

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040725\
 Data File : VX045632.D
 Acq On : 07 Apr 2025 16:31
 Operator : JC/MD
 Sample : Q1746-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-149-GW01

Quant Time: Apr 08 01:36:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

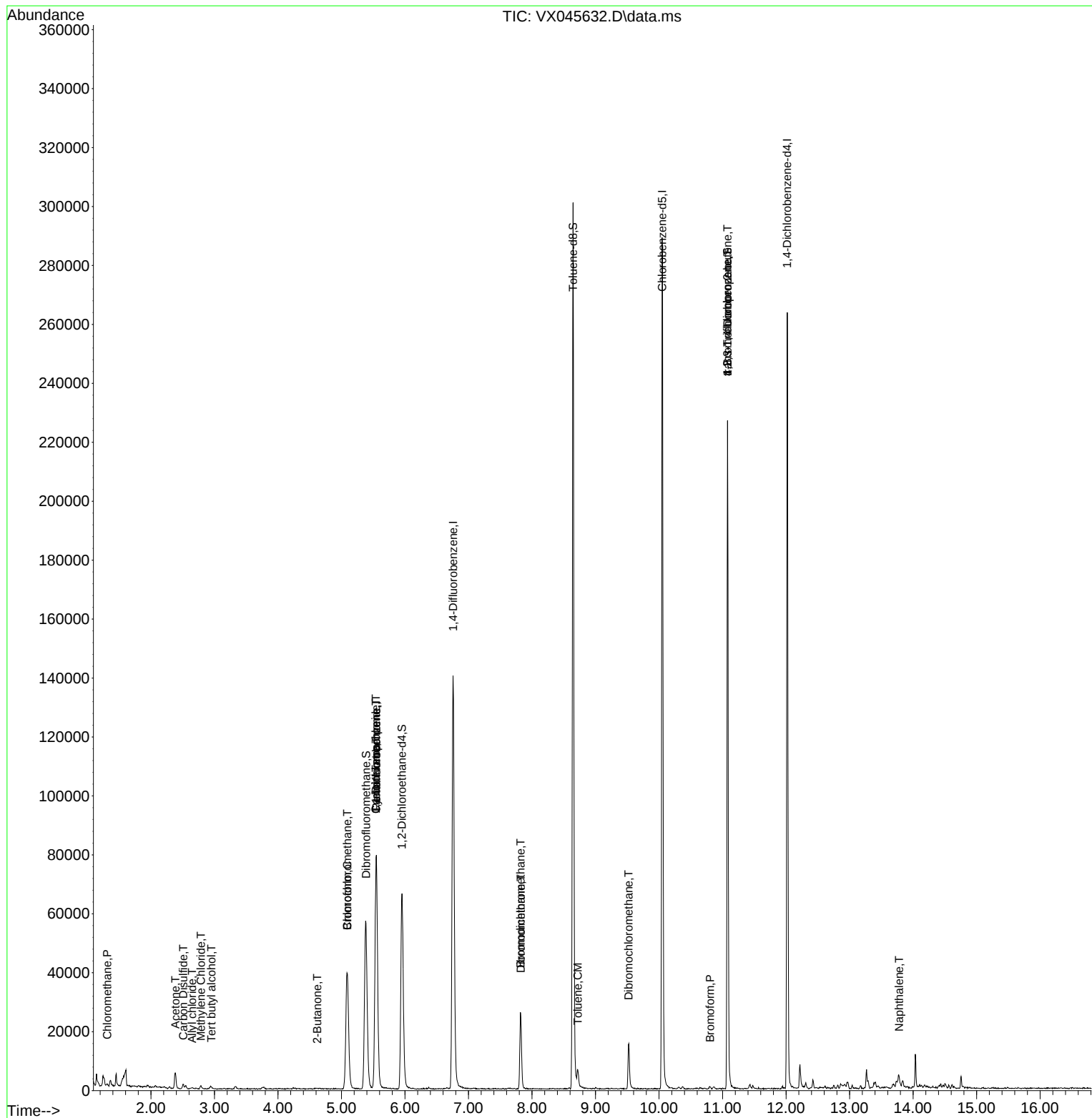
Internal Standards						
1) Pentafluorobenzene	5.550	168	67663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133111	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68932	55.708	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.420%
35) Dibromofluoromethane	5.385	113	48680	51.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.080%
50) Toluene-d8	8.647	98	164404	49.874	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.740%
62) 4-Bromofluorobenzene	11.079	95	59141	49.255	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.500%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	564	0.543	ug/l #	85
11) Tert butyl alcohol	2.953	59	668	4.017	ug/l #	72
14) Allyl chloride	2.648	41	465	0.302	ug/l #	37
16) Acetone	2.386	43	6394	12.584	ug/l	98
17) Carbon Disulfide	2.507	76	2065	1.029	ug/l	95
20) Methylene Chloride	2.788	84	487	0.512	ug/l	89
25) 2-Butanone	4.617	43	408	0.549	ug/l #	52
28) Bromochloromethane	5.092	49	4517	5.444	ug/l #	18
30) Chloroform	5.092	83	47011	26.609	ug/l	95
31) Cyclohexane	5.543	56	2157	1.421	ug/l #	30
36) 1,1-Dichloropropene	5.543	75	6708	5.261	ug/l #	51
38) Carbon Tetrachloride	5.543	117	8069	5.855	ug/l #	16
46) Dibromomethane	7.824	93	563	0.755	ug/l #	9
47) Bromodichloromethane	7.817	83	16355	10.979	ug/l	93
52) Toluene	8.720	92	2167	0.920	ug/l	100
60) Dibromochloromethane	9.518	129	6185	6.042	ug/l	94
71) Bromoform	10.805	173	431	0.644	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	34406	29.218	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34406	99.164	ug/l #	1
95) Naphthalene	13.780	128	2631	0.786	ug/l	100

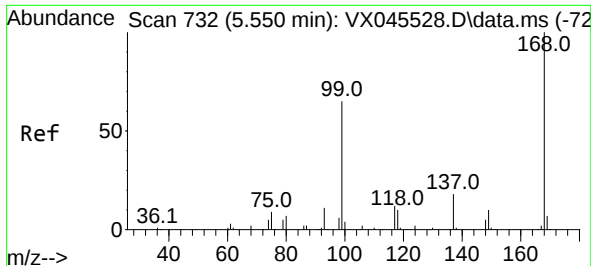
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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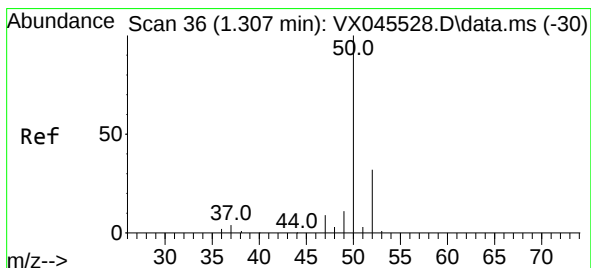
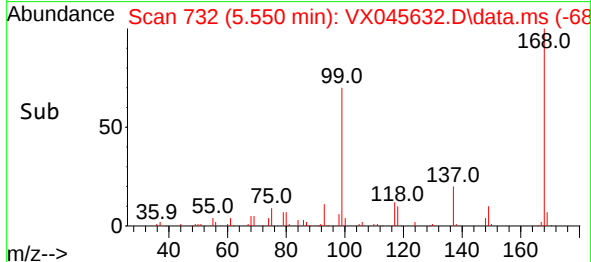
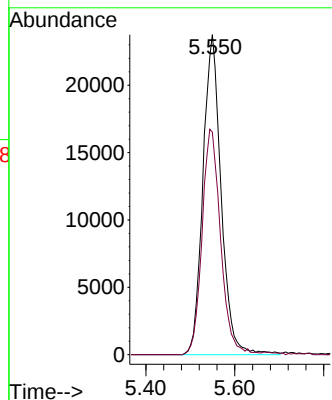
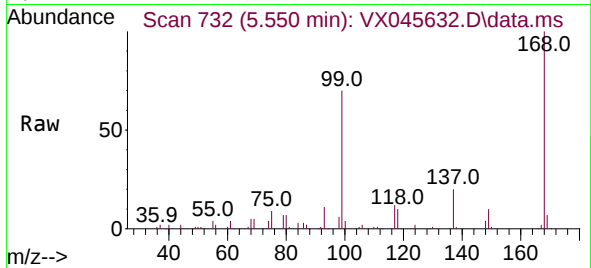




