

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035537.D
 Acq On : 05 May 2023 15:38
 Operator : JC/MD
 Sample : 02615-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-3

Quant Time: May 08 00:51:29 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)

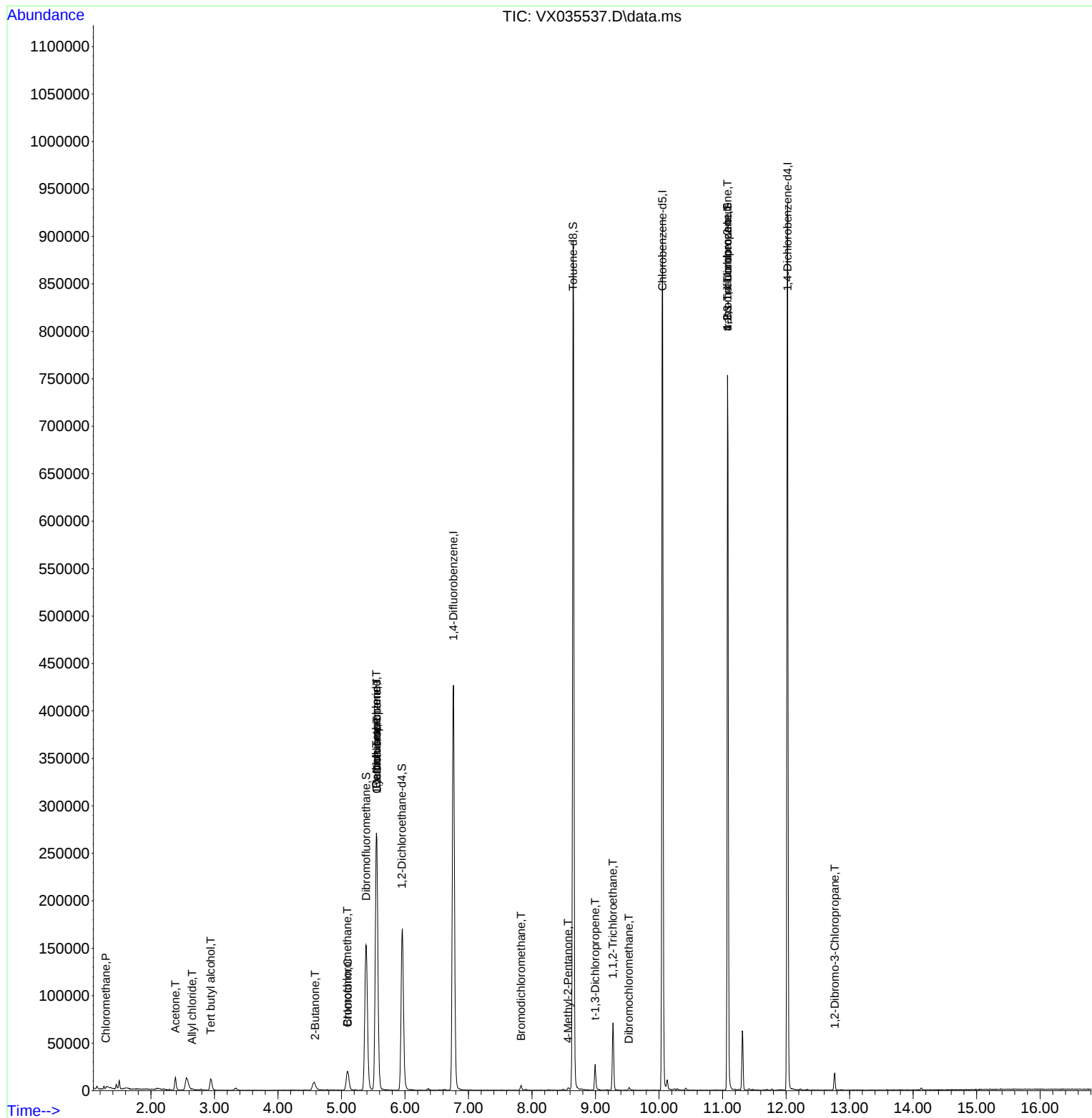
Internal Standards						
1) Pentafluorobenzene	5.550	168	264680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	446152	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	420859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	201454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	164045	51.373	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.740%			
35) Dibromofluoromethane	5.385	113	139792	51.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.100%			
50) Toluene-d8	8.647	98	531179	51.421	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.840%			
62) 4-Bromofluorobenzene	11.079	95	209259	53.850	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.700%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	935	0.367	ug/l #	86
11) Tert butyl alcohol	2.940	59	7747	13.324	ug/l #	74
14) Allyl chloride	2.648	41	981	0.217	ug/l #	58
16) Acetone	2.386	43	14505	10.459	ug/l	97
25) 2-Butanone	4.586	43	2117	1.046	ug/l	99
28) Bromochloromethane	5.092	49	1861	0.866	ug/l #	15
30) Chloroform	5.099	83	25963	5.100	ug/l	98
31) Cyclohexane	5.556	56	5173	1.142	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	19914	4.657	ug/l #	51
38) Carbon Tetrachloride	5.550	117	26874	6.621	ug/l #	16
47) Bromodichloromethane	7.830	83	3280	0.838	ug/l #	85
51) 4-Methyl-2-Pentanone	8.567	43	3252	0.807	ug/l #	46
53) t-1,3-Dichloropropene	8.994	75	1694	0.415	ug/l	94
55) 1,1,2-Trichloroethane	9.275	97	1090	0.352	ug/l #	15
60) Dibromochloromethane	9.525	129	627	0.211	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	102654	25.545	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	102654	82.736	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.768	75	480	0.524	ug/l #	5

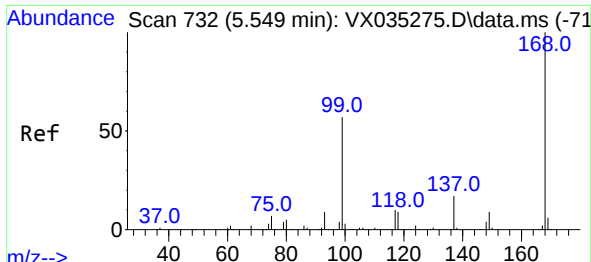
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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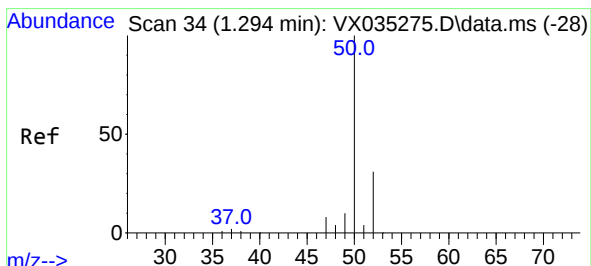
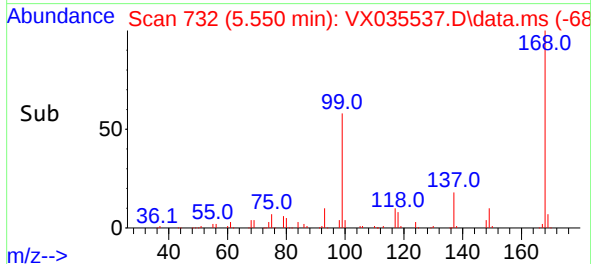
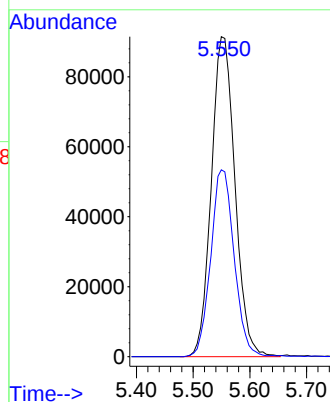
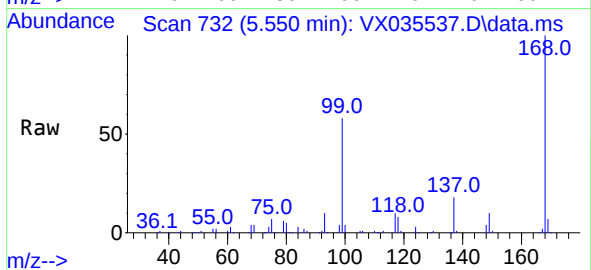




