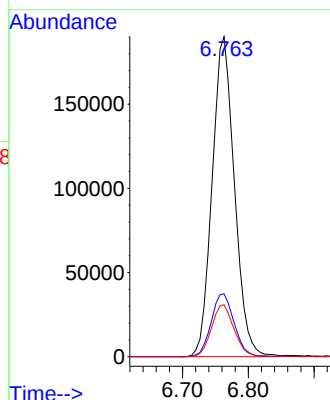
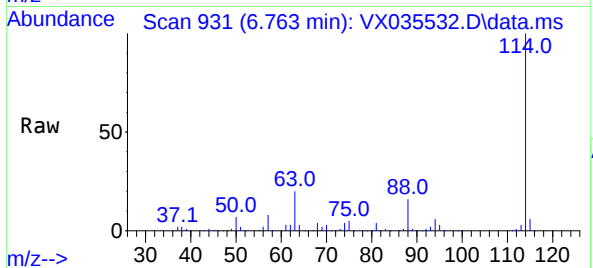




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

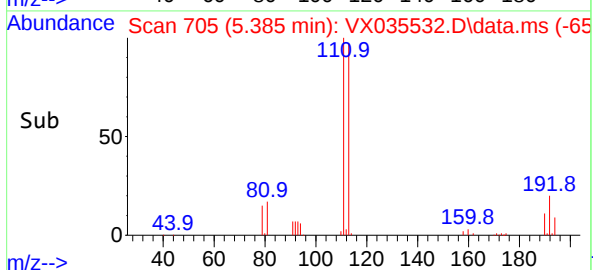
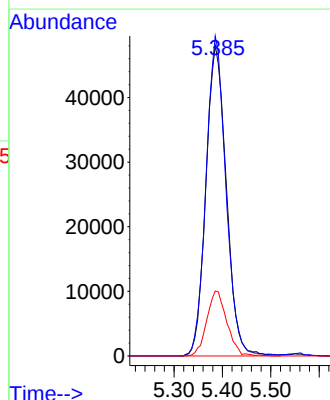
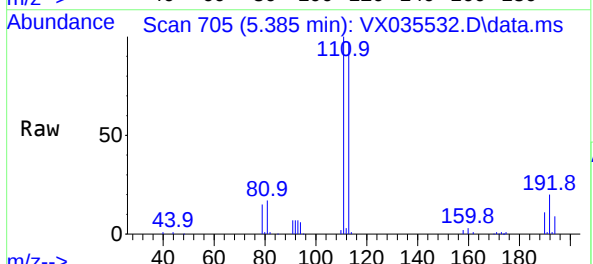
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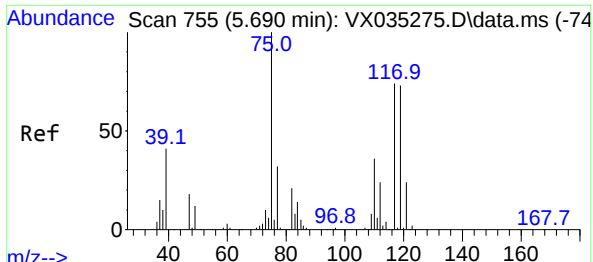
Tgt Ion:114 Resp: 448313
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.2
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 51.179 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion:113 Resp: 140824
Ion Ratio Lower Upper
113 100
111 100.6 83.7 125.5
192 20.6 15.4 23.2

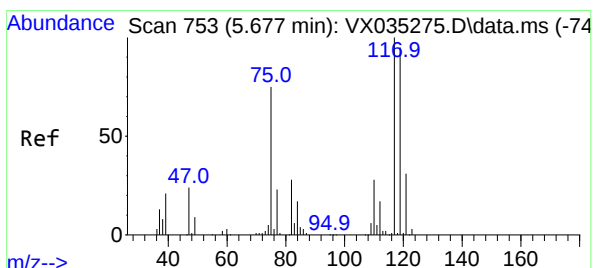
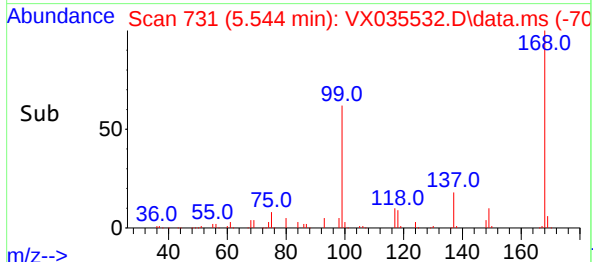
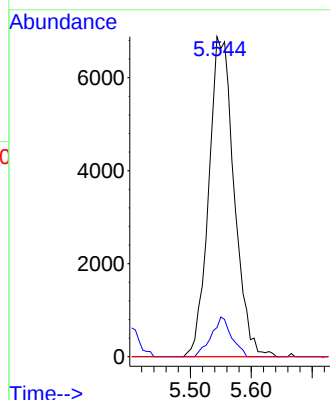
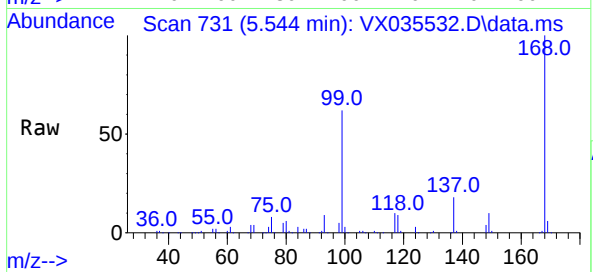




