

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045778.D
 Acq On : 14 Apr 2025 19:03
 Operator : JC/MD
 Sample : Q1787-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: Apr 15 01:31:17 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)

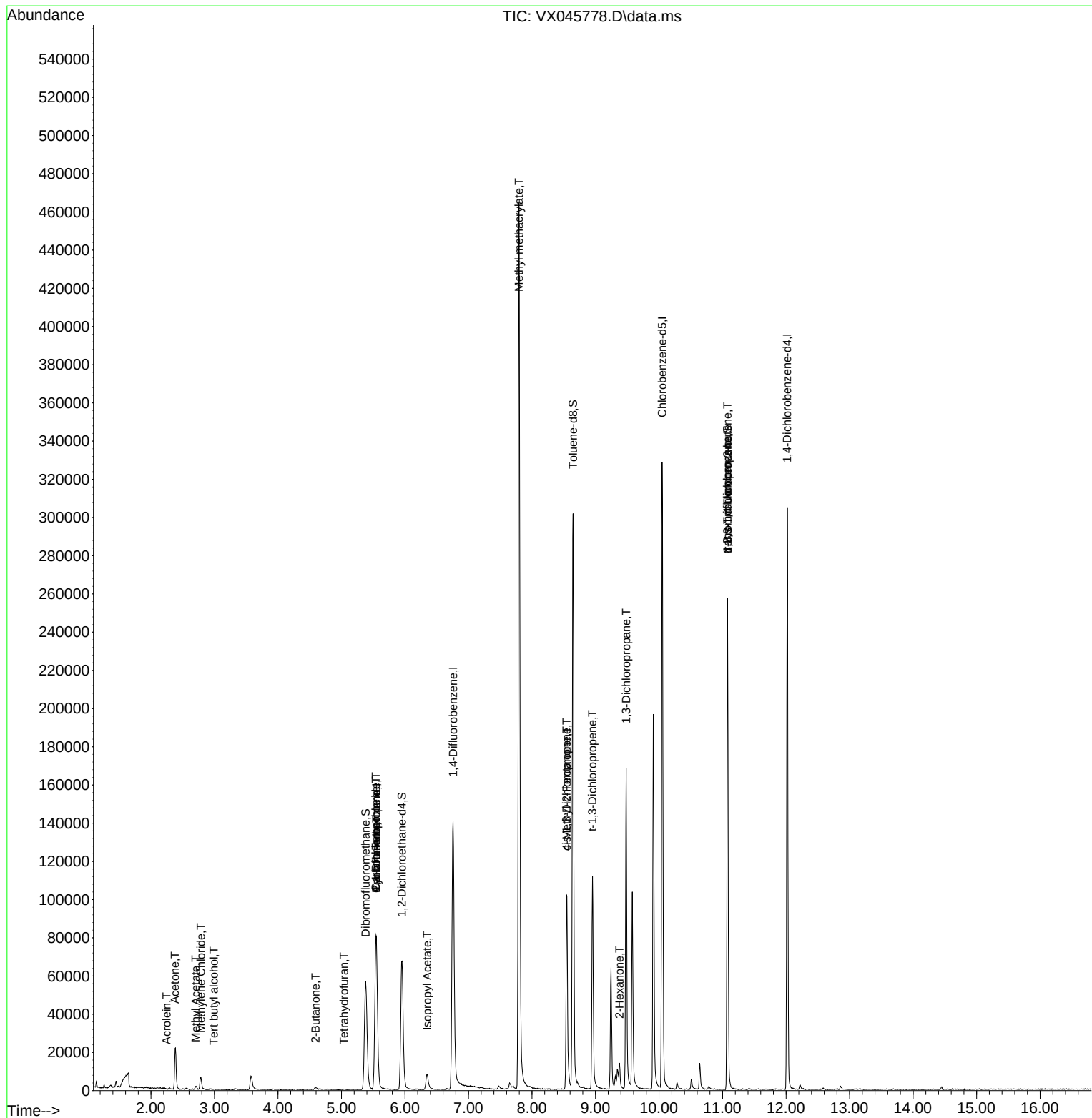
Internal Standards						
1) Pentafluorobenzene	5.550	168	69917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69647	54.471	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.940%		
35) Dibromofluoromethane	5.379	113	49884	50.794	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.580%		
50) Toluene-d8	8.647	98	175149	51.096	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.200%		
62) 4-Bromofluorobenzene	11.079	95	67842	54.335	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 108.660%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	87	0.506	ug/l #	72
13) Acrolein	2.245	56	103	0.435	ug/l #	43
16) Acetone	2.380	43	25091	47.790	ug/l	94
18) Methyl Acetate	2.703	43	2439	2.018	ug/l	98
20) Methylene Chloride	2.788	84	3265	3.322	ug/l	91
25) 2-Butanone	4.593	43	2908	3.784	ug/l #	90
29) Tetrahydrofuran	5.038	42	174	0.349	ug/l #	45
31) Cyclohexane	5.550	56	2132	1.359	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	7176	5.412	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8436	5.887	ug/l #	14
43) Isopropyl Acetate	6.348	43	12684	5.008	ug/l	97
48) Methyl methacrylate	7.793	41	46324	35.425	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	40968	24.401	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	247	2.447	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	15863	10.897	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1373	0.807	ug/l #	42
59) 2-Hexanone	9.378	43	12427	9.995	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	38884	28.390	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38884	96.353	ug/l #	1

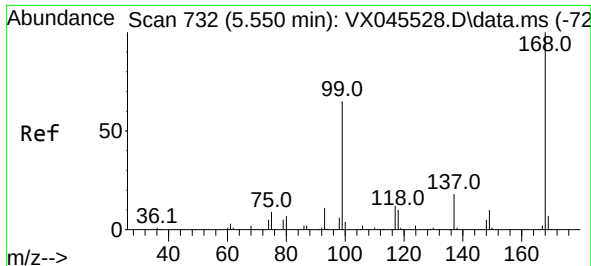
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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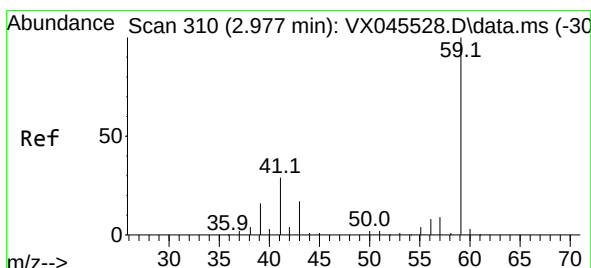
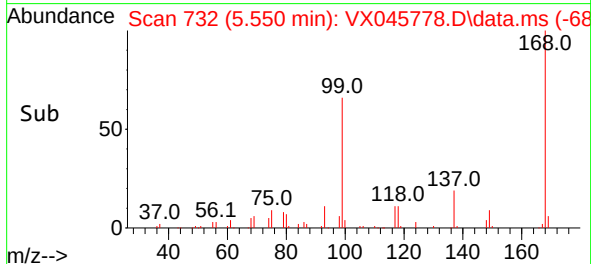
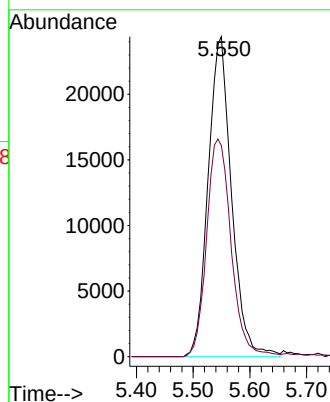
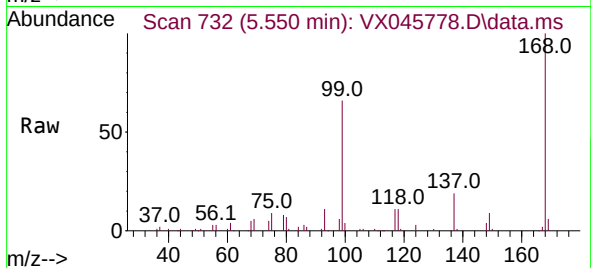