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

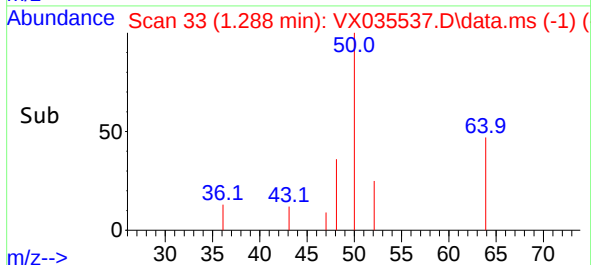
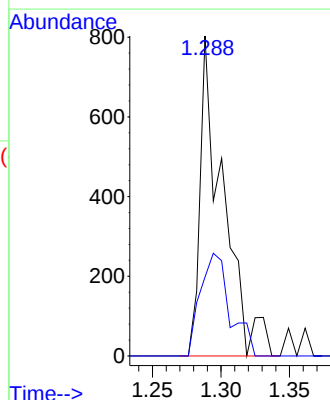
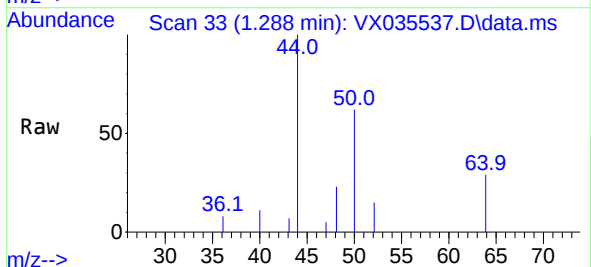
Instrument :
MSVOA_X
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001-3

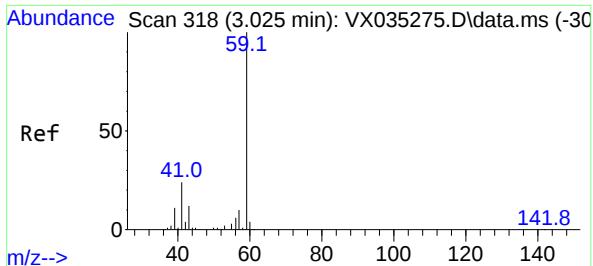
Tgt Ion:168 Resp: 264680
Ion Ratio Lower Upper
168 100
99 58.4 45.7 68.5



#3
Chloromethane
Concen: 0.367 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Tgt Ion: 50 Resp: 935
Ion Ratio Lower Upper
50 100
52 24.7 25.9 38.9#





#11

Tert butyl alcohol

Concen: 13.324 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.085 min

Lab File: VX035537.D

Acq: 05 May 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

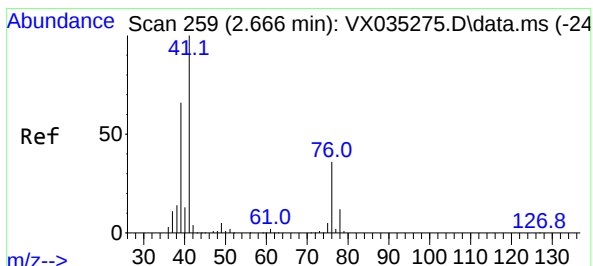
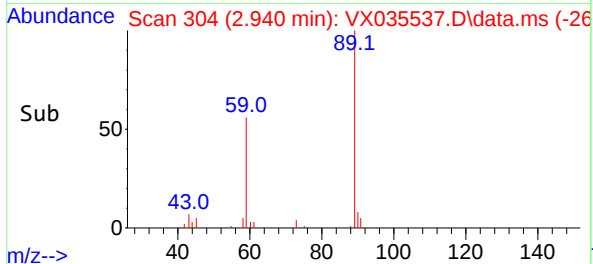
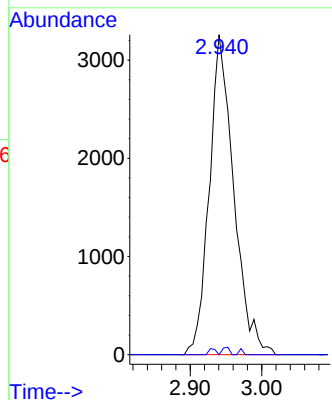
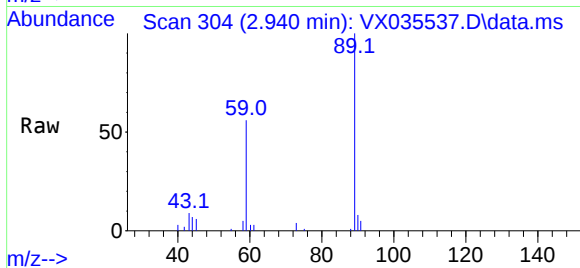
001-3

Tgt Ion: 59 Resp: 7747

Ion Ratio Lower Upper

59 100

57 0.5 8.1 12.1#



#14

Allyl chloride

Concen: 0.217 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.018 min

Lab File: VX035537.D

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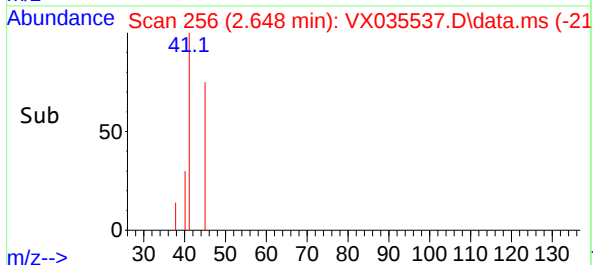
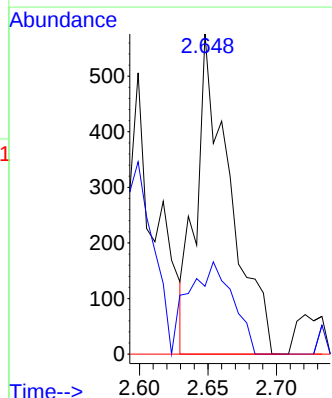
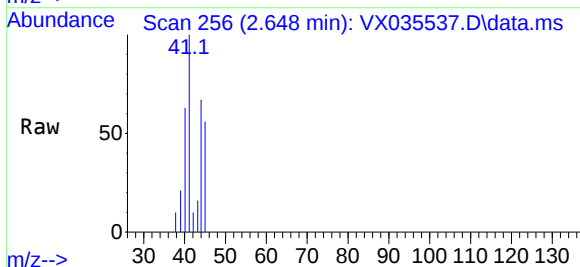
Tgt Ion: 41 Resp: 981