#36
1,1-Dichloropropene
Concen: 4.634 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

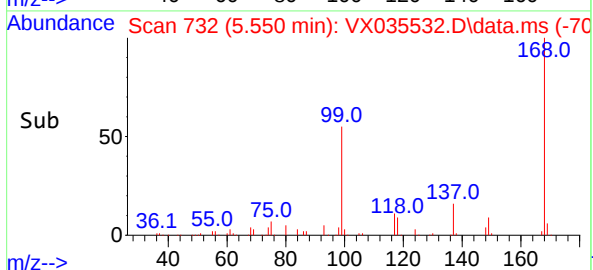
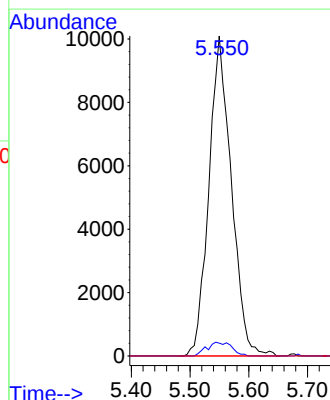
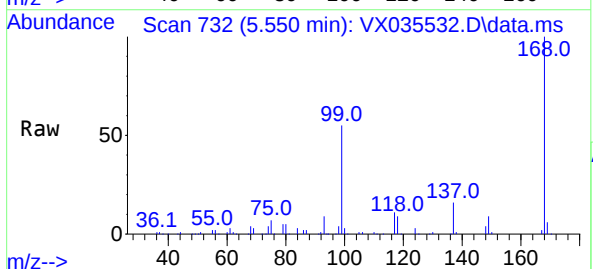
Instrument :
MSVOA_X
ClientSampleId :
002-1

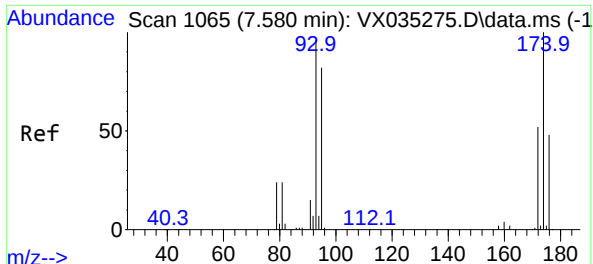
Tgt Ion: 75 Resp: 19909
Ion Ratio Lower Upper
75 100
110 9.9 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.584 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion: 117 Resp: 26853
Ion Ratio Lower Upper
117 100
119 4.0 76.6 114.8#
121 0.0 23.8 35.6#

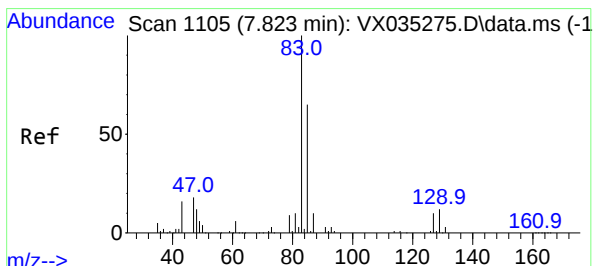
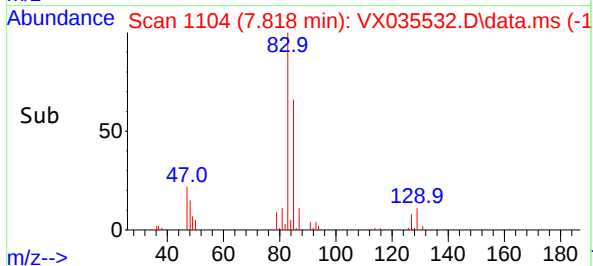
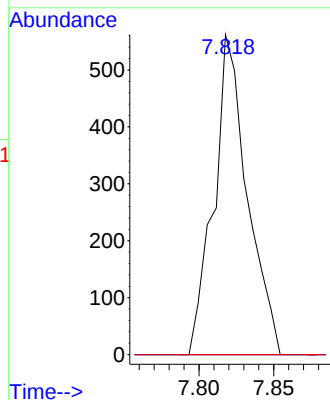
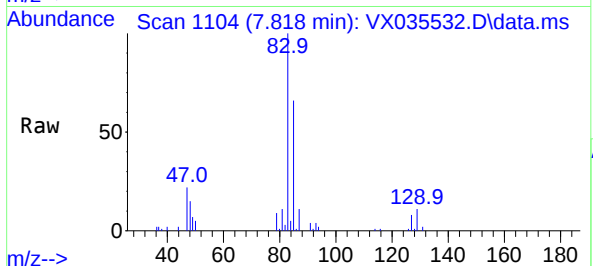