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

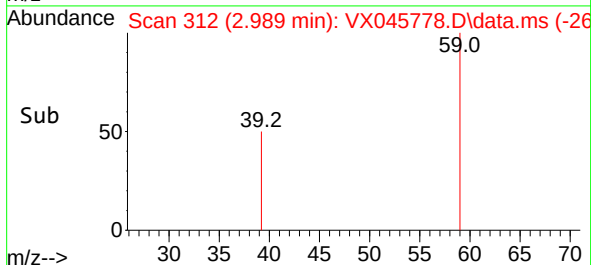
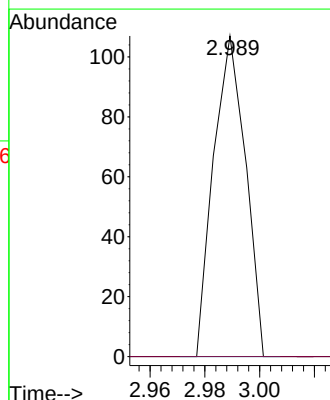
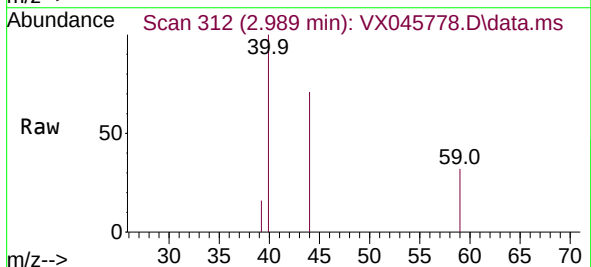
Instrument :
MSVOA_X
ClientSampleId :
TP-1

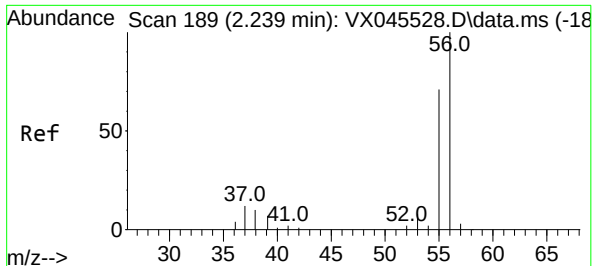
Tgt Ion:168 Resp: 69917
Ion Ratio Lower Upper
168 100
99 66.0 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.506 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.012 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

Tgt Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.435 ug/l

RT: 2.245 min Scan# 19

Delta R.T. 0.006 min

Lab File: VX045778.D

Acq: 14 Apr 2025 19:03

Instrument :

MSVOA_X

ClientSampleId :

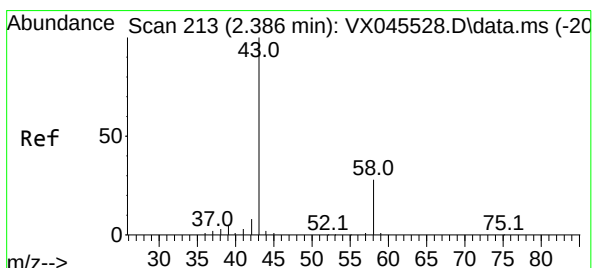
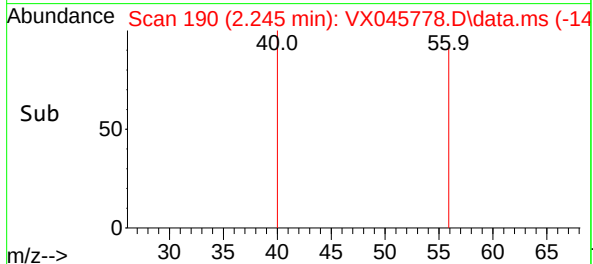
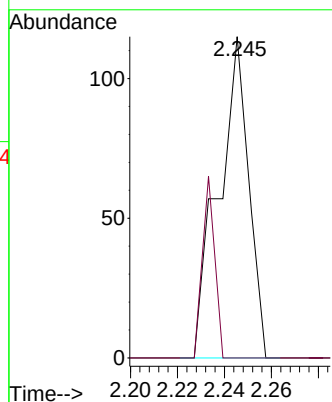
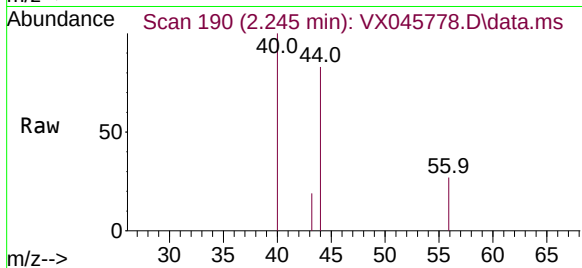
TP-1

Tgt Ion: 56 Resp: 103

Ion Ratio Lower Upper

56 100

55 23.3 56.2 84.2#



#16

Acetone

Concen: 47.790 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045778.D

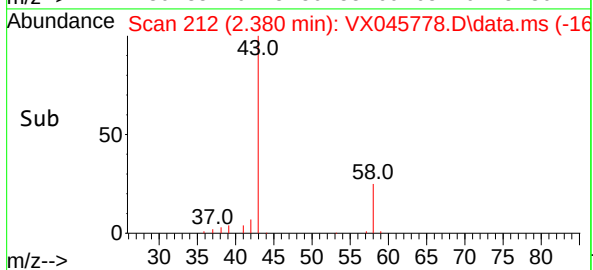
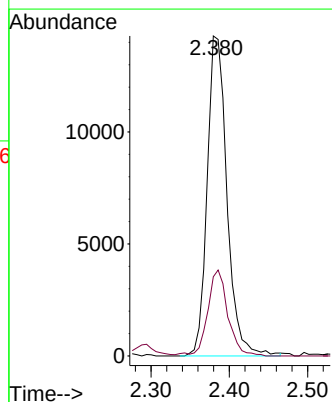
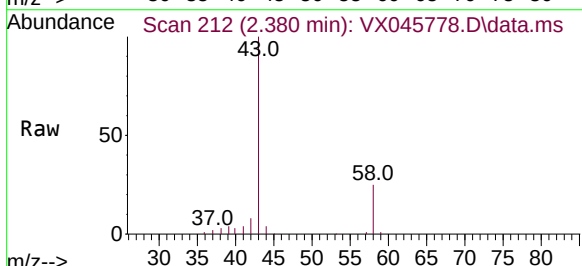
Acq: 14 Apr 2025 19:03

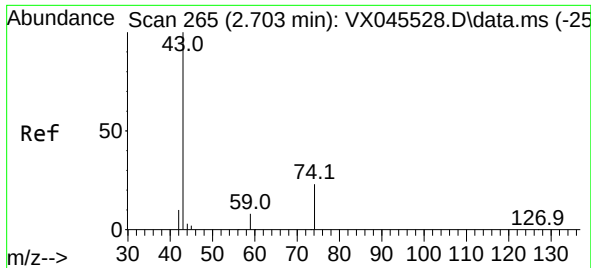
Tgt Ion: 43 Resp: 25091

Ion Ratio Lower Upper

43 100

58 24.8 22.3 33.5

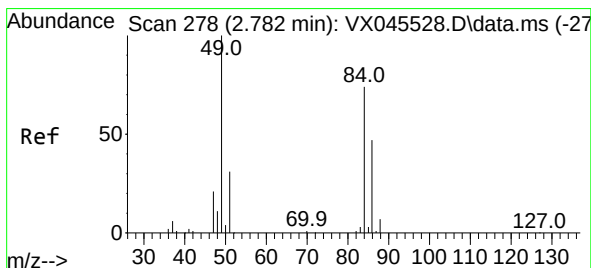
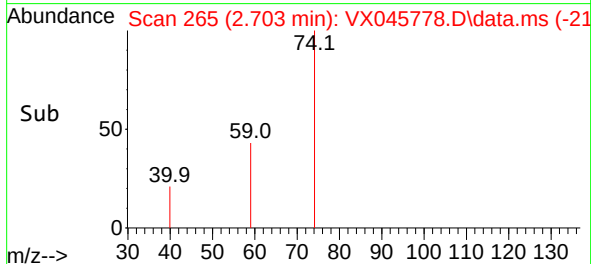
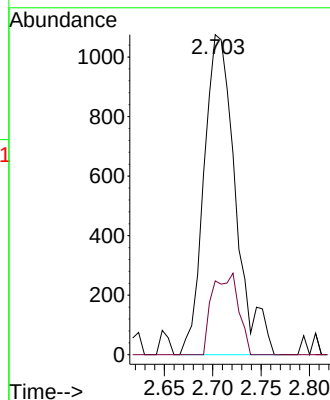
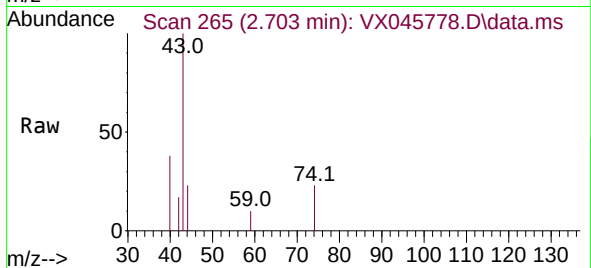