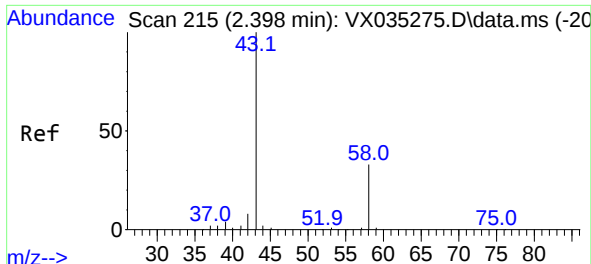
Ion Ratio Lower Upper

41 100

39 37.9 52.4 78.6#

76 0.0 26.0 39.0#

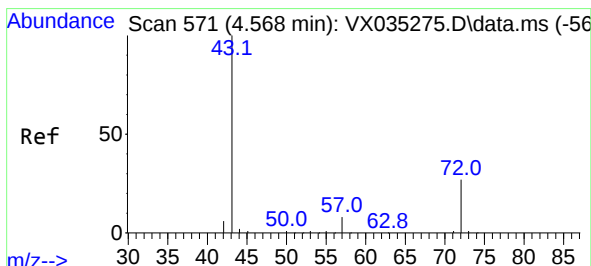
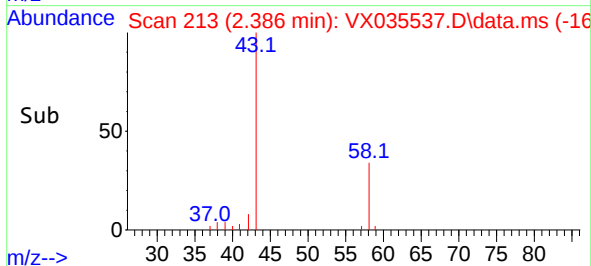
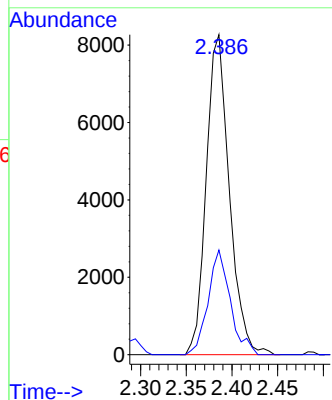
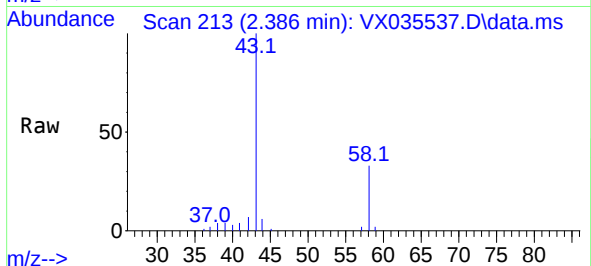




#16
Acetone
Concen: 10.459 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

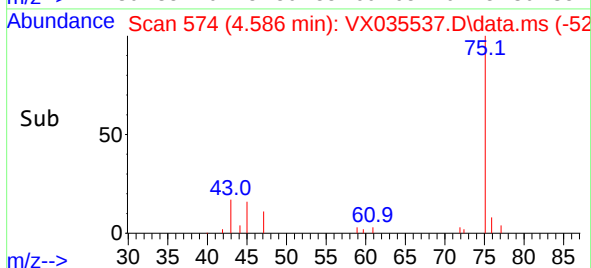
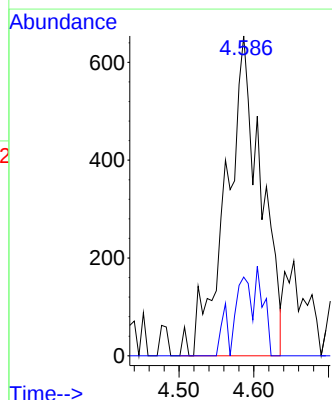
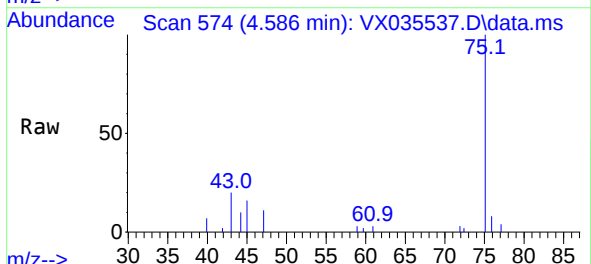
Instrument :
MSVOA_X
ClientSampleId :
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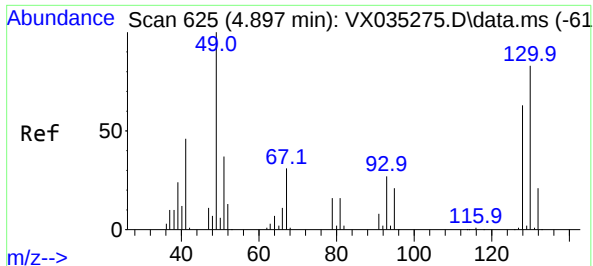
Tgt Ion: 43 Resp: 14505
Ion Ratio Lower Upper
43 100
58 32.7 24.7 37.1



#25
2-Butanone
Concen: 1.046 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Tgt Ion: 43 Resp: 2117
Ion Ratio Lower Upper
43 100
72 24.6 19.3 28.9

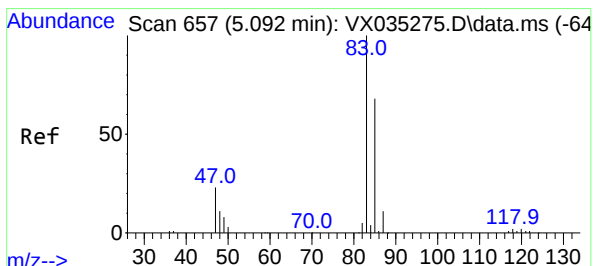
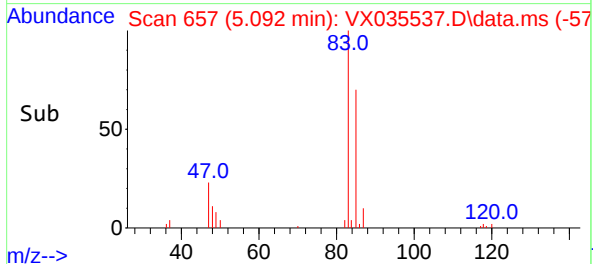
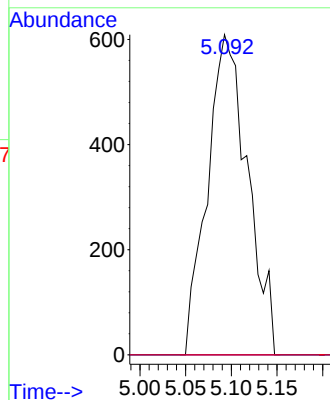
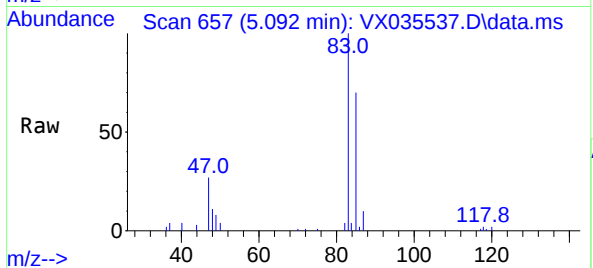




#28
Bromochloromethane
Concen: 0.866 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

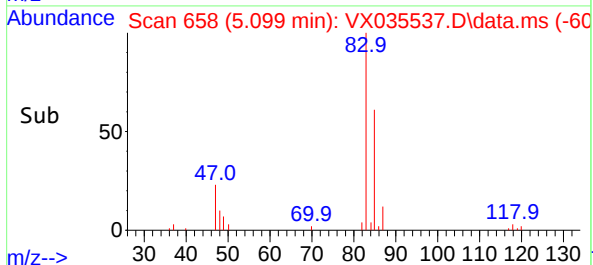
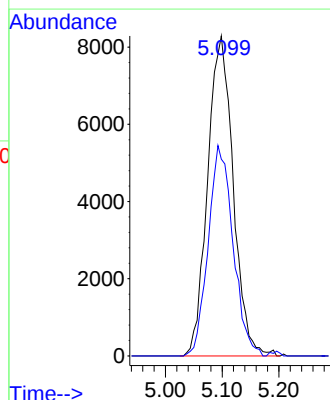
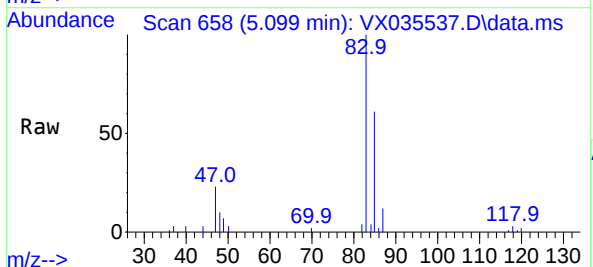
Instrument :
MSVOA_X
ClientSampleId :
001-3

