

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040925\
 Data File : VX045677.D
 Acq On : 09 Apr 2025 15:43
 Operator : JC/MD
 Sample : PB167492TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492TB

Quant Time: Apr 10 01:36:01 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)

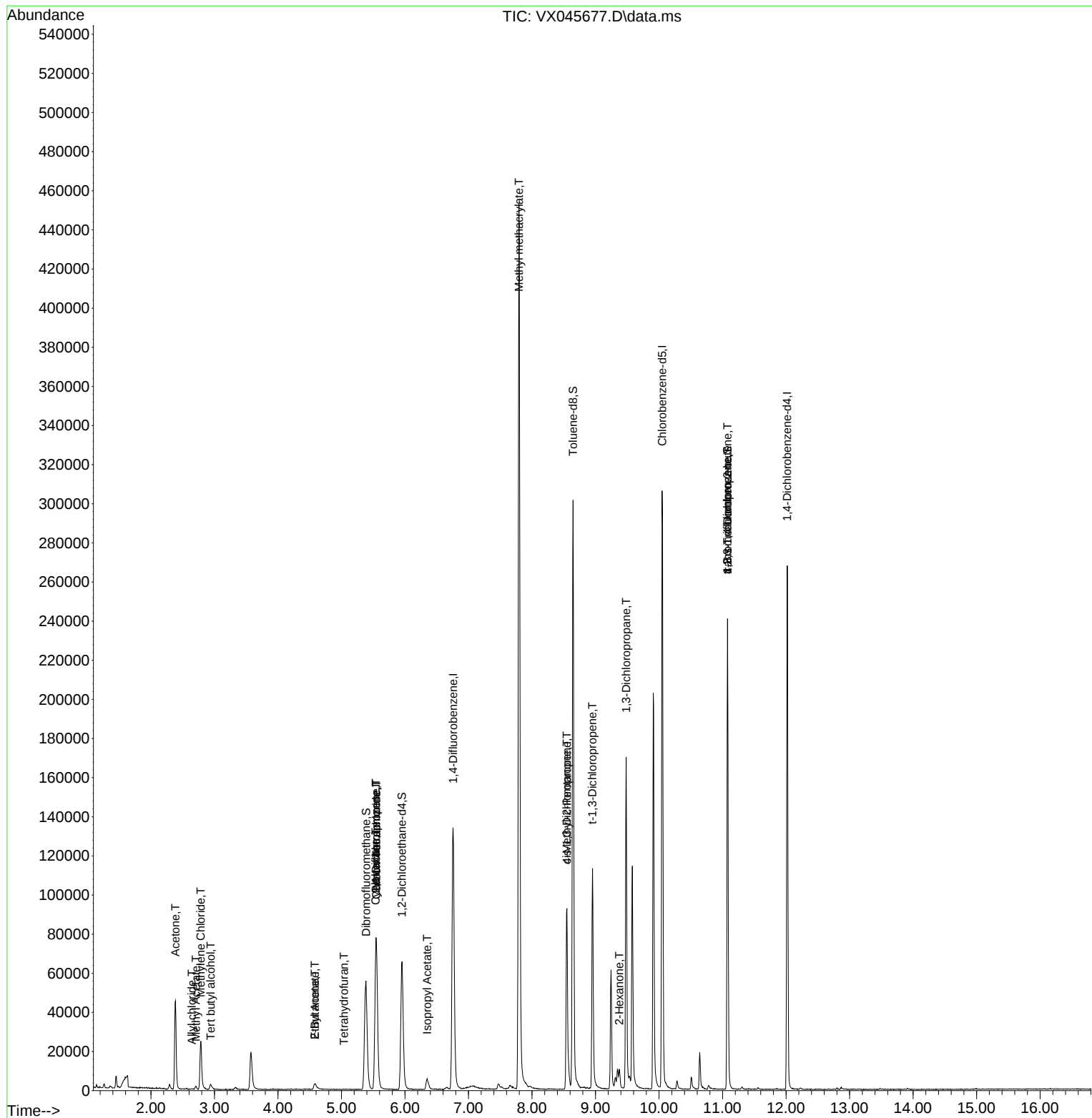
Internal Standards						
1) Pentafluorobenzene	5.544	168	66565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132585	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67635	55.561	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.120%			
35) Dibromofluoromethane	5.385	113	48016	51.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	8.647	98	168107	51.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.400%			
62) 4-Bromofluorobenzene	11.079	95	62629	52.367	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.740%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.941	59	2153	13.161	ug/l #	72
14) Allyl chloride	2.642	41	337	0.222	ug/l #	38
16) Acetone	2.386	43	52130	104.290	ug/l	96
18) Methyl Acetate	2.709	43	2101	1.826	ug/l #	86
20) Methylene Chloride	2.782	84	11787	12.596	ug/l	95
25) 2-Butanone	4.581	43	6831	9.336	ug/l	94
29) Tetrahydrofuran	5.038	42	126	0.266	ug/l #	35
31) Cyclohexane	5.538	56	1971	1.320	ug/l #	3
36) 1,1-Dichloropropene	5.544	75	6596	5.193	ug/l #	45
37) Ethyl Acetate	4.581	43	6831	4.268	ug/l #	71
38) Carbon Tetrachloride	5.550	117	7876	5.738	ug/l #	17
43) Isopropyl Acetate	6.348	43	8196	3.378	ug/l	96
48) Methyl methacrylate	7.793	41	45967	36.698	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	39241	24.400	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	162	2.397	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14274	10.237	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	1376	0.845	ug/l #	42
59) 2-Hexanone	9.372	43	9150	7.683	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36561	30.513	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36561	103.558	ug/l #	1

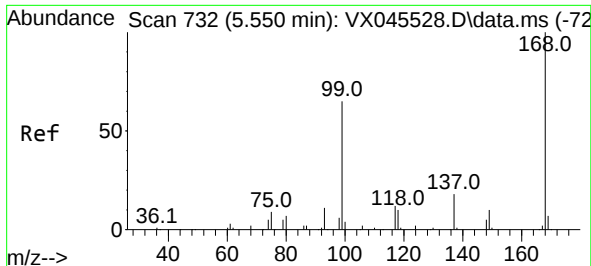
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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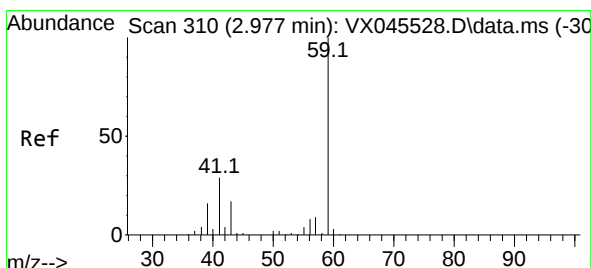
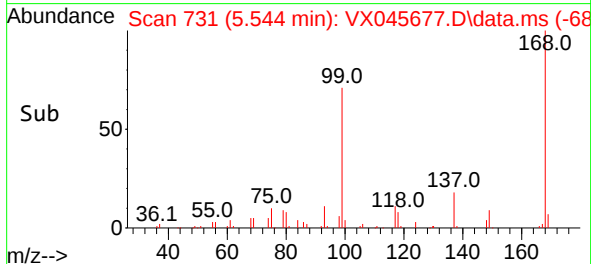
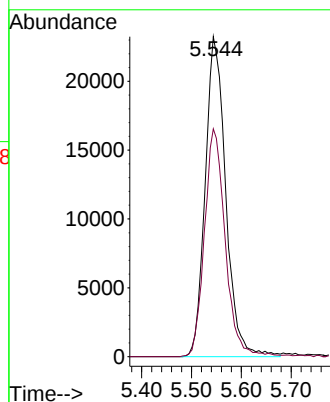
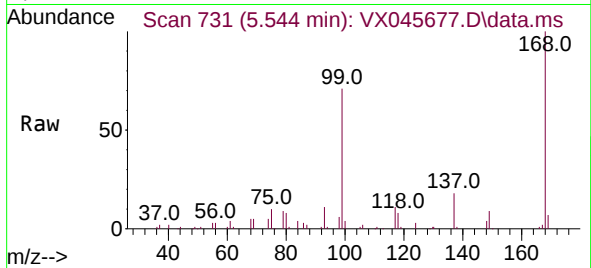