#18
Methyl Acetate
Concen: 2.018 ug/l
RT: 2.703 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

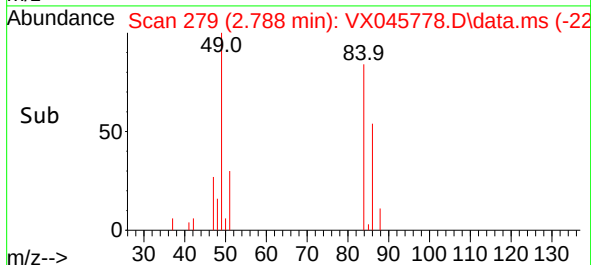
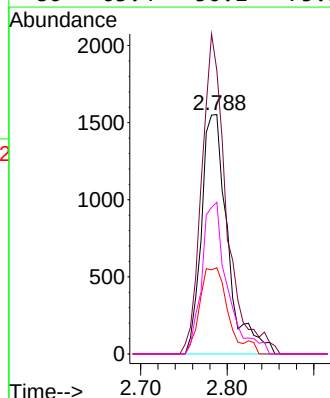
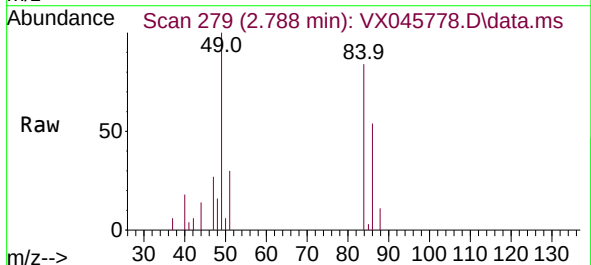
Instrument :
MSVOA_X
ClientSampleId :
TP-1

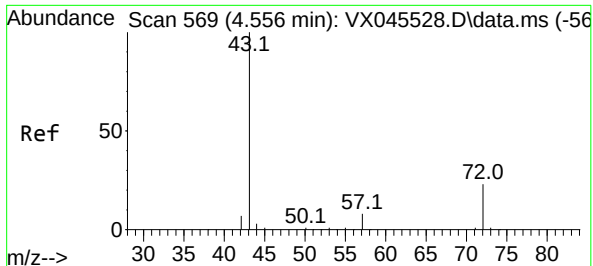
Tgt Ion: 43 Resp: 2439
Ion Ratio Lower Upper
43 100
74 21.1 17.5 26.3



#20
Methylene Chloride
Concen: 3.322 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

Tgt Ion: 84 Resp: 3265
Ion Ratio Lower Upper
84 100
49 118.5 107.5 161.3
51 36.0 33.0 49.6
86 63.4 50.1 75.1

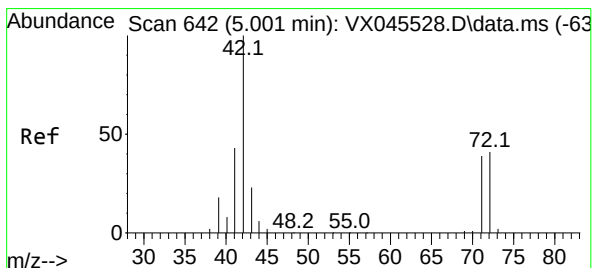
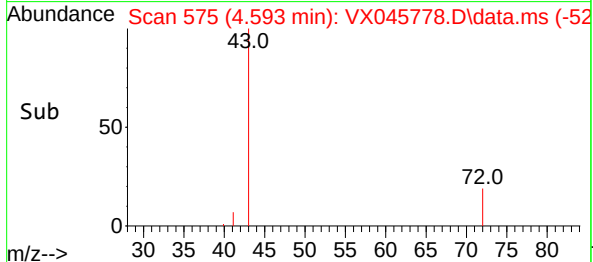
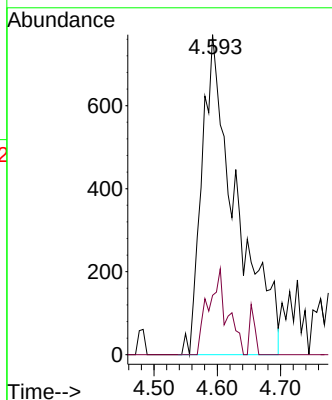
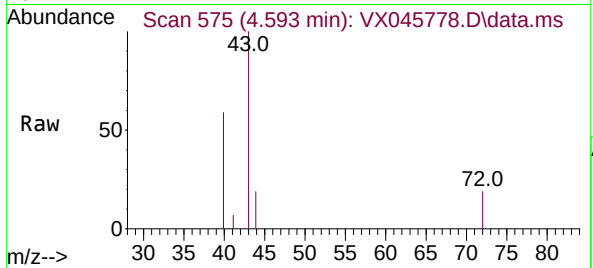




#25
2-Butanone
Concen: 3.784 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

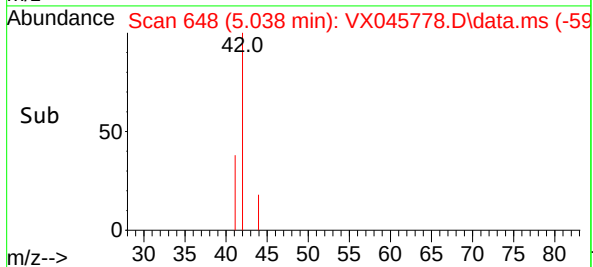
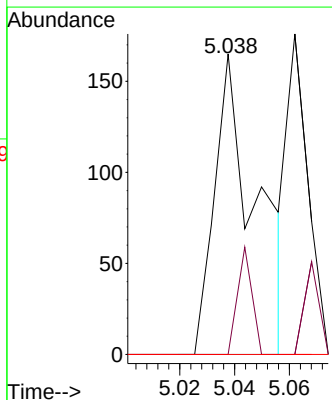
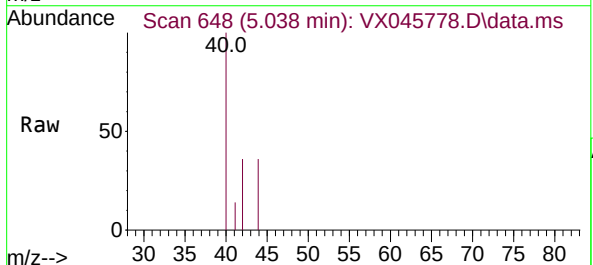
Instrument :
MSVOA_X
ClientSampleId :
TP-1

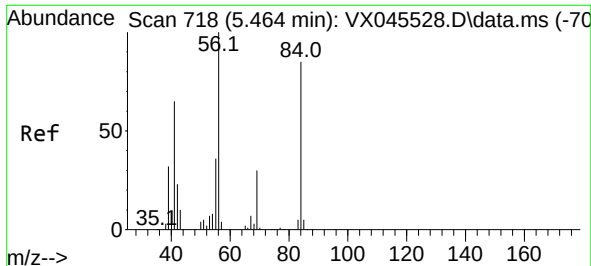
Tgt Ion: 43 Resp: 2908
Ion Ratio Lower Upper
43 100
72 18.5 18.6 28.0#



#29
Tetrahydrofuran
Concen: 0.349 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

Tgt Ion: 42 Resp: 174
Ion Ratio Lower Upper
42 100
72 12.6 33.4 50.0#
71 0.0 31.4 47.0#

