

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045693.D
 Acq On : 10 Apr 2025 13:03
 Operator : JC/MD
 Sample : Q1754-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: Apr 11 01:55:29 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)

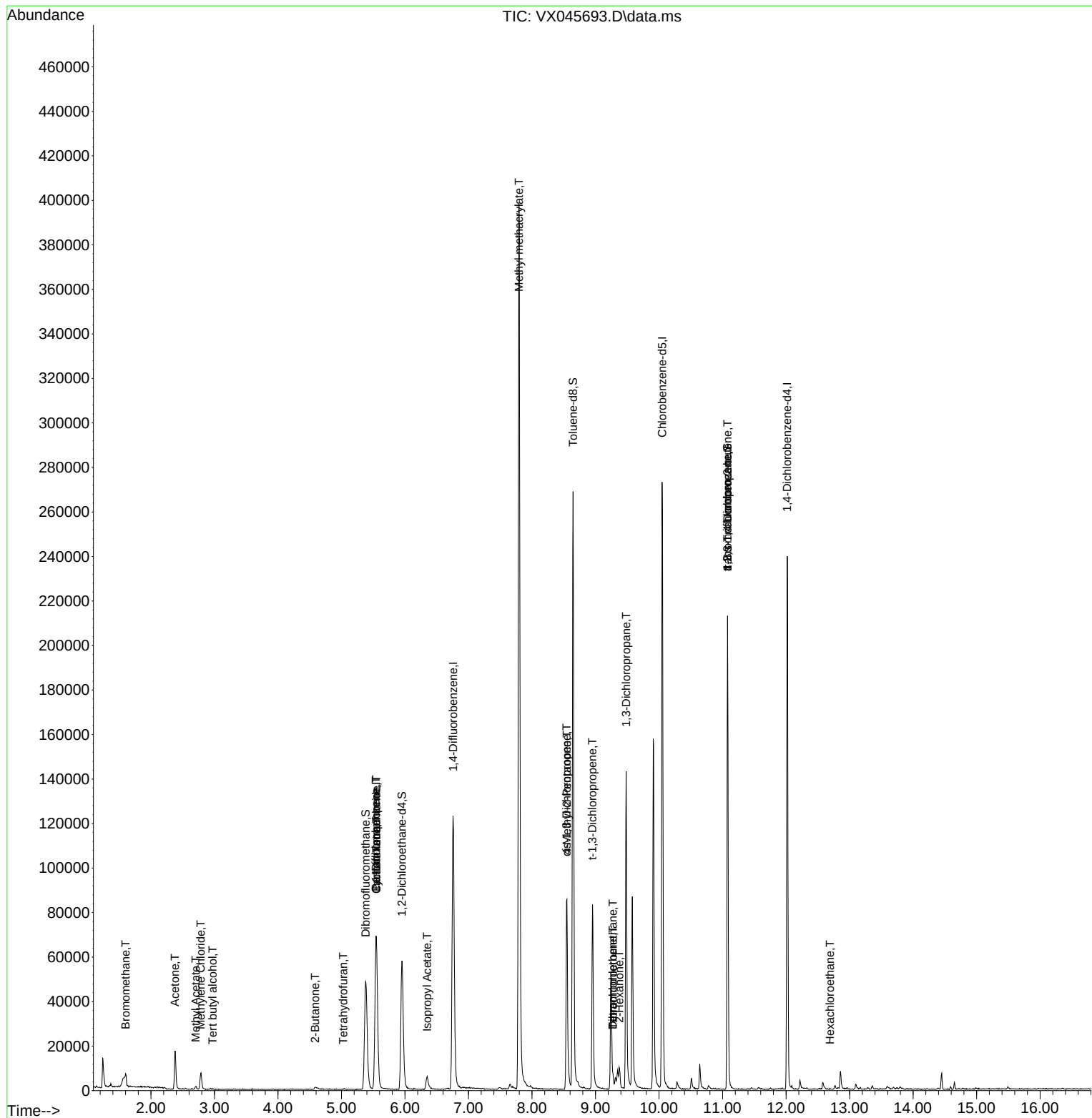
Internal Standards						
1) Pentafluorobenzene	5.544	168	59836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	118958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	110512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	43614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60439	55.234	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.460%			
35) Dibromofluoromethane	5.379	113	43611	51.671	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.340%			
50) Toluene-d8	8.647	98	150701	51.156	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.320%			
62) 4-Bromofluorobenzene	11.079	95	53228	49.604	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.200%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	108	0.271	ug/l	98
11) Tert butyl alcohol	2.971	59	139	0.945	ug/l #	72
16) Acetone	2.380	43	18202	40.509	ug/l	92
18) Methyl Acetate	2.703	43	1764	1.705	ug/l	97
20) Methylene Chloride	2.782	84	3540	4.208	ug/l	90
25) 2-Butanone	4.586	43	2260	3.436	ug/l	94
29) Tetrahydrofuran	5.025	42	97	0.227	ug/l #	35
31) Cyclohexane	5.550	56	1703	1.269	ug/l #	26
36) 1,1-Dichloropropene	5.544	75	6010	5.274	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7051	5.725	ug/l #	16
43) Isopropyl Acetate	6.348	43	8251	3.791	ug/l	98
48) Methyl methacrylate	7.793	41	40002	35.595	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	34626	23.997	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	108	2.370	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	13128	10.494	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	1128	0.772	ug/l #	42
59) 2-Hexanone	9.372	43	9220	8.629	ug/l #	28
60) Dibromochloromethane	9.275	129	755	0.825	ug/l #	10
64) Tetrachloroethene	9.275	164	690	0.884	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75	31994	30.074	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31994	102.067	ug/l #	1
90) Hexachloroethane	12.695	117	124	0.249	ug/l #	19

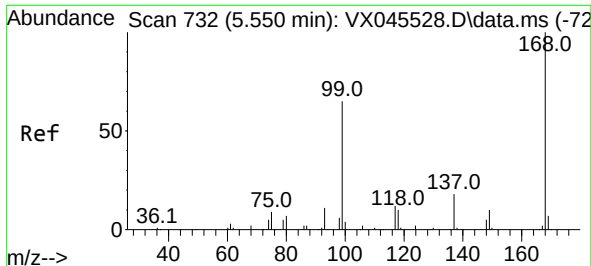
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
Data File : VX045693.D
Acq On : 10 Apr 2025 13:03
Operator : JC/MD
Sample : Q1754-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-1

Quant Time: Apr 11 01:55:29 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

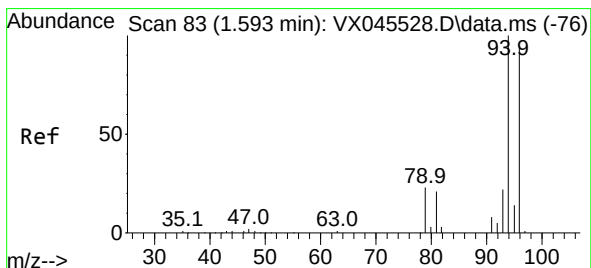
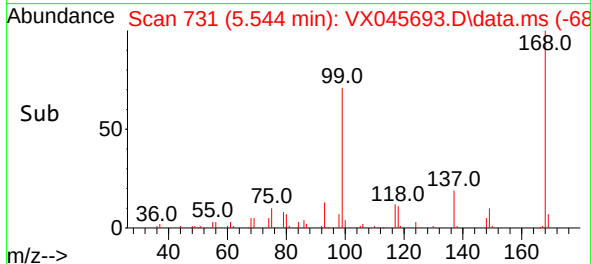
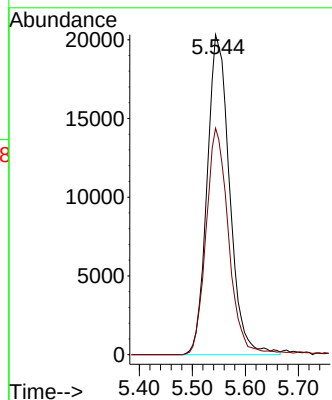
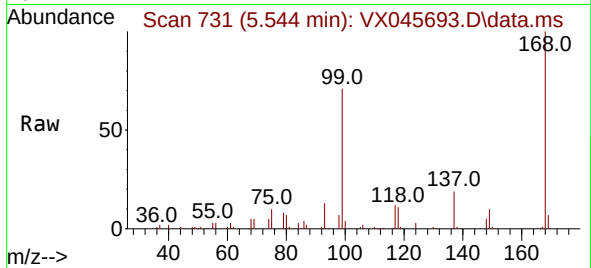