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

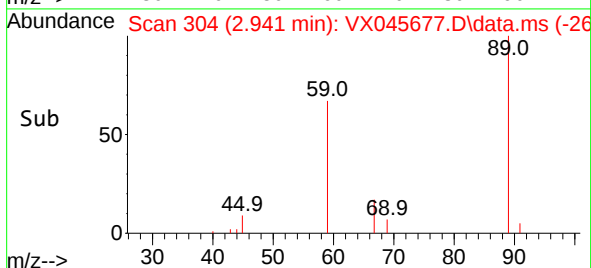
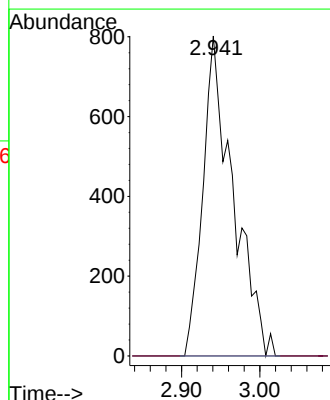
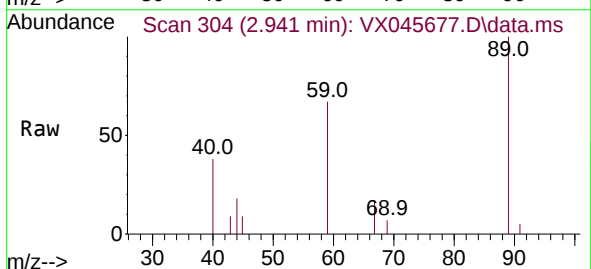
Instrument :
MSVOA_X
ClientSampleId :
PB167492TB

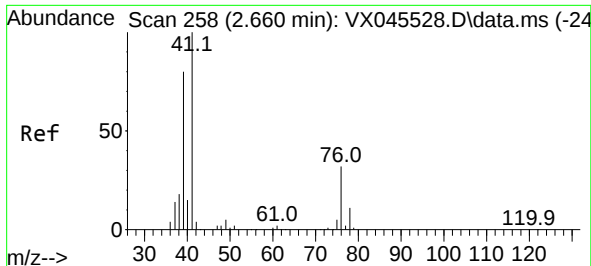
Tgt Ion:168 Resp: 66565
Ion Ratio Lower Upper
168 100
99 71.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 13.161 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Tgt Ion: 59 Resp: 2153
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

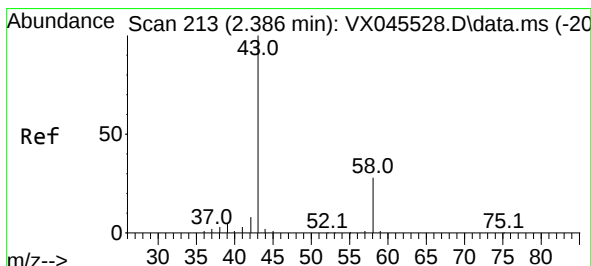
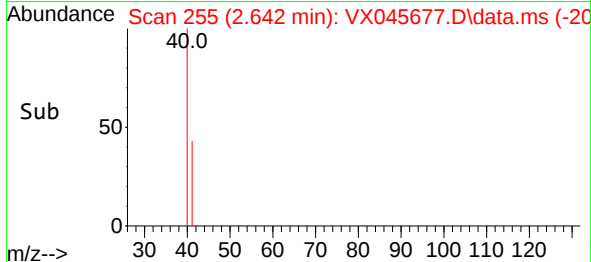
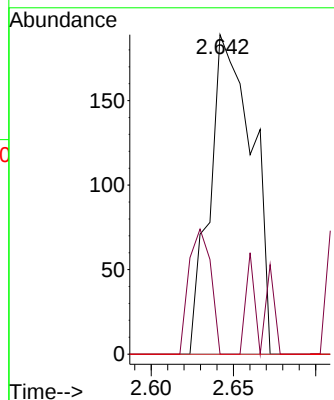
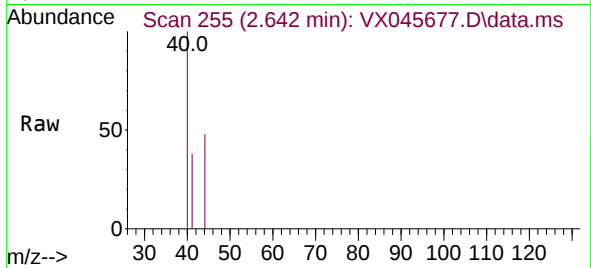




#14
 Allyl chloride
 Concen: 0.222 ug/l
 RT: 2.642 min Scan# 214
 Delta R.T. -0.018 min
 Lab File: VX045677.D
 Acq: 09 Apr 2025 15:43

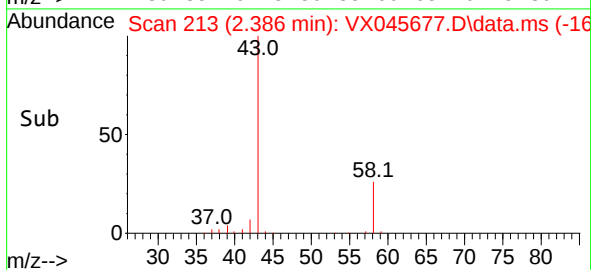
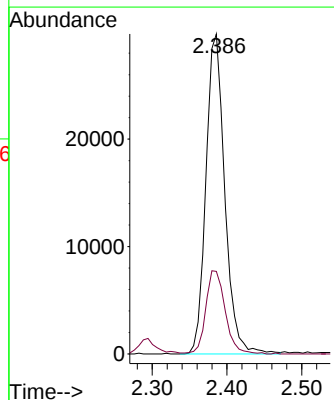
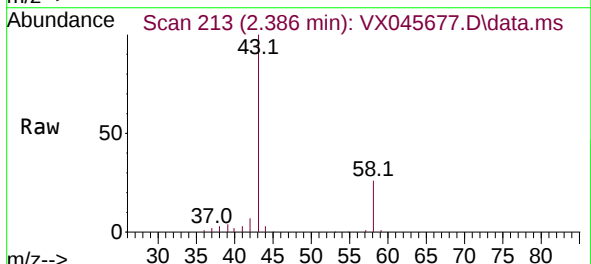
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492TB

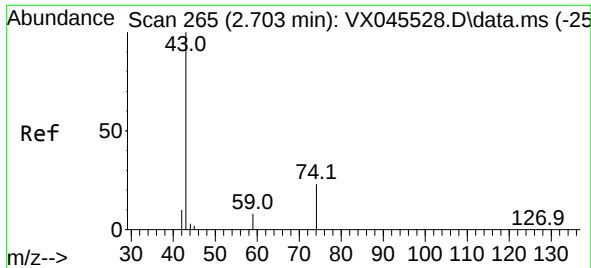
Tgt Ion: 41 Resp: 337
 Ion Ratio Lower Upper
 41 100
 39 20.2 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 104.290 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VX045677.D
 Acq: 09 Apr 2025 15:43

Tgt Ion: 43 Resp: 52130
 Ion Ratio Lower Upper
 43 100
 58 25.8 22.3 33.5

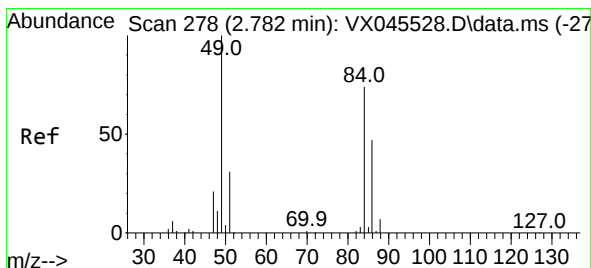
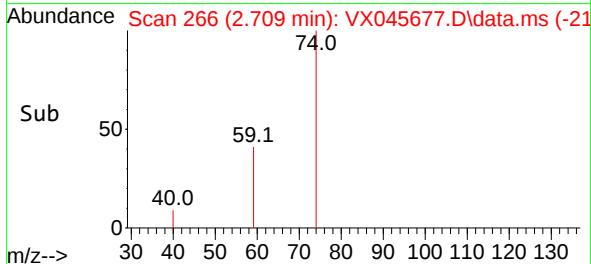
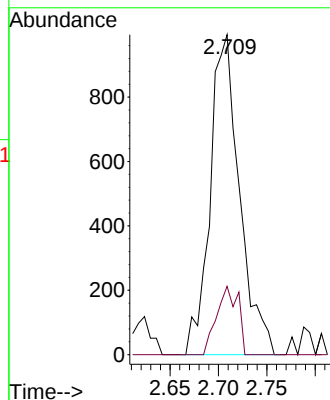
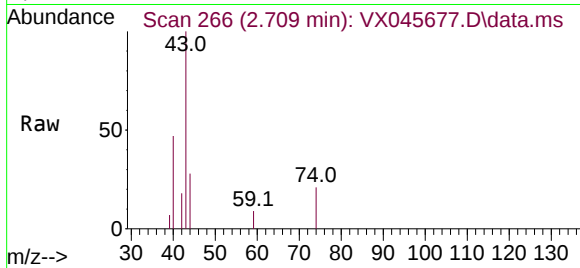