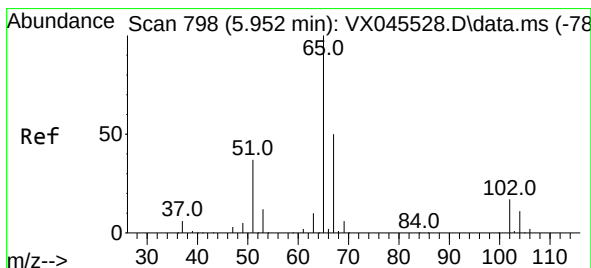
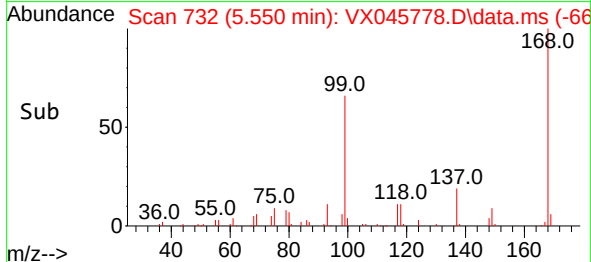
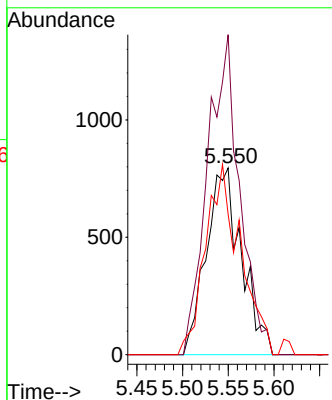
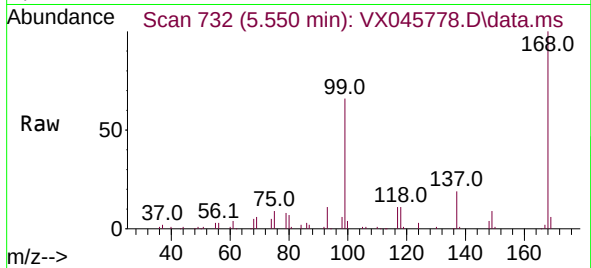




#31
Cyclohexane
Concen: 1.359 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

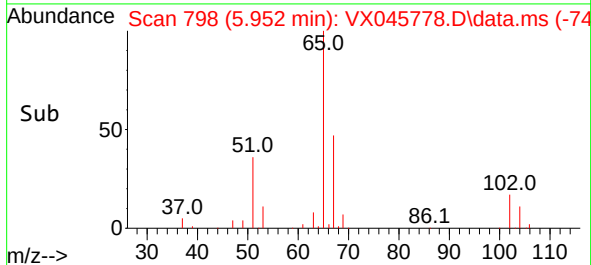
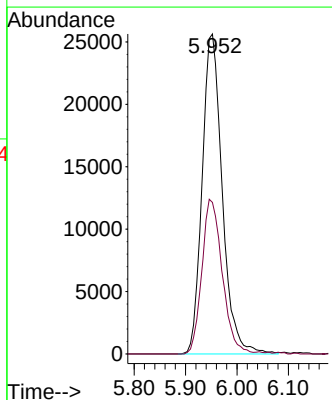
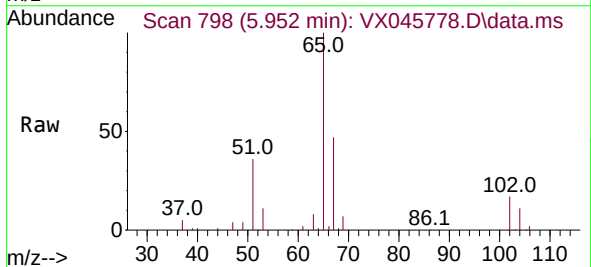
Instrument :
MSVOA_X
ClientSampleId :
TP-1

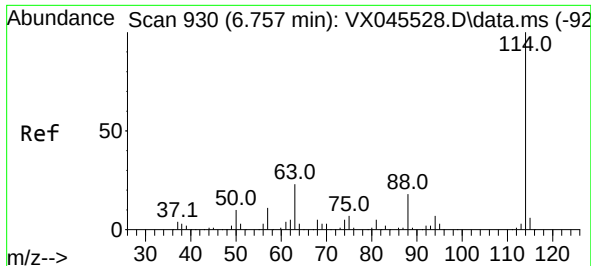
Tgt Ion: 56 Resp: 2132
Ion Ratio Lower Upper
56 100
69 171.4 23.6 35.4#
84 75.2 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.471 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

Tgt Ion: 65 Resp: 69647
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

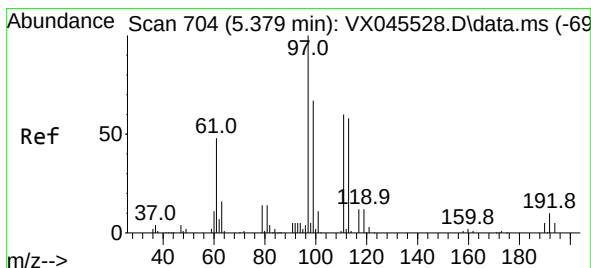
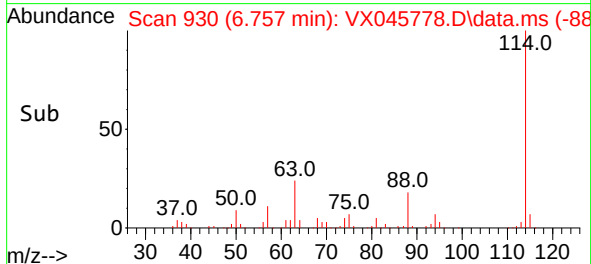
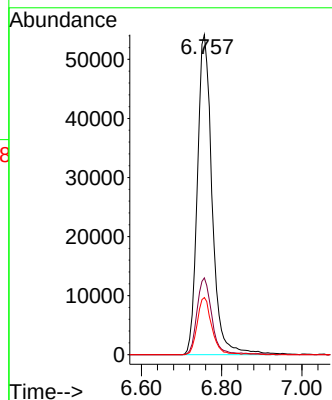
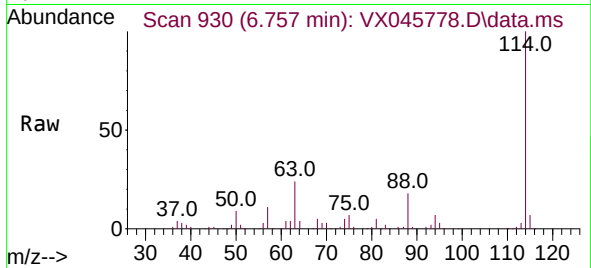




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045778.D
 Acq: 14 Apr 2025 19:03

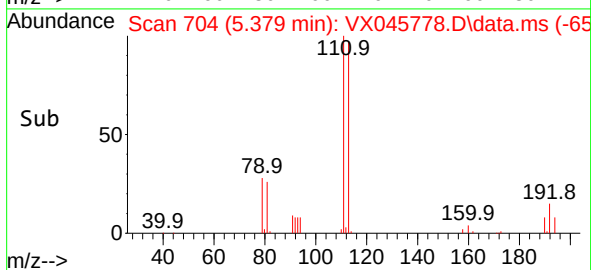
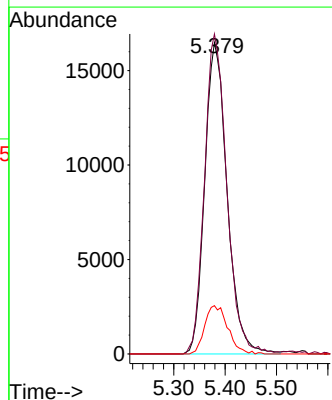
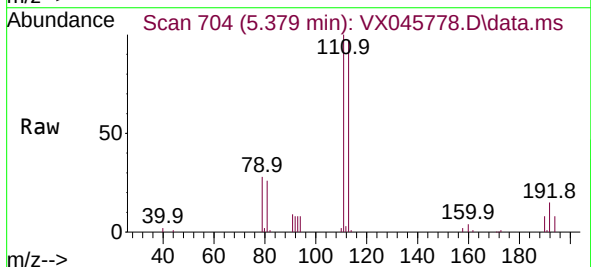
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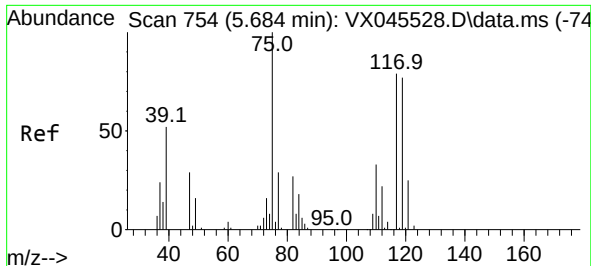
Tgt Ion:114 Resp: 138419
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 46.8
 88 17.9 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 50.794 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.000 min
 Lab File: VX045778.D
 Acq: 14 Apr 2025 19:03