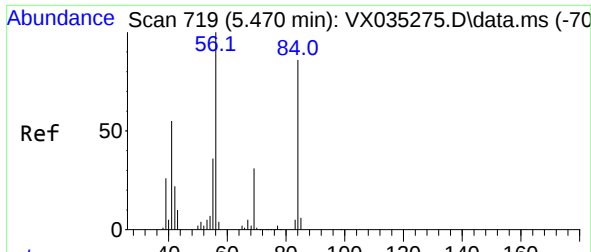
Tgt Ion: 49 Resp: 1861
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#



#30
Chloroform
Concen: 5.100 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.007 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

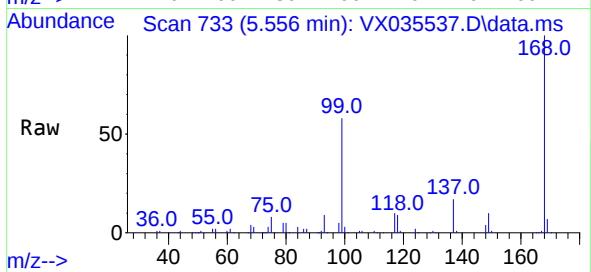
Tgt Ion: 83 Resp: 25963
Ion Ratio Lower Upper
83 100
85 61.5 50.6 76.0



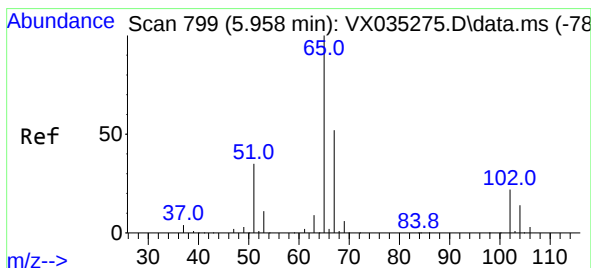
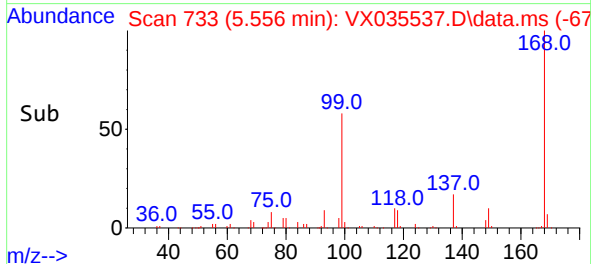
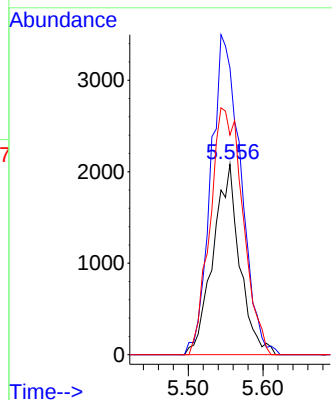


#31
Cyclohexane
Concen: 1.142 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Instrument :
MSVOA_X
ClientSampleId :
001-3

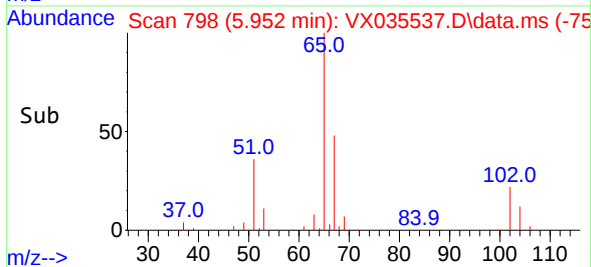
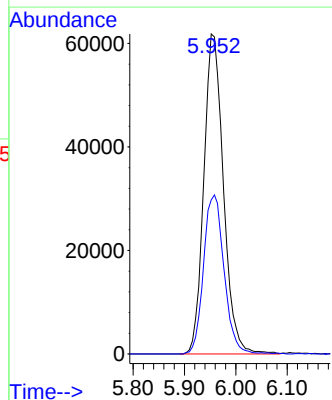
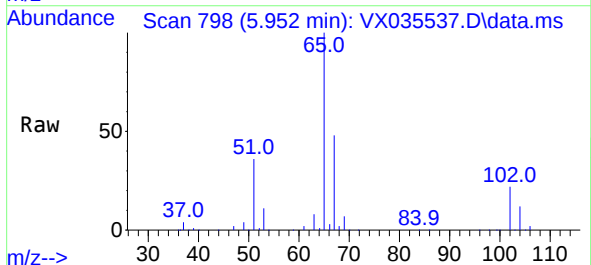


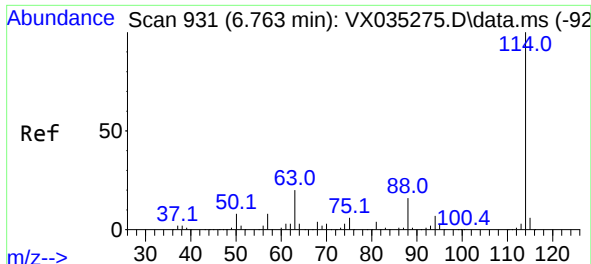
Tgt Ion: 56 Resp: 5173
Ion Ratio Lower Upper
56 100
69 150.6 23.7 35.5#
84 115.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 51.373 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Tgt Ion: 65 Resp: 164045
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX035537.D

Acq: 05 May 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

001-3

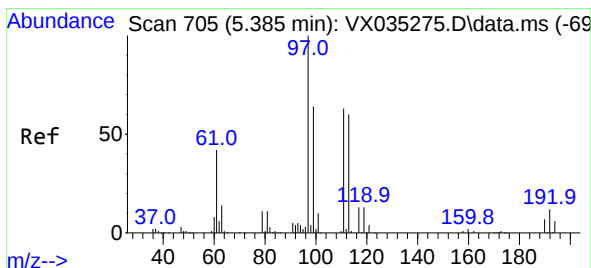
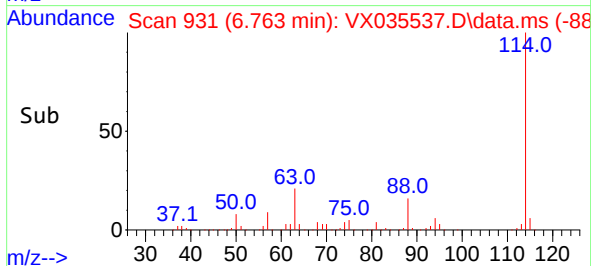
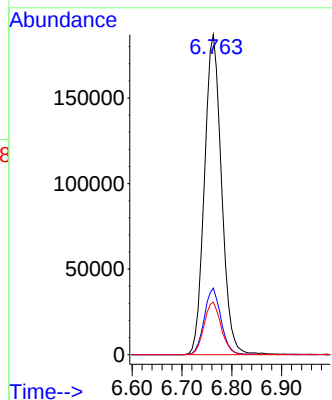
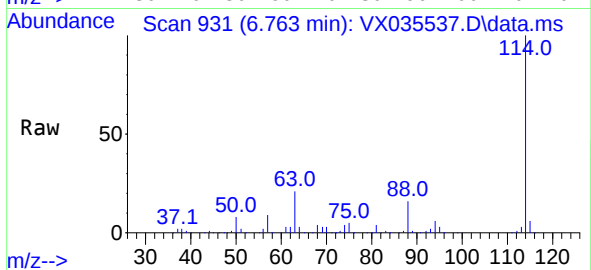
Tgt Ion:114 Resp: 446152

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.2

88 16.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.050 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035537.D