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

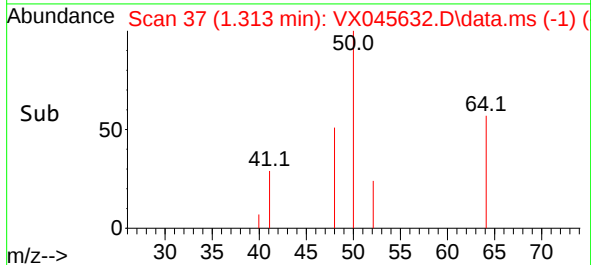
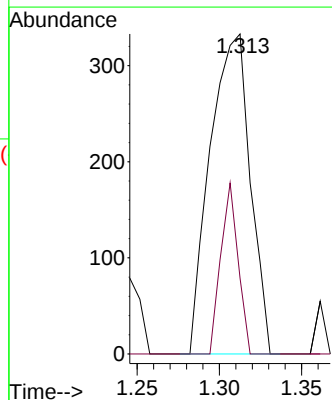
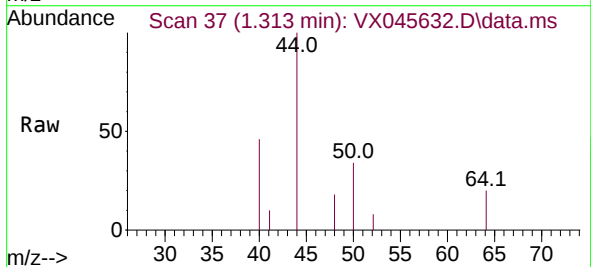
Instrument :
MSVOA_X
ClientSampleId :
B-149-GW01

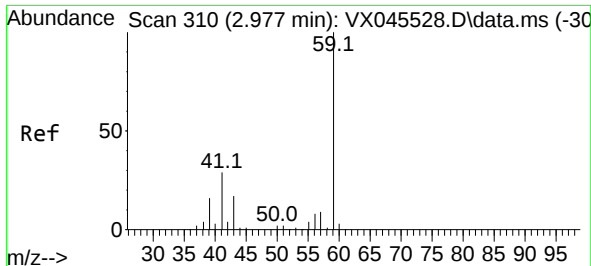
Tgt Ion:168 Resp: 67663
Ion Ratio Lower Upper
168 100
99 69.6 52.3 78.5



#3
Chloromethane
Concen: 0.543 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion: 50 Resp: 564
Ion Ratio Lower Upper
50 100
52 23.7 25.9 38.9#

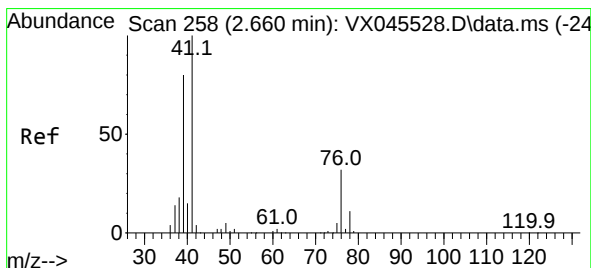
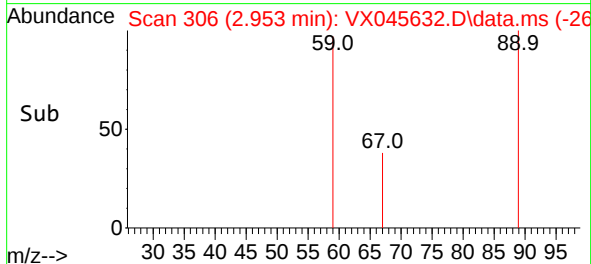
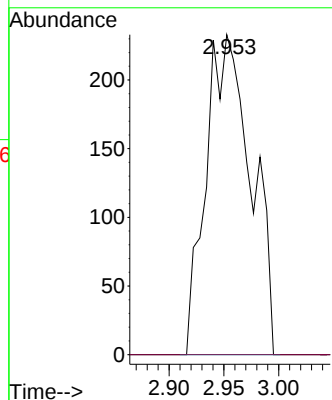
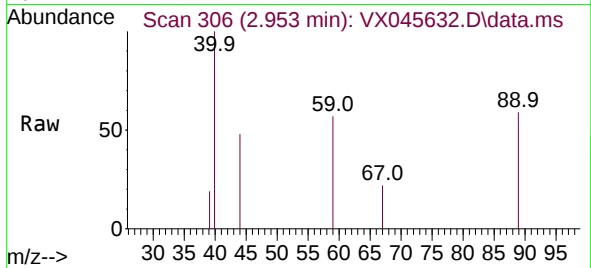




#11
Tert butyl alcohol
Concen: 4.017 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.025 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

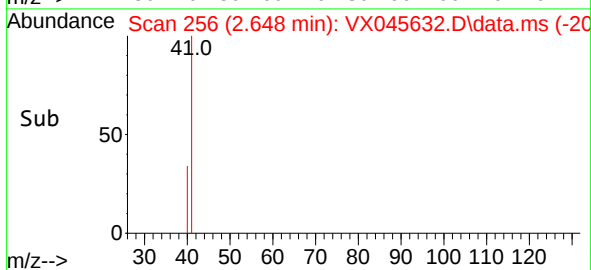
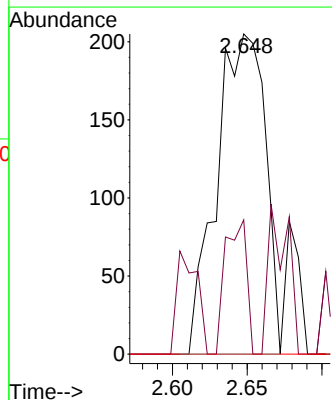
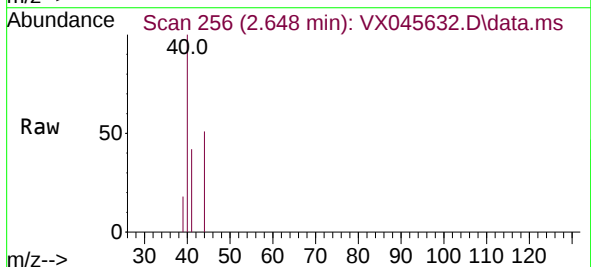
Instrument :
MSVOA_X
ClientSampleId :
B-149-GW01

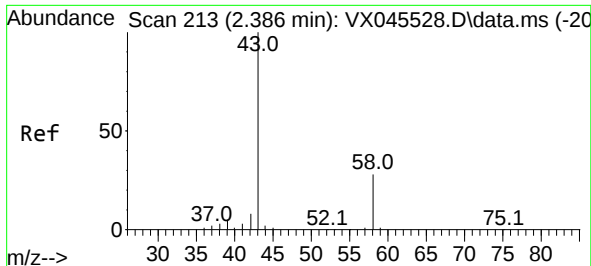
Tgt Ion: 59 Resp: 668
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#14
Allyl chloride
Concen: 0.302 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.012 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion: 41 Resp: 465
Ion Ratio Lower Upper
41 100
39 18.5 60.2 90.2#
76 0.0 24.6 36.8#

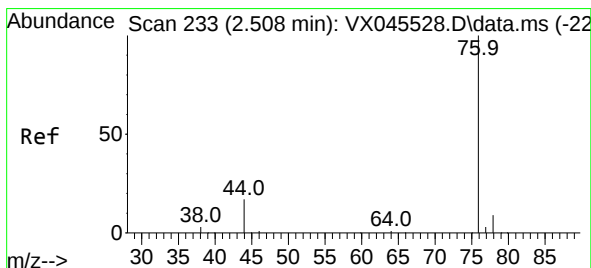
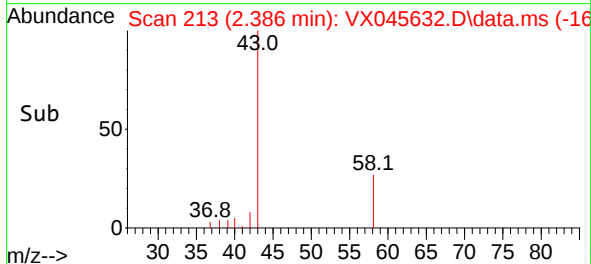
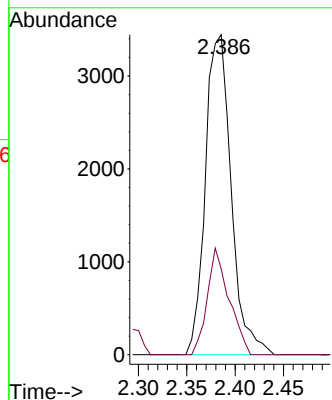
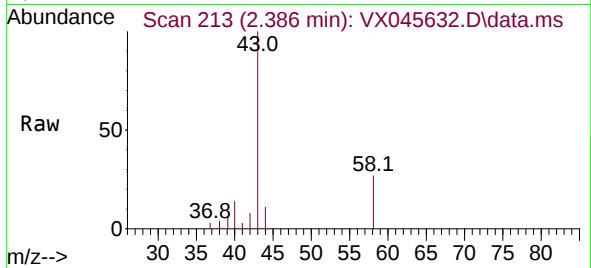