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

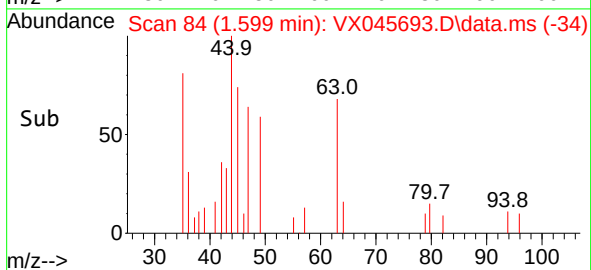
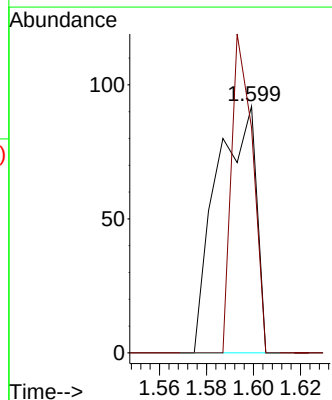
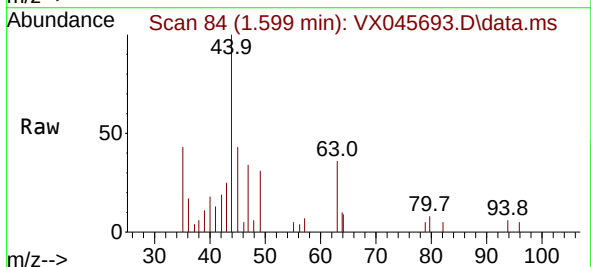
Instrument :
MSVOA_X
ClientSampleId :
TP-1

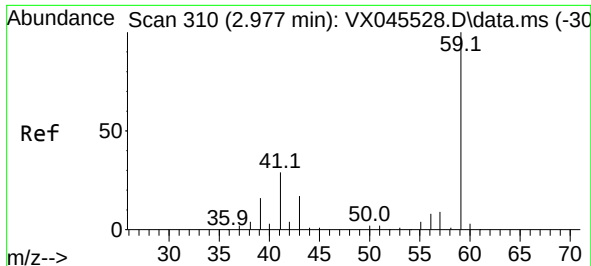
Tgt Ion:168 Resp: 59836
Ion Ratio Lower Upper
168 100
99 70.8 52.3 78.5



#5
Bromomethane
Concen: 0.271 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion: 94 Resp: 108
Ion Ratio Lower Upper
94 100
96 91.3 74.8 112.2

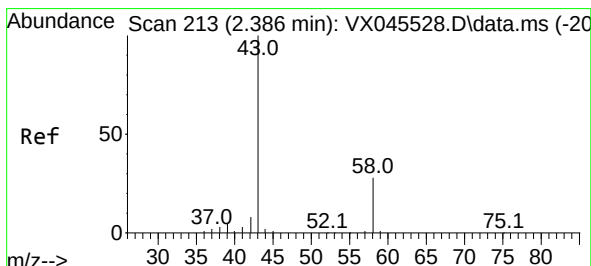
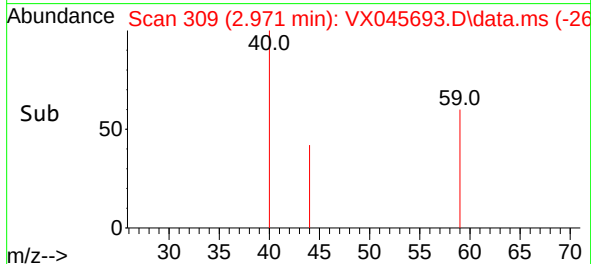
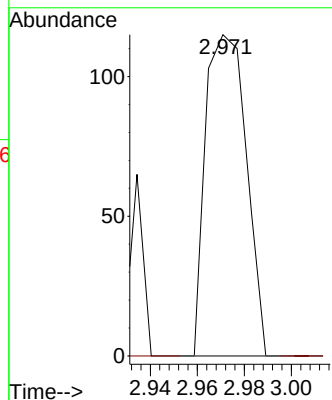
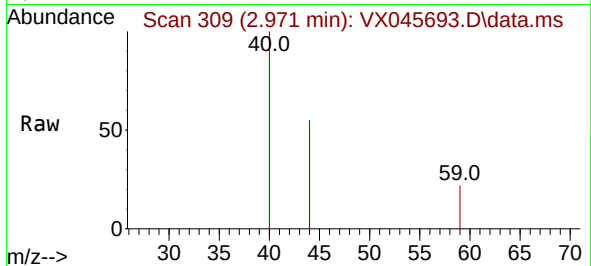




#11
Tert butyl alcohol
Concen: 0.945 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

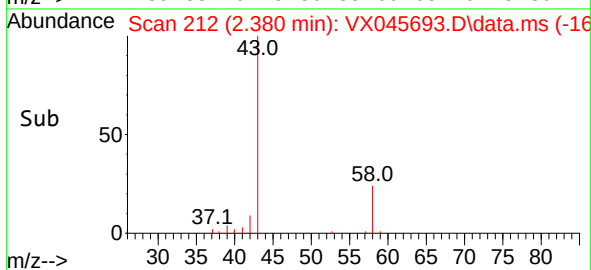
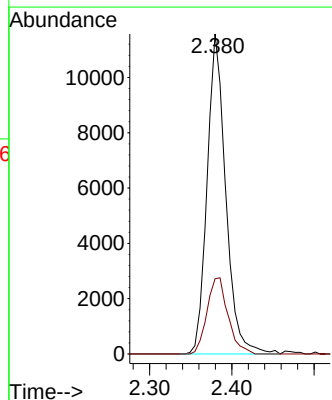
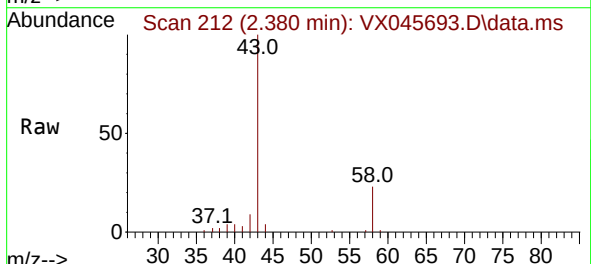
Instrument :
MSVOA_X
ClientSampleId :
TP-1

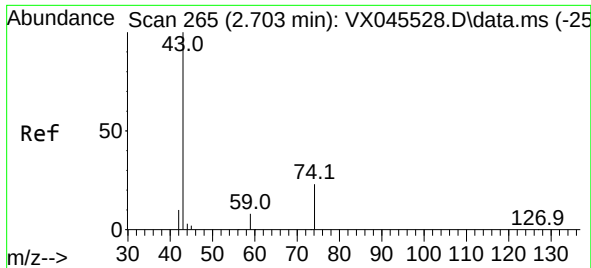
Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 40.509 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion: 43 Resp: 18202
Ion Ratio Lower Upper
43 100
58 23.5 22.3 33.5

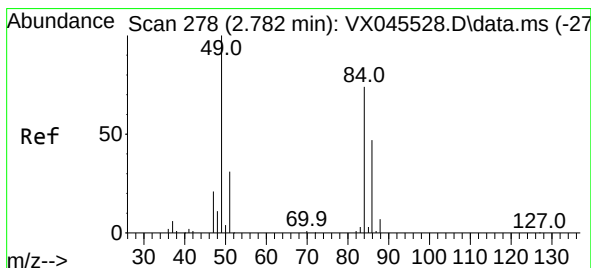
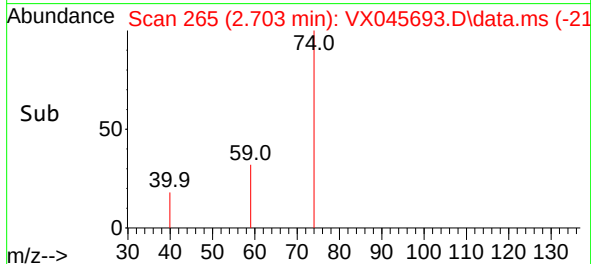
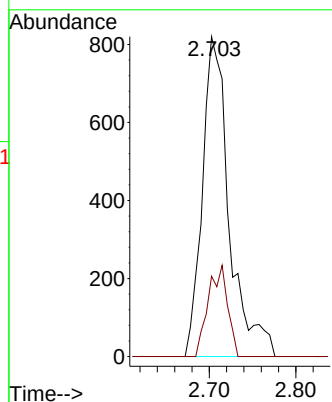
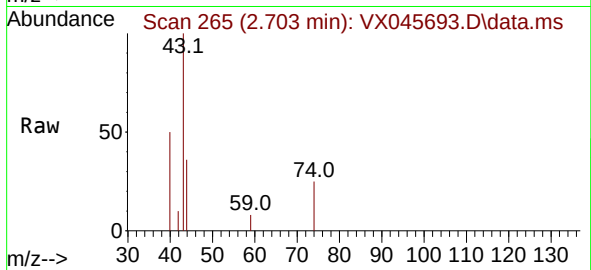




#18
Methyl Acetate
Concen: 1.705 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