#18
Methyl Acetate
Concen: 1.826 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

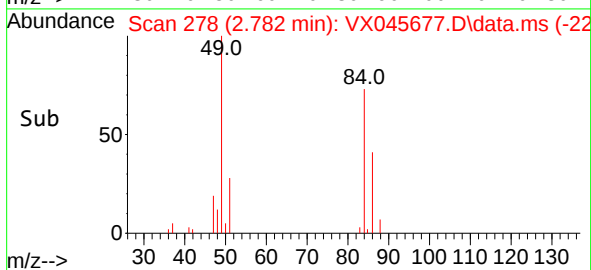
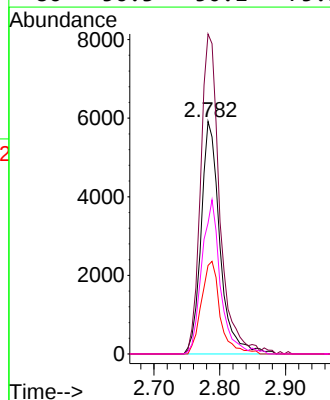
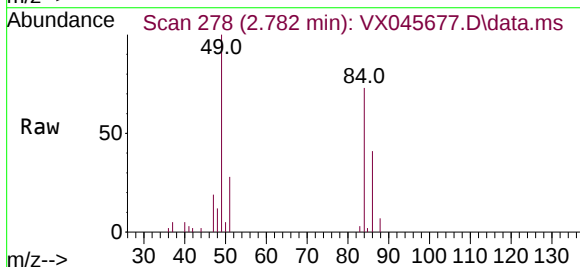
Instrument :
MSVOA_X
ClientSampleId :
PB167492TB

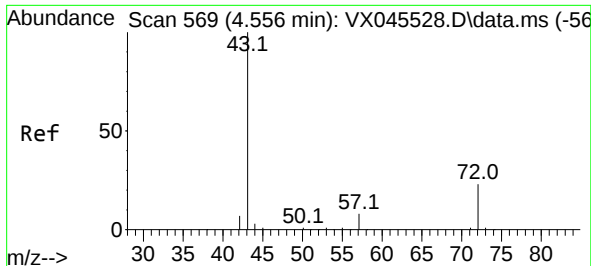
Tgt Ion: 43 Resp: 2101
Ion Ratio Lower Upper
43 100
74 15.5 17.5 26.3#



#20
Methylene Chloride
Concen: 12.596 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Tgt Ion: 84 Resp: 11787
Ion Ratio Lower Upper
84 100
49 137.7 107.5 161.3
51 38.1 33.0 49.6
86 56.3 50.1 75.1





#25

2-Butanone

Concen: 9.336 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX045677.D

Acq: 09 Apr 2025 15:43

Instrument :

MSVOA_X

ClientSampleId :

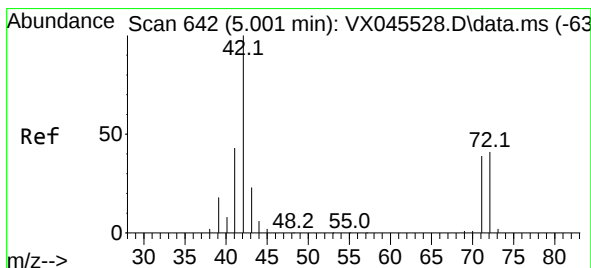
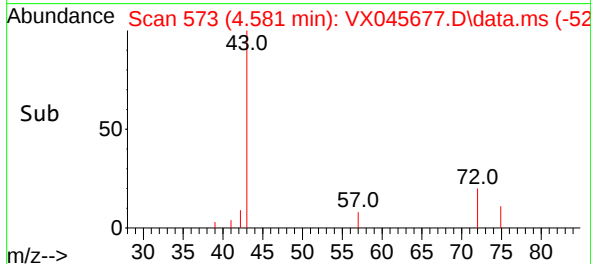
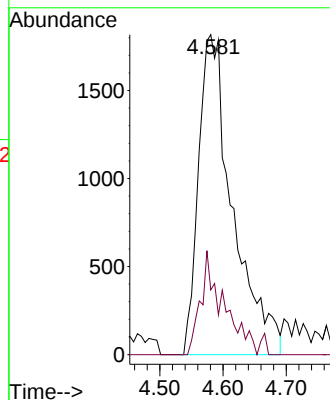
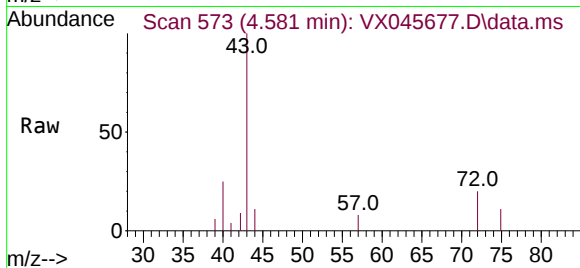
PB167492TB

Tgt Ion: 43 Resp: 6831

Ion Ratio Lower Upper

43 100

72 20.3 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.037 min

Lab File: VX045677.D

Acq: 09 Apr 2025 15:43

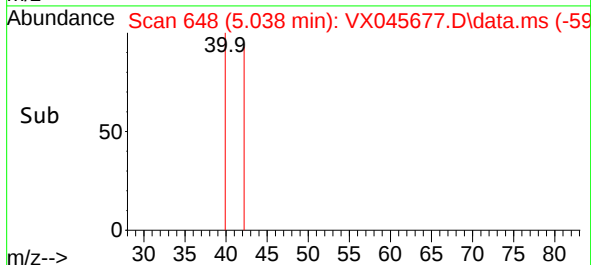
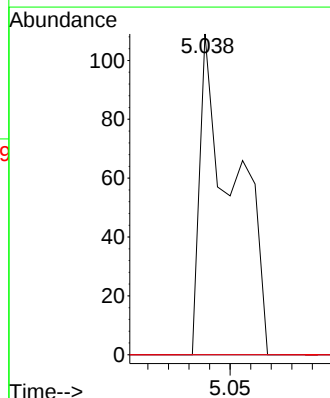
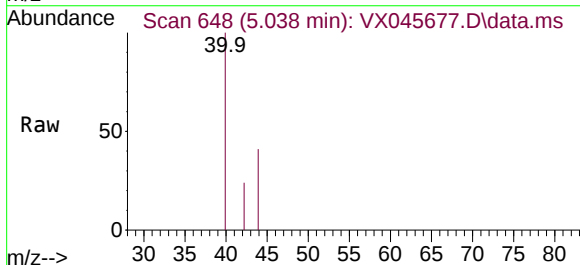
Tgt Ion: 42 Resp: 126

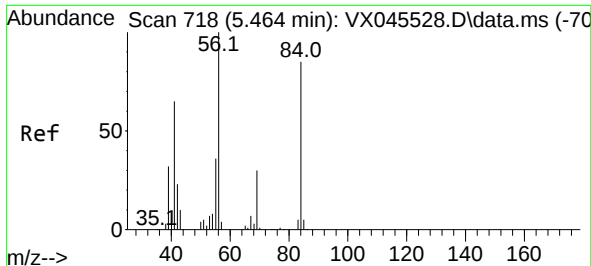
Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#