#16
Acetone
Concen: 12.584 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

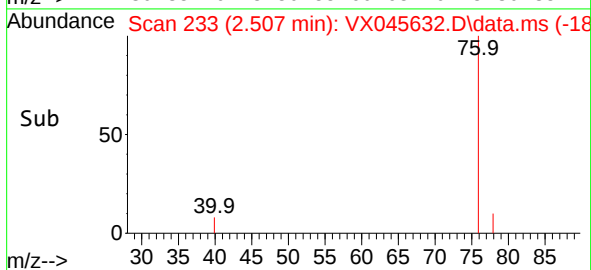
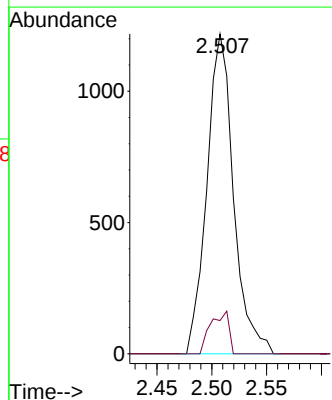
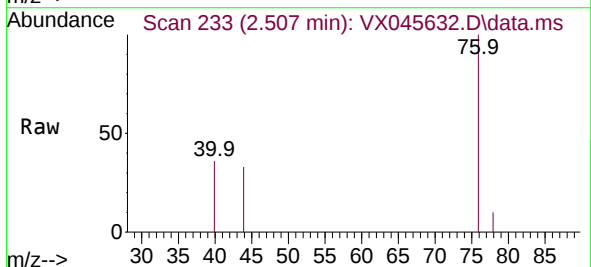
Instrument :
MSVOA_X
ClientSampleId :
B-149-GW01

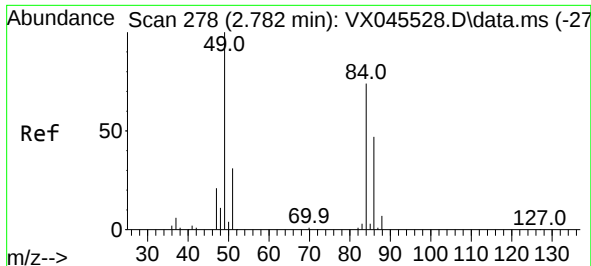
Tgt Ion: 43 Resp: 6394
Ion Ratio Lower Upper
43 100
58 26.9 22.3 33.5



#17
Carbon Disulfide
Concen: 1.029 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion: 76 Resp: 2065
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.6





#20

Methylene Chloride

Concen: 0.512 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045632.D

Acq: 07 Apr 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

B-149-GW01

Tgt Ion: 84 Resp: 487

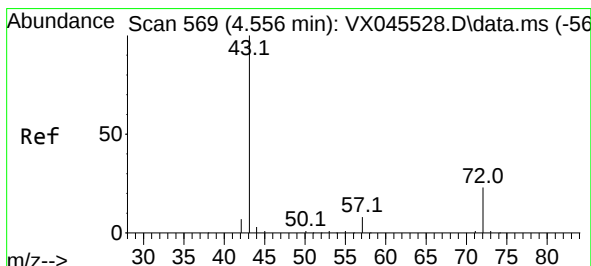
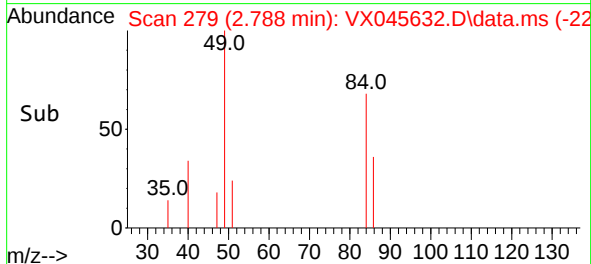
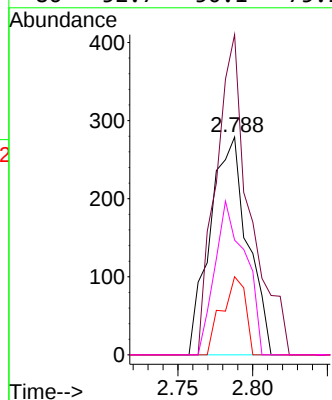
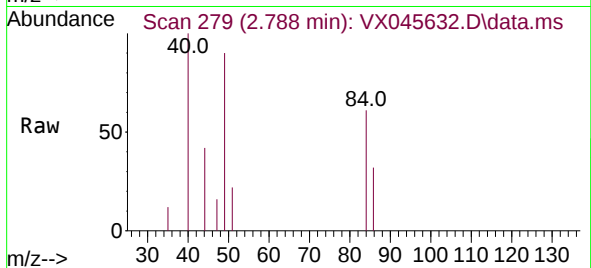
Ion Ratio Lower Upper

84 100

49 147.0 107.5 161.3

51 35.8 33.0 49.6

86 52.7 50.1 75.1



#25

2-Butanone

Concen: 0.549 ug/l

RT: 4.617 min Scan# 579

Delta R.T. 0.061 min

Lab File: VX045632.D

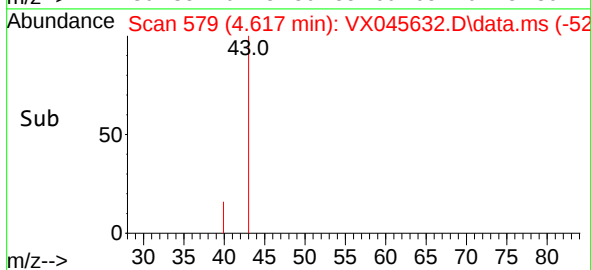
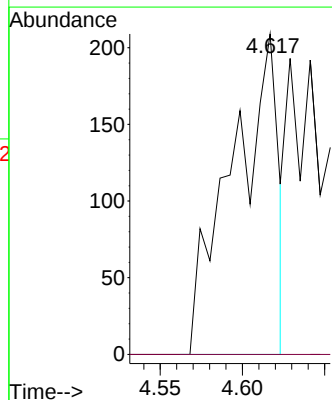
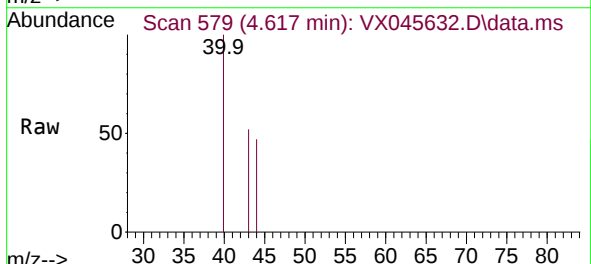
Acq: 07 Apr 2025 16:31

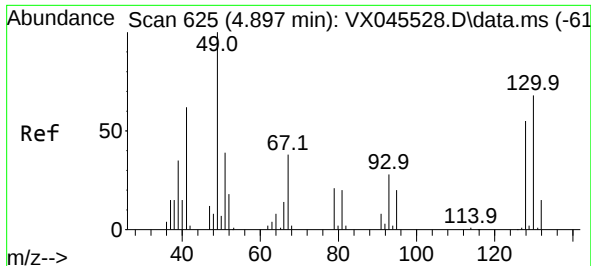
Tgt Ion: 43 Resp: 408

Ion Ratio Lower Upper

43 100

72 0.0 18.6 28.0#

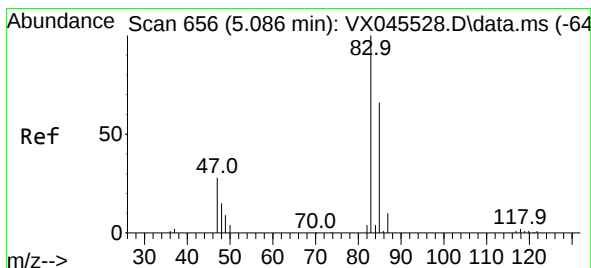
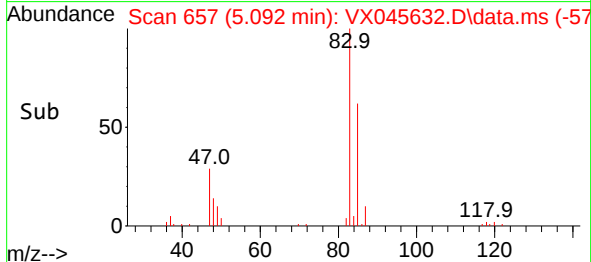
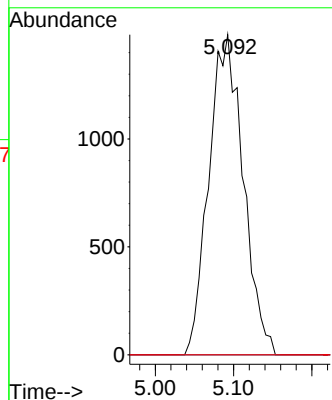
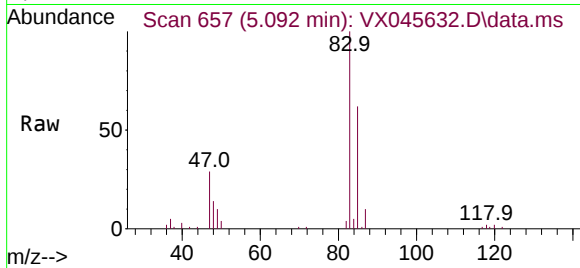