Acq: 05 May 2023 15:38

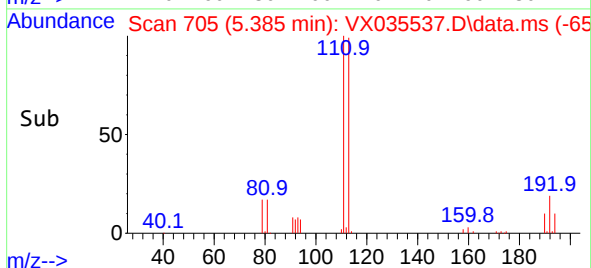
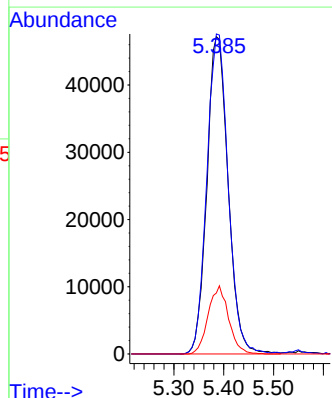
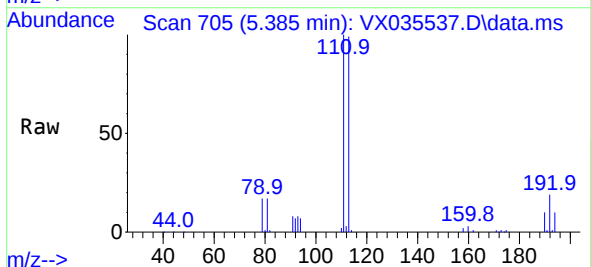
Tgt Ion:113 Resp: 139792

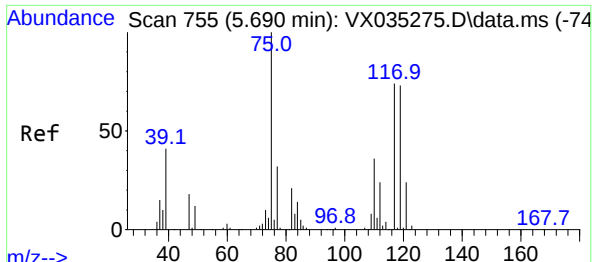
Ion Ratio Lower Upper

113 100

111 101.2 83.7 125.5

192 20.6 15.4 23.2

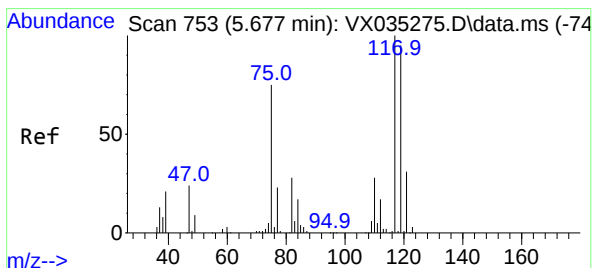
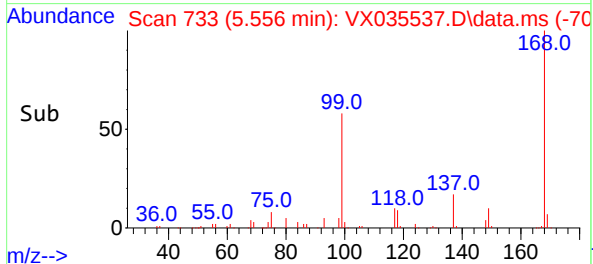
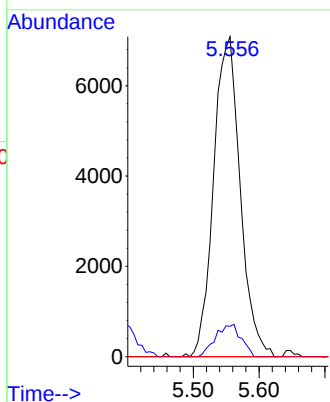
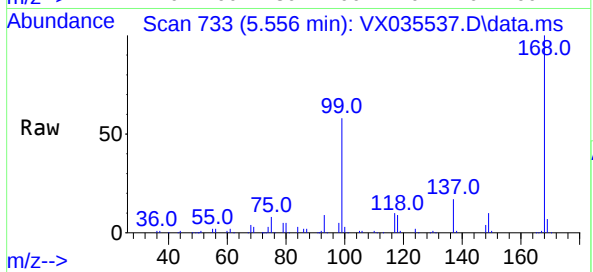




#36
1,1-Dichloropropene
Concen: 4.657 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

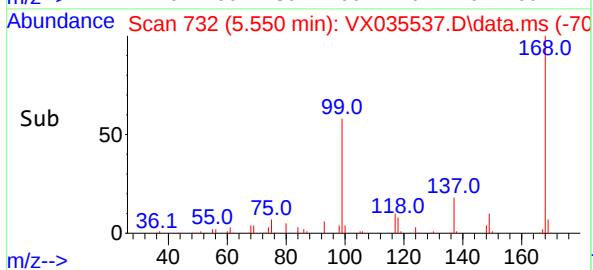
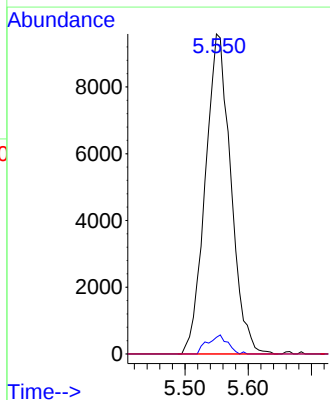
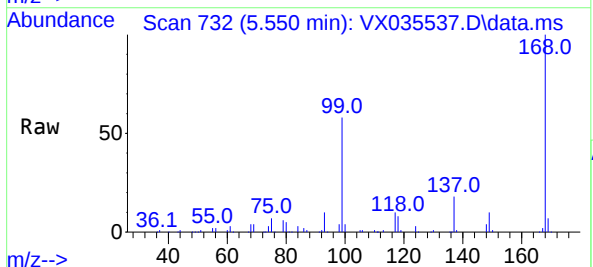
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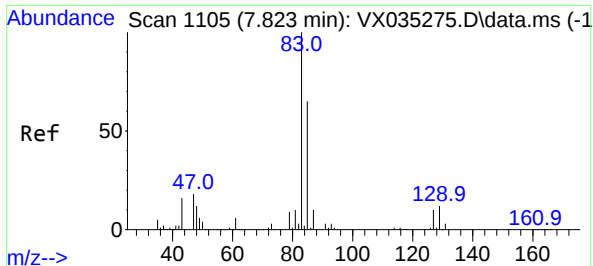
Tgt Ion: 75 Resp: 19914
Ion Ratio Lower Upper
75 100
110 9.7 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.621 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Tgt Ion: 117 Resp: 26874
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 23.8 35.6#

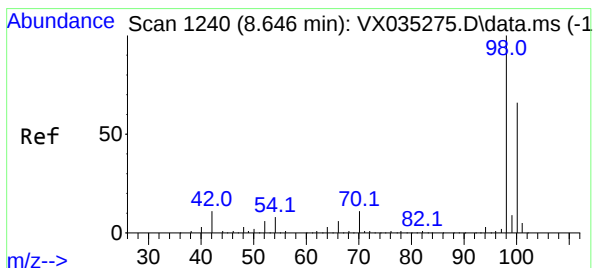
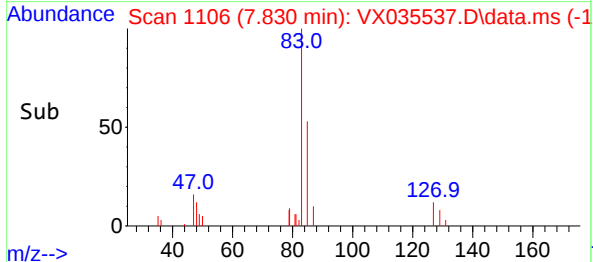
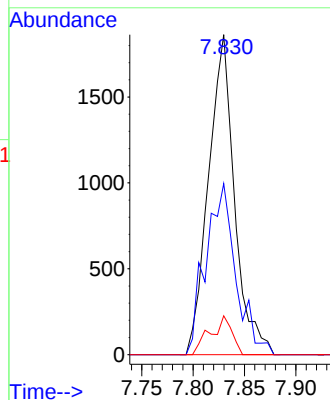
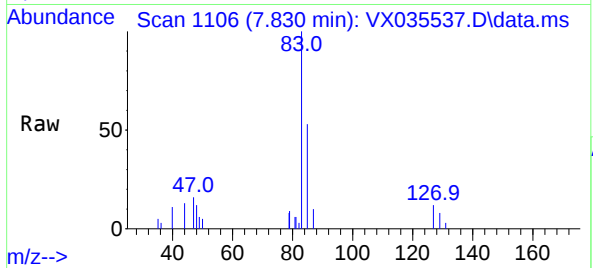