#46
Dibromomethane
Concen: 0.410 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.238 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

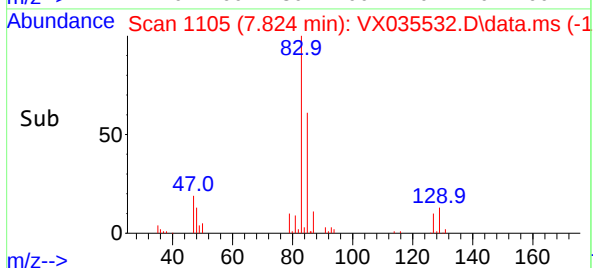
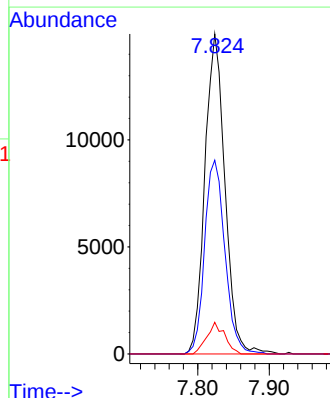
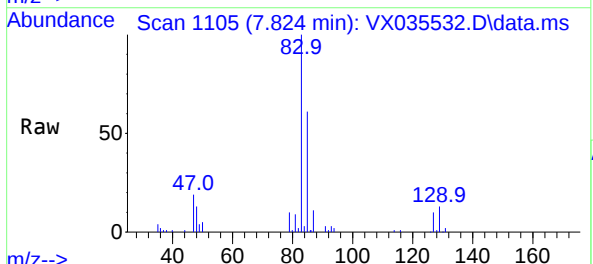
Instrument :
MSVOA_X
ClientSampleId :
002-1

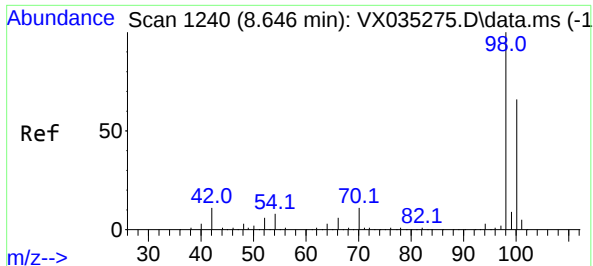
Tgt Ion: 93 Resp: 875
Ion Ratio Lower Upper
93 100
95 0.0 66.9 100.3#
174 0.0 75.4 113.0#



#47
Bromodichloromethane
Concen: 7.409 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.001 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion: 83 Resp: 29129
Ion Ratio Lower Upper
83 100
85 60.6 52.2 78.4
127 9.9 6.6 9.8#





#50

Toluene-d8

Concen: 50.716 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX035532.D

Acq: 05 May 2023 13:42

Instrument :

MSVOA_X

ClientSampleId :

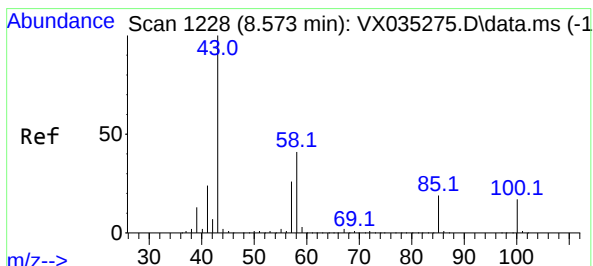
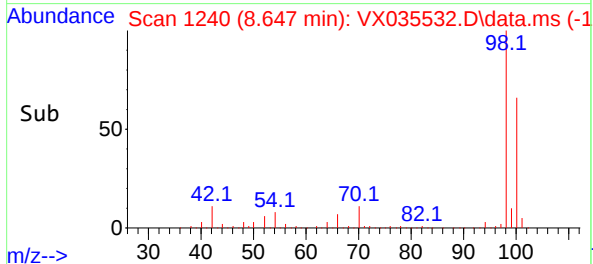
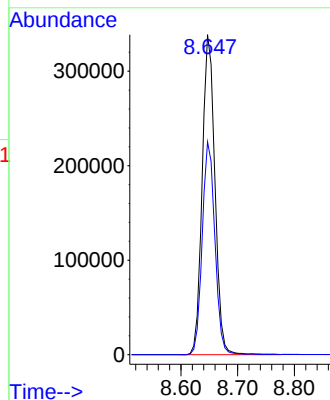
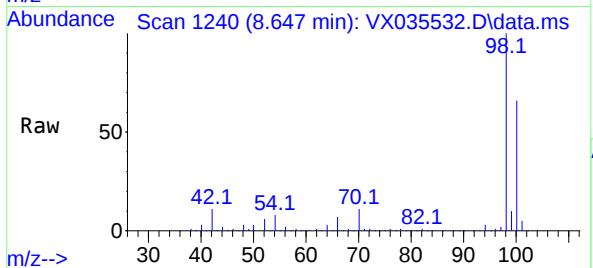
002-1