#28
Bromochloromethane
Concen: 5.444 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

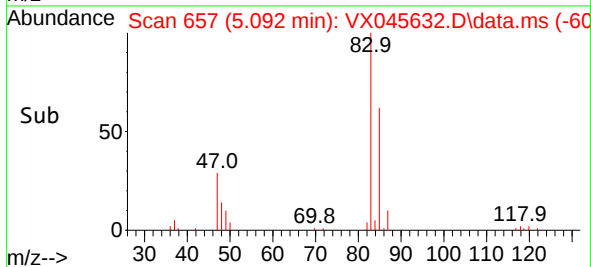
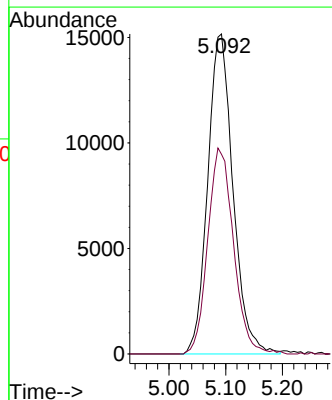
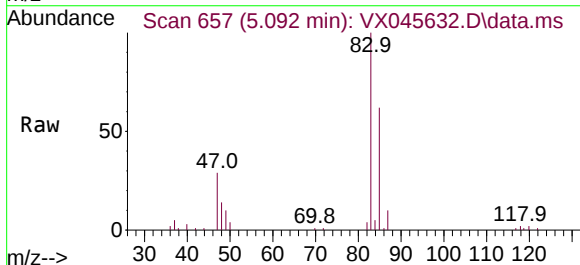
Instrument :
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B-149-GW01

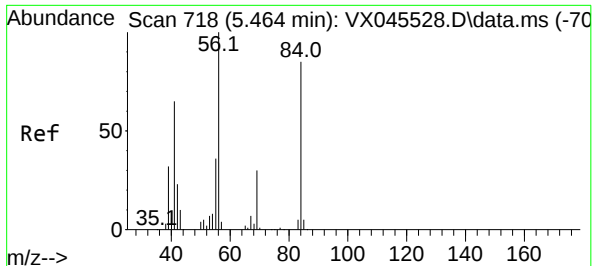
Tgt Ion: 49 Resp: 4517
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 54.6 81.8#



#30
Chloroform
Concen: 26.609 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion: 83 Resp: 47011
Ion Ratio Lower Upper
83 100
85 62.4 52.8 79.2

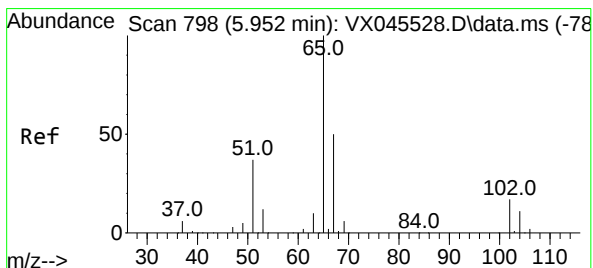
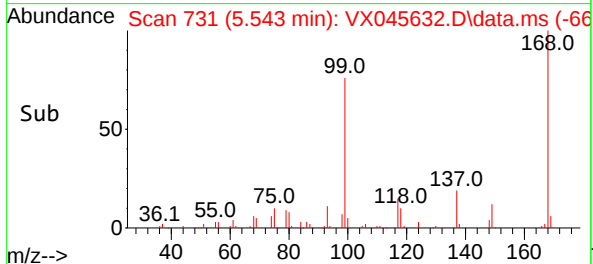
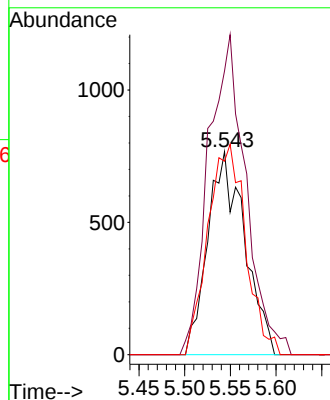
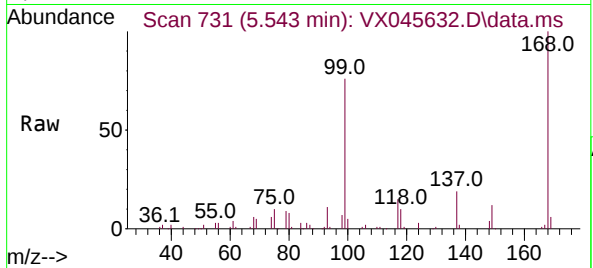




#31
Cyclohexane
Concen: 1.421 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

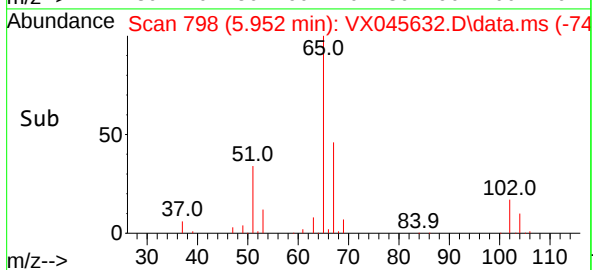
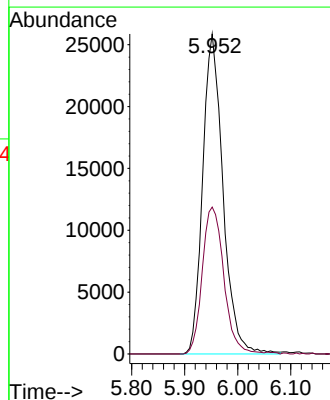
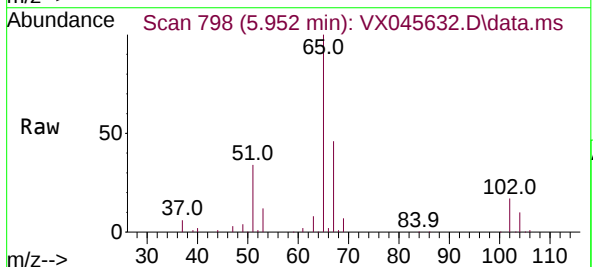
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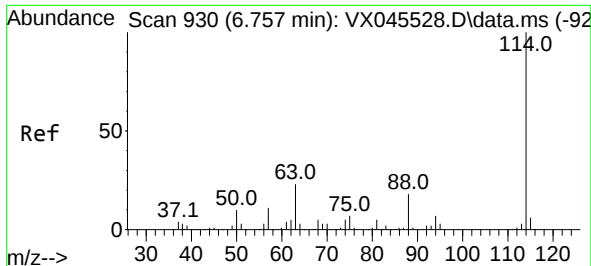
Tgt Ion: 56 Resp: 2157
Ion Ratio Lower Upper
56 100
69 139.8 23.6 35.4#
84 105.6 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 55.708 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion: 65 Resp: 68932
Ion Ratio Lower Upper
65 100
67 48.7 0.0 99.0