#47
Bromodichloromethane
Concen: 0.838 ug/l
RT: 7.830 min Scan# 1105
Delta R.T. 0.007 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

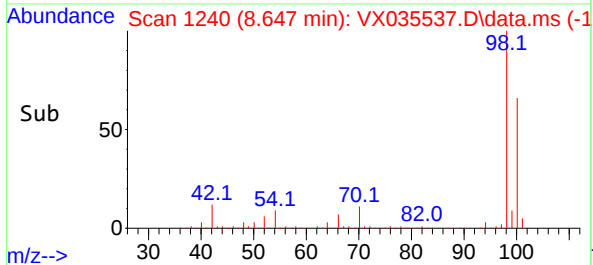
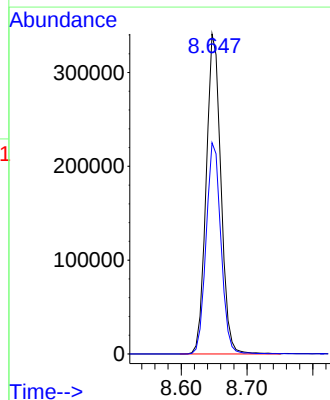
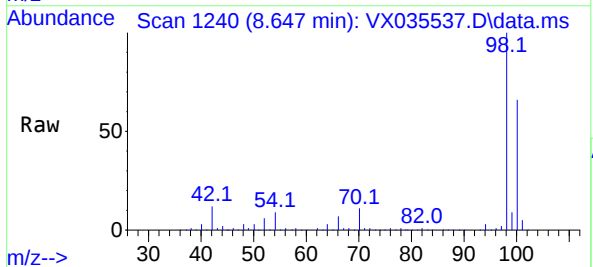
Instrument :
MSVOA_X
ClientSampleId :
001-3

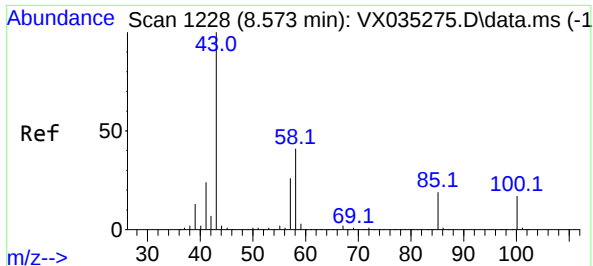
Tgt Ion: 83 Resp: 3280
Ion Ratio Lower Upper
83 100
85 53.5 52.2 78.4
127 12.1 6.6 9.8#



#50
Toluene-d8
Concen: 51.421 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Tgt Ion: 98 Resp: 531179
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7

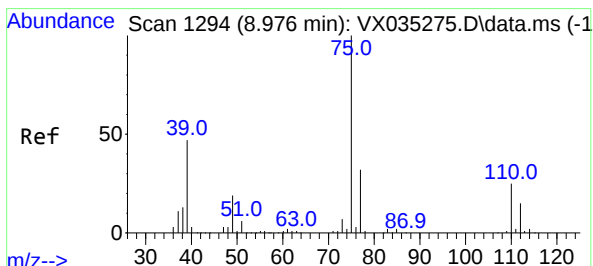
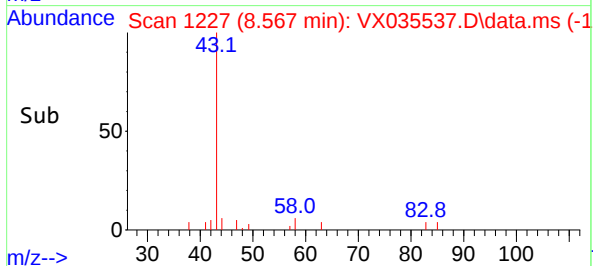
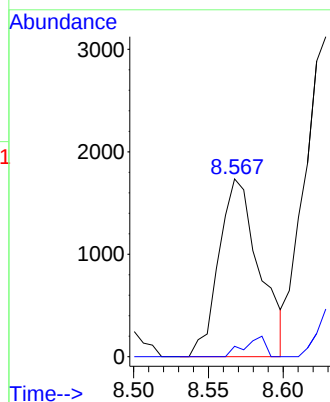
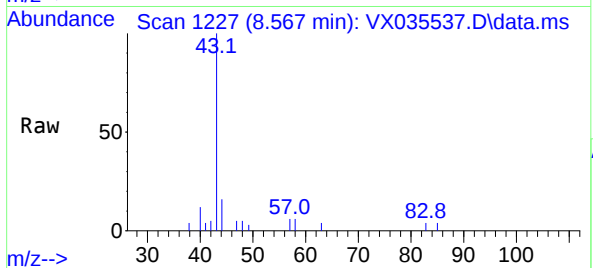




#51
4-Methyl-2-Pentanone
Concen: 0.807 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

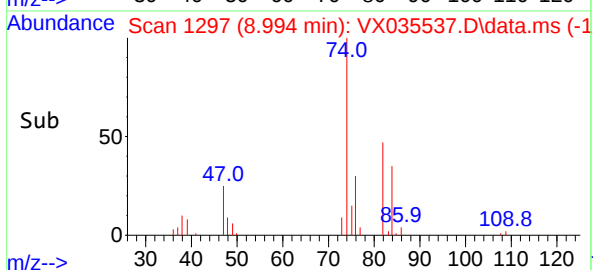
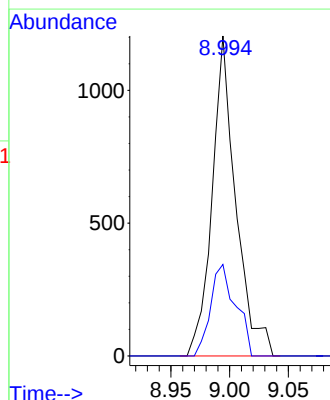
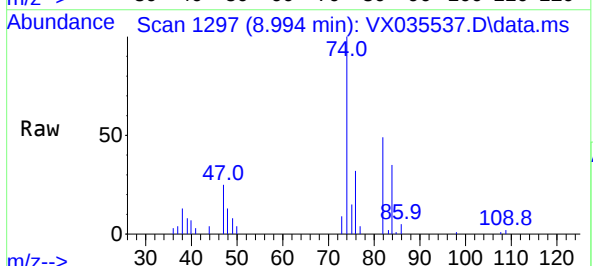
Instrument :
MSVOA_X
ClientSampleId :
001-3

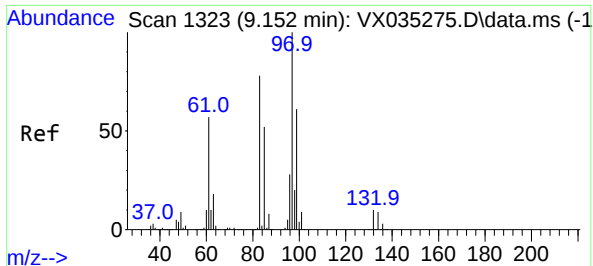
Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
58 5.9 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.415 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Tgt Ion: 75 Resp: 1694
Ion Ratio Lower Upper
75 100
77 28.6 25.4 38.2



