

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042225\
 Data File : VX045876.D
 Acq On : 22 Apr 2025 10:57
 Operator : JC/MD
 Sample : VX0422MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422MBL01

Quant Time: Apr 23 01:32:43 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)

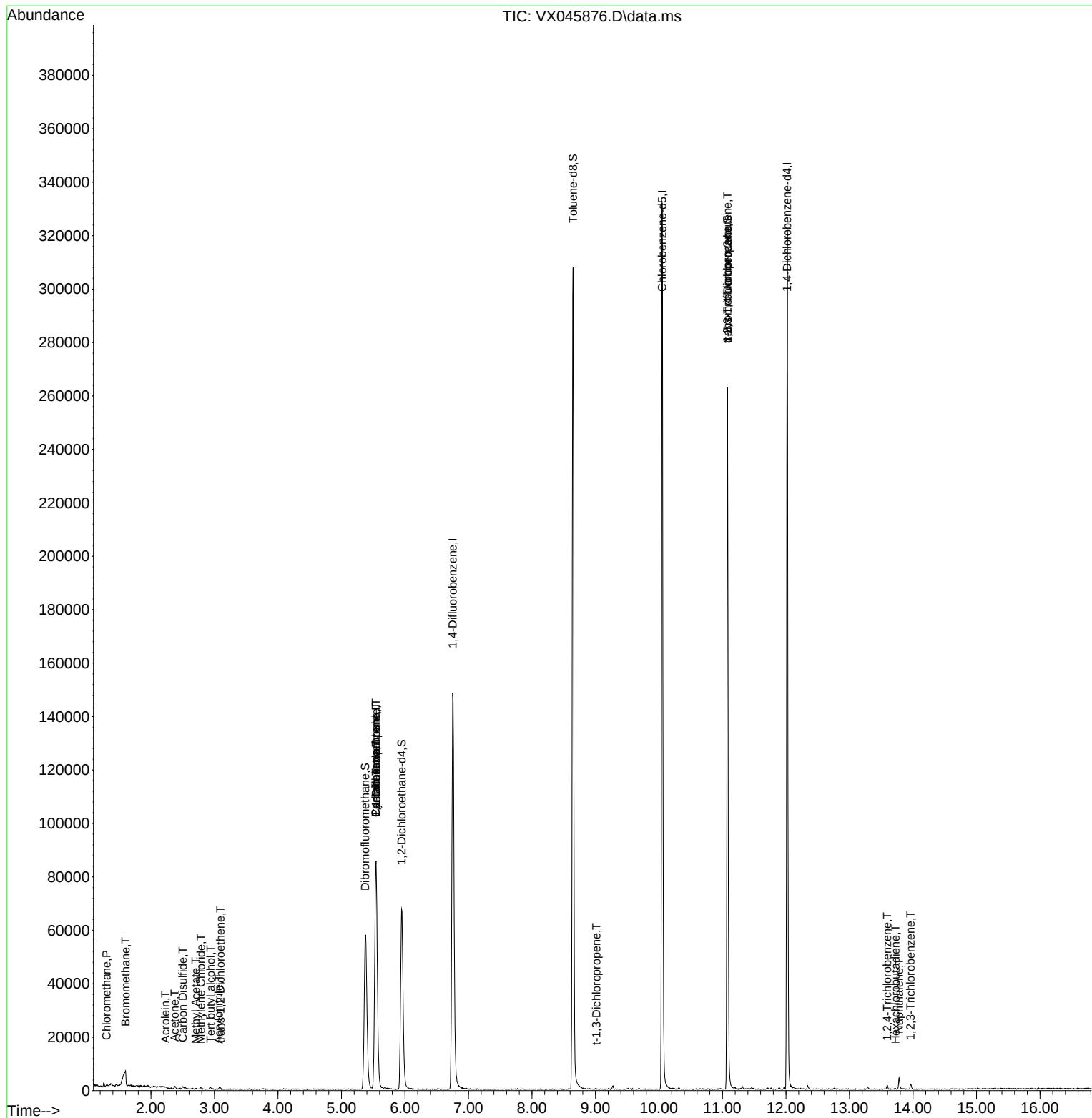
Internal Standards						
1) Pentafluorobenzene	5.544	168	72362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	143754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	69648	52.632	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.260%			
35) Dibromofluoromethane	5.373	113	51990	50.974	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	8.647	98	179619	50.455	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.920%			
62) 4-Bromofluorobenzene	11.079	95	69421	53.536	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.080%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	721	0.649	ug/l	95
5) Bromomethane	1.599	94	192	0.398	ug/l #	52
11) Tert butyl alcohol	2.941	59	318	1.788	ug/l #	72
13) Acrolein	2.227	56	182	0.743	ug/l	94
15) Acrylonitrile	3.069	53	253	0.451	ug/l	87
16) Acetone	2.374	43	1087	2.000	ug/l	100
17) Carbon Disulfide	2.502	76	1215	0.566	ug/l	99
18) Methyl Acetate	2.703	43	332	0.265	ug/l #	54
20) Methylene Chloride	2.788	84	303	0.298	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	199	0.224	ug/l #	69
31) Cyclohexane	5.544	56	2211	1.362	ug/l #	18
36) 1,1-Dichloropropene	5.544	75	7110	5.163	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8740	5.872	ug/l #	16
53) t-1,3-Dichloropropene	9.013	75	65	2.329	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	39815	27.941	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39815	94.829	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	579	0.532	ug/l #	79
94) Hexachlorobutadiene	13.725	225	129	0.275	ug/l #	43
95) Naphthalene	13.780	128	3513	0.867	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	625	0.548	ug/l	92

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

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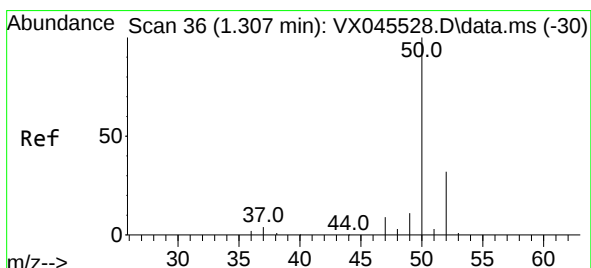
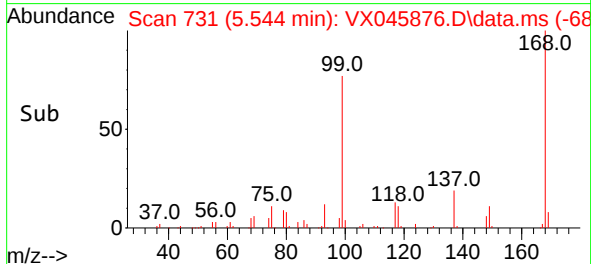
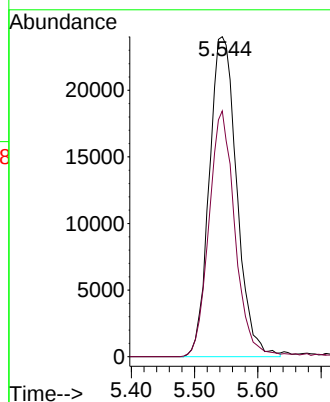
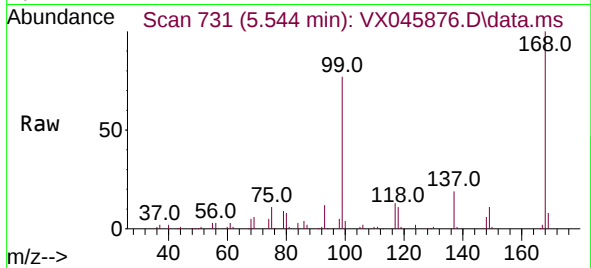