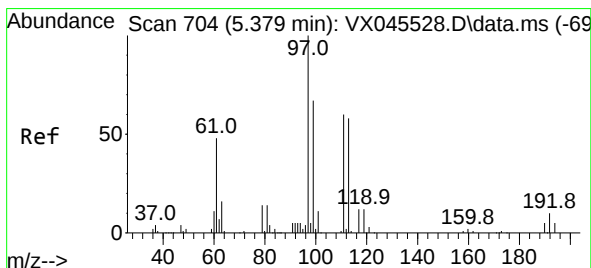
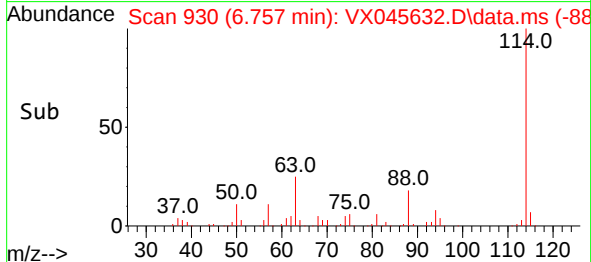
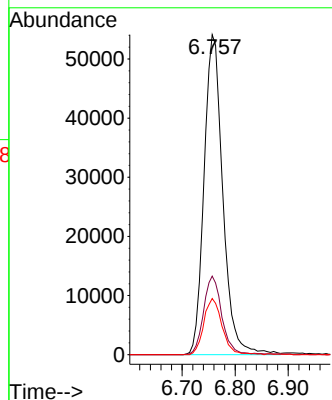
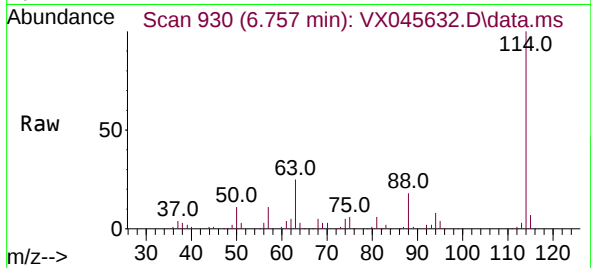




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

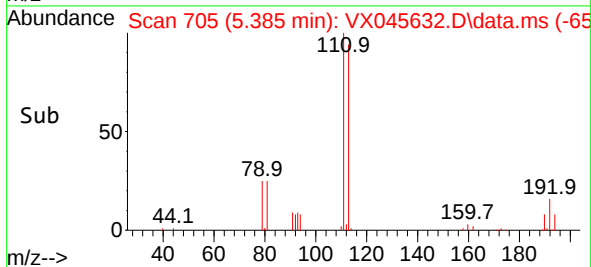
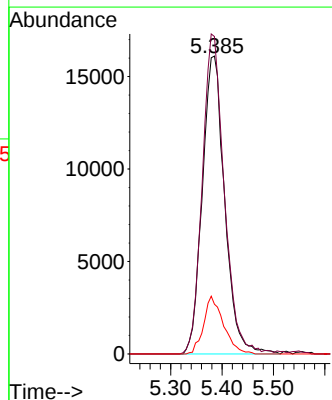
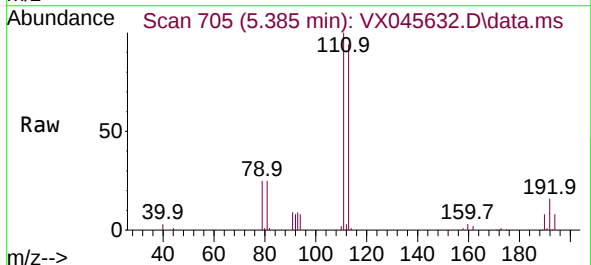
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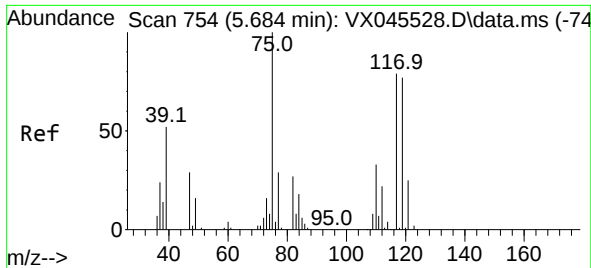
Tgt Ion:114 Resp: 133111
Ion Ratio Lower Upper
114 100
63 24.6 0.0 46.8
88 17.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.545 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion:113 Resp: 48680
Ion Ratio Lower Upper
113 100
111 105.4 81.8 122.6
192 17.2 13.8 20.6

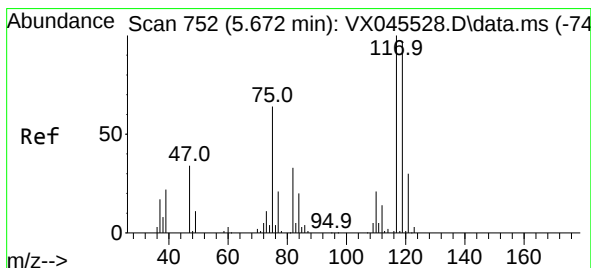
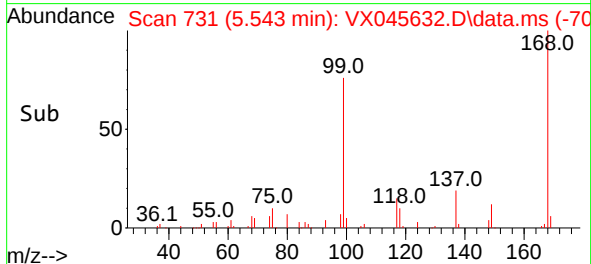
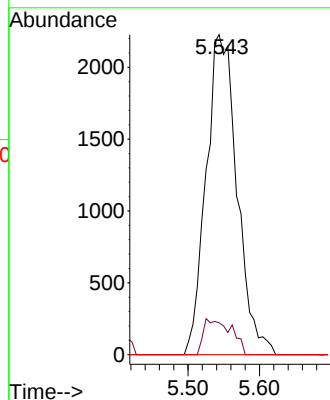
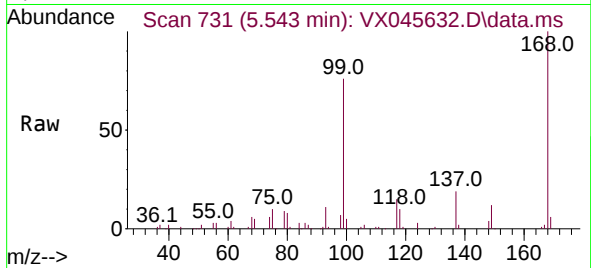




#36
1,1-Dichloropropene
Concen: 5.261 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

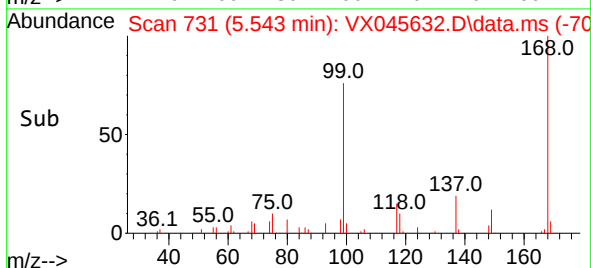
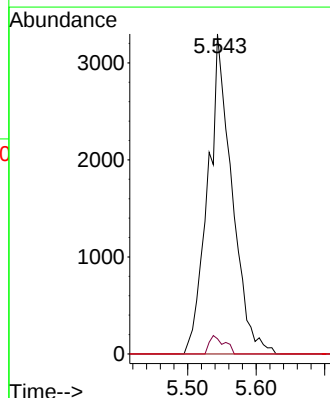
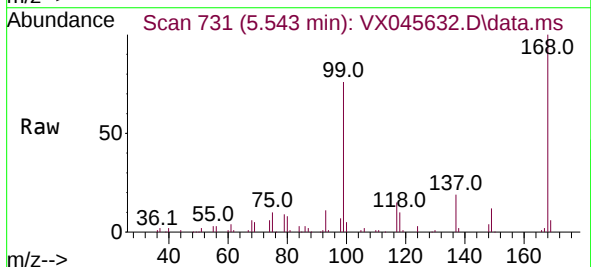
Instrument :
MSVOA_X
ClientSampleId :
B-149-GW01

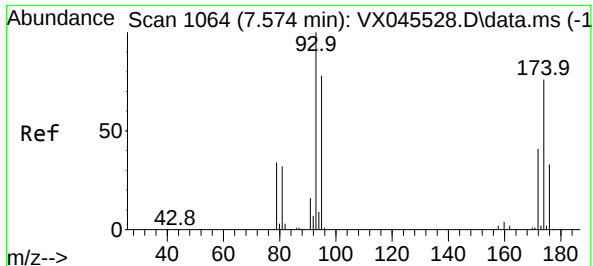
Tgt Ion: 75 Resp: 6708
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.855 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion: 117 Resp: 8069
Ion Ratio Lower Upper
117 100
119 4.7 76.9 115.3#
121 0.0 24.2 36.2#