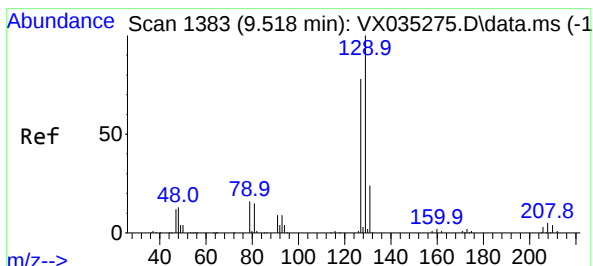
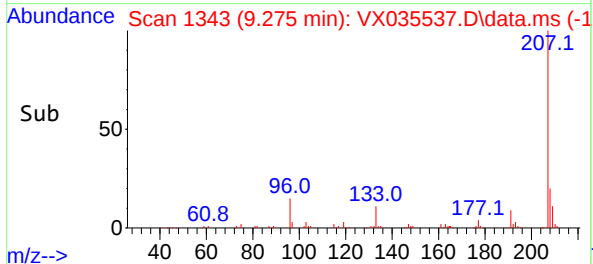
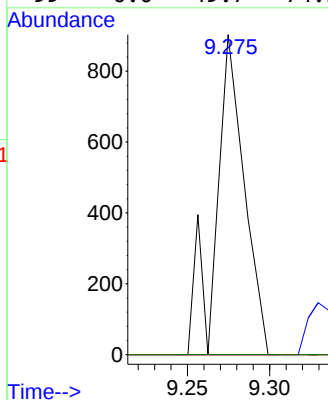
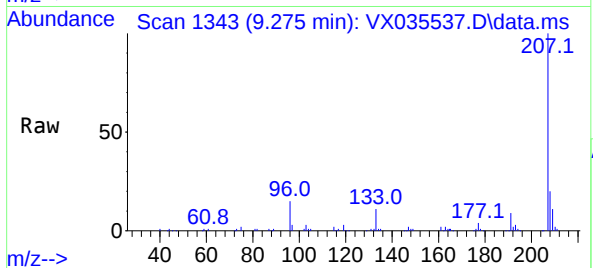


#55
1,1,2-Trichloroethane
Concen: 0.352 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.123 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Instrument :
MSVOA_X
ClientSampleId :
001-3

Tgt Ion: 97 Resp: 1090

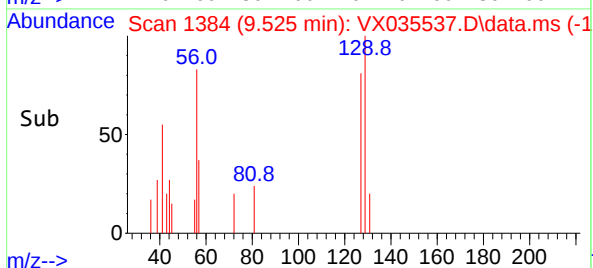
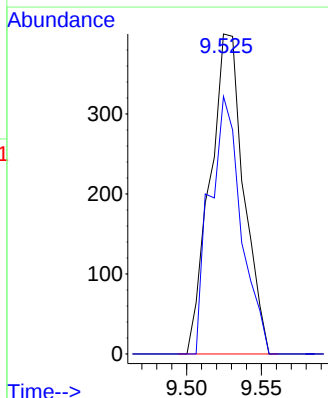
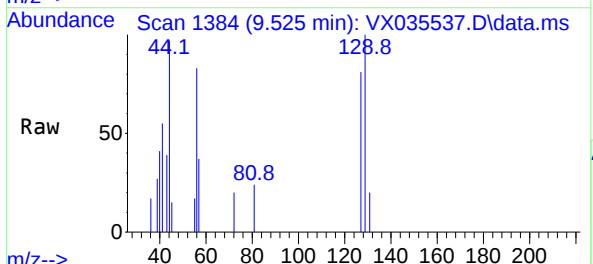
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.7	104.5#
85	0.0	43.7	65.5#
99	0.0	49.7	74.5#

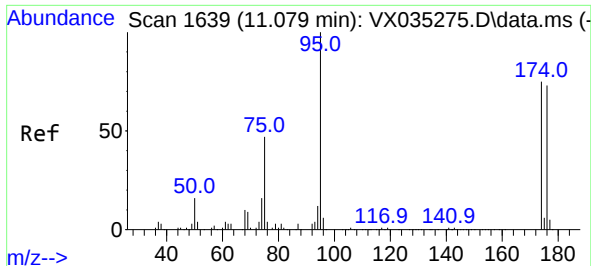


#60
Dibromochloromethane
Concen: 0.211 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.007 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Tgt Ion: 129 Resp: 627

Ion	Ratio	Lower	Upper
129	100		
127	74.8	39.0	117.0

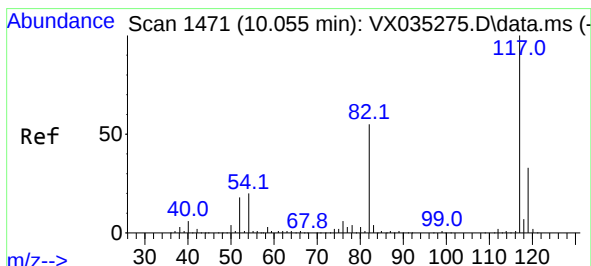
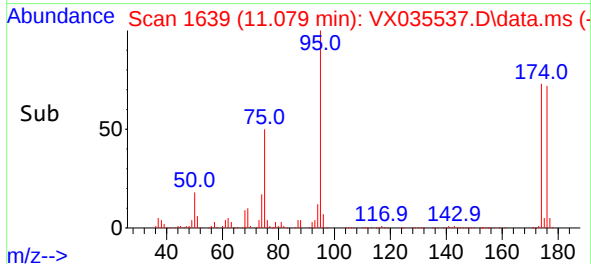
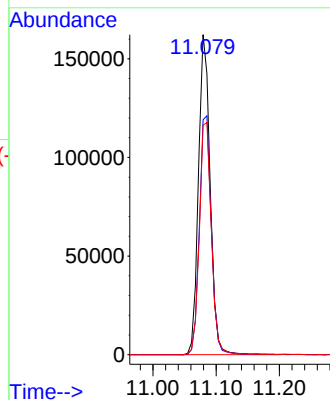
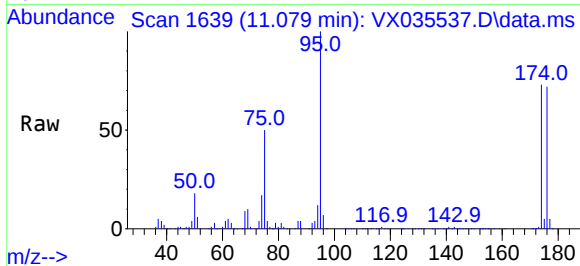




#62
4-Bromofluorobenzene
Concen: 53.850 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

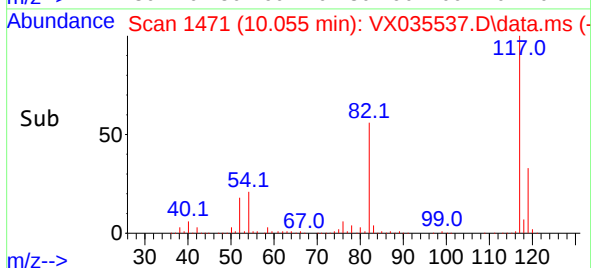
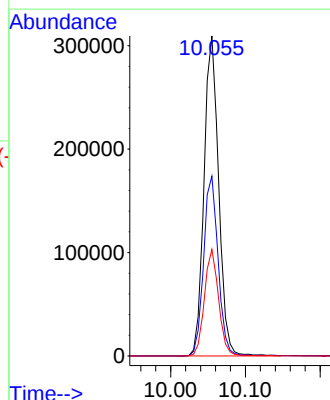
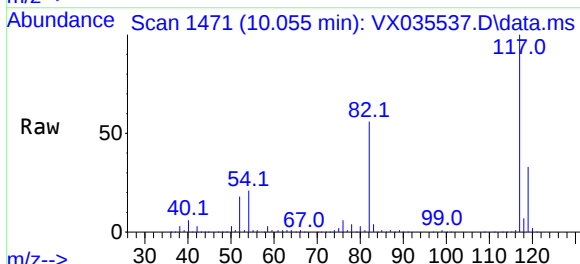
Instrument :
MSVOA_X
ClientSampleId :
001-3