Tgt Ion:113 Resp: 49884
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.8 122.6
 192 16.0 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.412 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045778.D

Acq: 14 Apr 2025 19:03

Instrument :

MSVOA_X

ClientSampleId :

TP-1

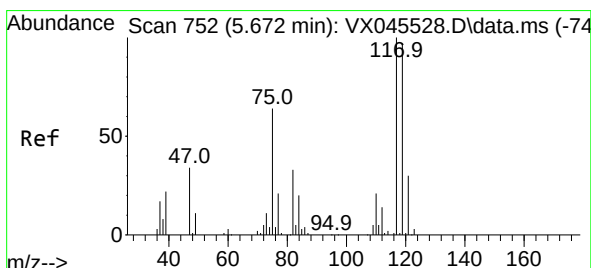
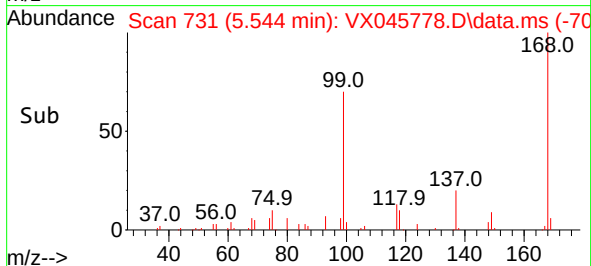
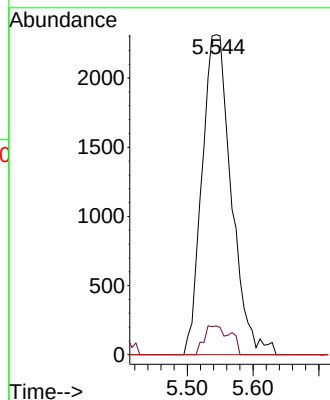
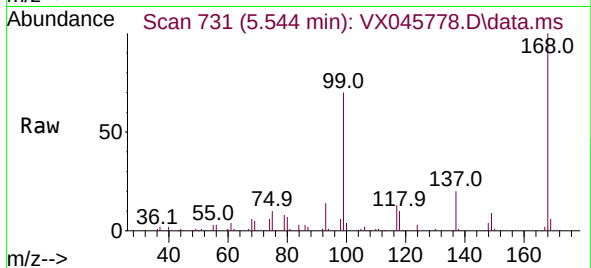
Tgt Ion: 75 Resp: 7176

Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045778.D

Acq: 14 Apr 2025 19:03

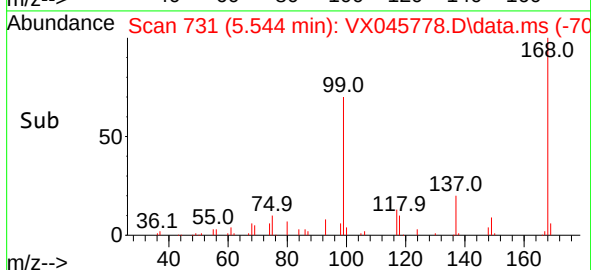
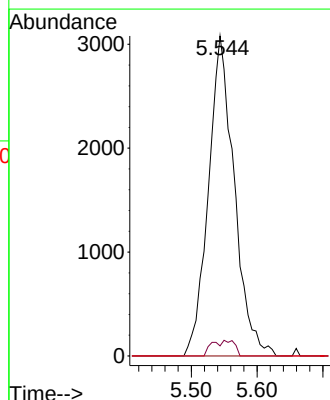
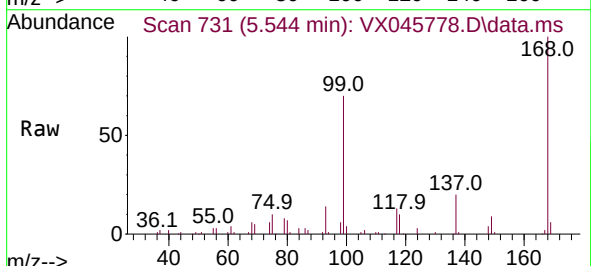
Tgt Ion: 117 Resp: 8436

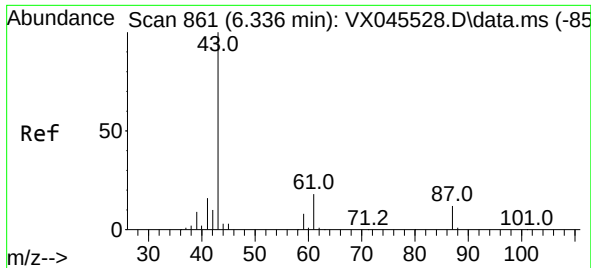
Ion Ratio Lower Upper

117 100

119 3.2 76.9 115.3#

121 0.0 24.2 36.2#

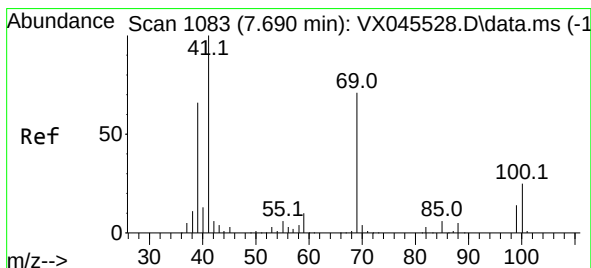
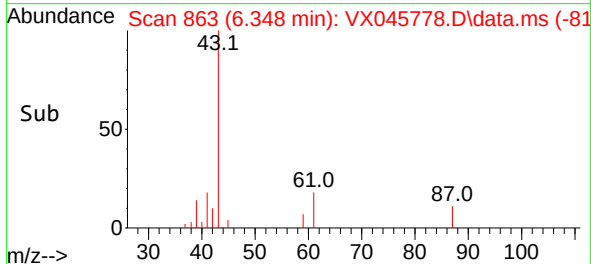
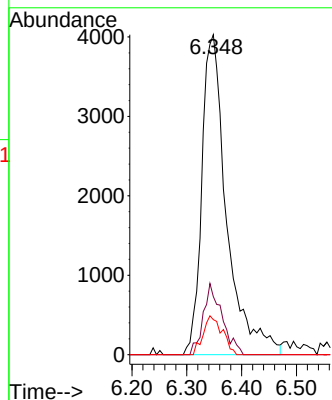
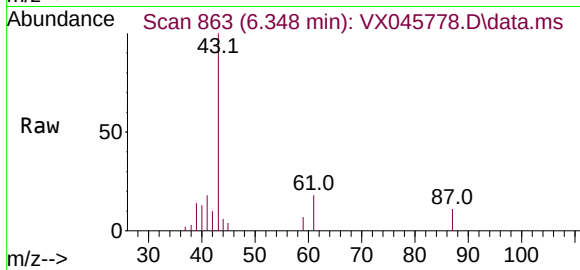




#43
Isopropyl Acetate
Concen: 5.008 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