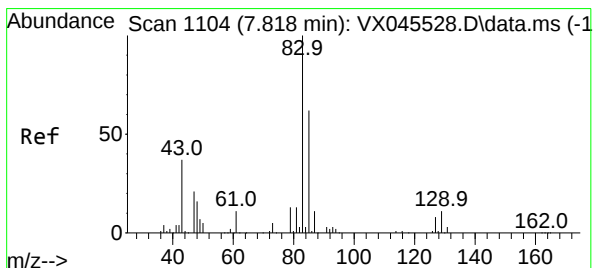
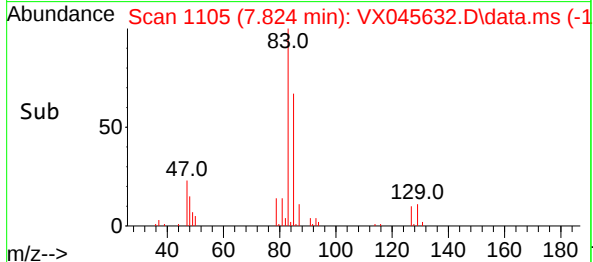
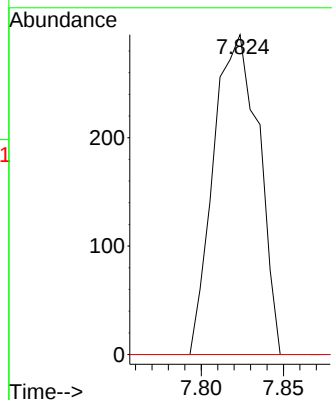
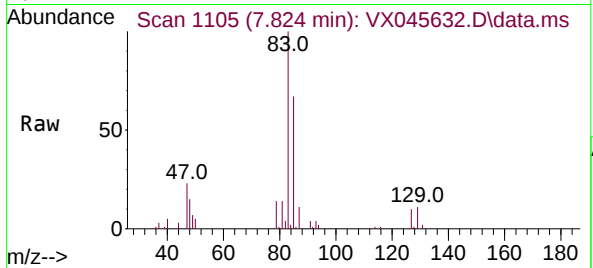




#46
Dibromomethane
Concen: 0.755 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.250 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

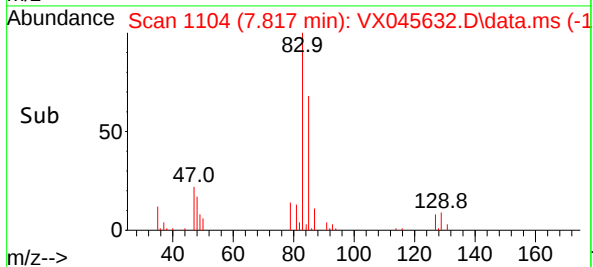
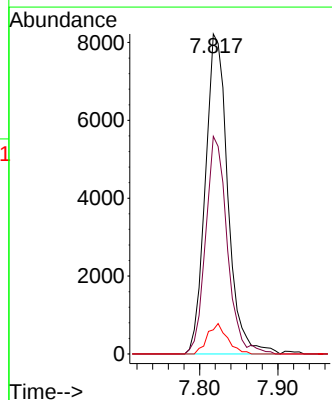
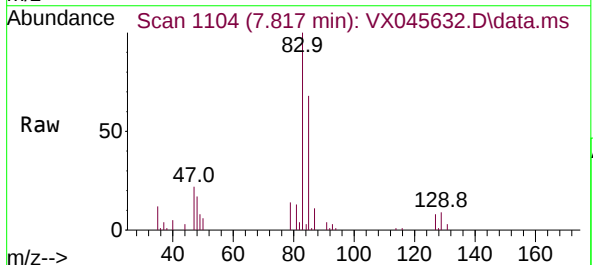
Instrument :
MSVOA_X
ClientSampleId :
B-149-GW01

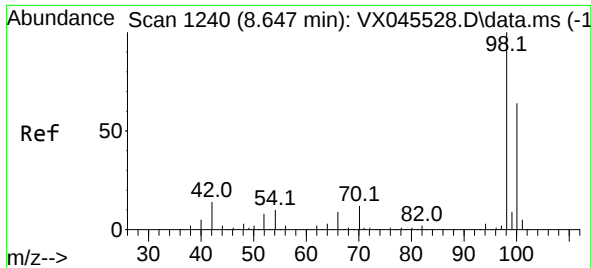
Tgt Ion: 93 Resp: 563
Ion Ratio Lower Upper
93 100
95 0.0 64.8 97.2#
174 0.0 65.4 98.0#



#47
Bromodichloromethane
Concen: 10.979 ug/l
RT: 7.817 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion: 83 Resp: 16355
Ion Ratio Lower Upper
83 100
85 68.0 49.7 74.5
127 7.5 6.1 9.1

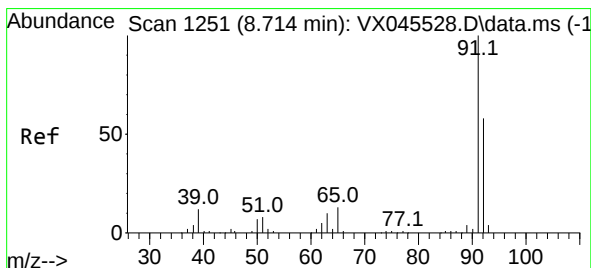
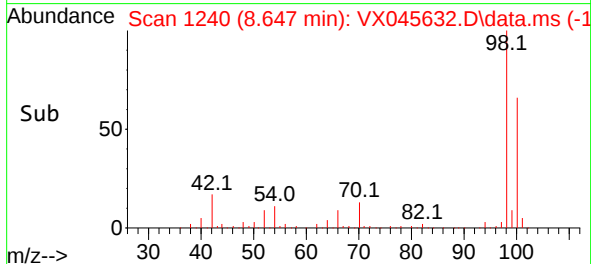
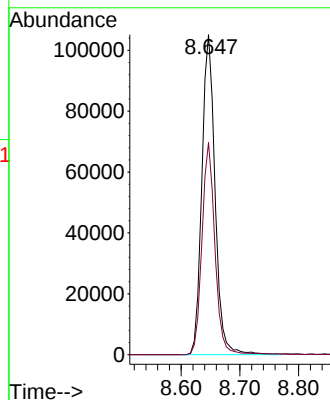
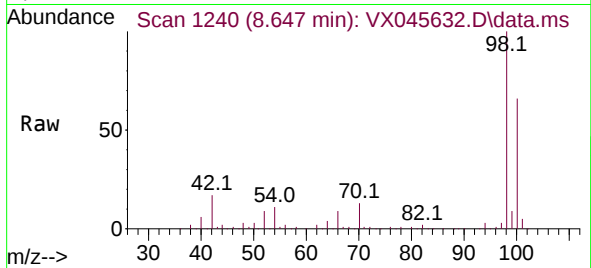




#50
Toluene-d8
Concen: 49.874 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

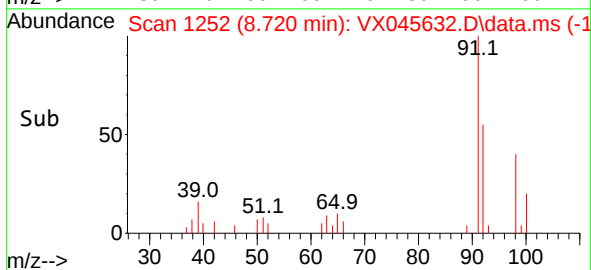
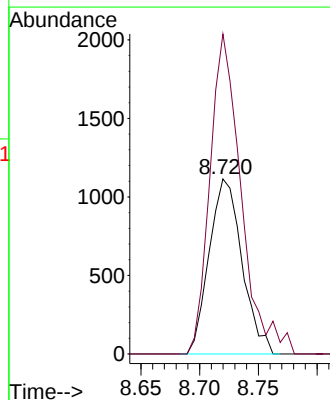
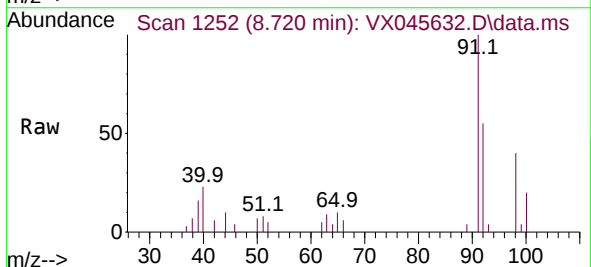
Instrument :
MSVOA_X
ClientSampleId :
B-149-GW01