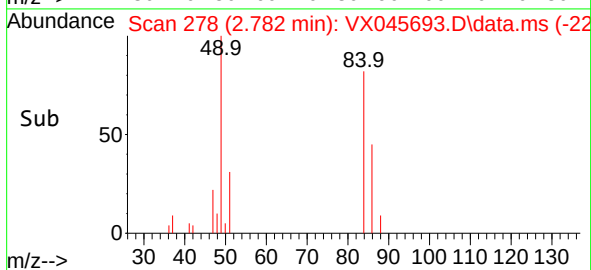
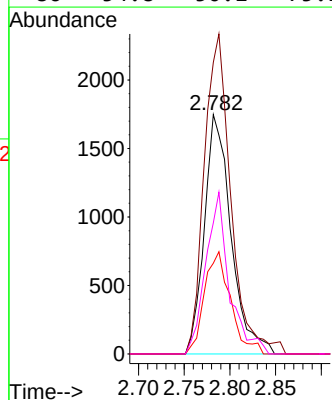
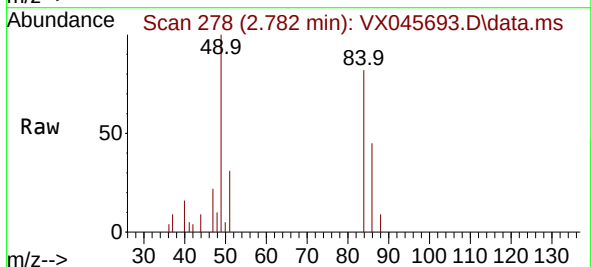
Instrument :
MSVOA_X
ClientSampleId :
TP-1

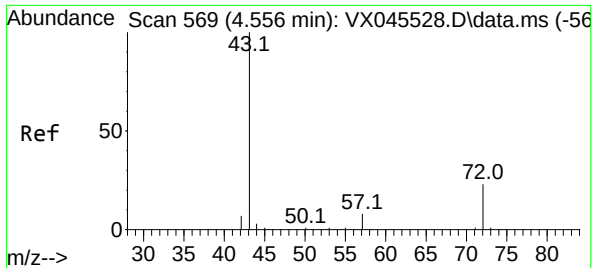
Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
74 20.6 17.5 26.3



#20
Methylene Chloride
Concen: 4.208 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion: 84 Resp: 3540
Ion Ratio Lower Upper
84 100
49 121.8 107.5 161.3
51 37.9 33.0 49.6
86 54.8 50.1 75.1

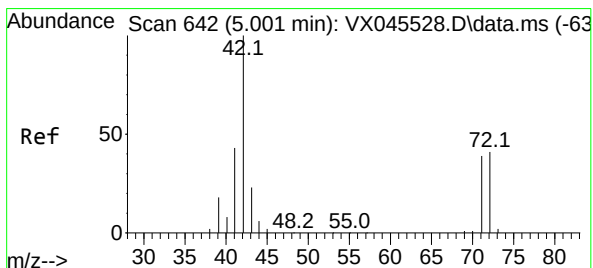
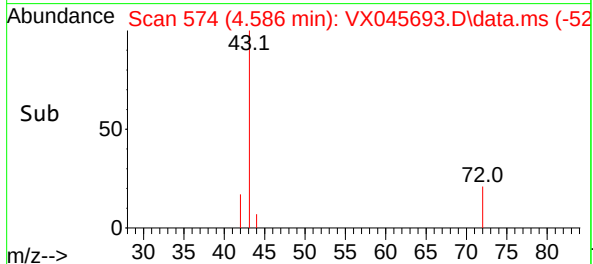
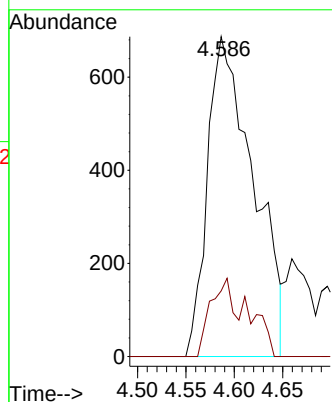
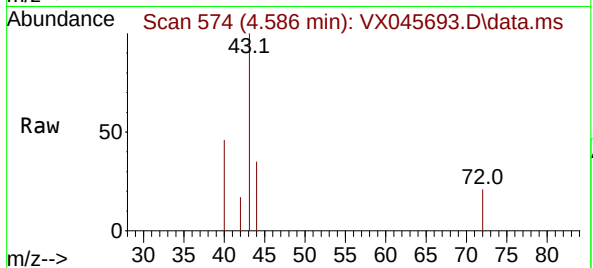




#25
2-Butanone
Concen: 3.436 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

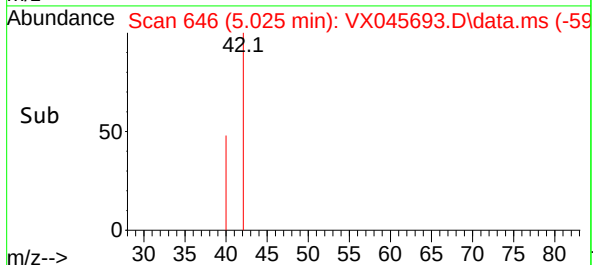
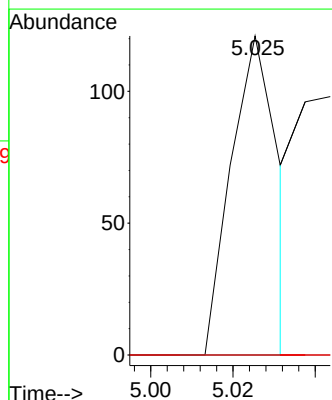
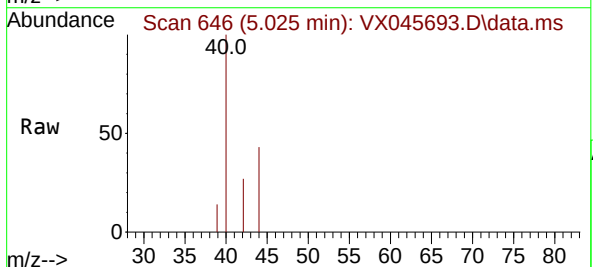
Instrument :
MSVOA_X
ClientSampleId :
TP-1

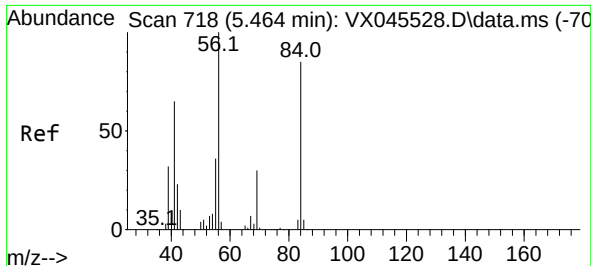
Tgt Ion: 43 Resp: 2260
Ion Ratio Lower Upper
43 100
72 20.5 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.227 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion: 42 Resp: 97
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#

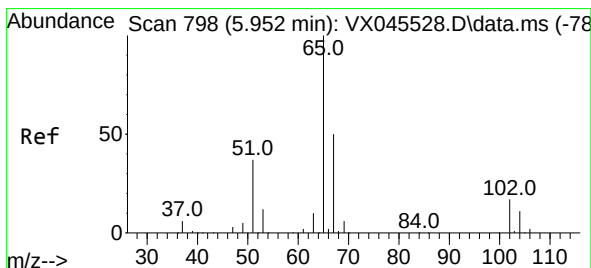
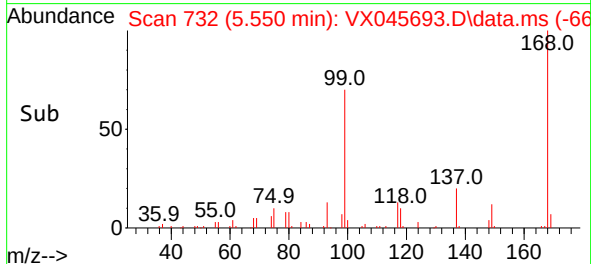
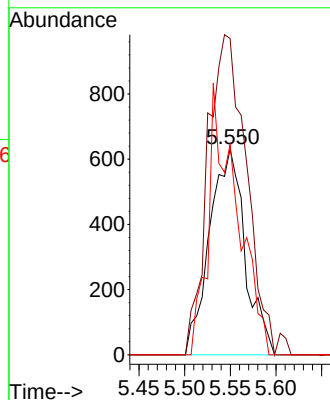
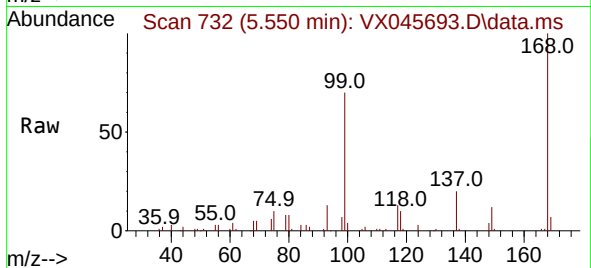




#31
Cyclohexane
Concen: 1.269 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