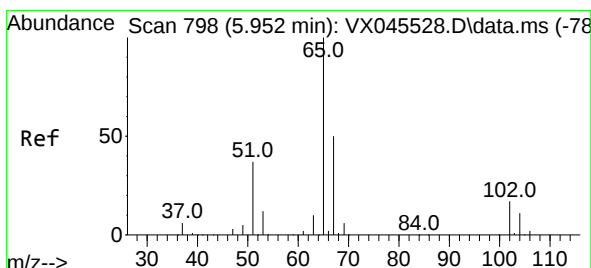
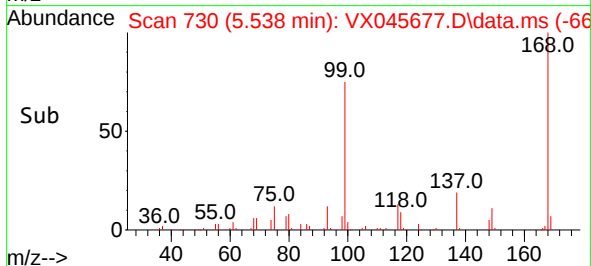
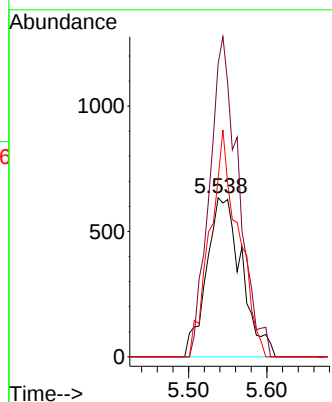
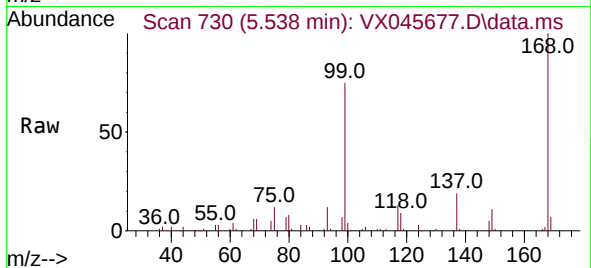




#31
Cyclohexane
Concen: 1.320 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

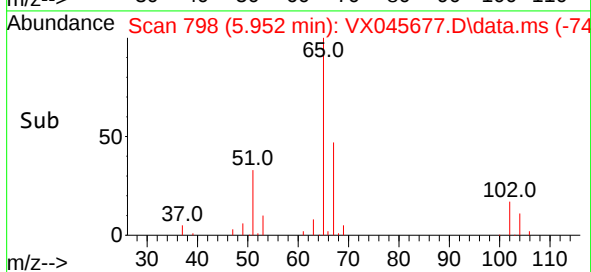
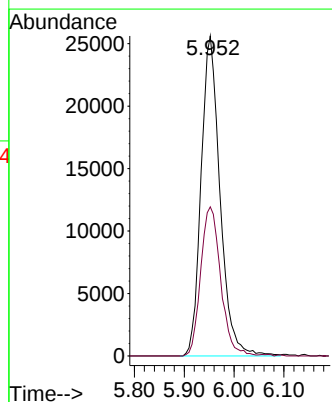
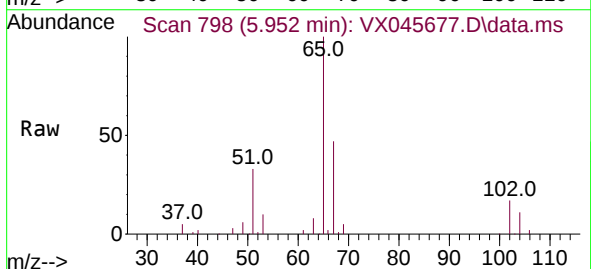
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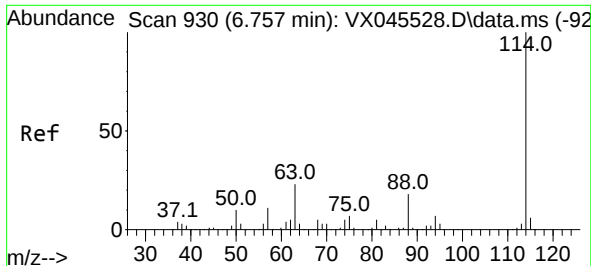
Tgt Ion: 56 Resp: 1971
Ion Ratio Lower Upper
56 100
69 184.4 23.6 35.4#
84 112.0 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 55.561 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Tgt Ion: 65 Resp: 67635
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.0

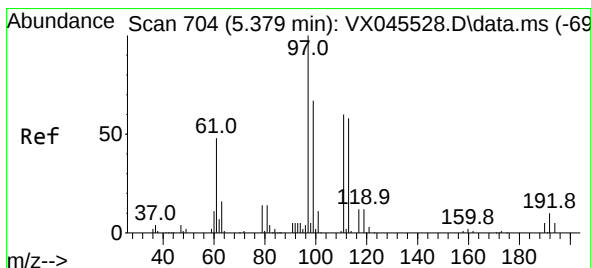
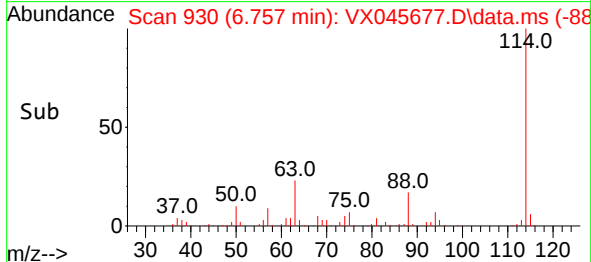
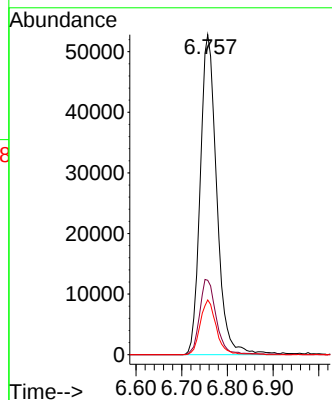
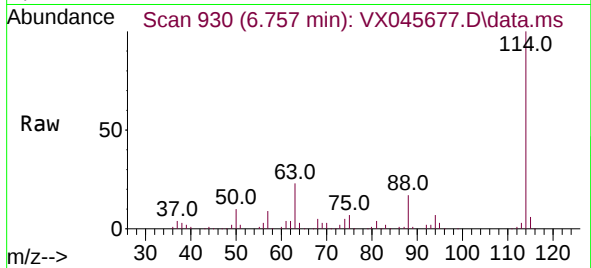




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045677.D
 Acq: 09 Apr 2025 15:43

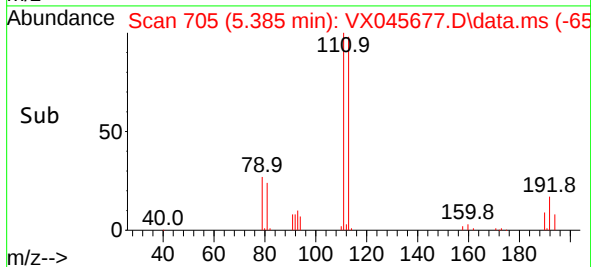
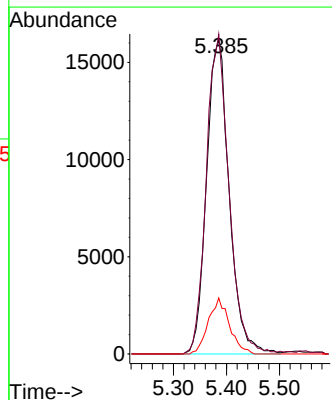
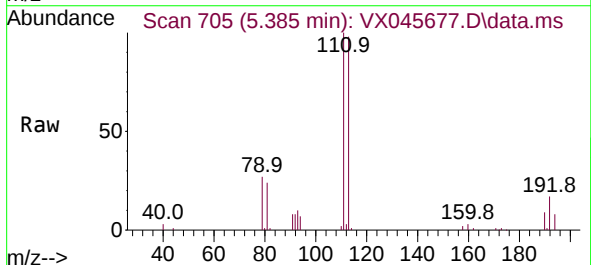
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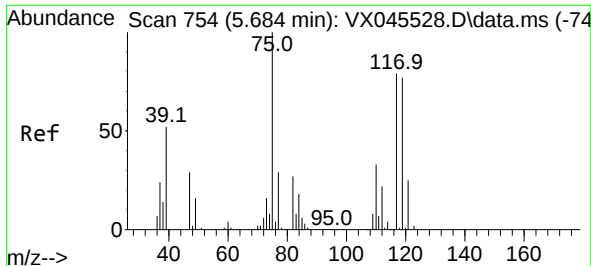
Tgt Ion:114 Resp: 132585
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 46.8
 88 17.1 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 51.043 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX045677.D
 Acq: 09 Apr 2025 15:43

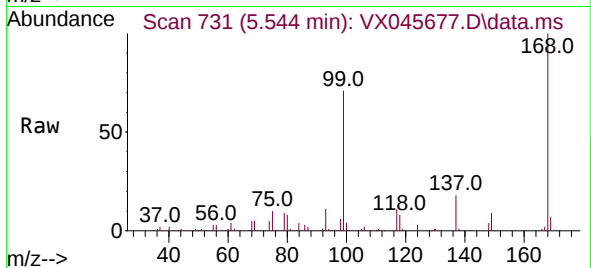
Tgt Ion:113 Resp: 48016
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.8 122.6
 192 16.6 13.8 20.6