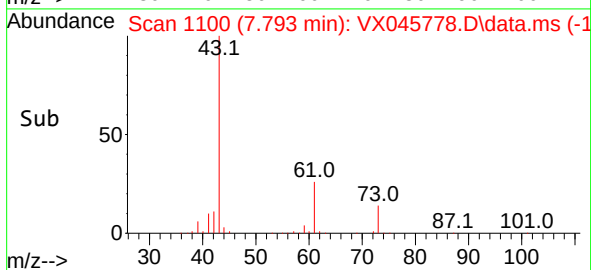
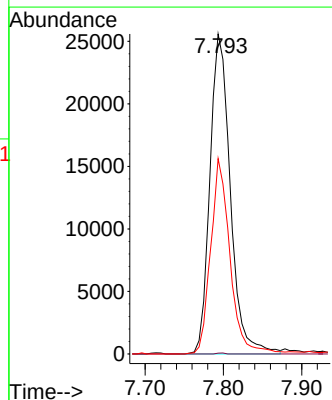
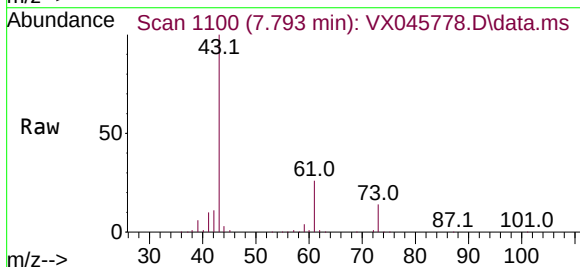
Instrument :
MSVOA_X
ClientSampleId :
TP-1

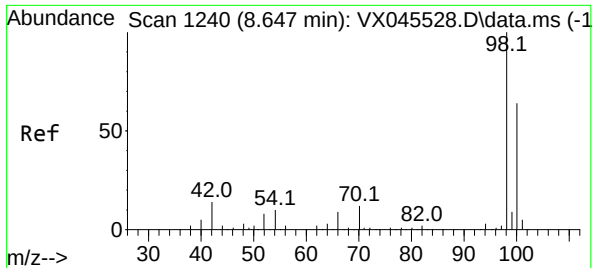
Tgt Ion: 43 Resp: 12684
Ion Ratio Lower Upper
43 100
61 16.8 14.1 21.1
87 9.3 9.2 13.8



#48
Methyl methacrylate
Concen: 35.425 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

Tgt Ion: 41 Resp: 46324
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 57.9 53.6 80.4

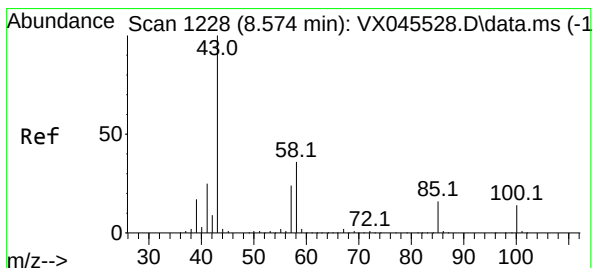
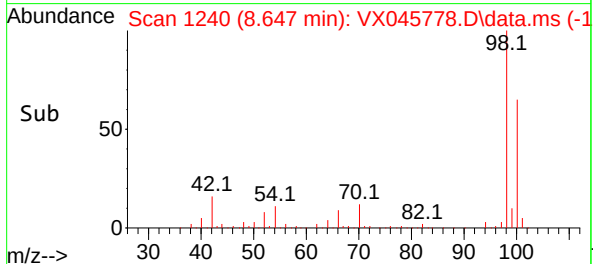
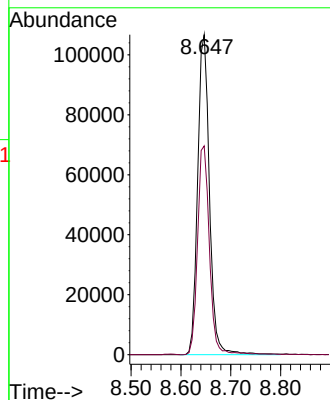
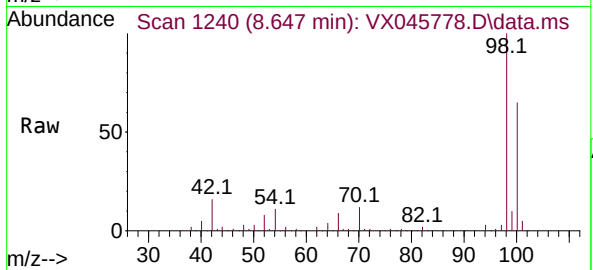




#50
Toluene-d8
Concen: 51.096 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

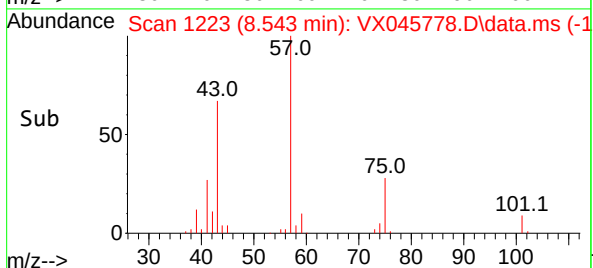
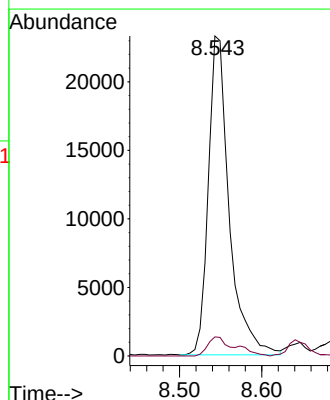
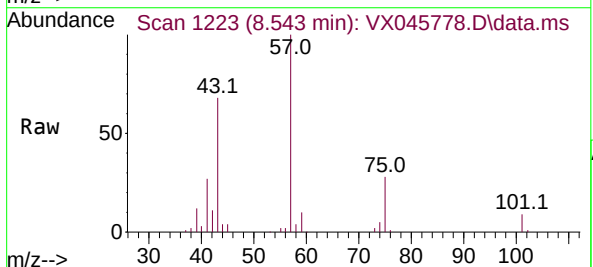
Instrument :
MSVOA_X
ClientSampleId :
TP-1

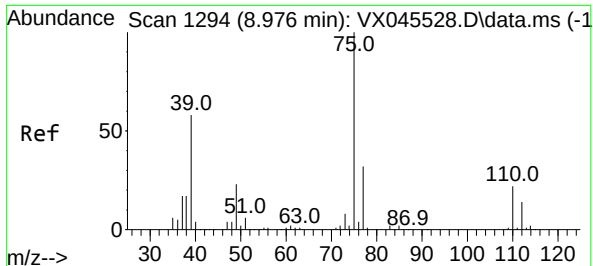
Tgt Ion: 98 Resp: 175149
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 24.401 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

Tgt Ion: 43 Resp: 40968
Ion Ratio Lower Upper
43 100
58 7.7 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.447 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045778.D

Acq: 14 Apr 2025 19:03

Instrument :

MSVOA_X

ClientSampleId :

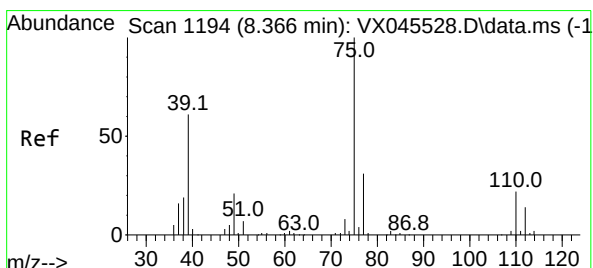
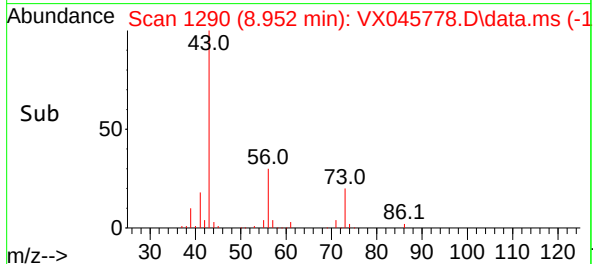
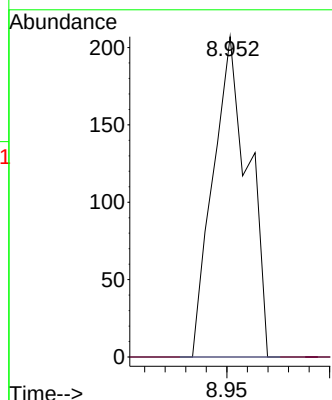
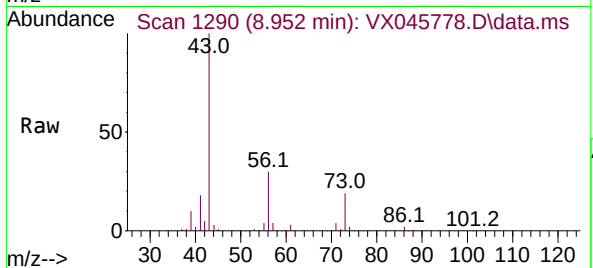
TP-1