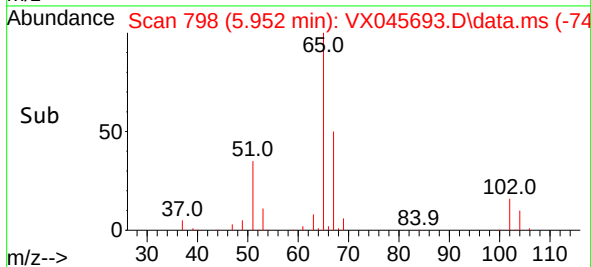
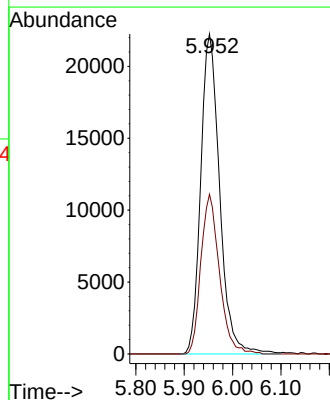
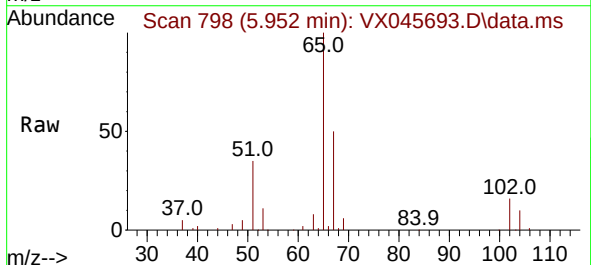
Instrument :
MSVOA_X
ClientSampleId :
TP-1

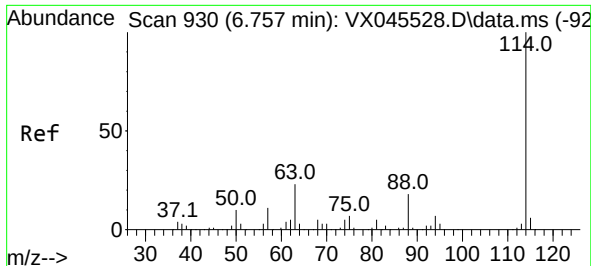
Tgt Ion: 56 Resp: 1703
Ion Ratio Lower Upper
56 100
69 153.5 23.6 35.4#
84 102.1 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 55.234 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion: 65 Resp: 60439
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0

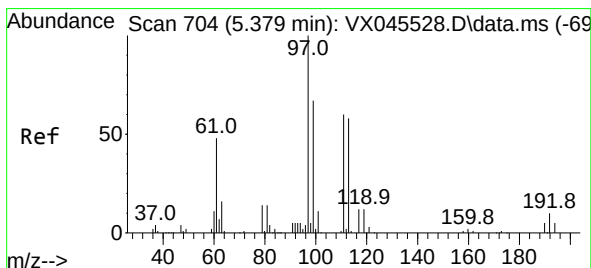
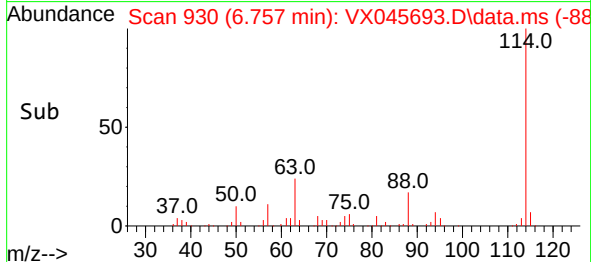
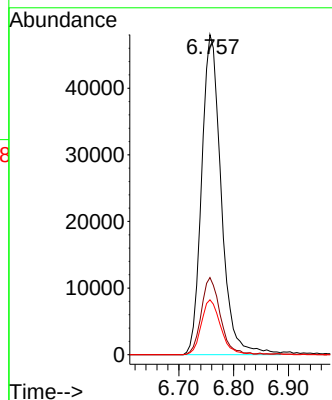
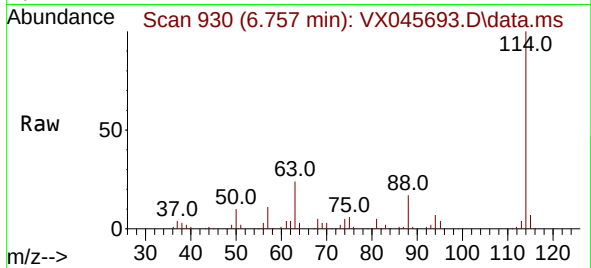




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

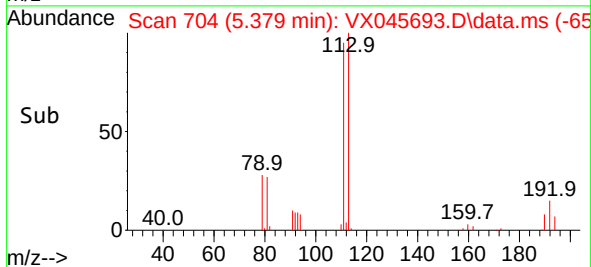
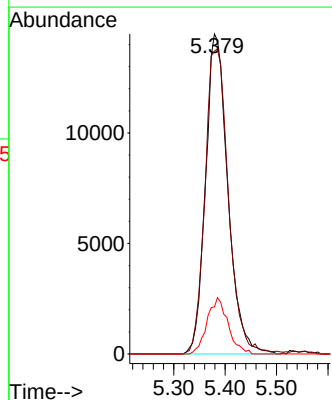
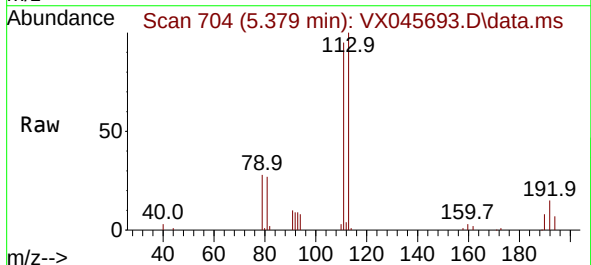
Instrument :
MSVOA_X
ClientSampleId :
TP-1

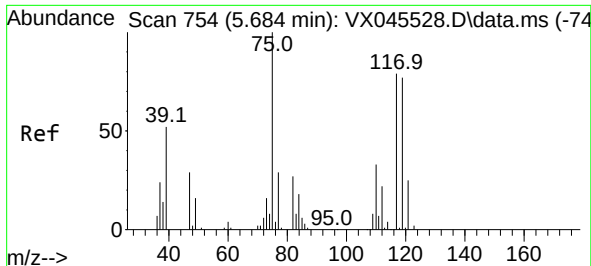
Tgt Ion:114 Resp: 118958
Ion Ratio Lower Upper
114 100
63 24.1 0.0 46.8
88 17.2 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.671 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion:113 Resp: 43611
Ion Ratio Lower Upper
113 100
111 100.5 81.8 122.6
192 16.5 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.274 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045693.D

Acq: 10 Apr 2025 13:03

Instrument :

MSVOA_X

ClientSampleId :

TP-1

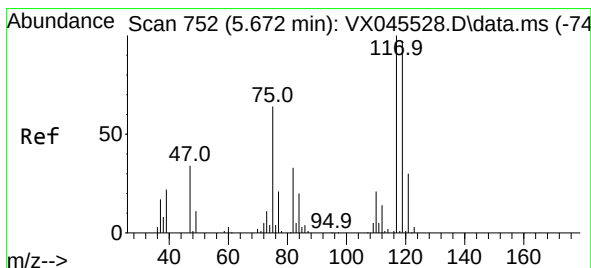
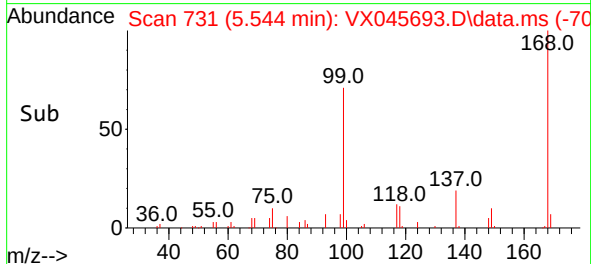
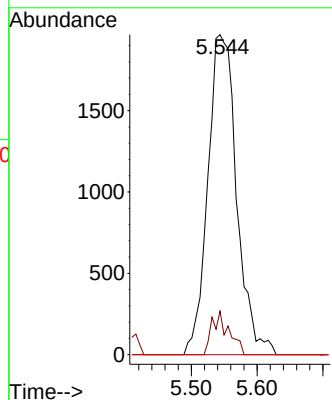
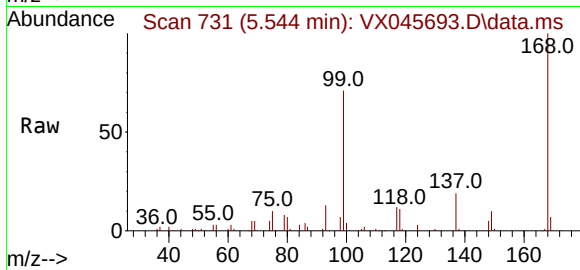
Tgt Ion: 75 Resp: 6010

Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.725 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045693.D