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

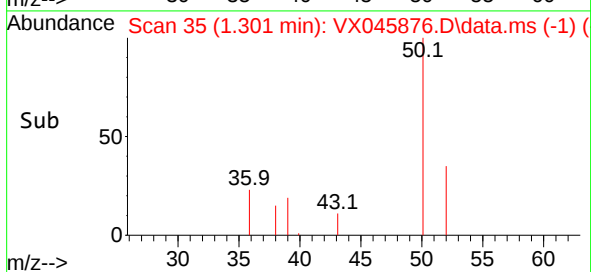
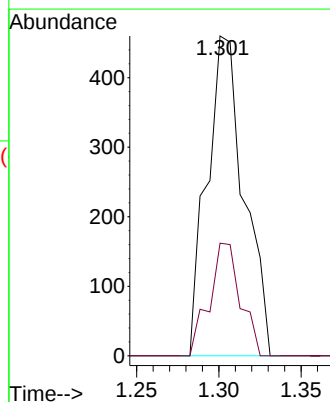
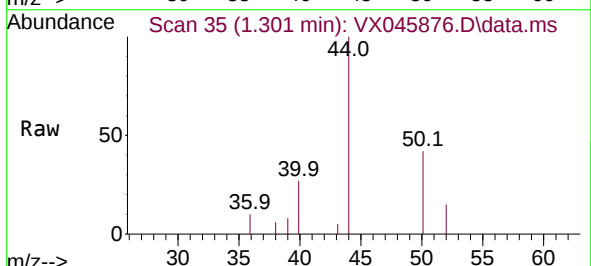
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

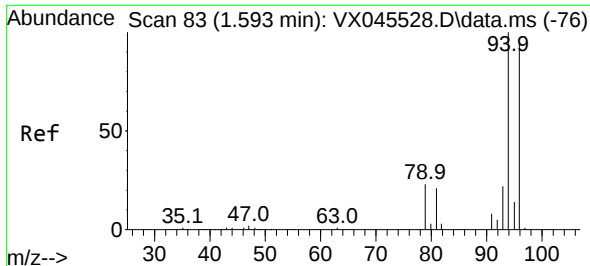
Tgt Ion:168 Resp: 72362
Ion Ratio Lower Upper
168 100
99 76.8 52.3 78.5



#3
Chloromethane
Concen: 0.649 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Tgt Ion: 50 Resp: 721
Ion Ratio Lower Upper
50 100
52 35.2 25.9 38.9

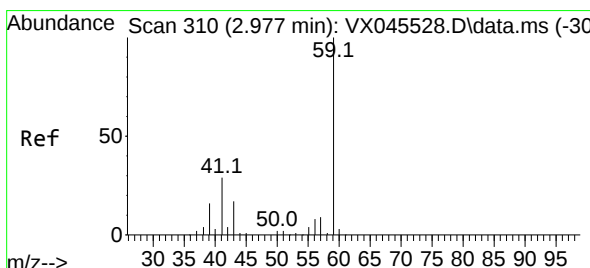
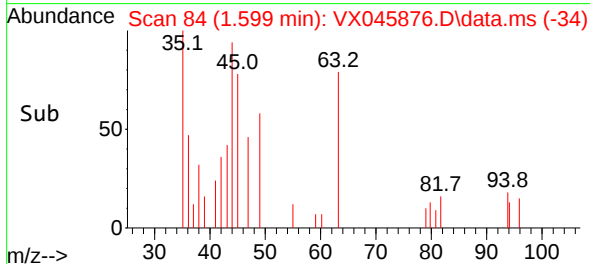
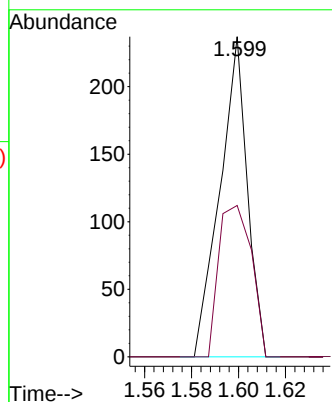
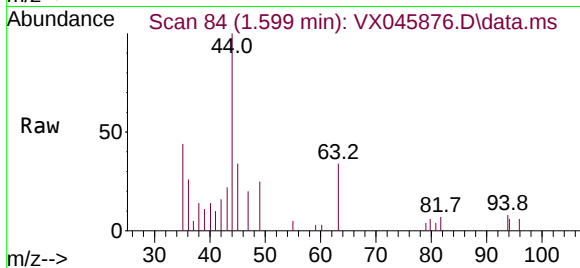




#5
Bromomethane
Concen: 0.398 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

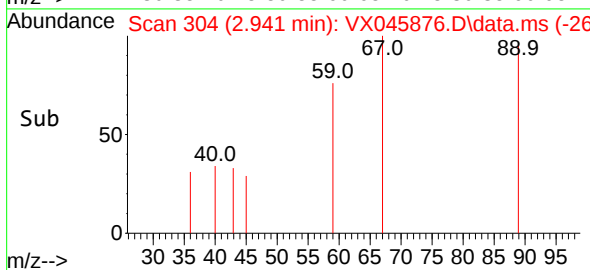
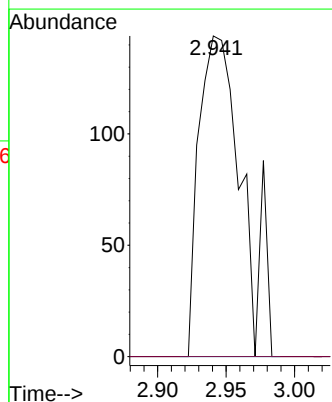
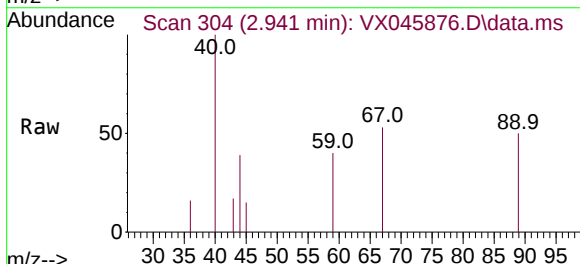
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

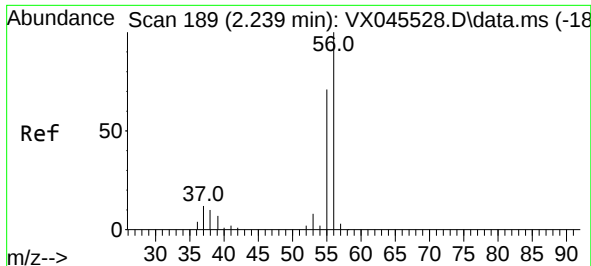
Tgt Ion: 94 Resp: 192
Ion Ratio Lower Upper
94 100
96 47.3 74.8 112.2#



#11
Tert butyl alcohol
Concen: 1.788 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Tgt Ion: 59 Resp: 318
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.743 ug/l

RT: 2.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX045876.D

Acq: 22 Apr 2025 10:57

Instrument :

MSVOA_X

ClientSampleId :

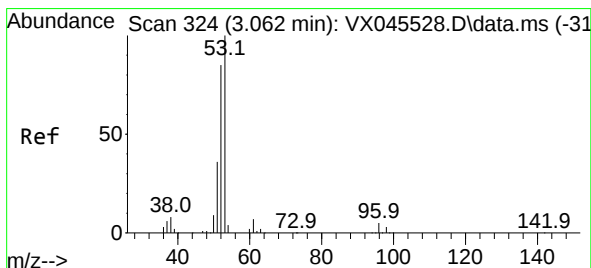
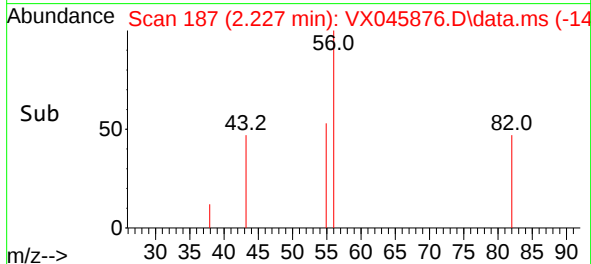
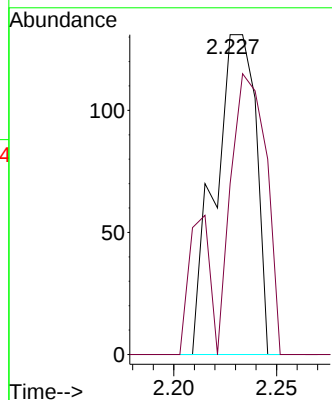
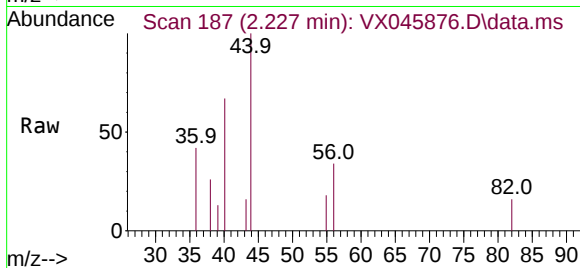
VX0422MBL01

Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

56 100

55 74.7 56.2 84.2



#15

Acrylonitrile

Concen: 0.451 ug/l

RT: 3.069 min Scan# 325

Delta R.T. 0.006 min

Lab File: VX045876.D

Acq: 22 Apr 2025 10:57

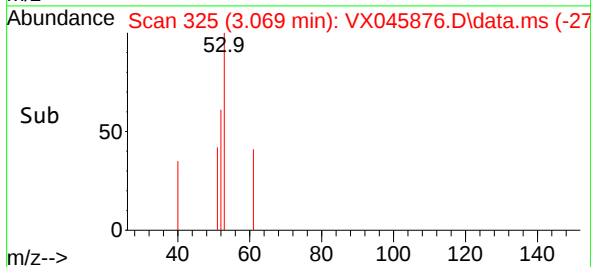
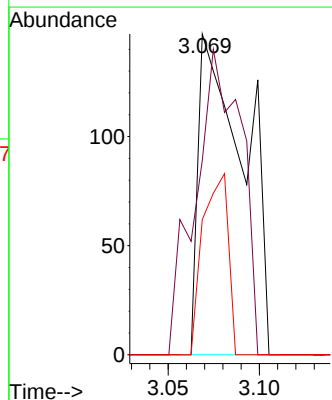
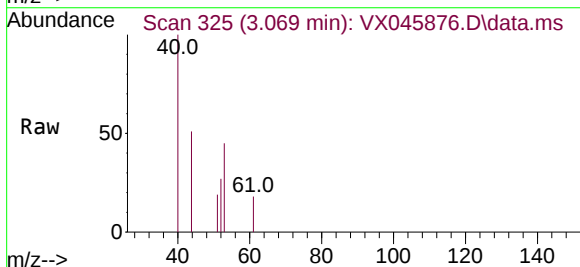
Tgt Ion: 53 Resp: 253

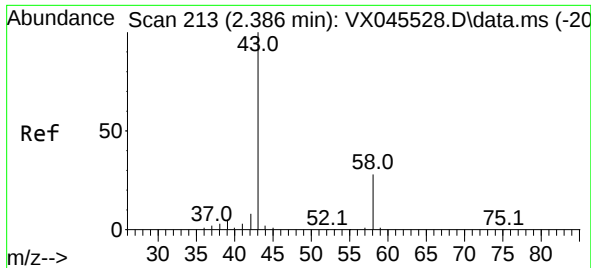
Ion Ratio Lower Upper

53 100

52 96.8 67.4 101.2

51 31.6 29.9 44.9

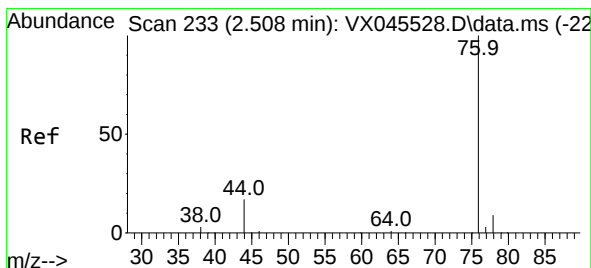
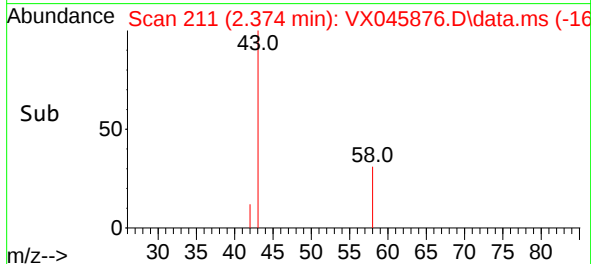
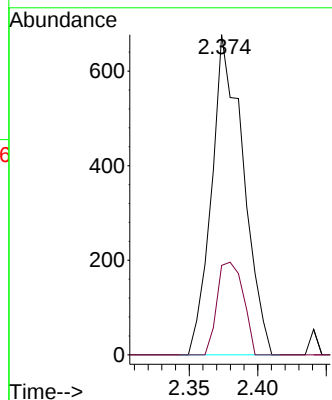
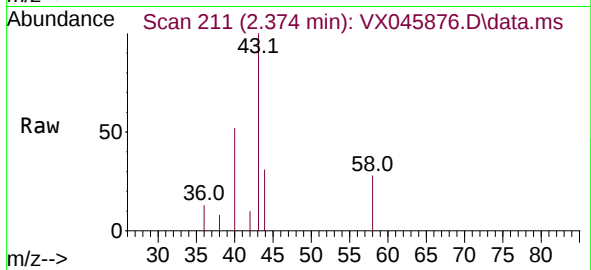




#16
Acetone
Concen: 2.000 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.012 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

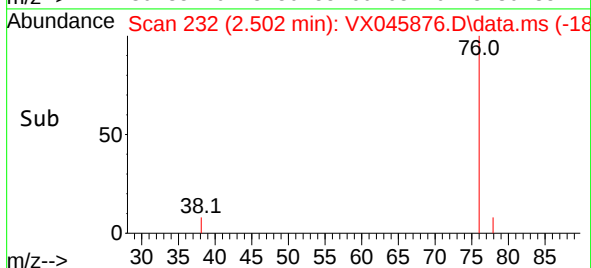
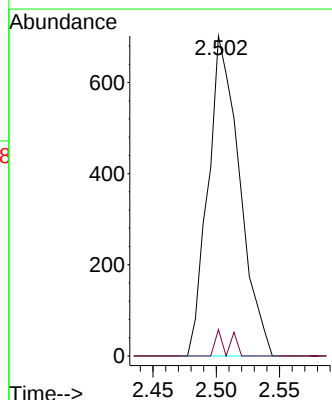
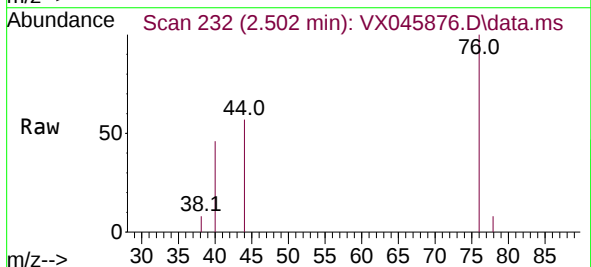
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

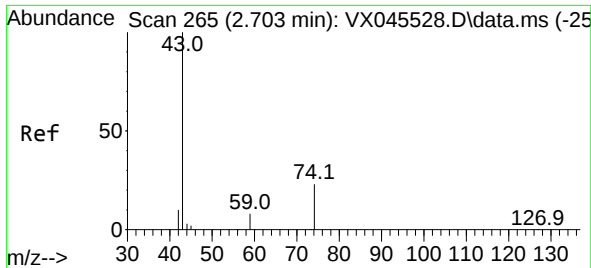
Tgt Ion: 43 Resp: 1087
Ion Ratio Lower Upper
43 100
58 27.9 22.3 33.5



#17
Carbon Disulfide
Concen: 0.566 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.006 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Tgt Ion: 76 Resp: 1215
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6

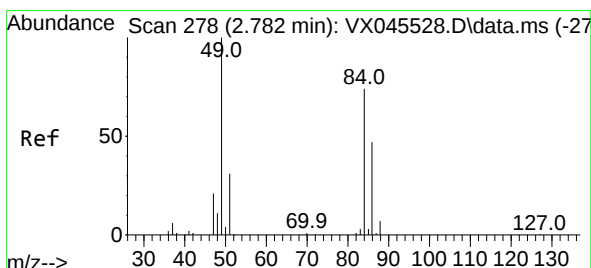
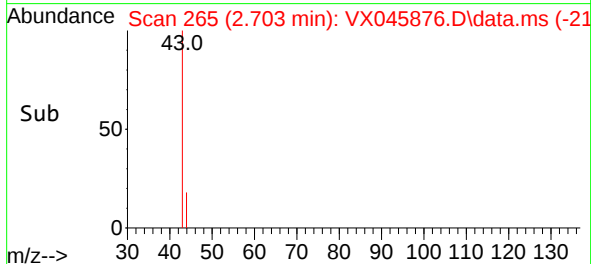
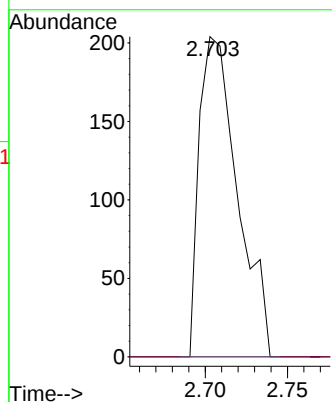
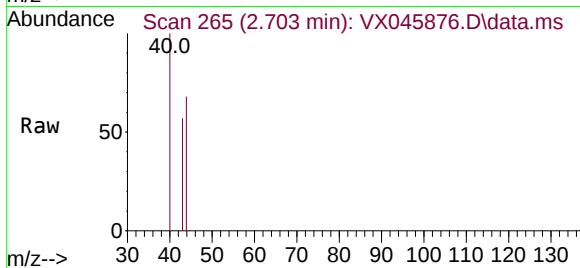