Tgt Ion: 98 Resp: 526428

Ion Ratio Lower Upper

98 100

100 66.4 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.640 ug/l

RT: 8.568 min Scan# 1227

Delta R.T. -0.005 min

Lab File: VX035532.D

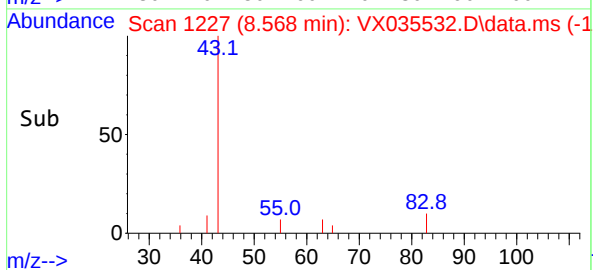
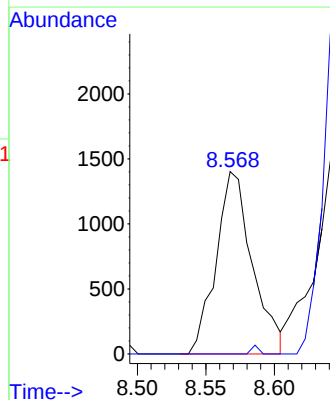
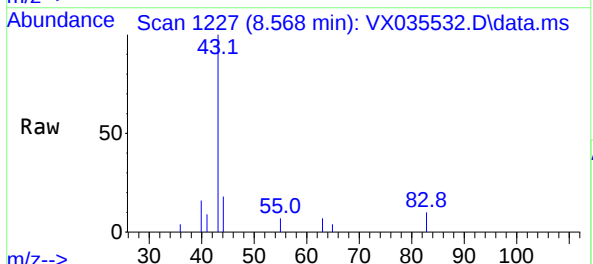
Acq: 05 May 2023 13:42

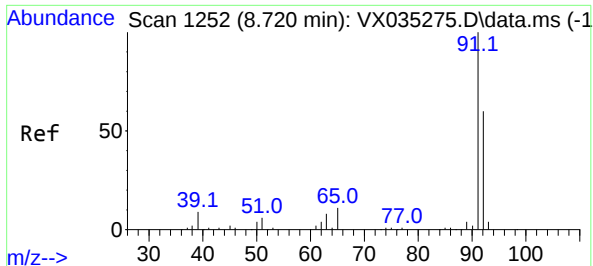
Tgt Ion: 43 Resp: 2591

Ion Ratio Lower Upper

43 100

58 0.0 30.6 46.0#

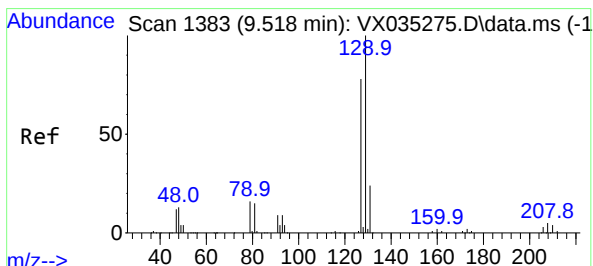
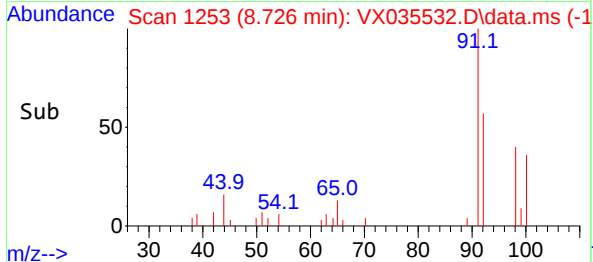
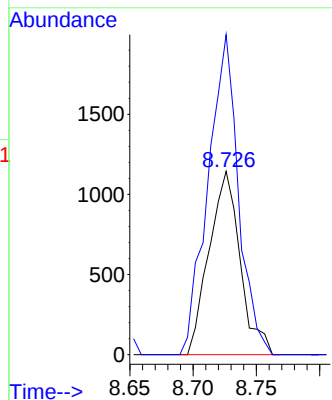
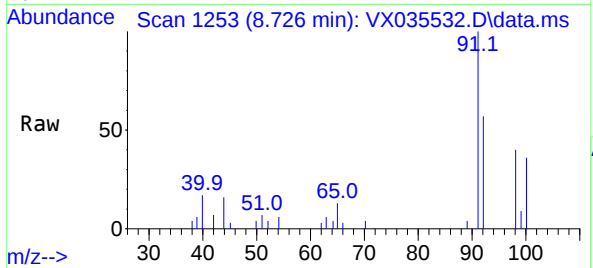