Acq: 10 Apr 2025 13:03

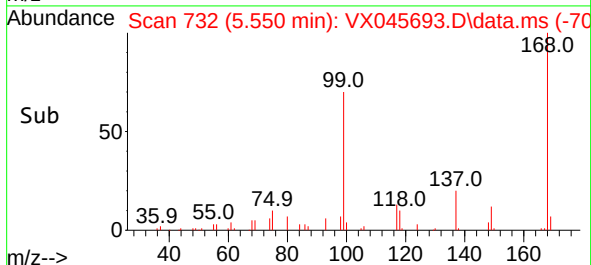
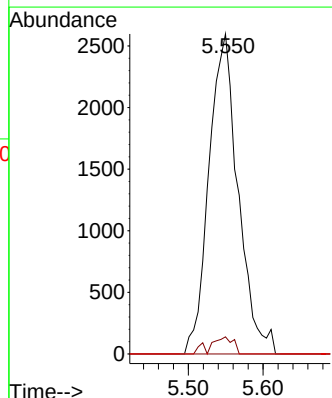
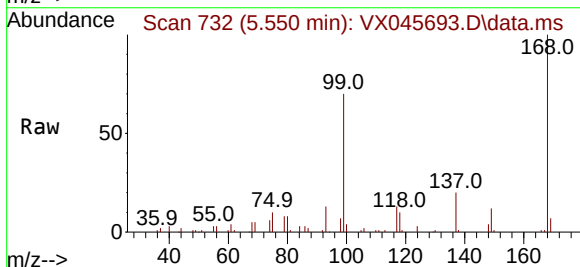
Tgt Ion: 117 Resp: 7051

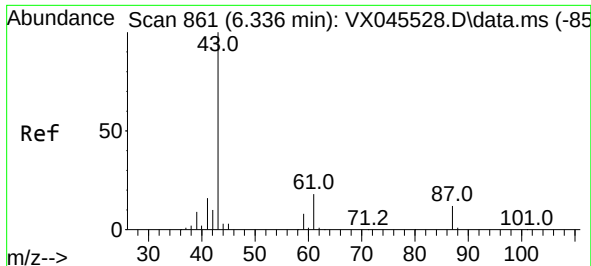
Ion Ratio Lower Upper

117 100

119 5.4 76.9 115.3#

121 0.0 24.2 36.2#

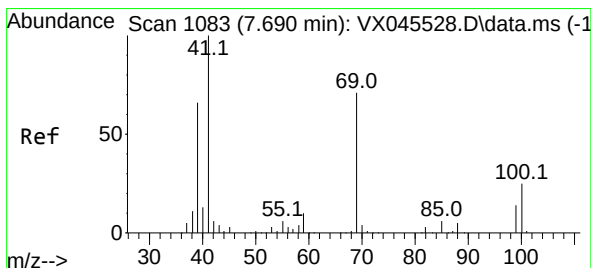
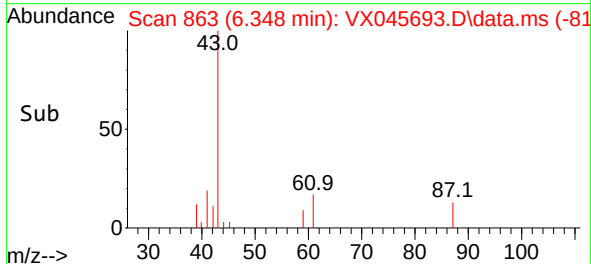
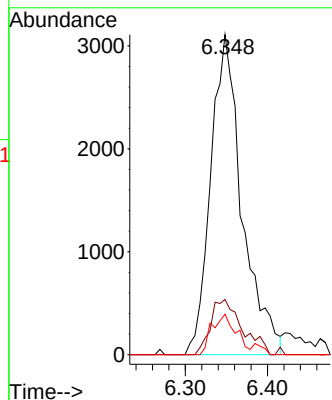
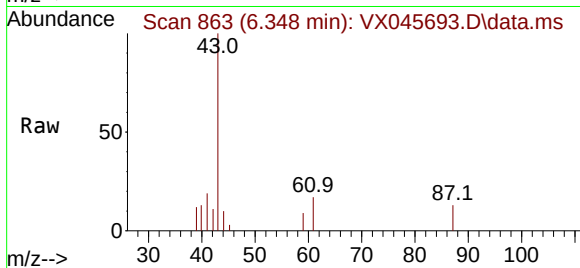




#43
Isopropyl Acetate
Concen: 3.791 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

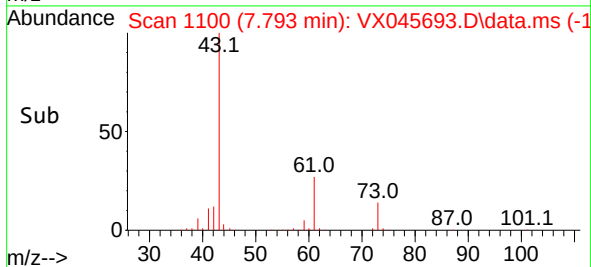
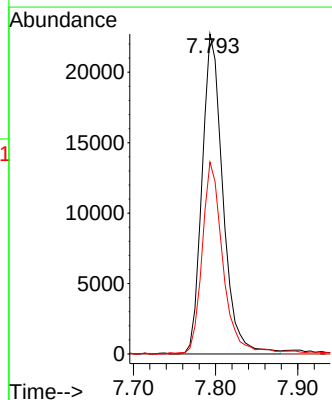
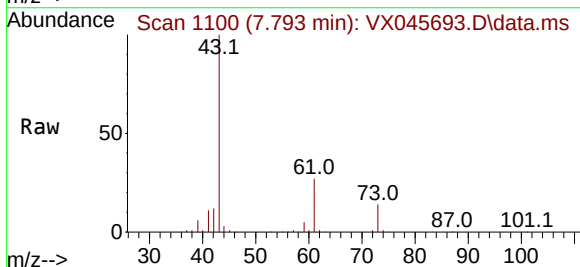
Instrument :
MSVOA_X
ClientSampleId :
TP-1

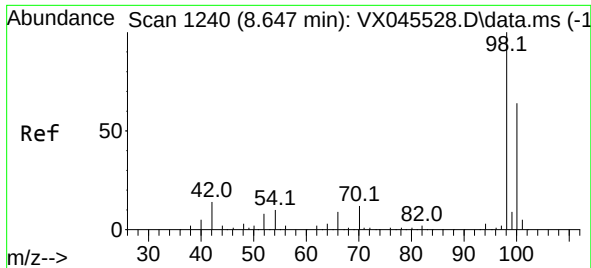
Tgt Ion: 43 Resp: 8251
Ion Ratio Lower Upper
43 100
61 17.4 14.1 21.1
87 9.8 9.2 13.8



#48
Methyl methacrylate
Concen: 35.595 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion: 41 Resp: 40002
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 60.1 53.6 80.4

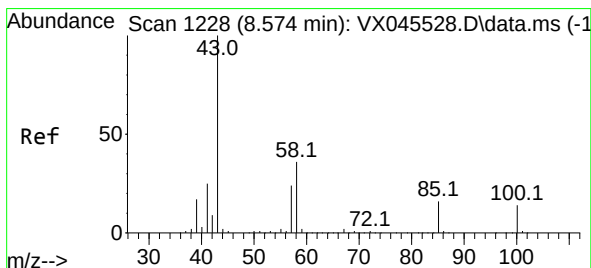
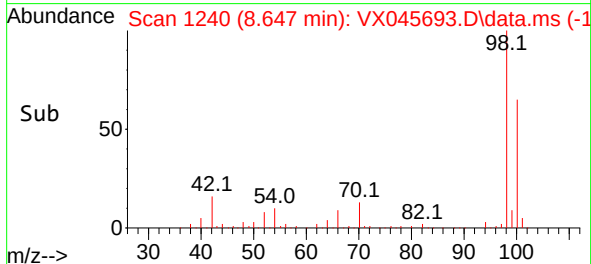
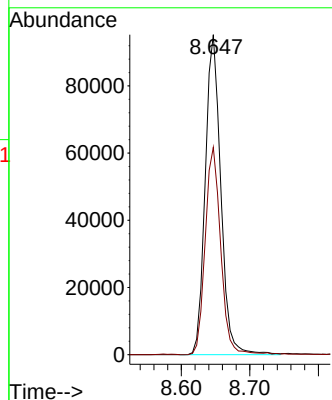
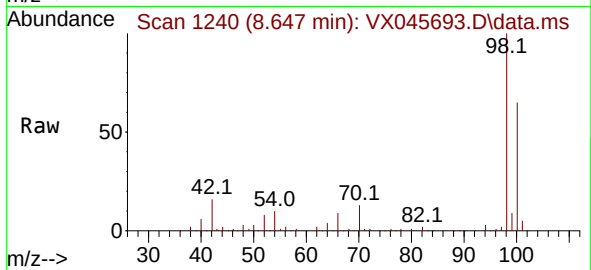




#50
Toluene-d8
Concen: 51.156 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