Tgt Ion: 75 Resp: 247

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 10.897 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. 0.177 min

Lab File: VX045778.D

Acq: 14 Apr 2025 19:03

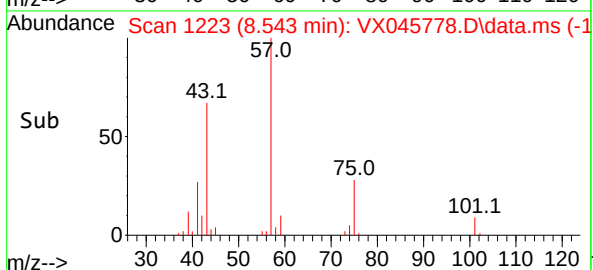
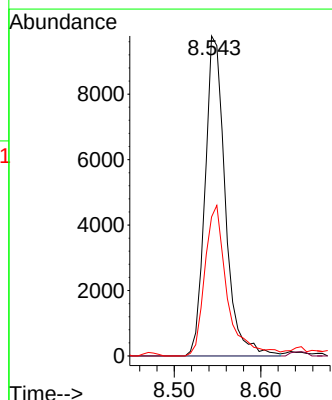
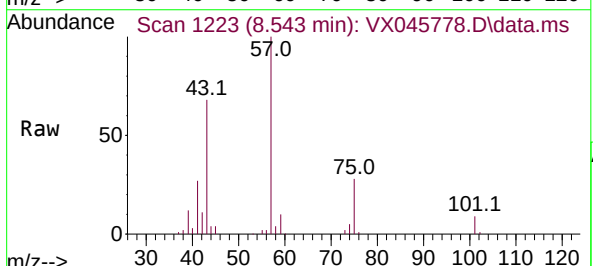
Tgt Ion: 75 Resp: 15863

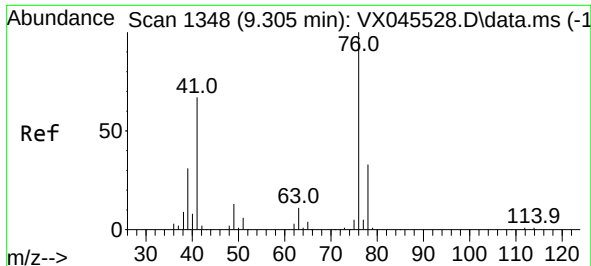
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 43.4 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.807 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX045778.D

Acq: 14 Apr 2025 19:03

Instrument :

MSVOA_X

ClientSampleId :

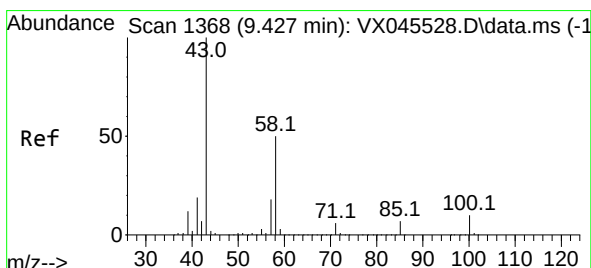
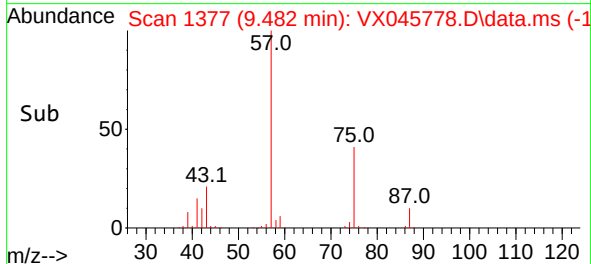
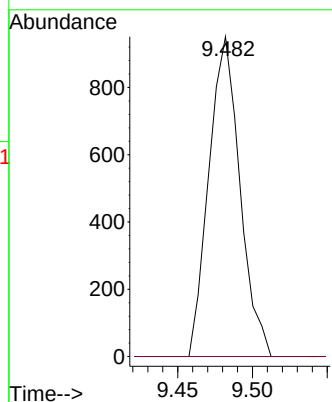
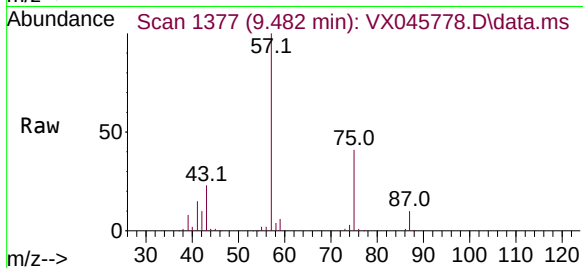
TP-1

Tgt Ion: 76 Resp: 1373

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 9.995 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045778.D

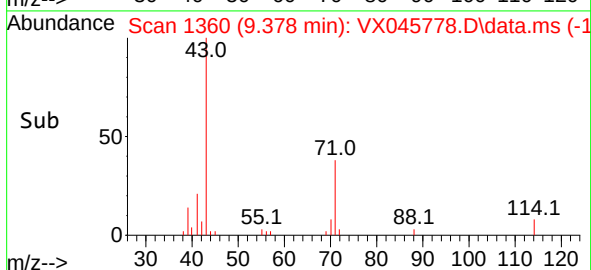
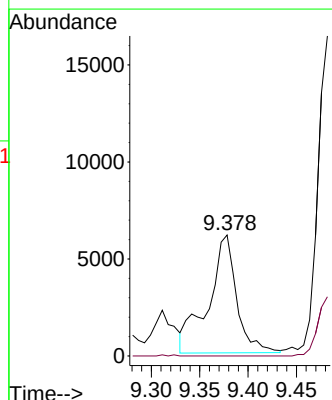
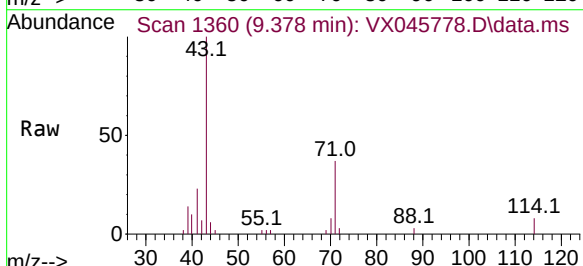
Acq: 14 Apr 2025 19:03

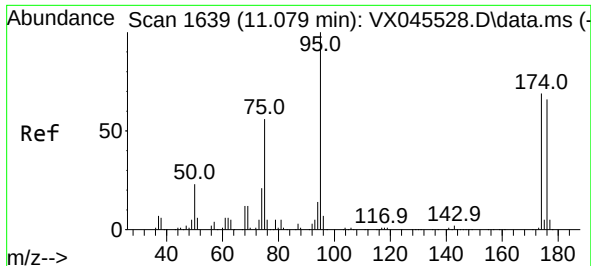
Tgt Ion: 43 Resp: 12427

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

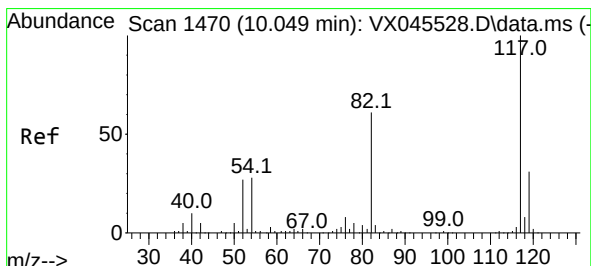
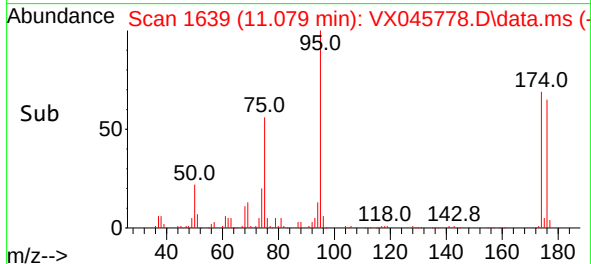
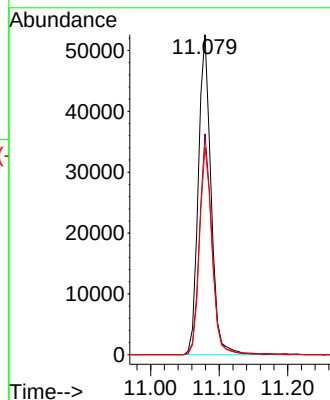
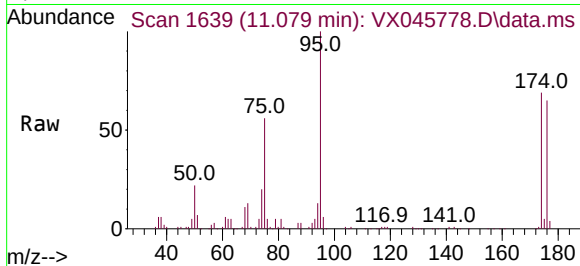