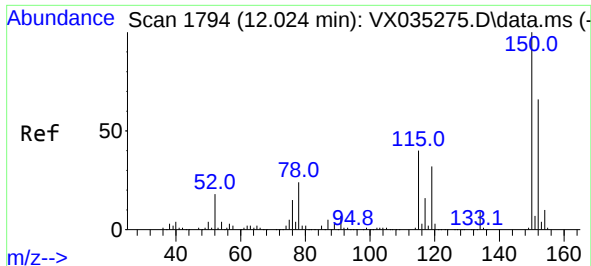
Tgt Ion: 95 Resp: 209259
Ion Ratio Lower Upper
95 100
174 76.5 0.0 147.4
176 74.4 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Tgt Ion: 117 Resp: 420859
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 33.3 26.0 39.0

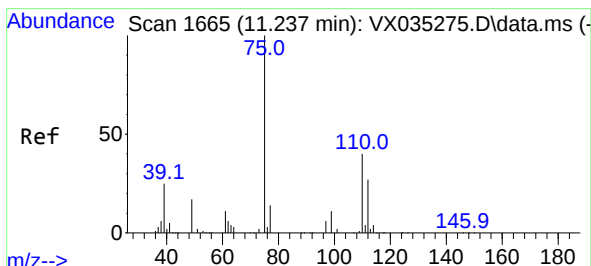
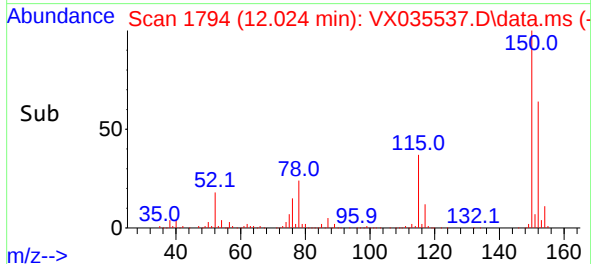
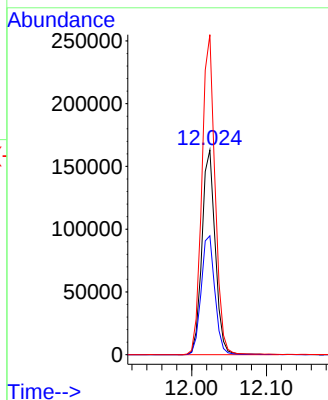
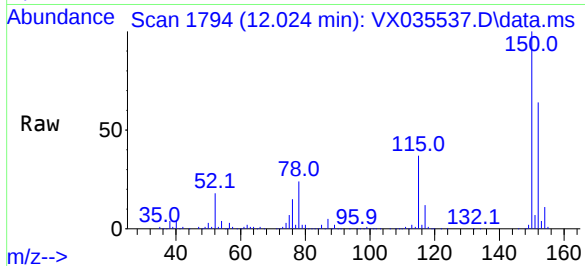




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

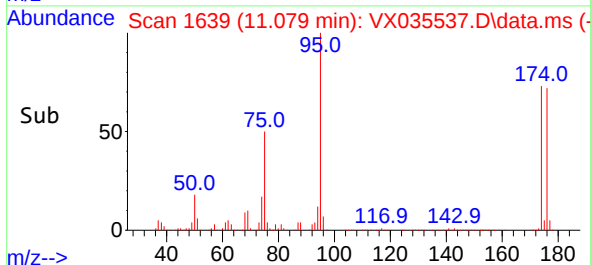
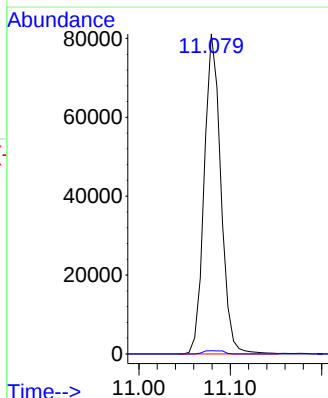
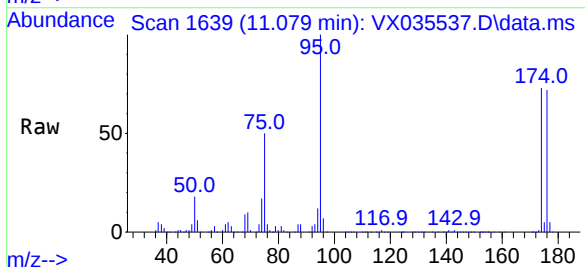
Instrument :
MSVOA_X
ClientSampleId :
001-3

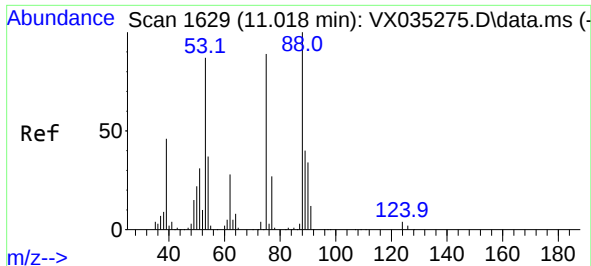
Tgt Ion:152 Resp: 201454
Ion Ratio Lower Upper
152 100
115 60.3 45.0 135.0
150 155.7 0.0 352.4



#76
1,2,3-Trichloropropane
Concen: 25.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Tgt Ion: 75 Resp: 102654
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#

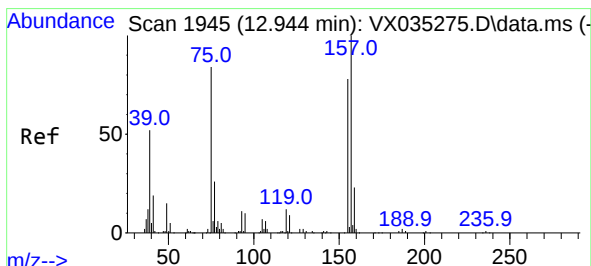
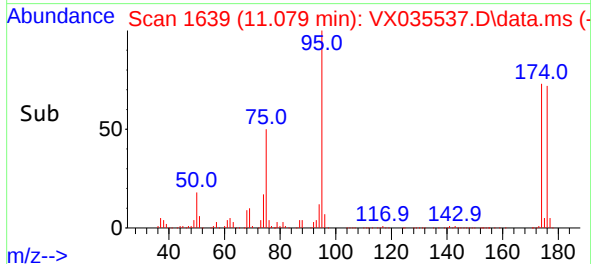
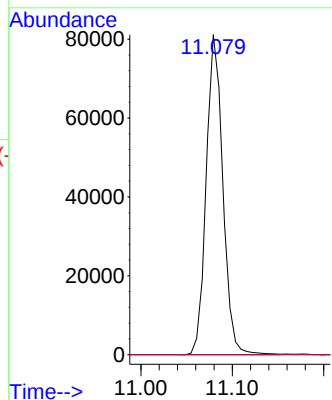
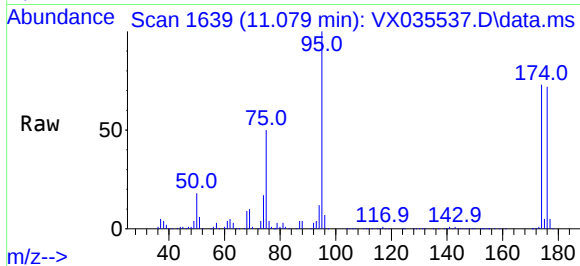




#81
trans-1,4-Dichloro-2-butene
Concen: 82.736 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Instrument :
MSVOA_X
ClientSampleId :
001-3

Tgt Ion: 75 Resp: 102654
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: 0.524 ug/l
RT: 12.768 min Scan# 1916
Delta R.T. -0.176 min
Lab File: VX035537.D
Acq: 05 May 2023 15:38

Tgt Ion: 75 Resp: 480
Ion Ratio Lower Upper
75 100
155 0.0 38.4 115.1#
157 0.0 49.9 149.7#