#18
Methyl Acetate
Concen: 0.265 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

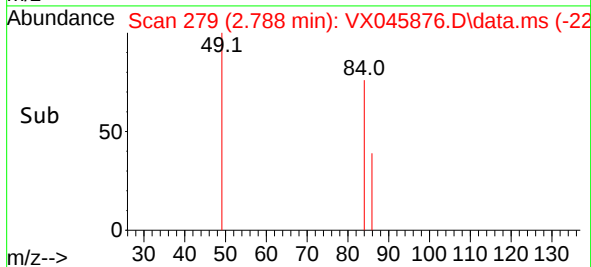
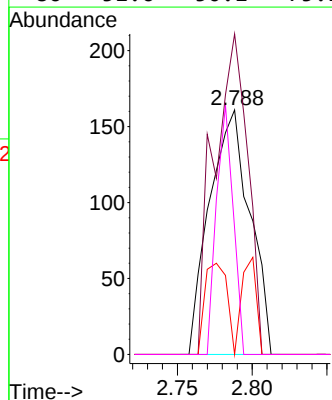
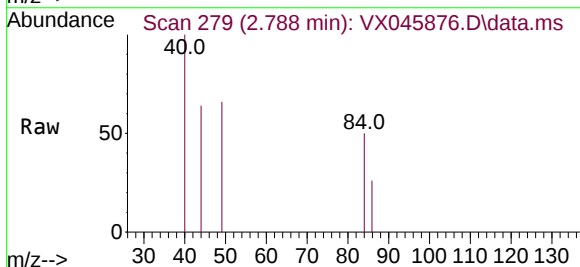
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

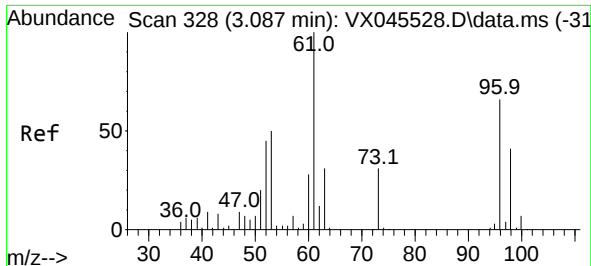
Tgt Ion: 43 Resp: 332
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Tgt Ion: 84 Resp: 303
Ion Ratio Lower Upper
84 100
49 131.1 107.5 161.3
51 0.0 33.0 49.6#
86 51.6 50.1 75.1

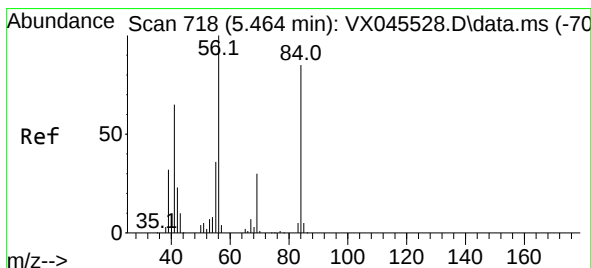
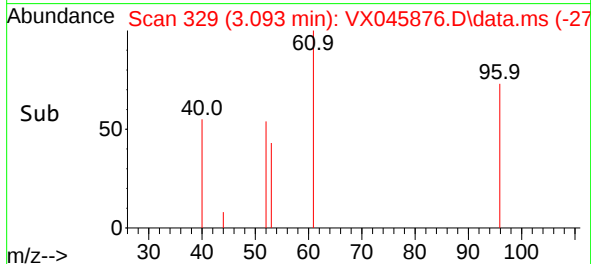
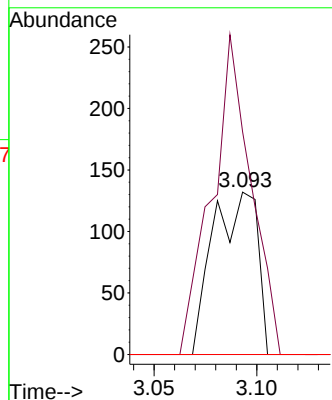
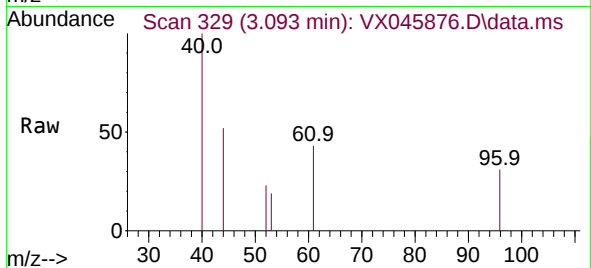




#21
trans-1,2-Dichloroethene
Concen: 0.224 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

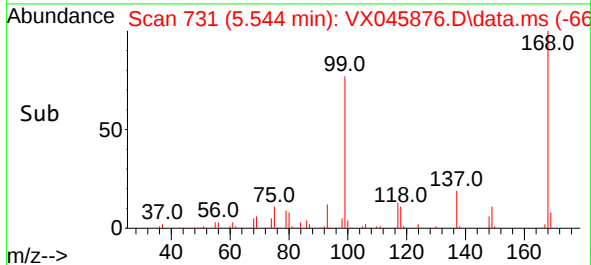
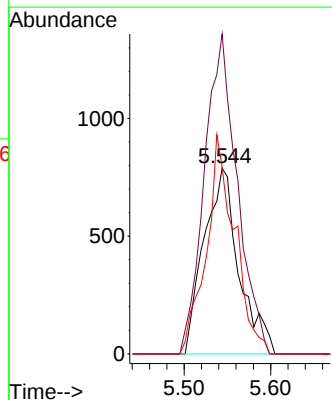
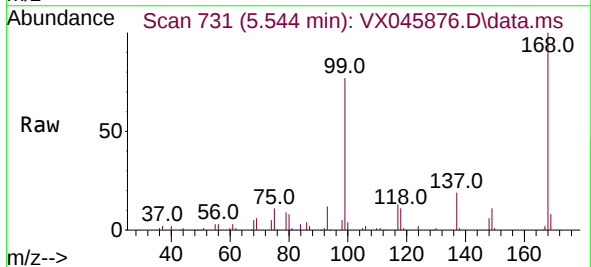
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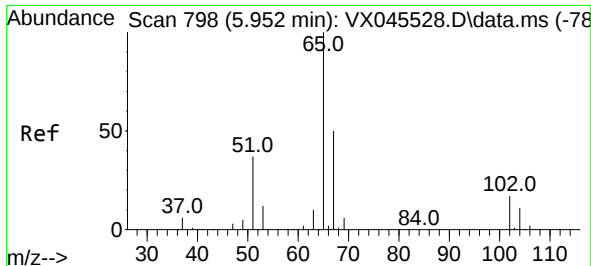
Tgt Ion: 96 Resp: 199
Ion Ratio Lower Upper
96 100
61 137.1 121.0 181.6
98 0.0 49.7 74.5#



#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Tgt Ion: 56 Resp: 2211
Ion Ratio Lower Upper
56 100
69 172.2 23.6 35.4#
84 100.6 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 52.632 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045876.D

Acq: 22 Apr 2025 10:57

Instrument :

MSVOA_X

ClientSampleId :