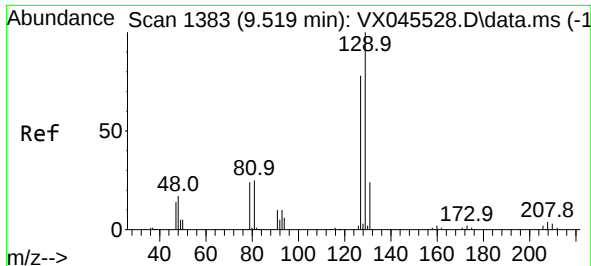
Tgt Ion: 98 Resp: 164404
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#52
Toluene
Concen: 0.920 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion: 92 Resp: 2167
Ion Ratio Lower Upper
92 100
91 173.7 138.7 208.1





#60

Dibromochloromethane

Concen: 6.042 ug/l

RT: 9.518 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045632.D

Acq: 07 Apr 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

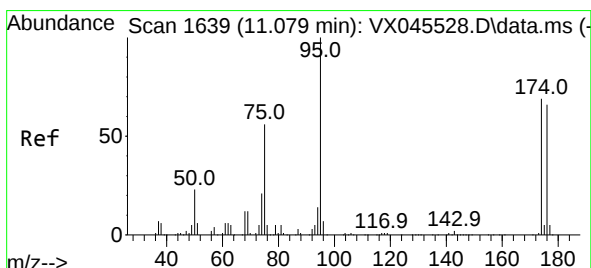
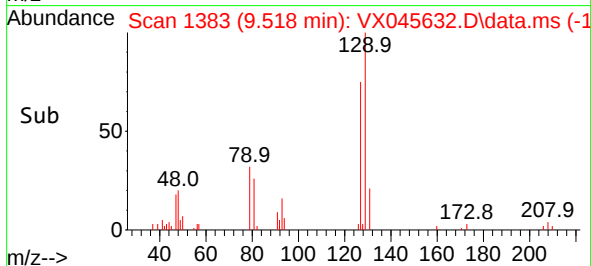
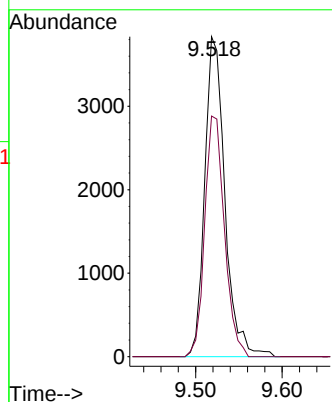
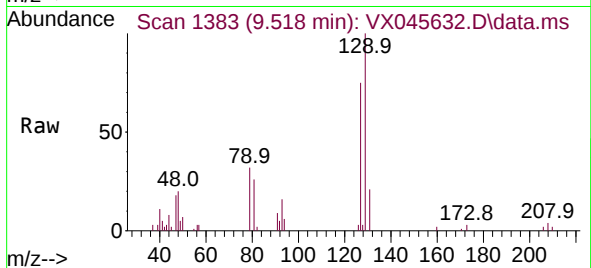
B-149-GW01

Tgt Ion:129 Resp: 6185

Ion Ratio Lower Upper

129 100

127 73.6 39.4 118.2



#62

4-Bromofluorobenzene

Concen: 49.255 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045632.D

Acq: 07 Apr 2025 16:31

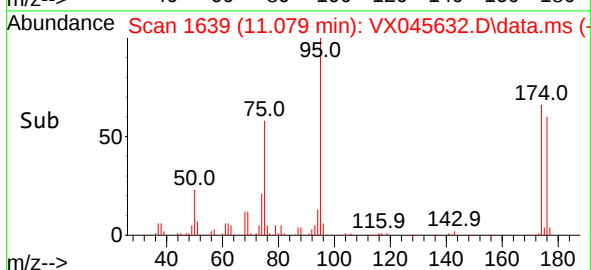
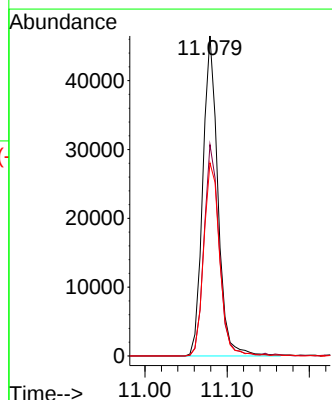
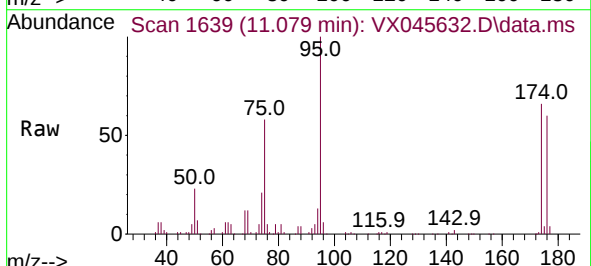
Tgt Ion: 95 Resp: 59141

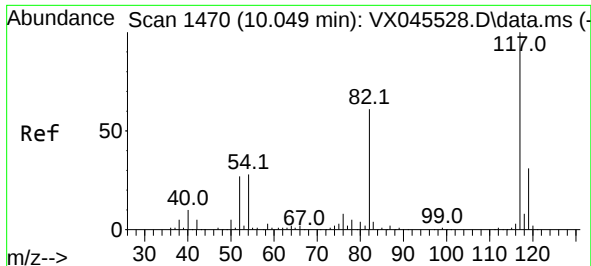
Ion Ratio Lower Upper

95 100

174 66.3 0.0 135.8

176 64.2 0.0 131.4

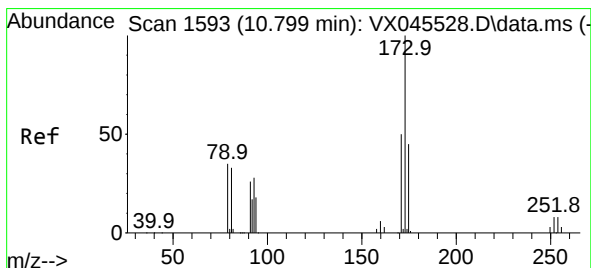
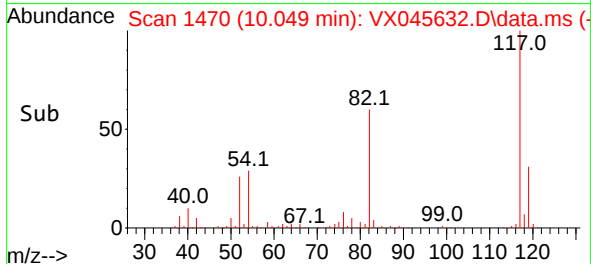
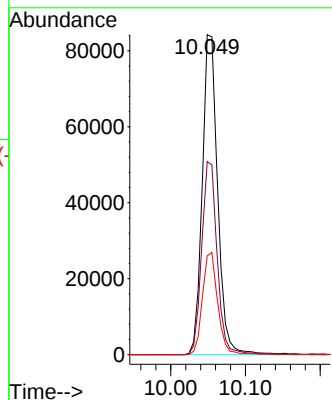
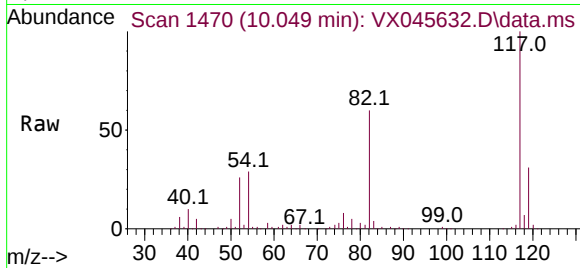




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

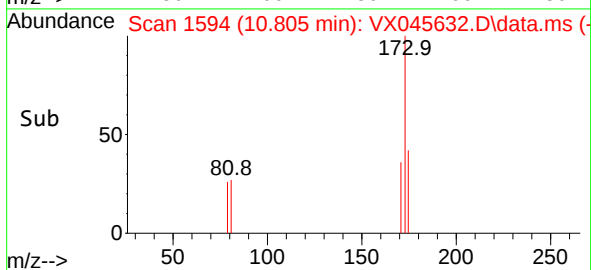
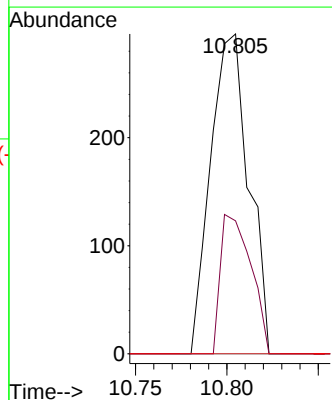
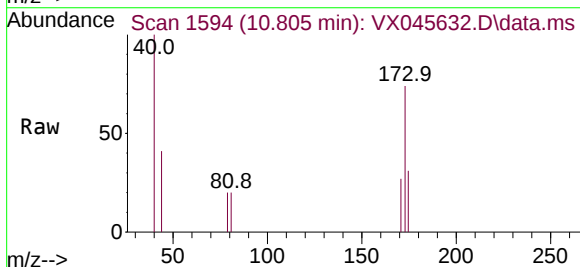
Instrument :
MSVOA_X
ClientSampleId :
B-149-GW01