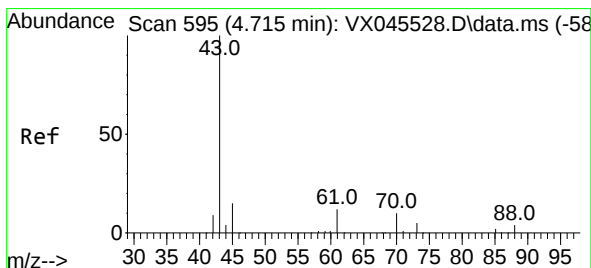
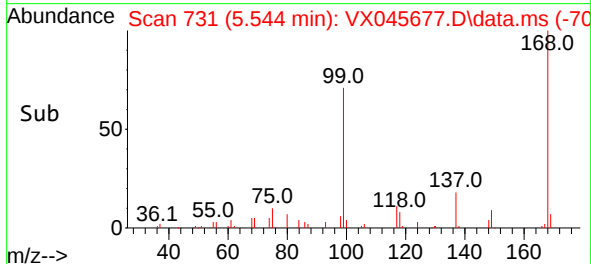
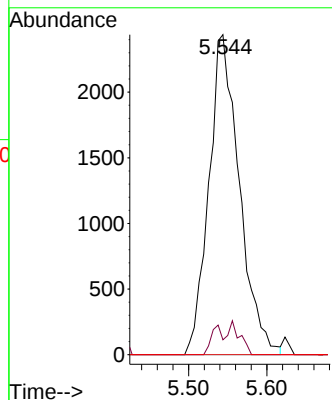


#36
1,1-Dichloropropene
Concen: 5.193 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
PB167492TB

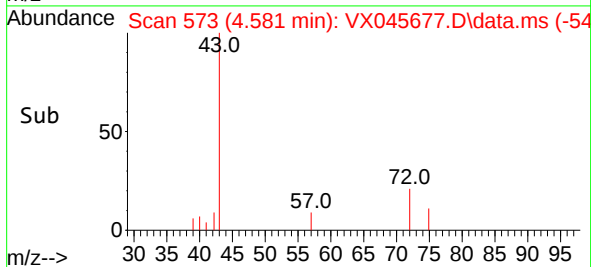
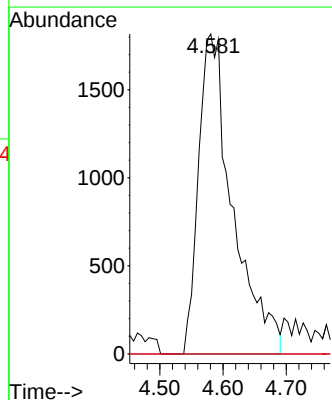
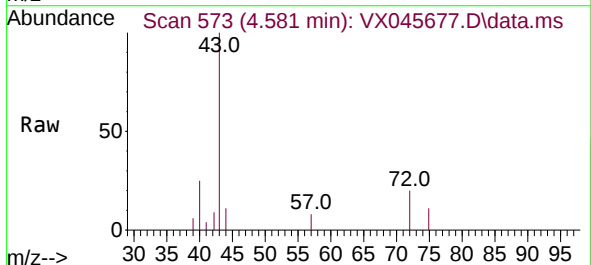


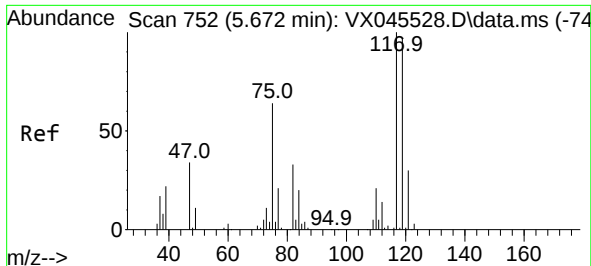
Tgt Ion: 75 Resp: 6596
Ion Ratio Lower Upper
75 100
110 3.3 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 4.268 ug/l
RT: 4.581 min Scan# 573
Delta R.T. -0.134 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

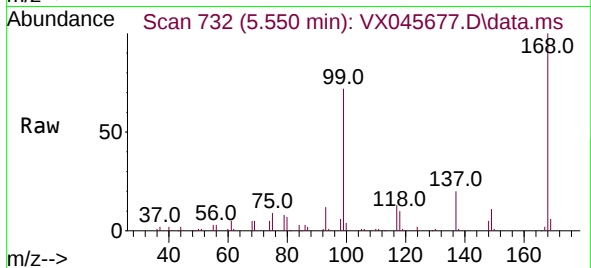
Tgt Ion: 43 Resp: 6831
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#



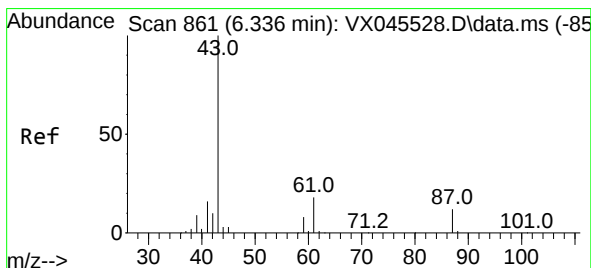
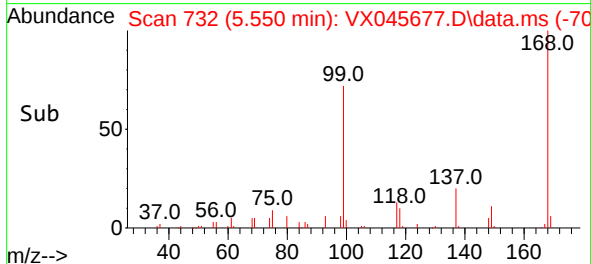
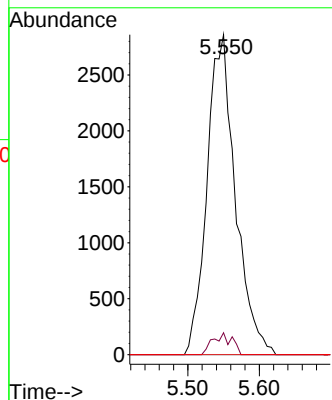


#38
Carbon Tetrachloride
Concen: 5.738 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
PB167492TB

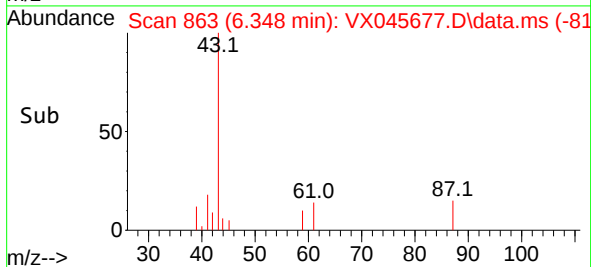
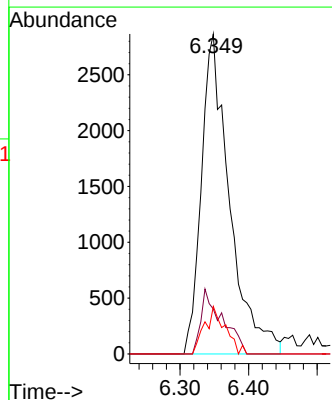
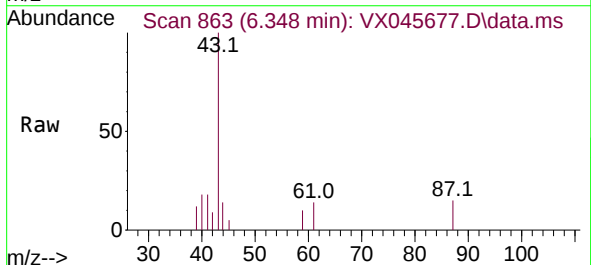


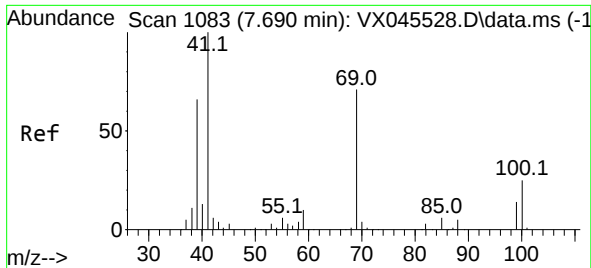
Tgt Ion:117 Resp: 7876
Ion Ratio Lower Upper
117 100
119 6.9 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.378 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Tgt Ion: 43 Resp: 8196
Ion Ratio Lower Upper
43 100
61 15.5 14.1 21.1
87 10.9 9.2 13.8