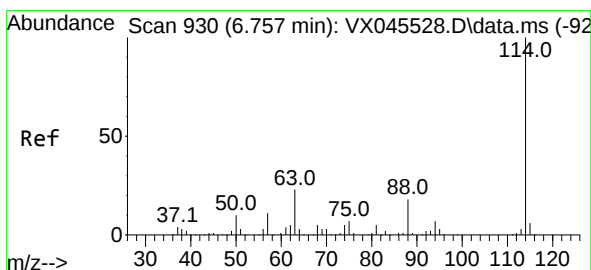
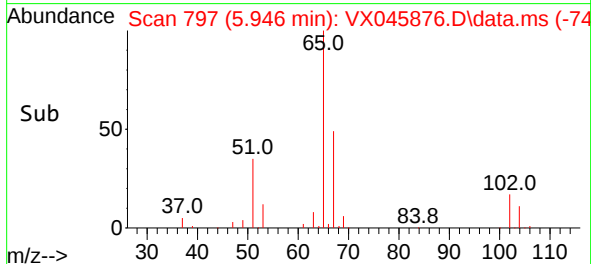
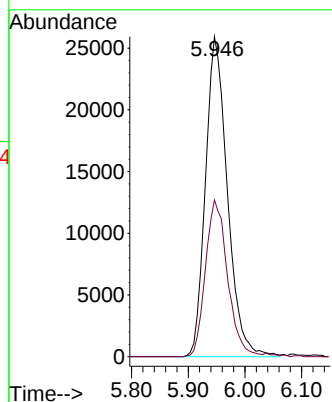
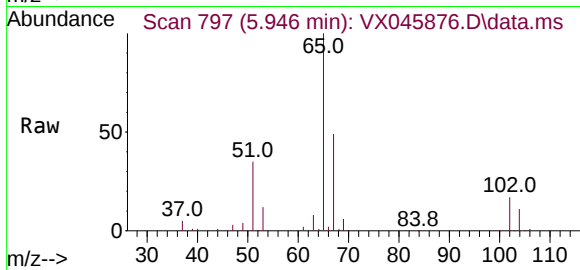
VX0422MBL01

Tgt Ion: 65 Resp: 69648

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045876.D

Acq: 22 Apr 2025 10:57

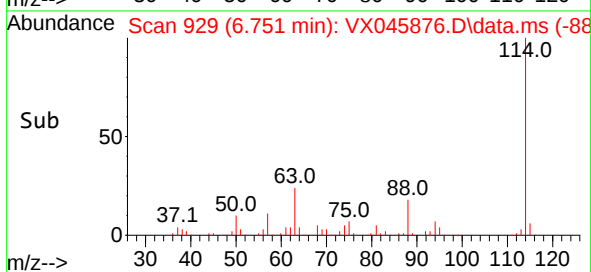
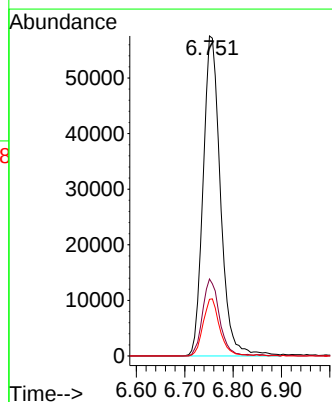
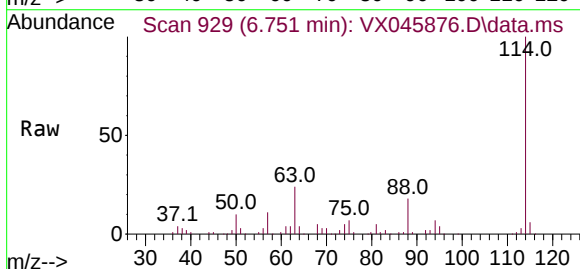
Tgt Ion: 114 Resp: 143754

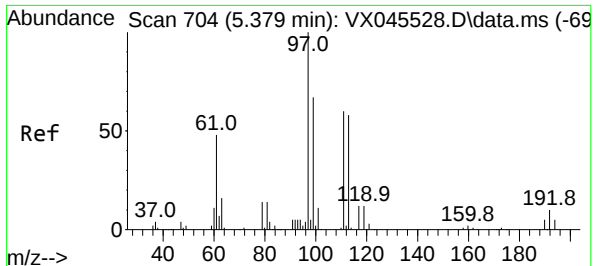
Ion Ratio Lower Upper

114 100

63 24.1 0.0 46.8

88 17.7 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.974 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX045876.D

Acq: 22 Apr 2025 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0422MBL01

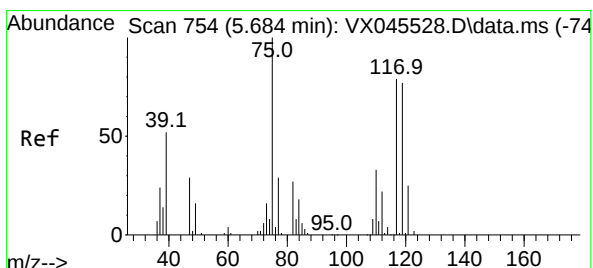
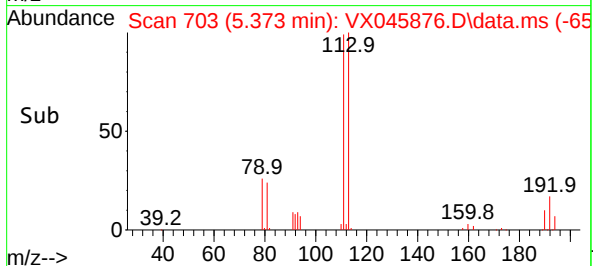
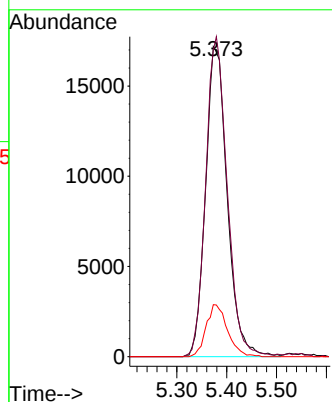
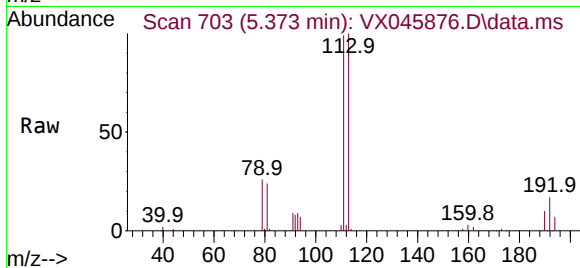
Tgt Ion:113 Resp: 51990

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

192 16.5 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.163 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX045876.D

Acq: 22 Apr 2025 10:57

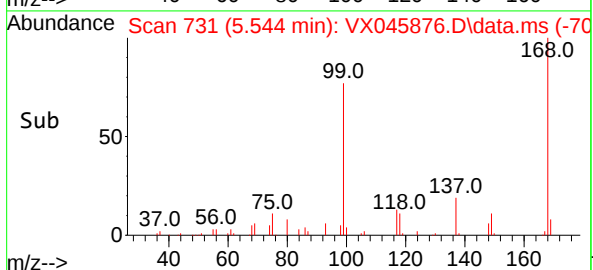
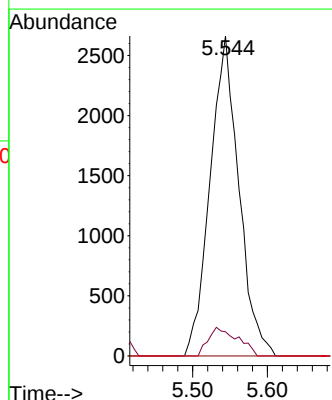
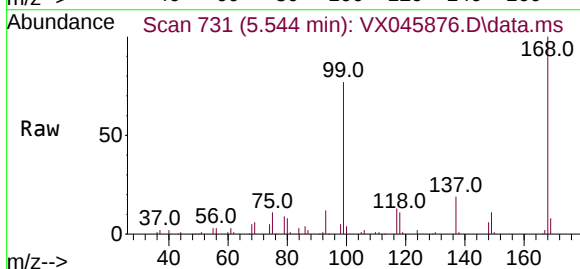
Tgt Ion: 75 Resp: 7110

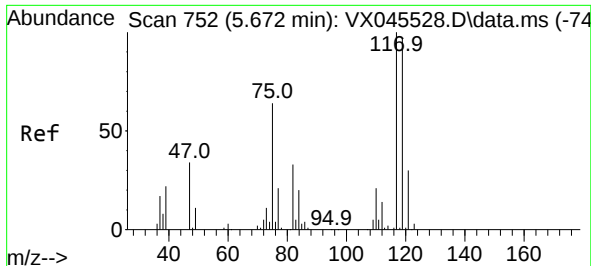
Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