#52
Toluene
Concen: 0.250 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

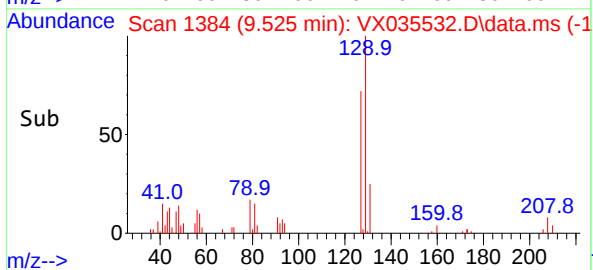
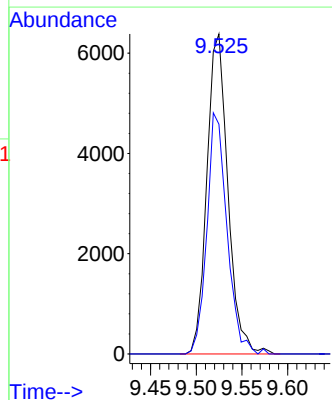
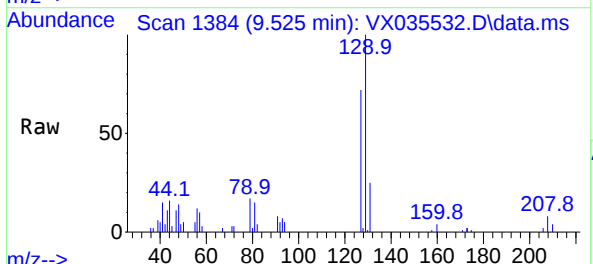
Instrument :
MSVOA_X
ClientSampleId :
002-1

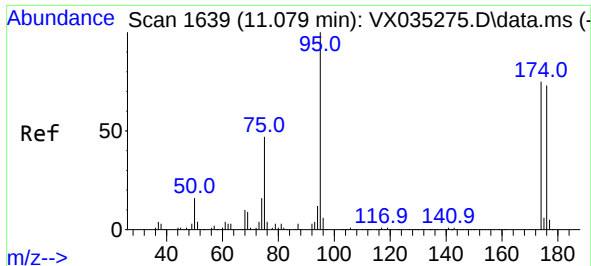
Tgt Ion: 92 Resp: 1952
Ion Ratio Lower Upper
92 100
91 171.2 136.8 205.2



#60
Dibromochloromethane
Concen: 3.415 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.007 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion: 129 Resp: 10191
Ion Ratio Lower Upper
129 100
127 72.3 39.0 117.0

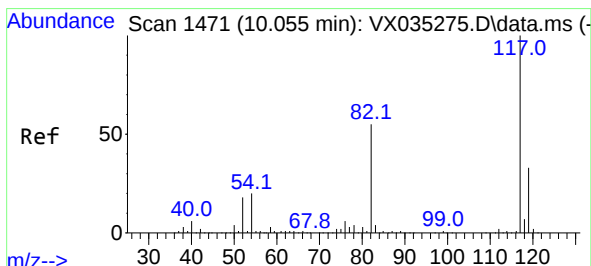
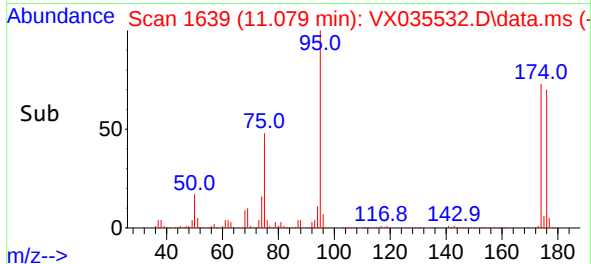
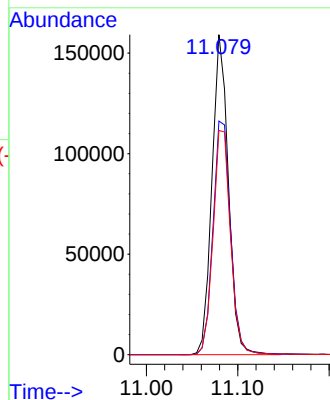
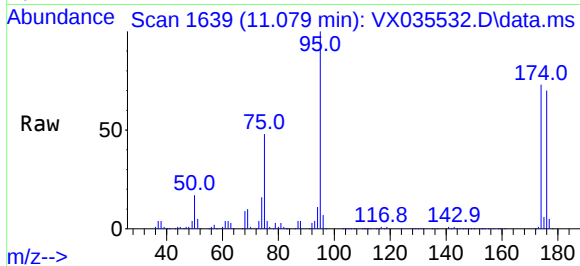