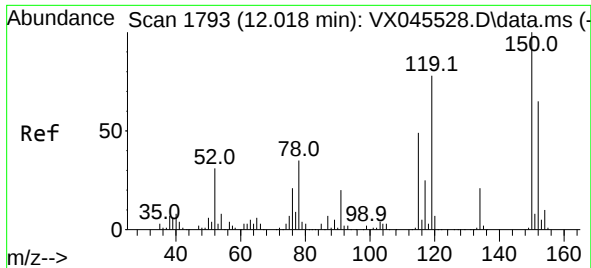
Tgt Ion:117 Resp: 120863
Ion Ratio Lower Upper
117 100
82 60.4 49.2 73.8
119 30.9 25.1 37.7



#71
Bromoform
Concen: 0.644 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion:173 Resp: 431
Ion Ratio Lower Upper
173 100
175 34.6 23.4 70.2
254 0.0 0.0 0.0

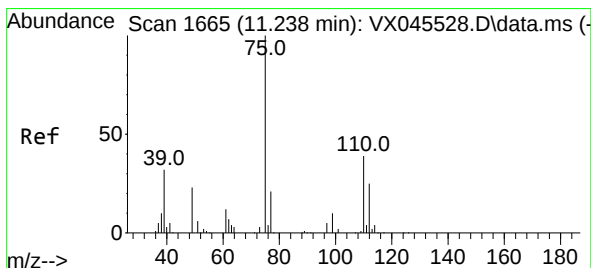
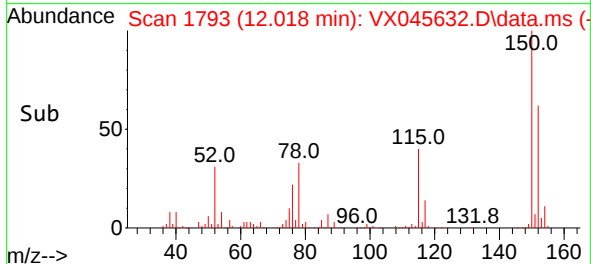
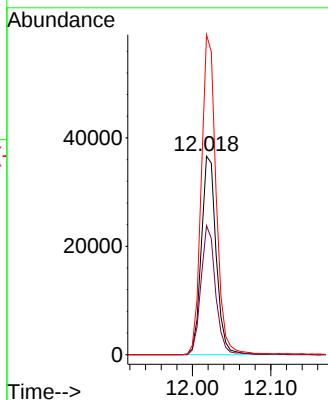
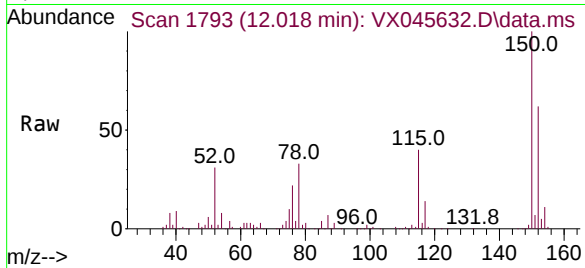




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045632.D
 Acq: 07 Apr 2025 16:31

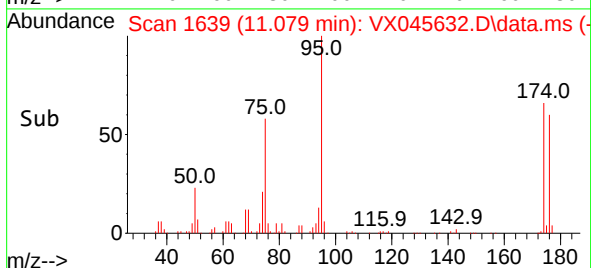
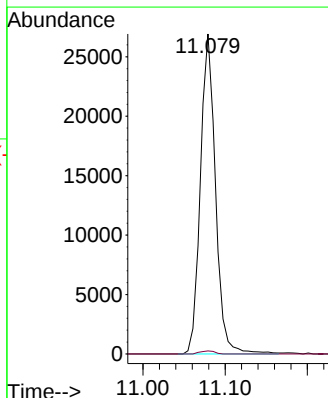
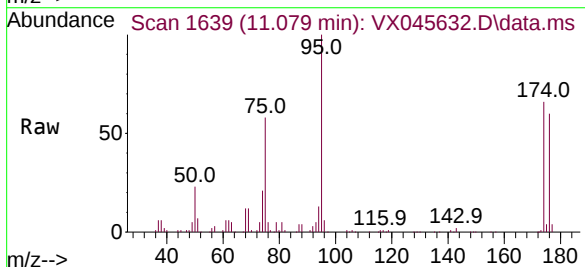
Instrument :
 MSVOA_X
 ClientSampleId :
 B-149-GW01

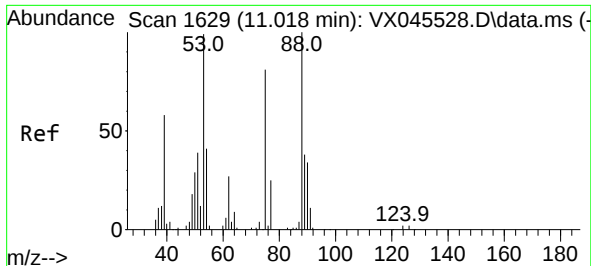
Tgt Ion:152 Resp: 48275
 Ion Ratio Lower Upper
 152 100
 115 63.9 46.9 140.7
 150 159.7 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 29.218 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045632.D
 Acq: 07 Apr 2025 16:31

Tgt Ion: 75 Resp: 34406
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.0 59.9#

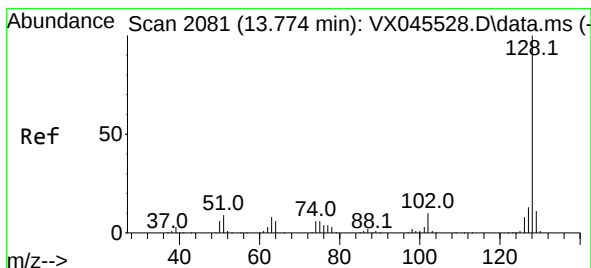
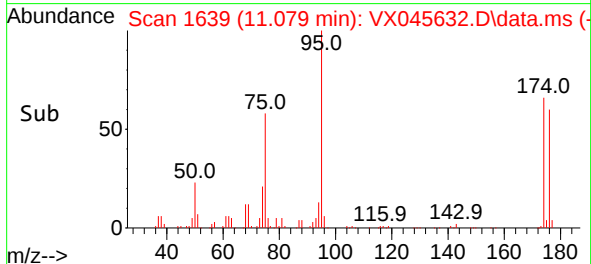
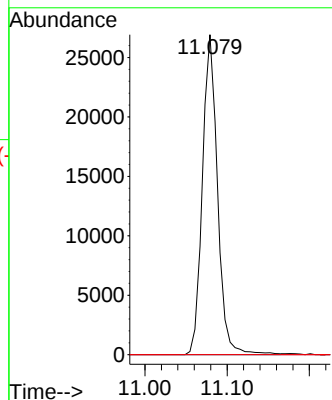
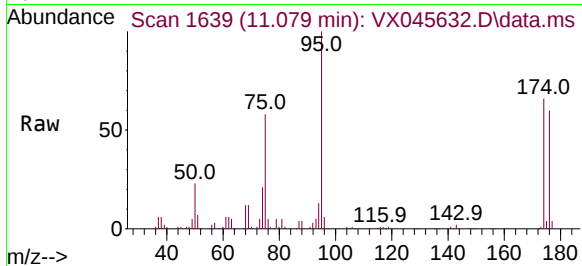




#81
trans-1,4-Dichloro-2-butene
Concen: 99.164 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Instrument :
MSVOA_X
ClientSampleId :
B-149-GW01

Tgt Ion: 75 Resp: 34406
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.786 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045632.D
Acq: 07 Apr 2025 16:31

Tgt Ion:128 Resp: 2631
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 8.6 12.8