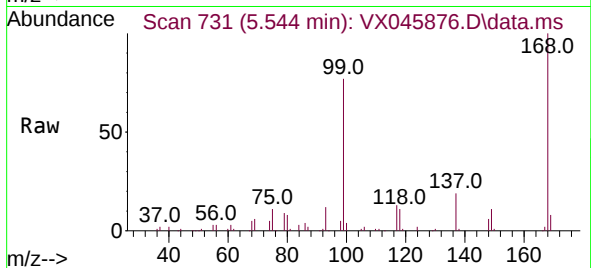
77 0.0 25.0 37.4#



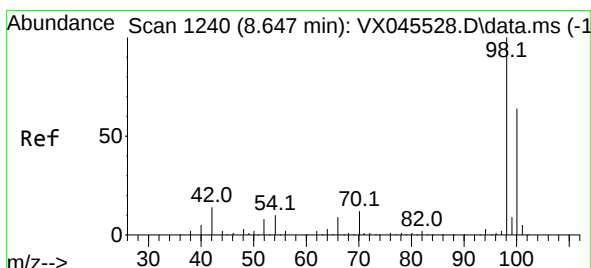
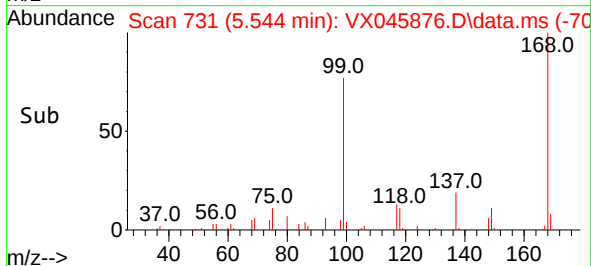
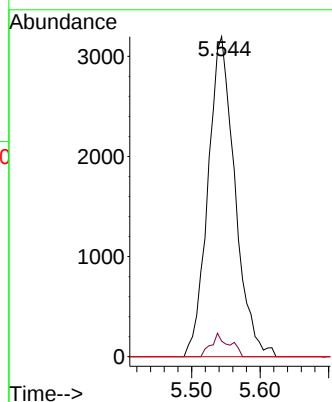


#38
Carbon Tetrachloride
Concen: 5.872 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

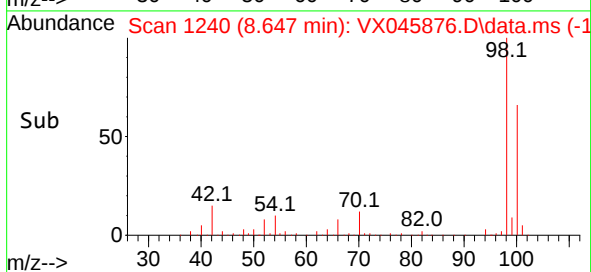
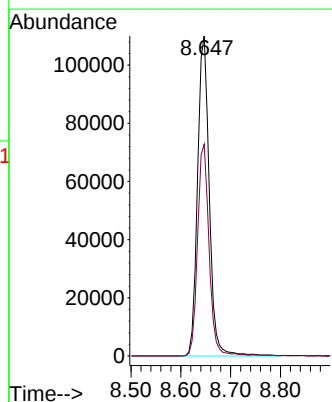
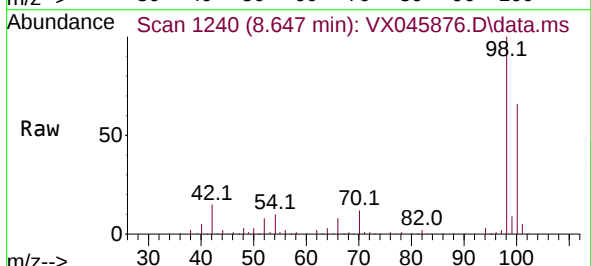


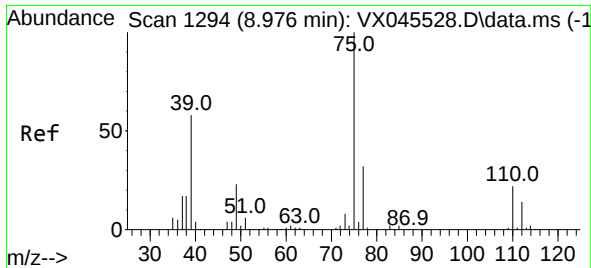
Tgt Ion:117 Resp: 8740
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.455 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Tgt Ion: 98 Resp: 179619
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4

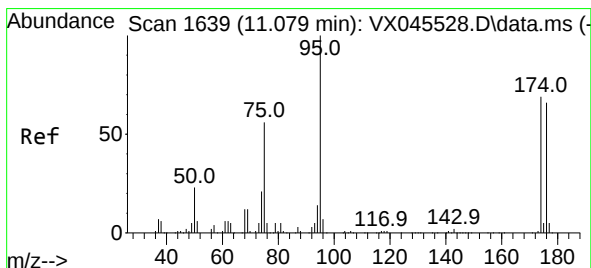
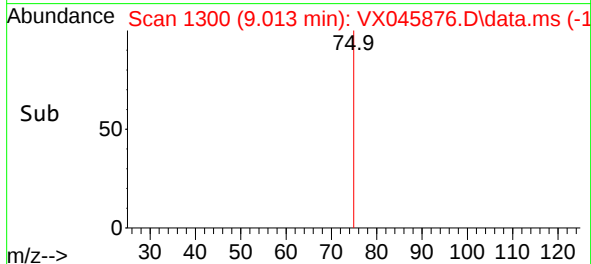
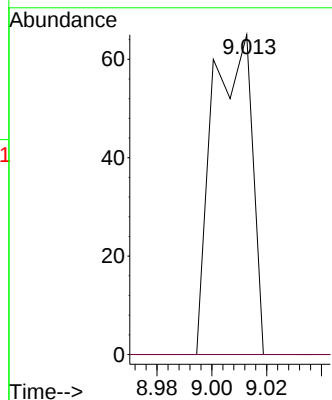
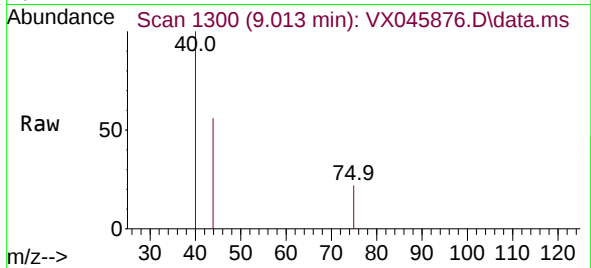




#53
t-1,3-Dichloropropene
Concen: 2.329 ug/l
RT: 9.013 min Scan# 11
Delta R.T. 0.037 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

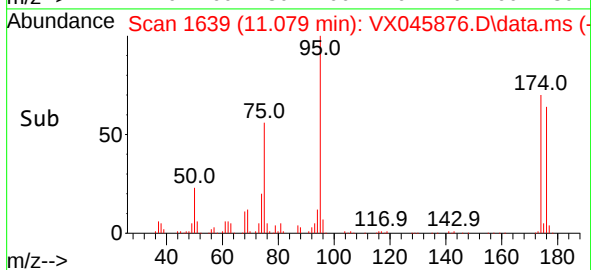
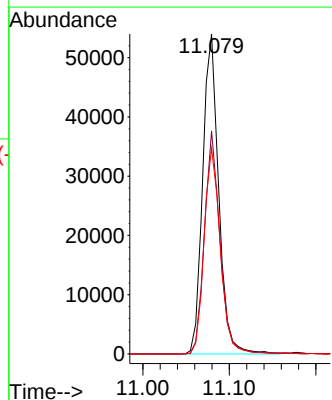
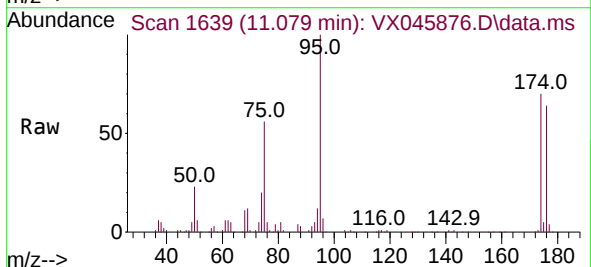
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