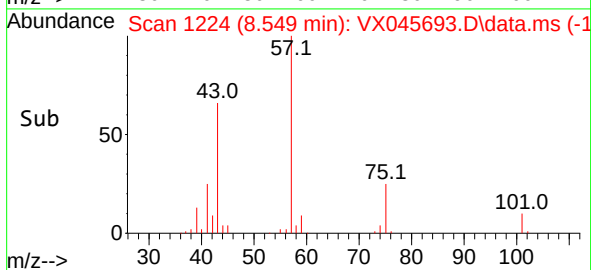
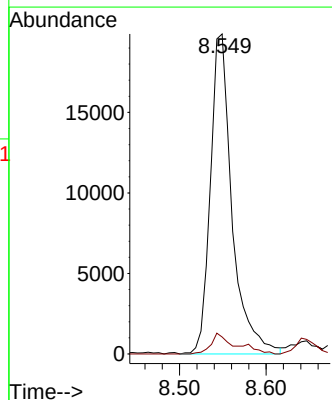
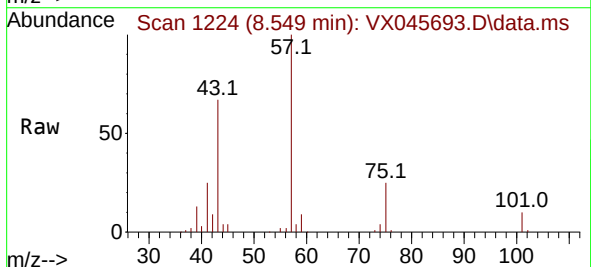
Instrument :
MSVOA_X
ClientSampleId :
TP-1

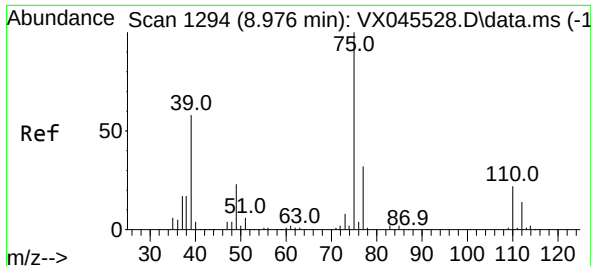
Tgt Ion: 98 Resp: 150701
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 23.997 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion: 43 Resp: 34626
Ion Ratio Lower Upper
43 100
58 5.9 28.5 42.7#

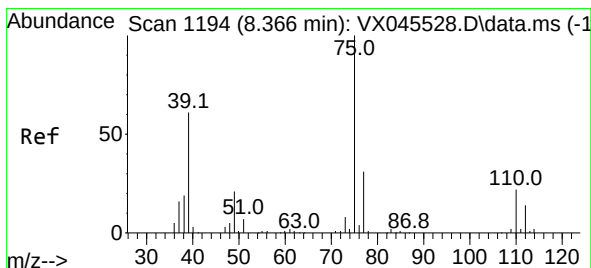
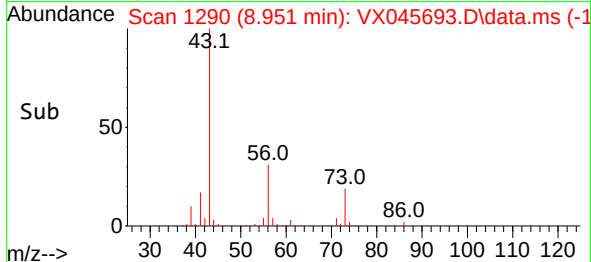
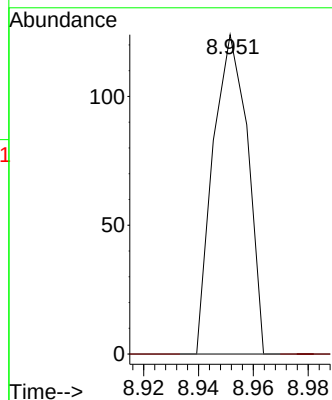
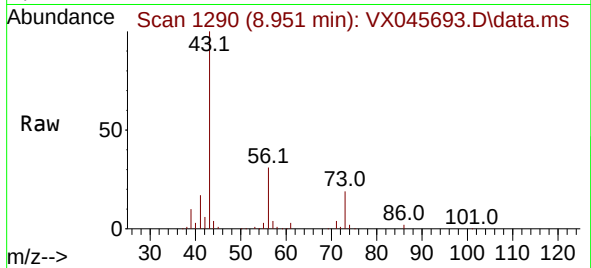




#53
 t-1,3-Dichloropropene
 Concen: 2.370 ug/l
 RT: 8.951 min Scan# 1123
 Delta R.T. -0.025 min
 Lab File: VX045693.D
 Acq: 10 Apr 2025 13:03

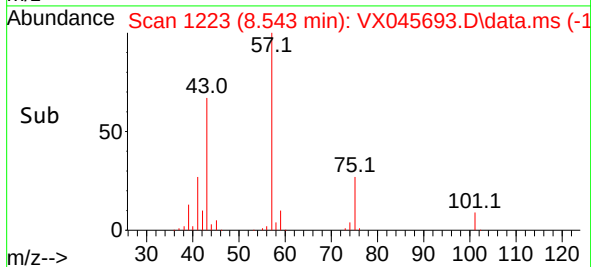
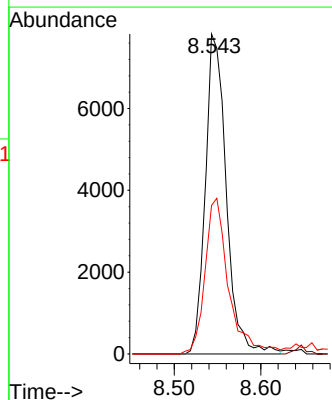
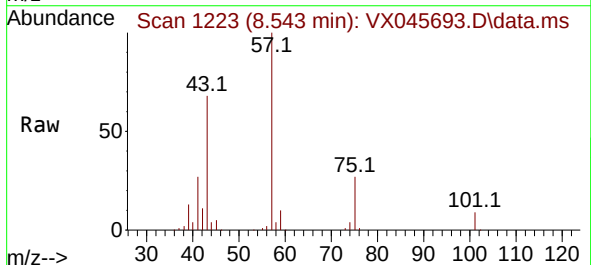
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

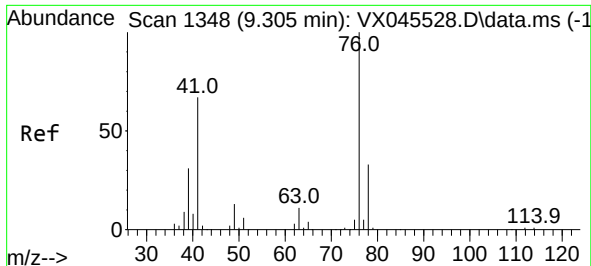
Tgt Ion: 75 Resp: 108
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.494 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX045693.D
 Acq: 10 Apr 2025 13:03

Tgt Ion: 75 Resp: 13128
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 46.4 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.772 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045693.D

Acq: 10 Apr 2025 13:03

Instrument :

MSVOA_X

ClientSampleId :

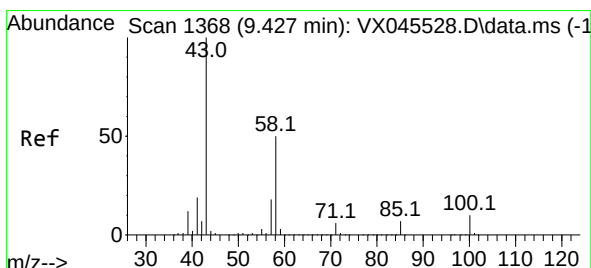
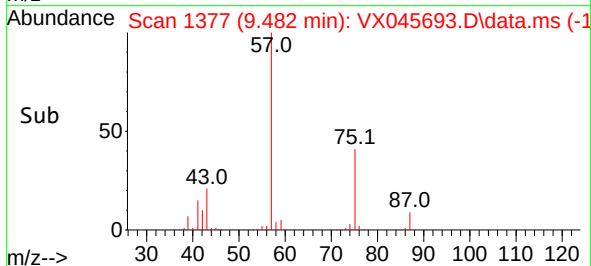
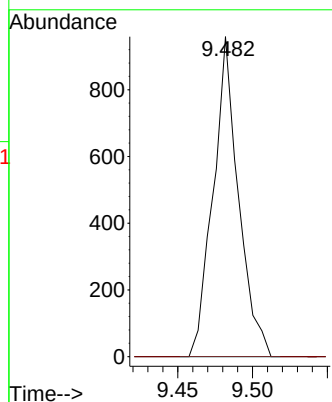
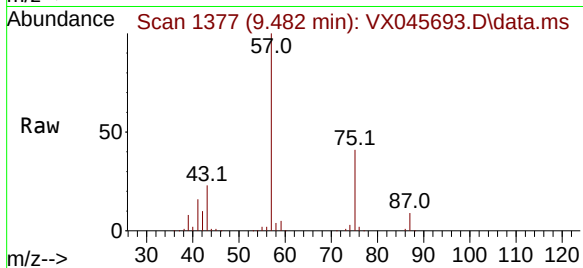
TP-1

Tgt Ion: 76 Resp: 1128

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 8.629 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045693.D