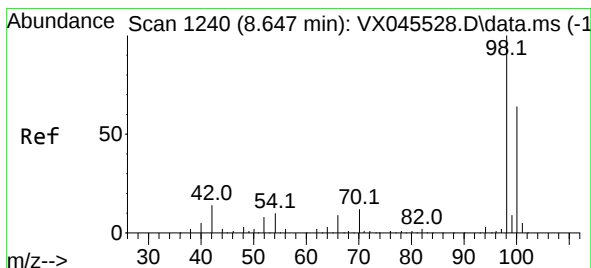
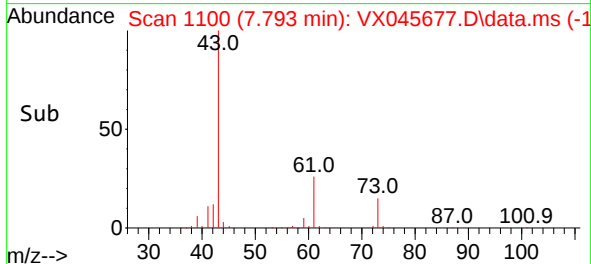
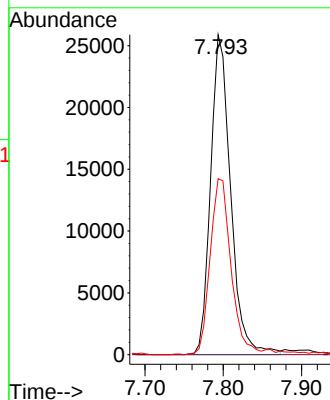
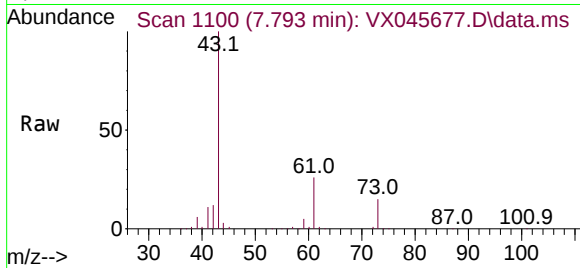




#48
Methyl methacrylate
Concen: 36.698 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

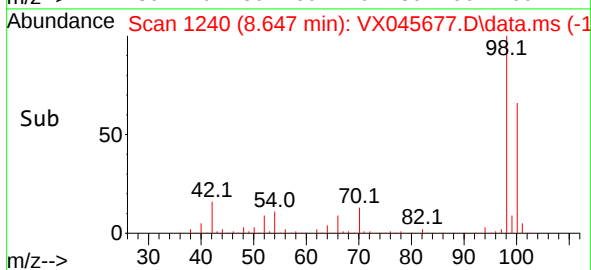
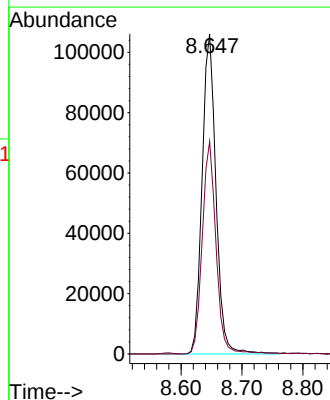
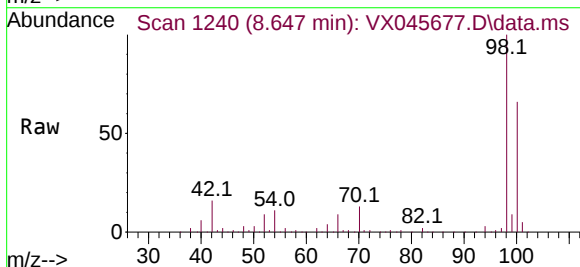
Instrument :
MSVOA_X
ClientSampleId :
PB167492TB

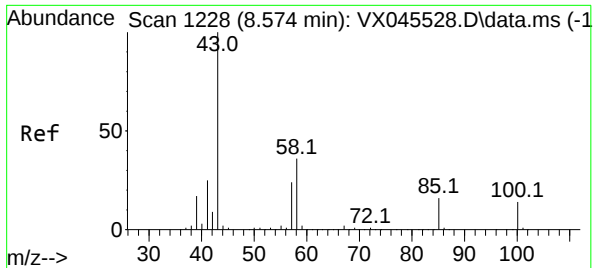
Tgt Ion: 41 Resp: 45967
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.2 53.6 80.4



#50
Toluene-d8
Concen: 51.199 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Tgt Ion: 98 Resp: 168107
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4

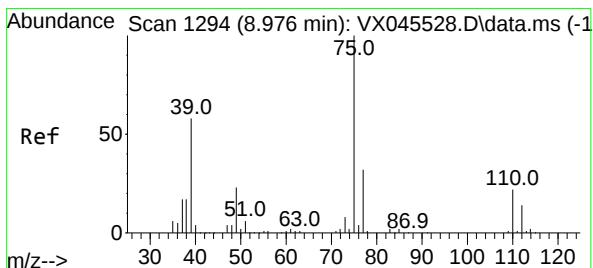
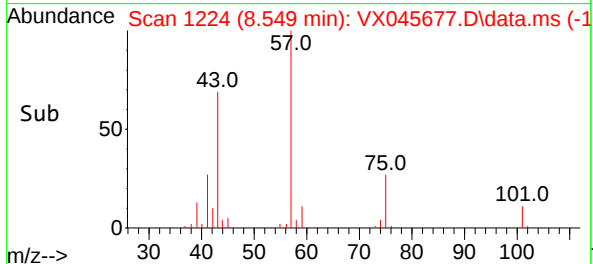
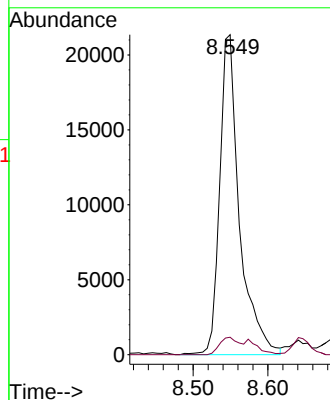
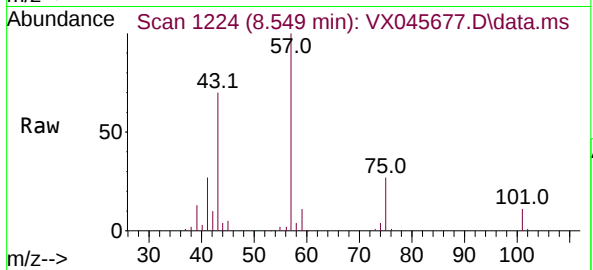




#51
4-Methyl-2-Pentanone
Concen: 24.400 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

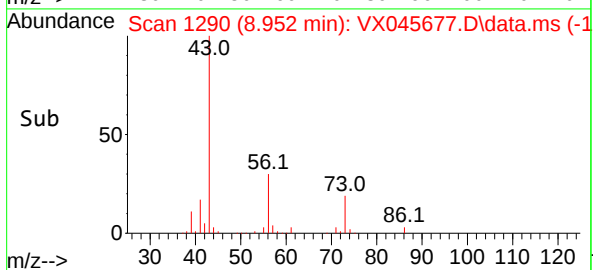
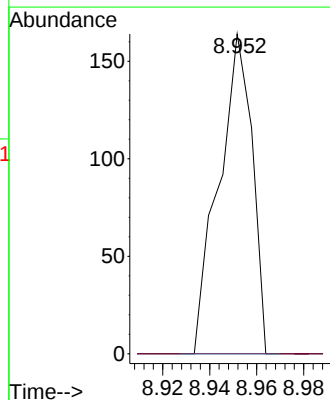
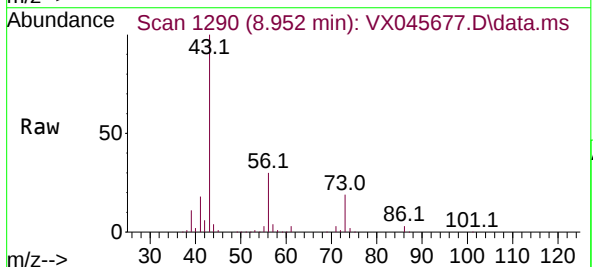
Instrument :
MSVOA_X
ClientSampleId :
PB167492TB