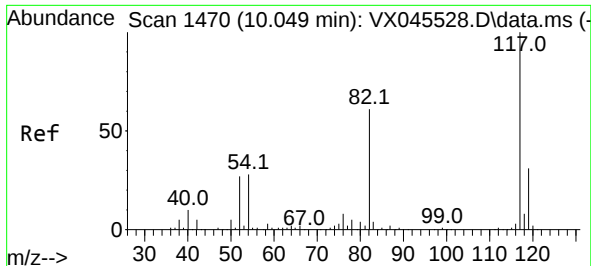
Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 53.536 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Tgt Ion: 95 Resp: 69421
Ion Ratio Lower Upper
95 100
174 67.6 0.0 135.8
176 65.4 0.0 131.4

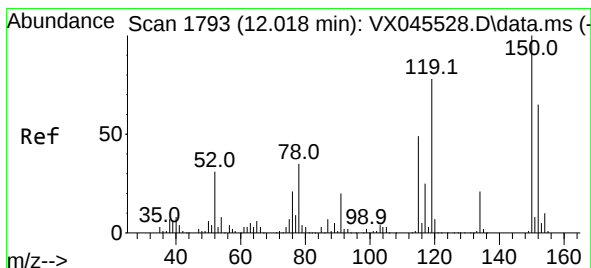
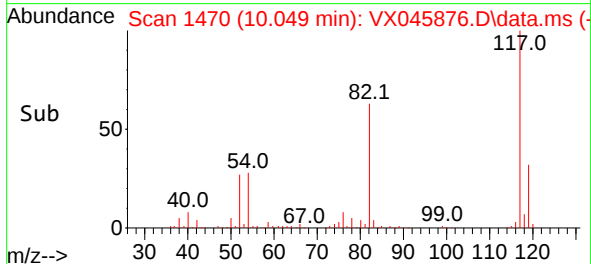
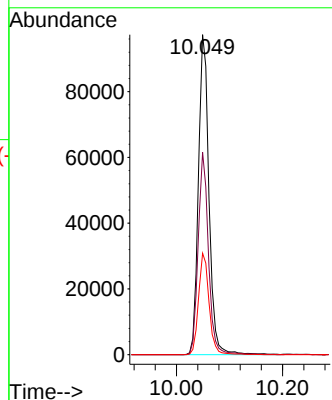
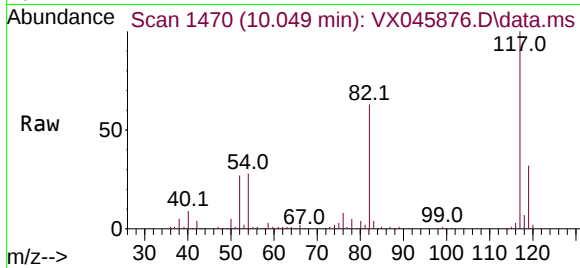




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

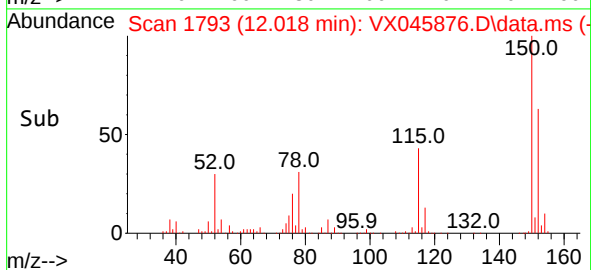
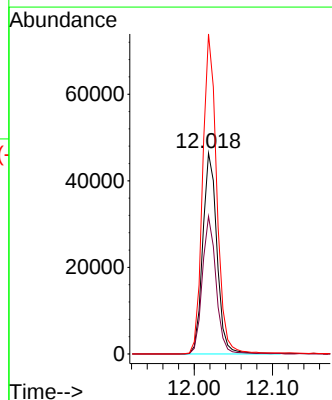
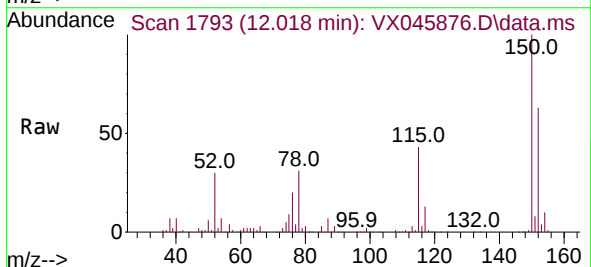
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

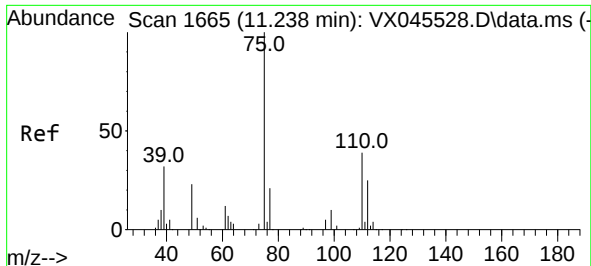
Tgt Ion:117 Resp: 134942
Ion Ratio Lower Upper
117 100
82 63.3 49.2 73.8
119 31.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Tgt Ion:152 Resp: 58418
Ion Ratio Lower Upper
152 100
115 66.5 46.9 140.7
150 159.3 0.0 349.4

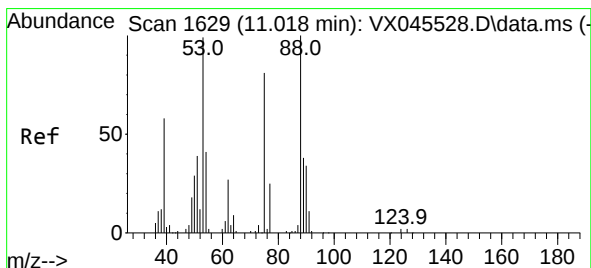
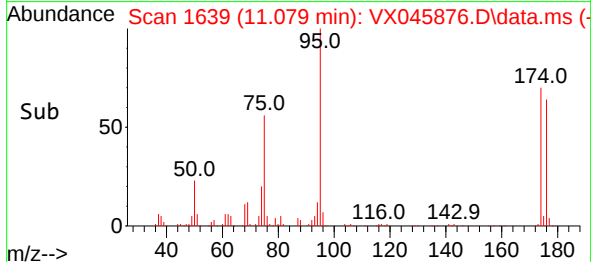
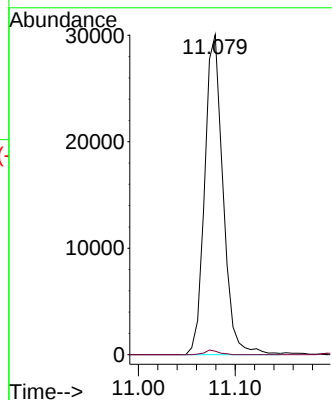
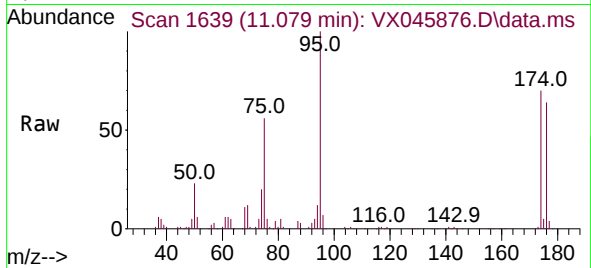




#76
1,2,3-Trichloropropane
Concen: 27.941 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

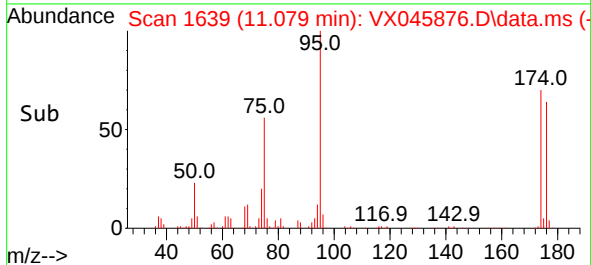
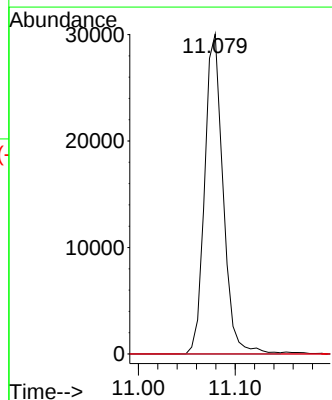
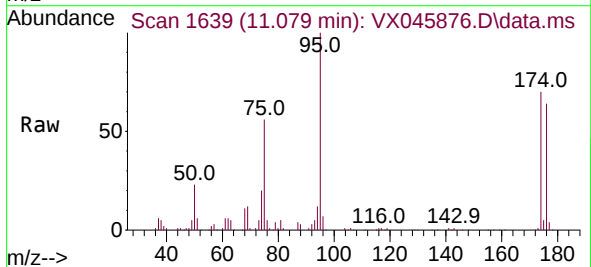
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