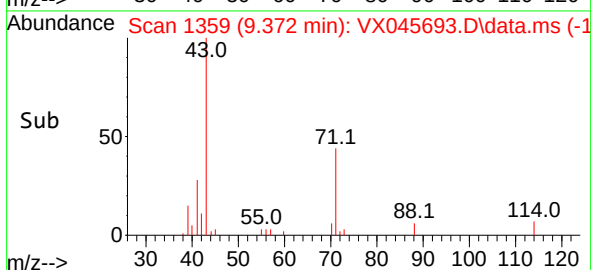
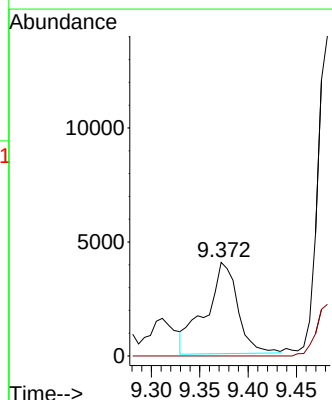
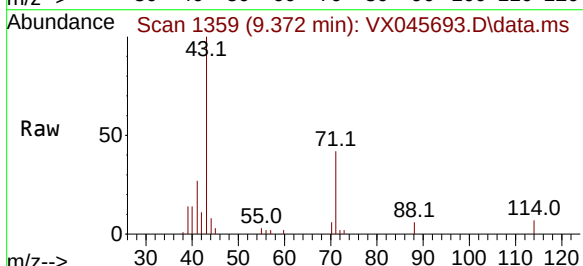
Acq: 10 Apr 2025 13:03

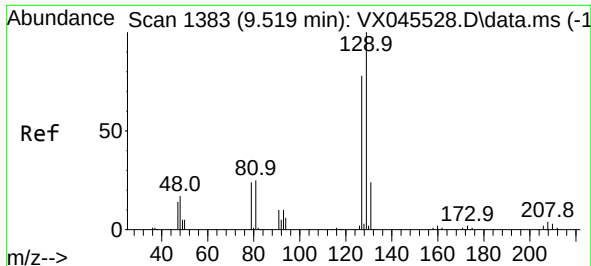
Tgt Ion: 43 Resp: 9220

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

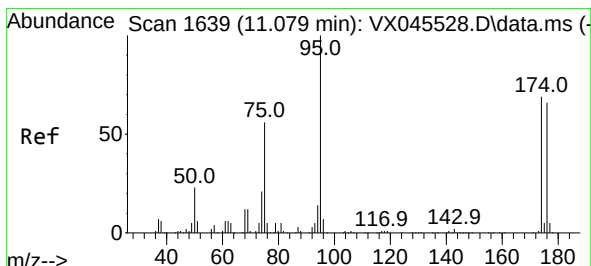
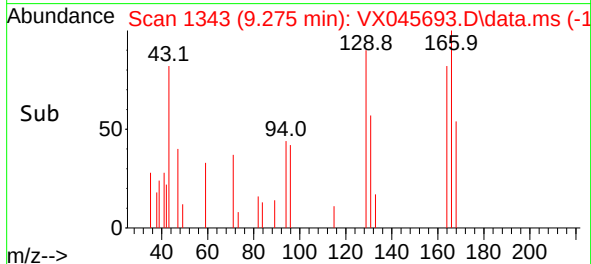
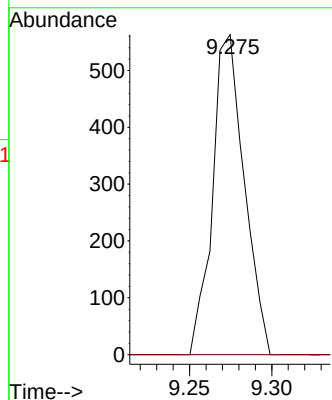
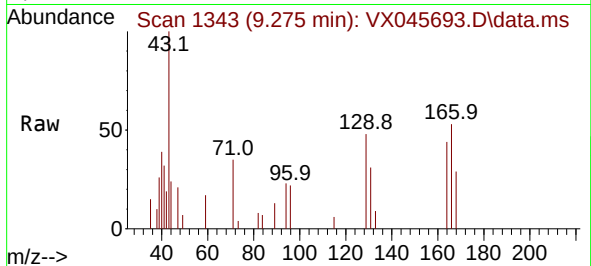




#60
Dibromochloromethane
Concen: 0.825 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

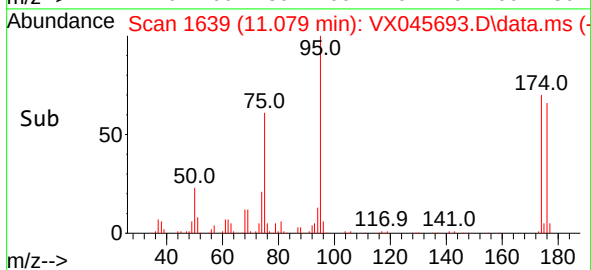
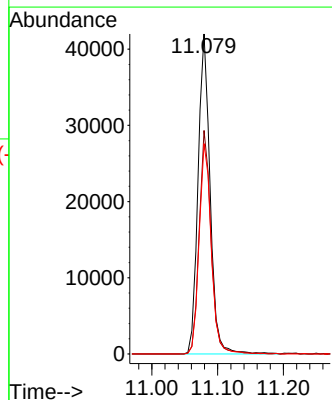
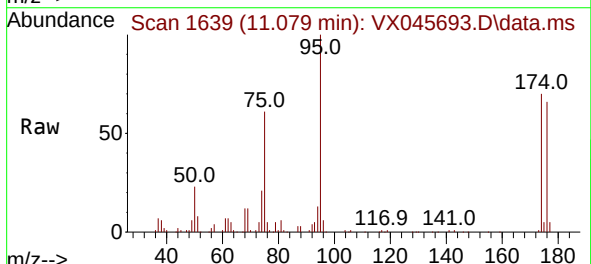
Instrument :
MSVOA_X
ClientSampleId :
TP-1

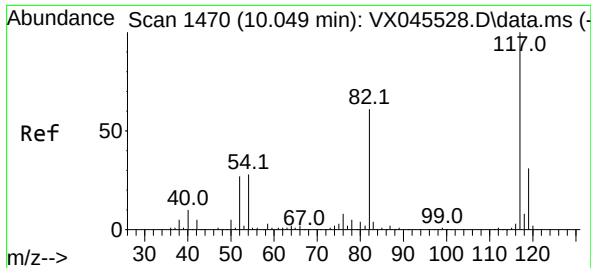
Tgt Ion:129 Resp: 755
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#



#62
4-Bromofluorobenzene
Concen: 49.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion: 95 Resp: 53228
Ion Ratio Lower Upper
95 100
174 68.9 0.0 135.8
176 66.1 0.0 131.4

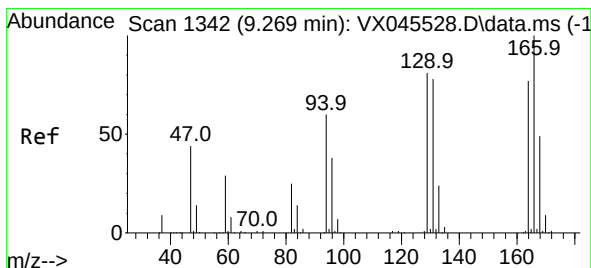
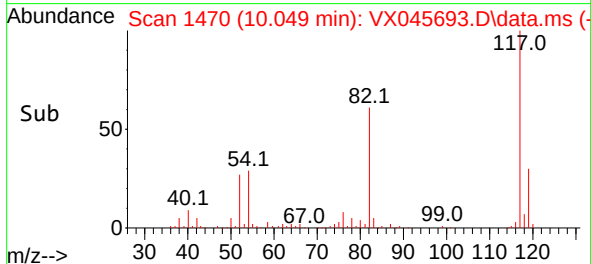
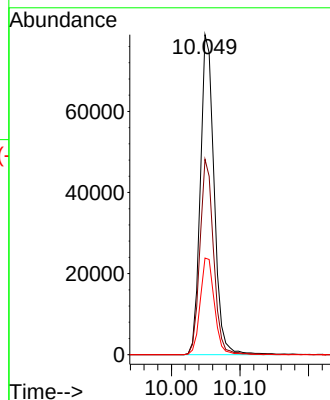
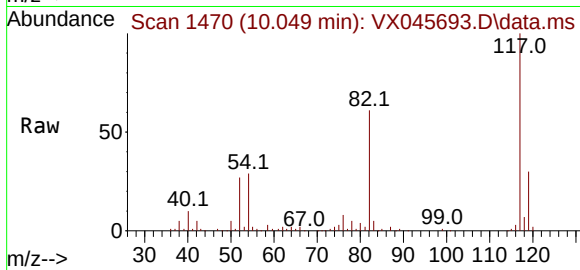