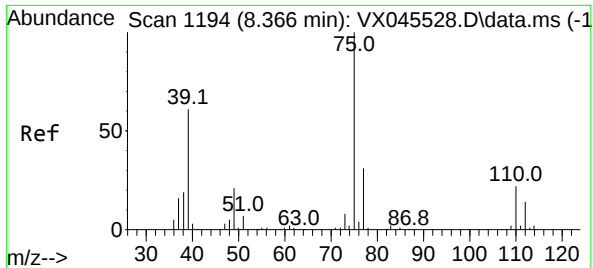
Tgt Ion: 43 Resp: 39241
Ion Ratio Lower Upper
43 100
58 5.6 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.397 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Tgt Ion: 75 Resp: 162
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

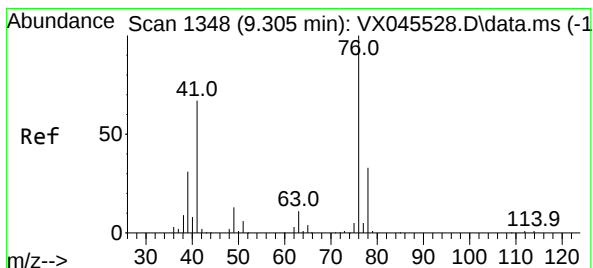
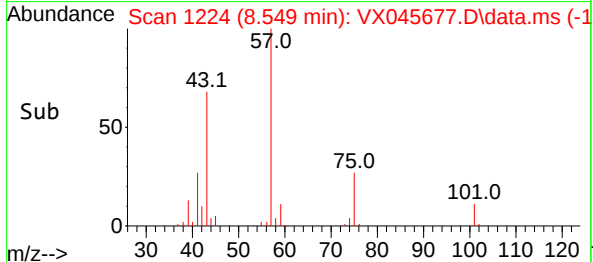
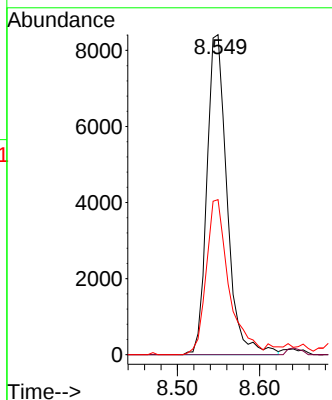
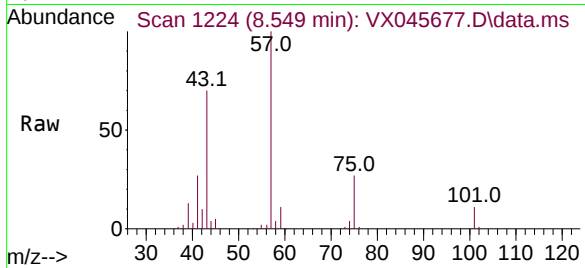




#54
cis-1,3-Dichloropropene
Concen: 10.237 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

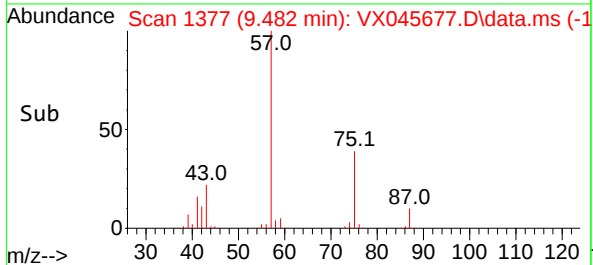
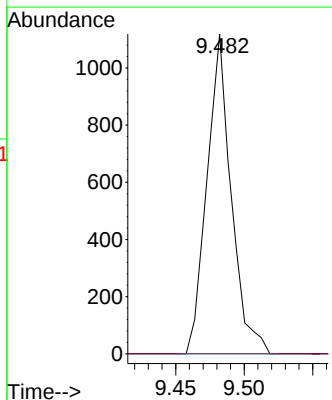
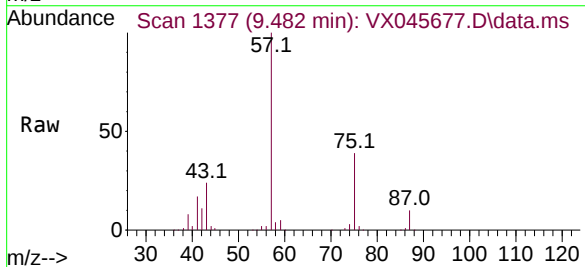
Instrument :
MSVOA_X
ClientSampleId :
PB167492TB

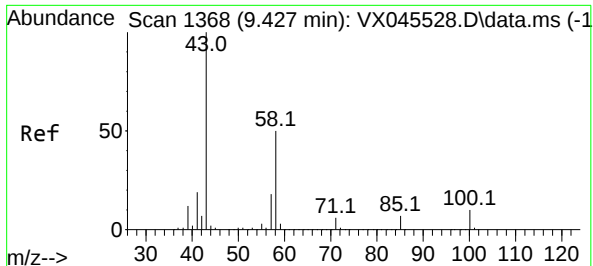
Tgt Ion: 75 Resp: 14274
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 48.5 48.4 72.6



#57
1,3-Dichloropropane
Concen: 0.845 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Tgt Ion: 76 Resp: 1376
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

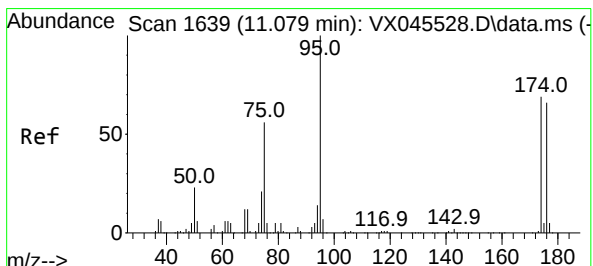
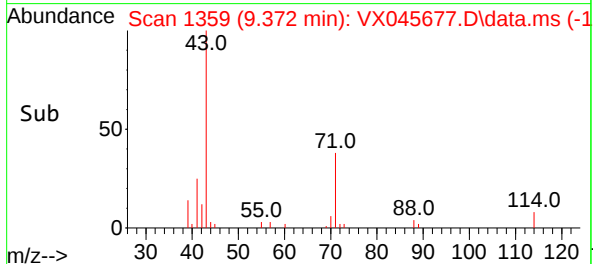
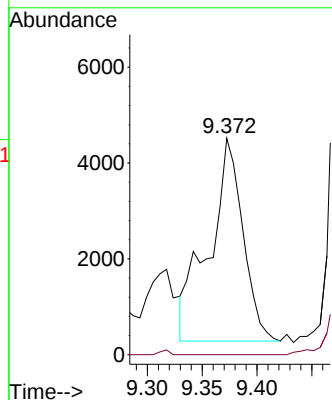
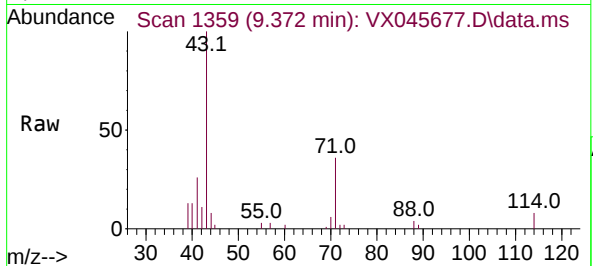




#59
2-Hexanone
Concen: 7.683 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

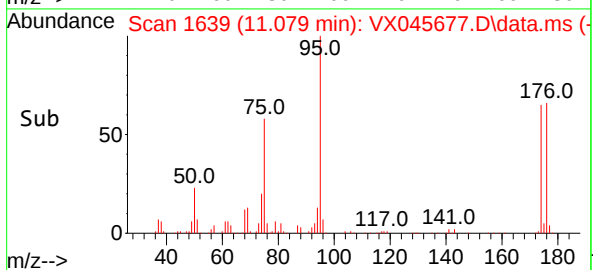
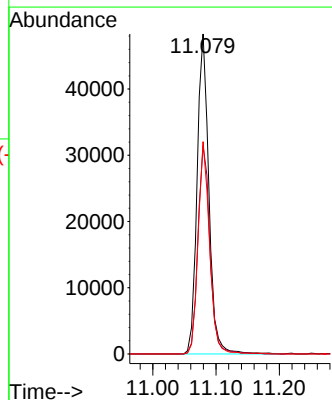
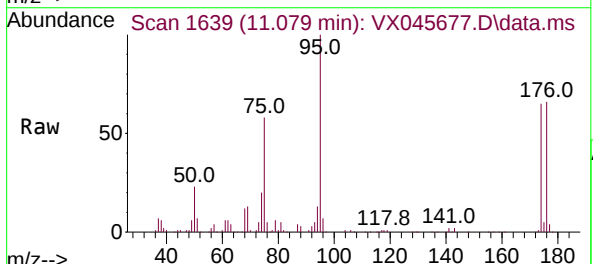
Instrument :
MSVOA_X
ClientSampleId :
PB167492TB