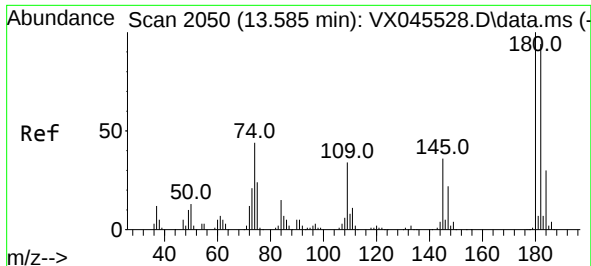
Tgt Ion: 75 Resp: 39815
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

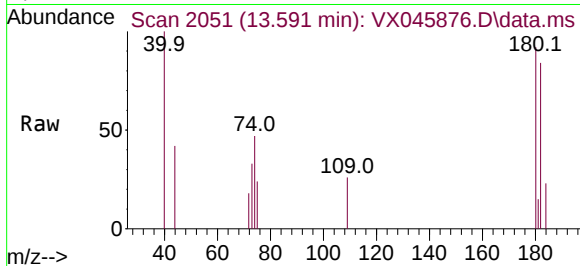
Tgt Ion: 75 Resp: 39815
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



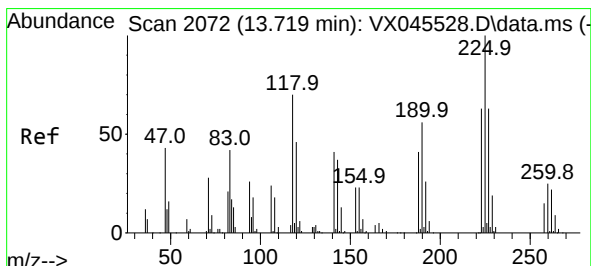
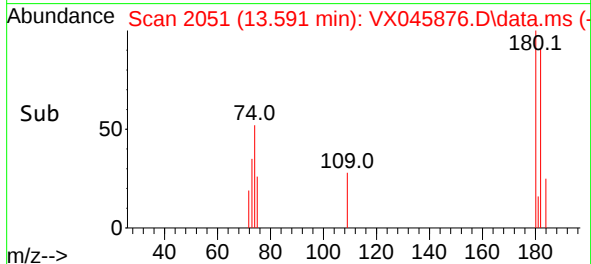
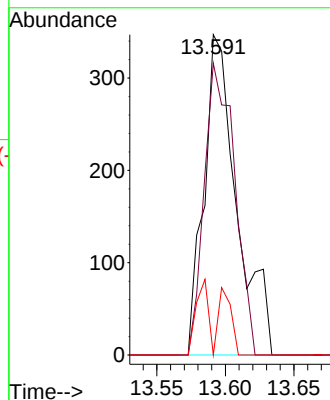


#93
1,2,4-Trichlorobenzene
Concen: 0.532 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

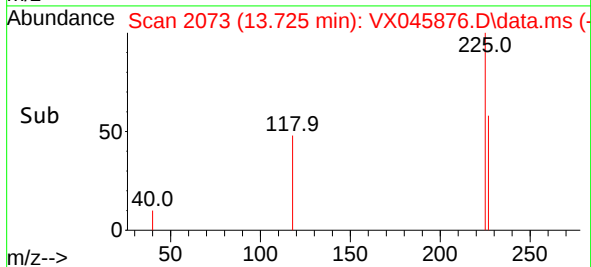
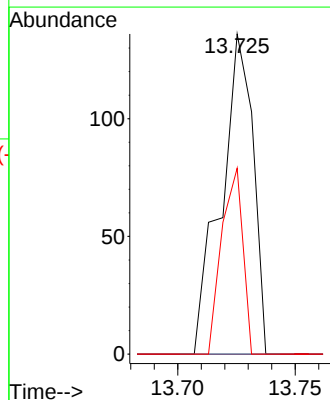
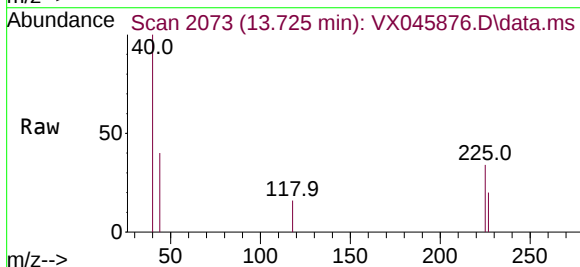


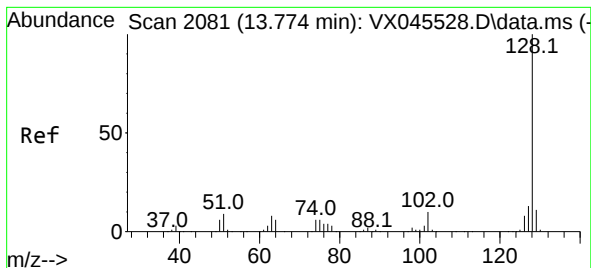
Tgt Ion:180 Resp: 579
Ion Ratio Lower Upper
180 100
182 84.3 47.9 143.6
145 8.1 17.9 53.8#



#94
Hexachlorobutadiene
Concen: 0.275 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045876.D
Acq: 22 Apr 2025 10:57

Tgt Ion:225 Resp: 129
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.3#
227 38.0 32.2 96.6





#95

Naphthalene

Concen: 0.867 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX045876.D

Acq: 22 Apr 2025 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0422MBL01

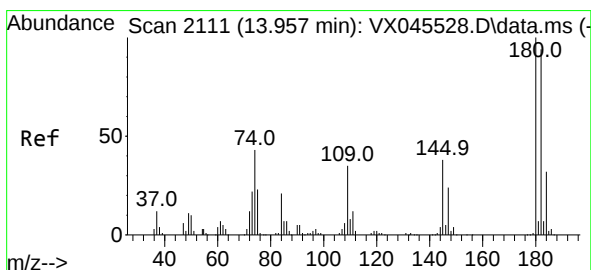
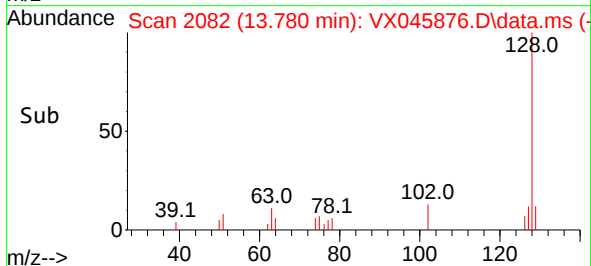
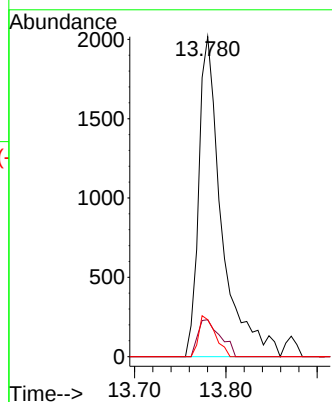
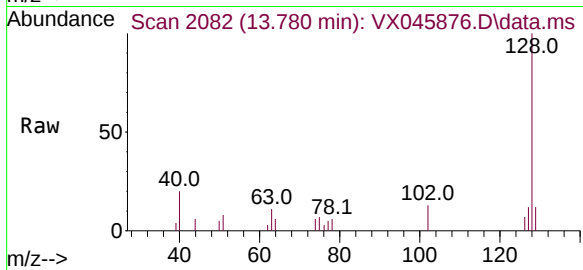
Tgt Ion:128 Resp: 3513

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

129 9.2 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 0.548 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045876.D

Acq: 22 Apr 2025 10:57

Tgt Ion:180 Resp: 625

Ion Ratio Lower Upper

180 100

182 104.5 47.3 141.8

145 38.6 18.2 54.6