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

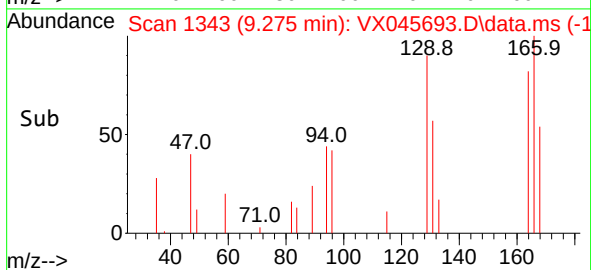
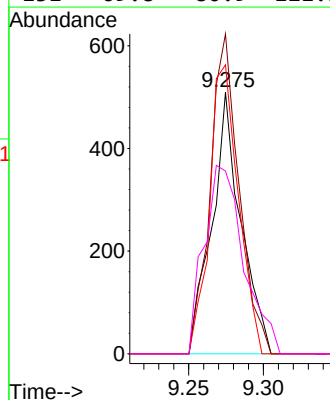
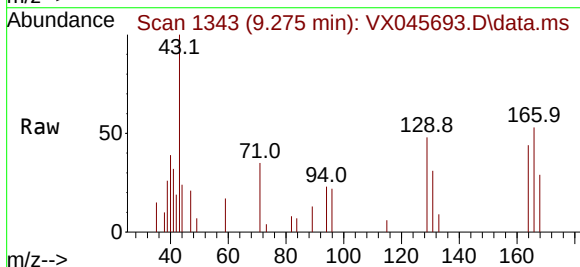
Instrument :
MSVOA_X
ClientSampleId :
TP-1

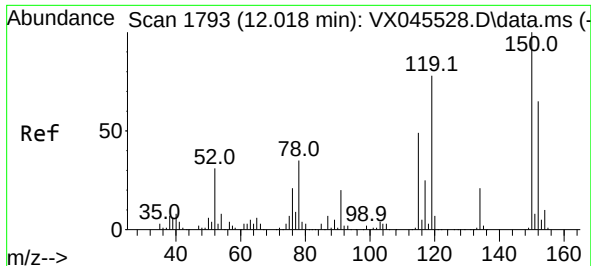
Tgt Ion:117 Resp: 110512
Ion Ratio Lower Upper
117 100
82 61.1 49.2 73.8
119 30.2 25.1 37.7



#64
Tetrachloroethene
Concen: 0.884 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion:164 Resp: 690
Ion Ratio Lower Upper
164 100
166 122.2 103.8 155.8
129 110.4 84.3 126.5
131 69.8 80.9 121.3#

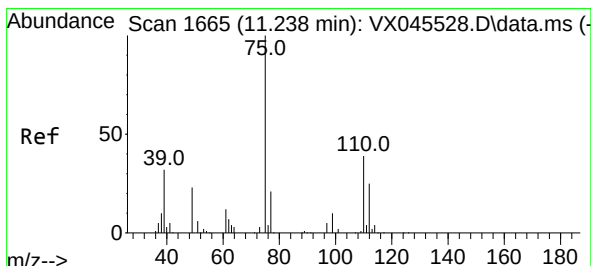
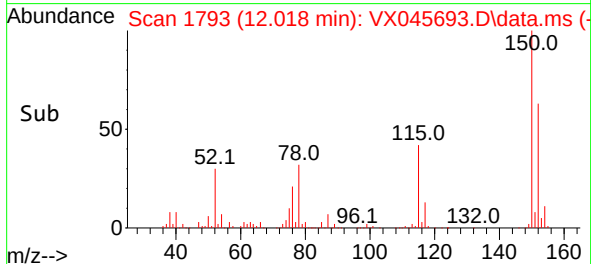
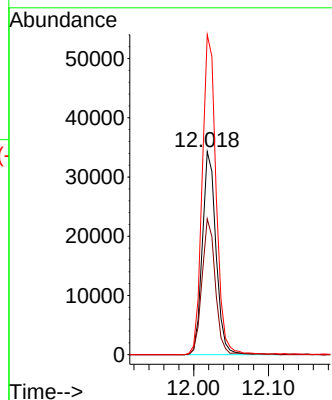
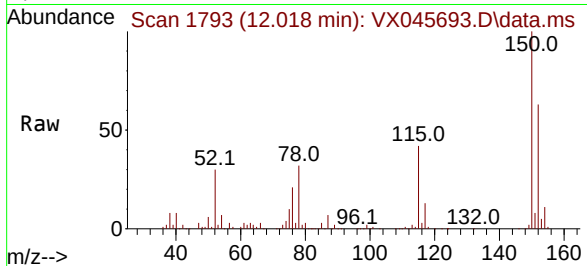




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045693.D
 Acq: 10 Apr 2025 13:03

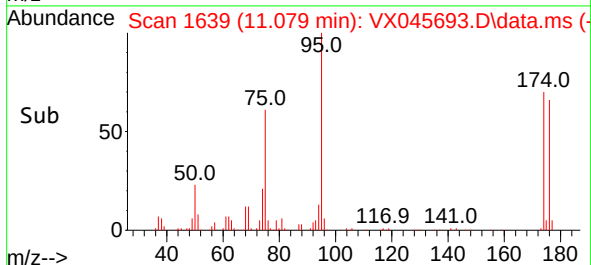
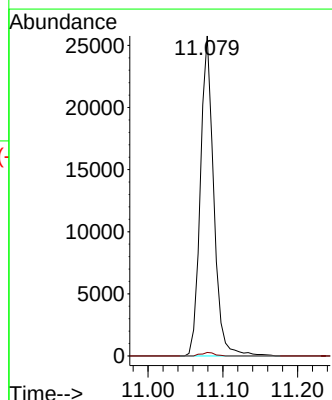
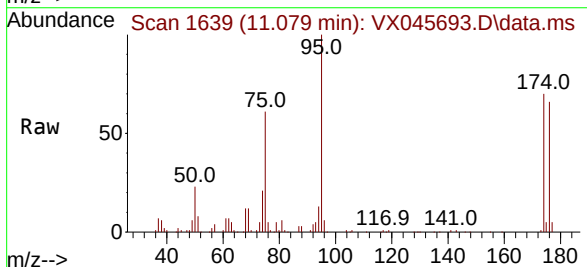
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

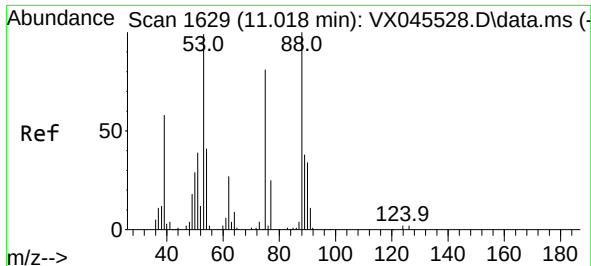
Tgt Ion:152 Resp: 43614
 Ion Ratio Lower Upper
 152 100
 115 65.7 46.9 140.7
 150 160.0 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 30.074 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045693.D
 Acq: 10 Apr 2025 13:03

Tgt Ion: 75 Resp: 31994
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#

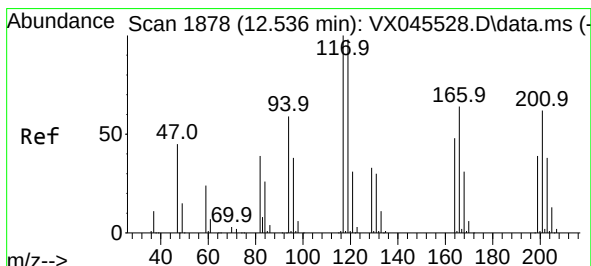
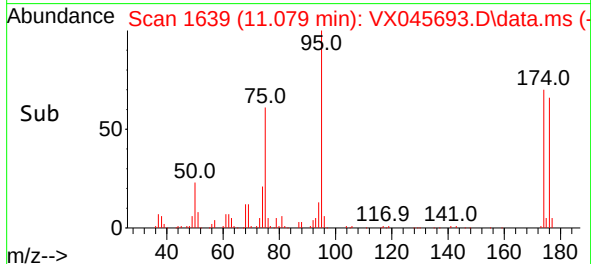
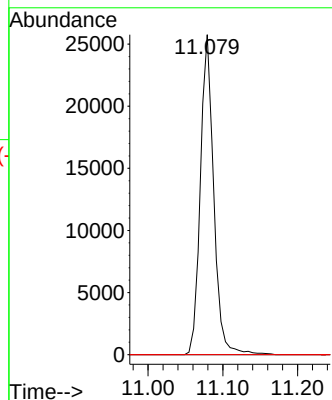
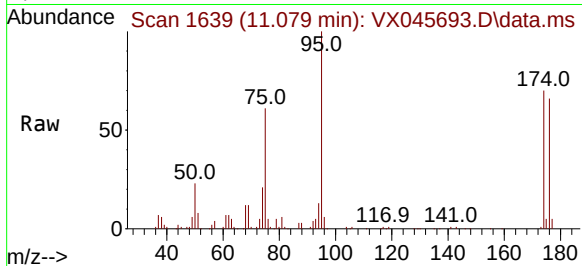




#81
trans-1,4-Dichloro-2-butene
Concen: 102.067 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Instrument :
MSVOA_X
ClientSampleId :
TP-1

Tgt Ion: 75 Resp: 31994
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#90
Hexachloroethane
Concen: 0.249 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.158 min
Lab File: VX045693.D
Acq: 10 Apr 2025 13:03

Tgt Ion: 117 Resp: 124
Ion Ratio Lower Upper
117 100
201 0.0 31.2 93.6#