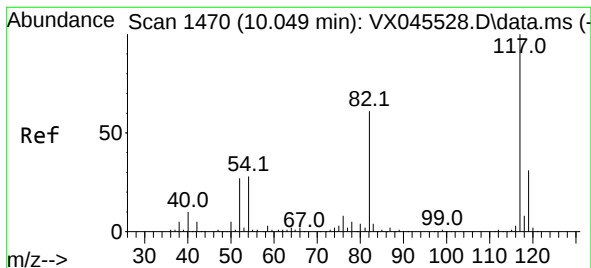
Tgt Ion: 43 Resp: 9150
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.367 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Tgt Ion: 95 Resp: 62629
Ion Ratio Lower Upper
95 100
174 66.5 0.0 135.8
176 64.6 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: VX045677.D

Acq: 09 Apr 2025 15:43

Instrument :

MSVOA_X

ClientSampleId :

PB167492TB

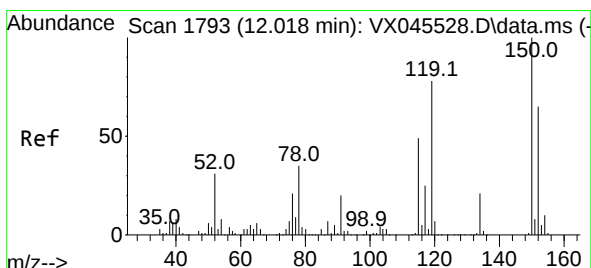
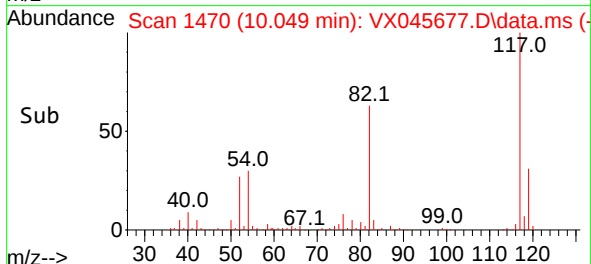
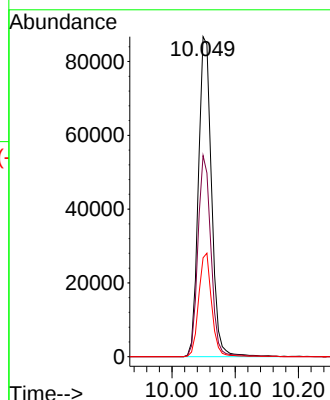
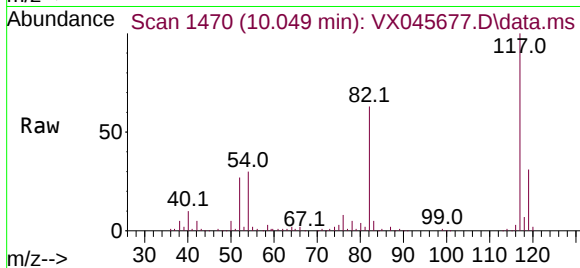
Tgt Ion:117 Resp: 125619

Ion Ratio Lower Upper

117 100

82 62.9 49.2 73.8

119 30.9 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: VX045677.D

Acq: 09 Apr 2025 15:43

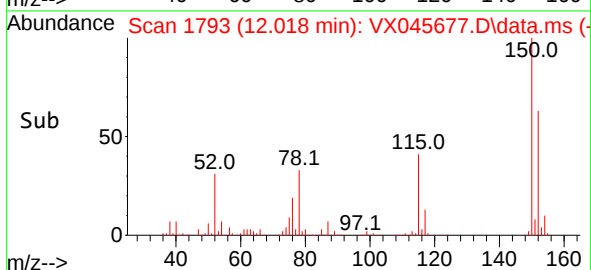
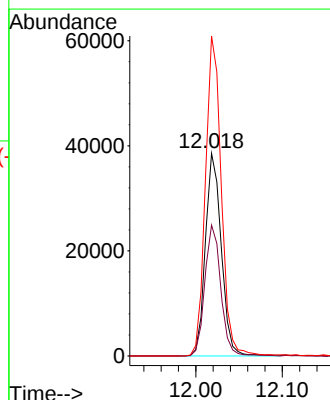
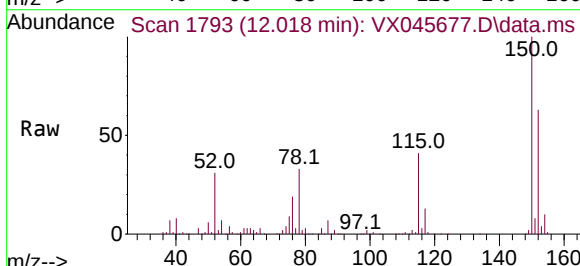
Tgt Ion:152 Resp: 49122

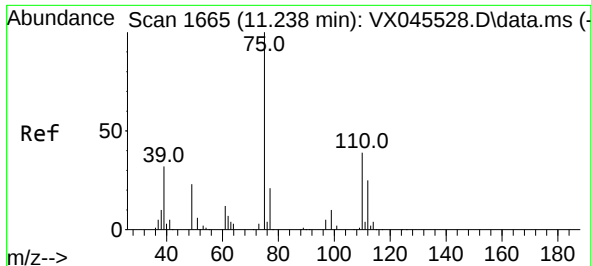
Ion Ratio Lower Upper

152 100

115 64.9 46.9 140.7

150 158.4 0.0 349.4

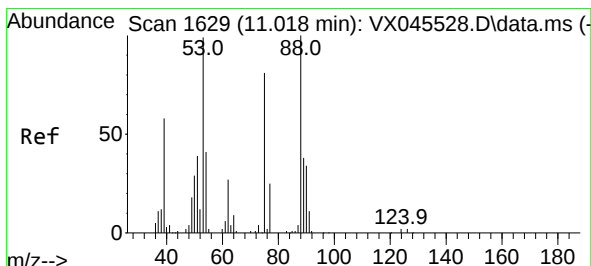
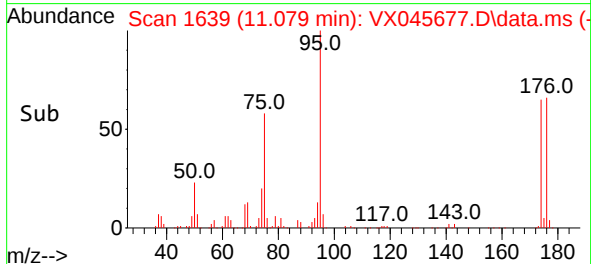
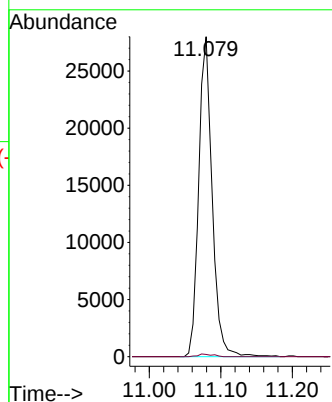
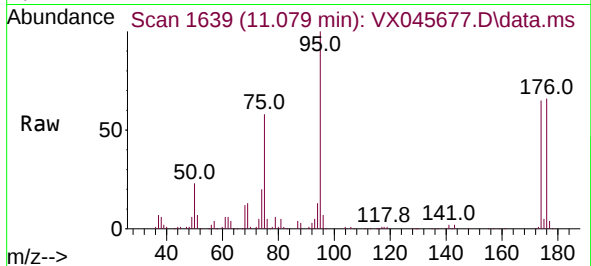




#76
1,2,3-Trichloropropane
Concen: 30.513 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
PB167492TB

Tgt Ion: 75 Resp: 36561
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045677.D
Acq: 09 Apr 2025 15:43

Tgt Ion: 75 Resp: 36561
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