#62
4-Bromofluorobenzene
Concen: 50.800 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

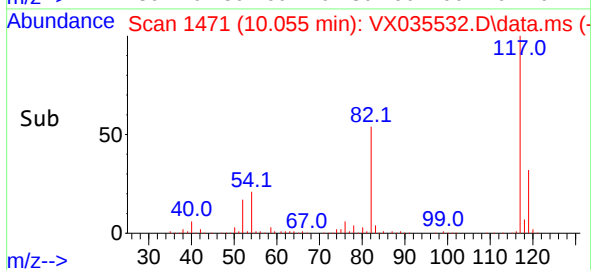
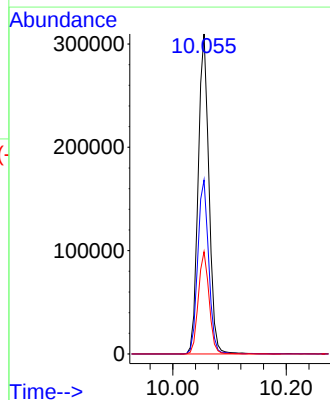
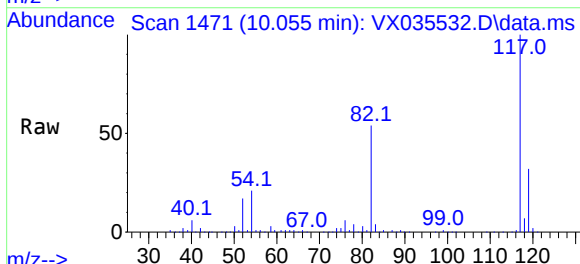
Instrument :
MSVOA_X
ClientSampleId :
002-1

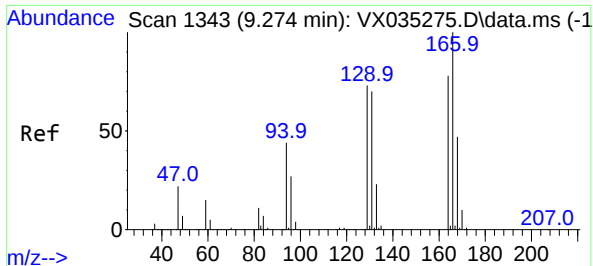
Tgt Ion: 95 Resp: 198361
Ion Ratio Lower Upper
95 100
174 78.3 0.0 147.4
176 74.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion: 117 Resp: 408226
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.4
119 31.9 26.0 39.0

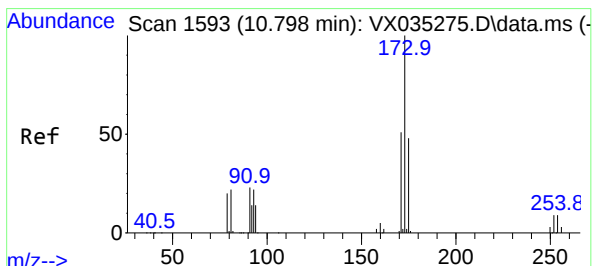
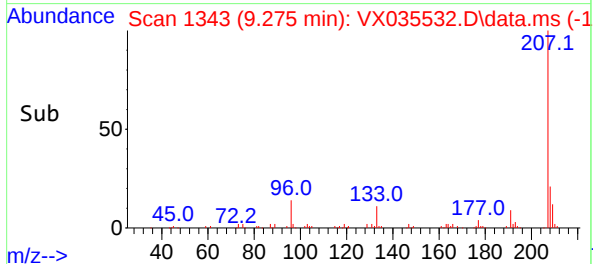
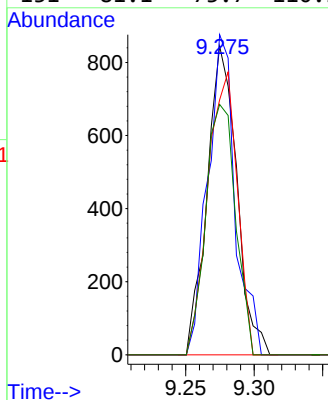
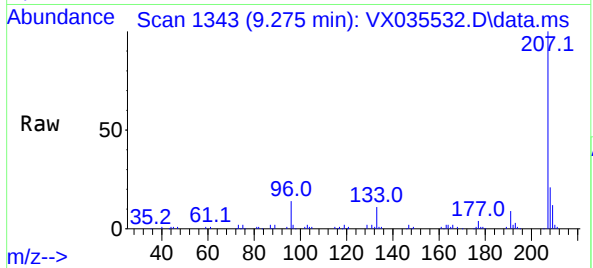




#64
Tetrachloroethene
Concen: 0.407 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