#62
4-Bromofluorobenzene
Concen: 54.335 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

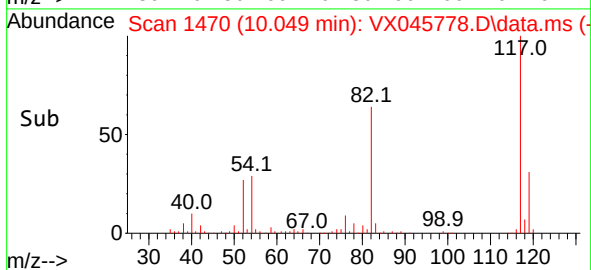
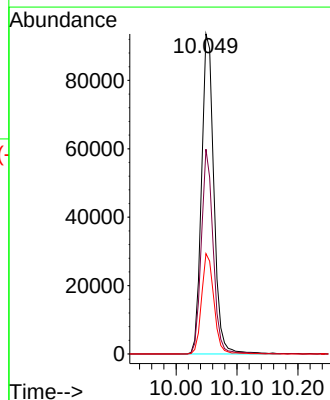
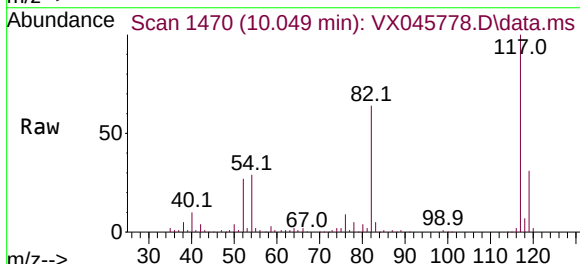
Instrument :
MSVOA_X
ClientSampleId :
TP-1

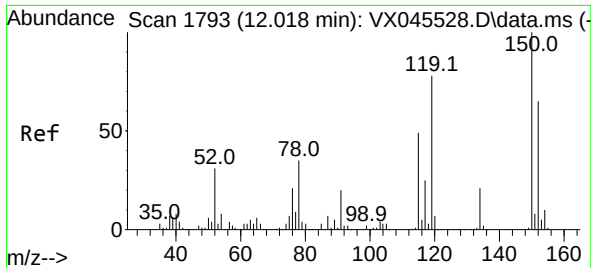
Tgt Ion: 95 Resp: 67842
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 64.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045778.D
Acq: 14 Apr 2025 19:03

Tgt Ion: 117 Resp: 132123
Ion Ratio Lower Upper
117 100
82 64.0 49.2 73.8
119 31.3 25.1 37.7

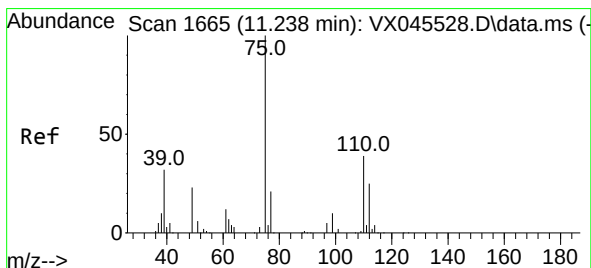
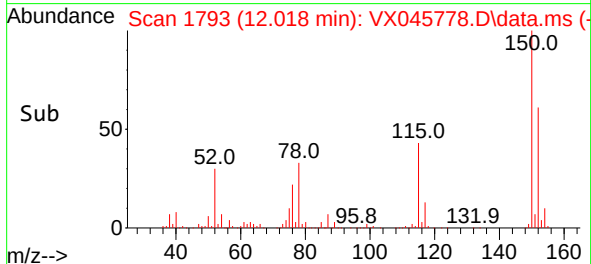
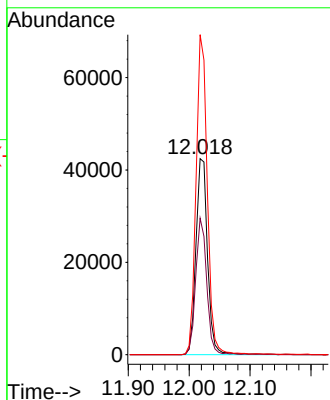
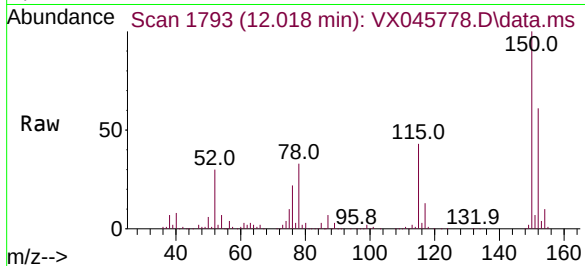




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045778.D
 Acq: 14 Apr 2025 19:03

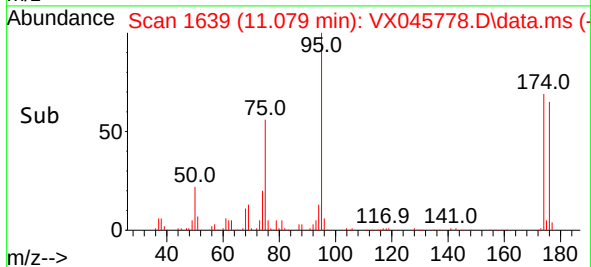
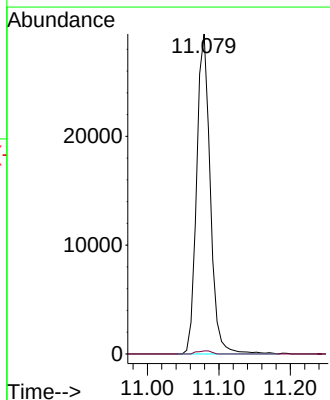
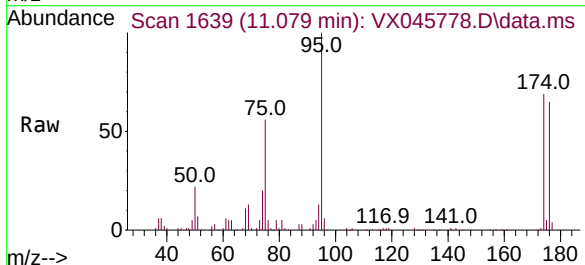
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

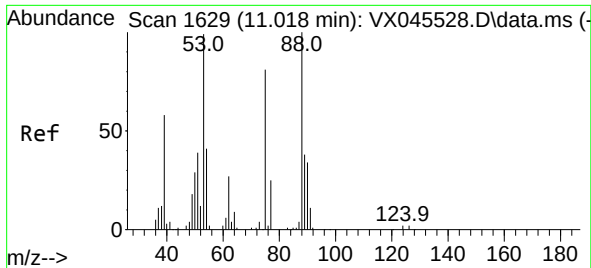
Tgt Ion:152 Resp: 56150
 Ion Ratio Lower Upper
 152 100
 115 66.0 46.9 140.7
 150 157.4 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.390 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045778.D
 Acq: 14 Apr 2025 19:03

Tgt Ion: 75 Resp: 38884
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.353 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045778.D
 Acq: 14 Apr 2025 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Tgt Ion: 75 Resp: 38884
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