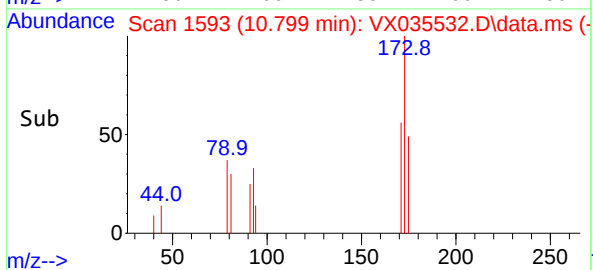
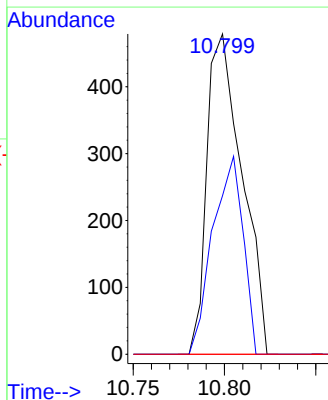
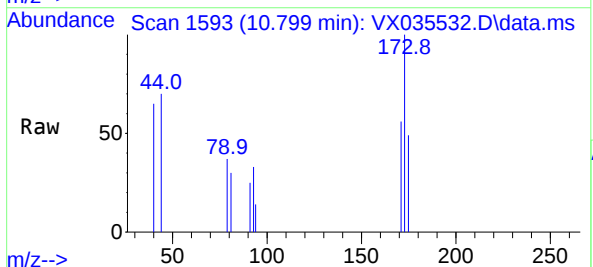
Instrument :
MSVOA_X
ClientSampleId :
002-1

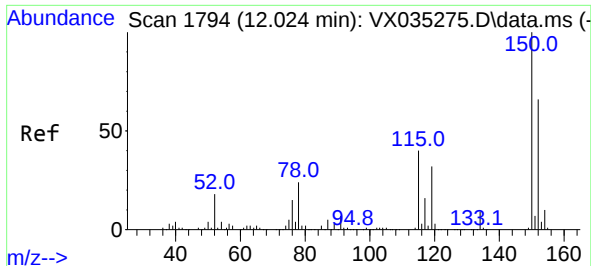
Tgt Ion:164 Resp: 1272
Ion Ratio Lower Upper
164 100
166 103.7 102.7 154.1
129 82.6 75.6 113.4
131 81.1 73.7 110.5



#71
Bromoform
Concen: 0.300 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.001 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion:173 Resp: 642
Ion Ratio Lower Upper
173 100
175 53.3 24.1 72.4
254 0.0 0.1 0.1#

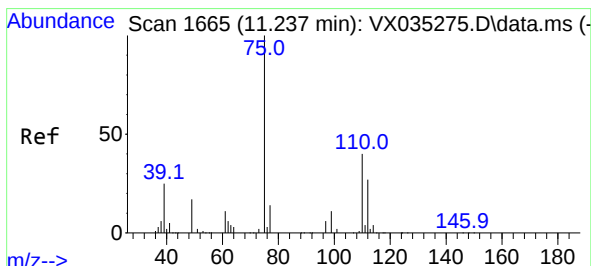
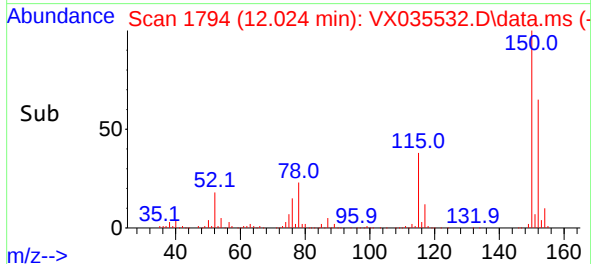
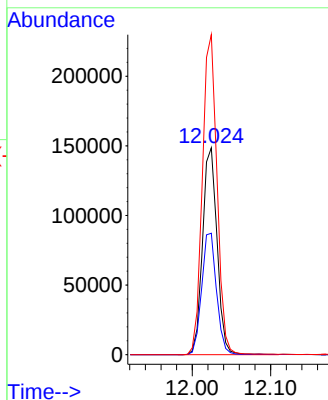
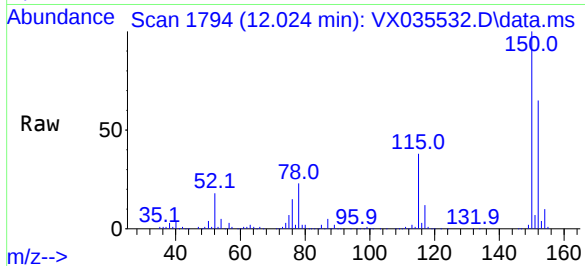




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035532.D
 Acq: 05 May 2023 13:42

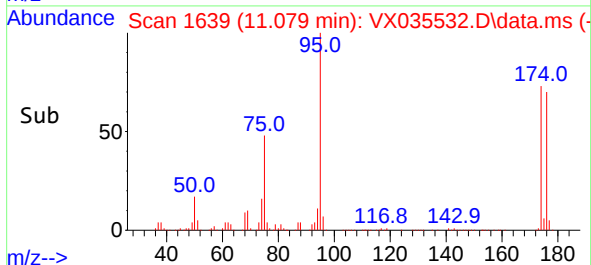
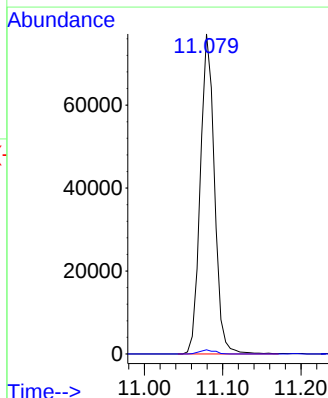
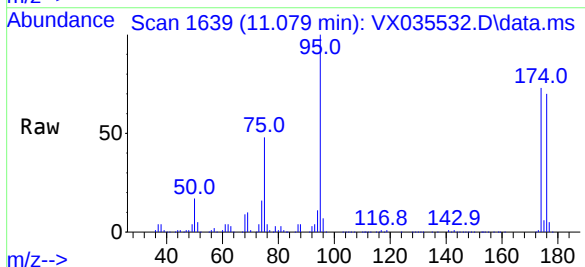
Instrument :
 MSVOA_X
 ClientSampleId :
 002-1

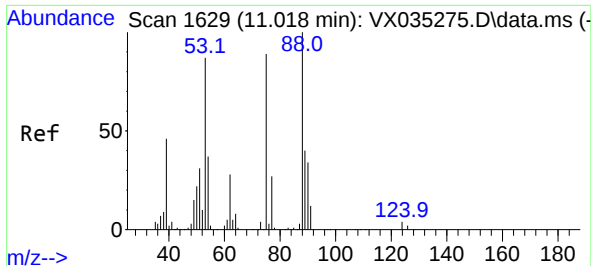
Tgt Ion:152 Resp: 191037
 Ion Ratio Lower Upper
 152 100
 115 60.0 45.0 135.0
 150 156.4 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 25.461 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX035532.D
 Acq: 05 May 2023 13:42

Tgt Ion: 75 Resp: 97027
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.6 64.8#

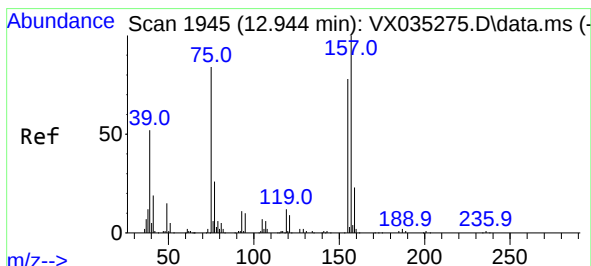
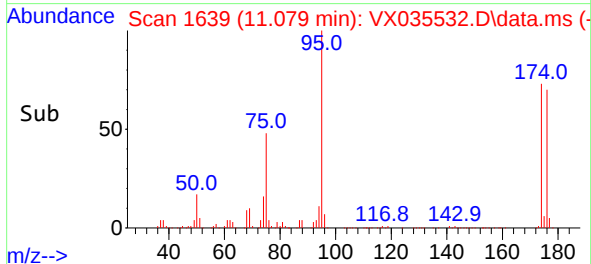
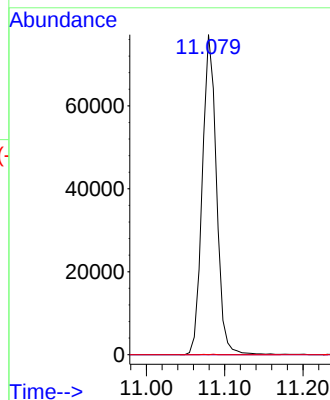
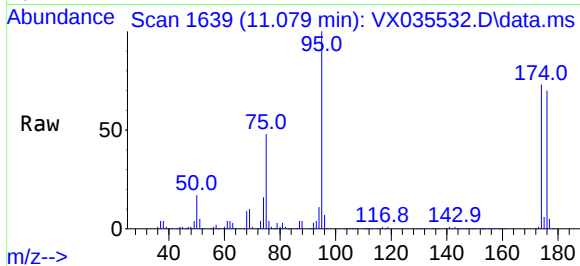




#81
trans-1,4-Dichloro-2-butene
Concen: 82.465 ug/l
RT: 11.079 min Scan# 1100
Delta R.T. 0.061 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Instrument :
MSVOA_X
ClientSampleId :
002-1

Tgt Ion: 75 Resp: 97027
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.740 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.182 min
Lab File: VX035532.D
Acq: 05 May 2023 13:42

Tgt Ion: 75 Resp: 643
Ion Ratio Lower Upper
75 100
155 17.0 38.4 115.1#
157 0.0 49.9 149.7#

