

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045777.D
 Acq On : 14 Apr 2025 18:40
 Operator : JC/MD
 Sample : Q1787-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2C

Quant Time: Apr 15 01:31:04 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)

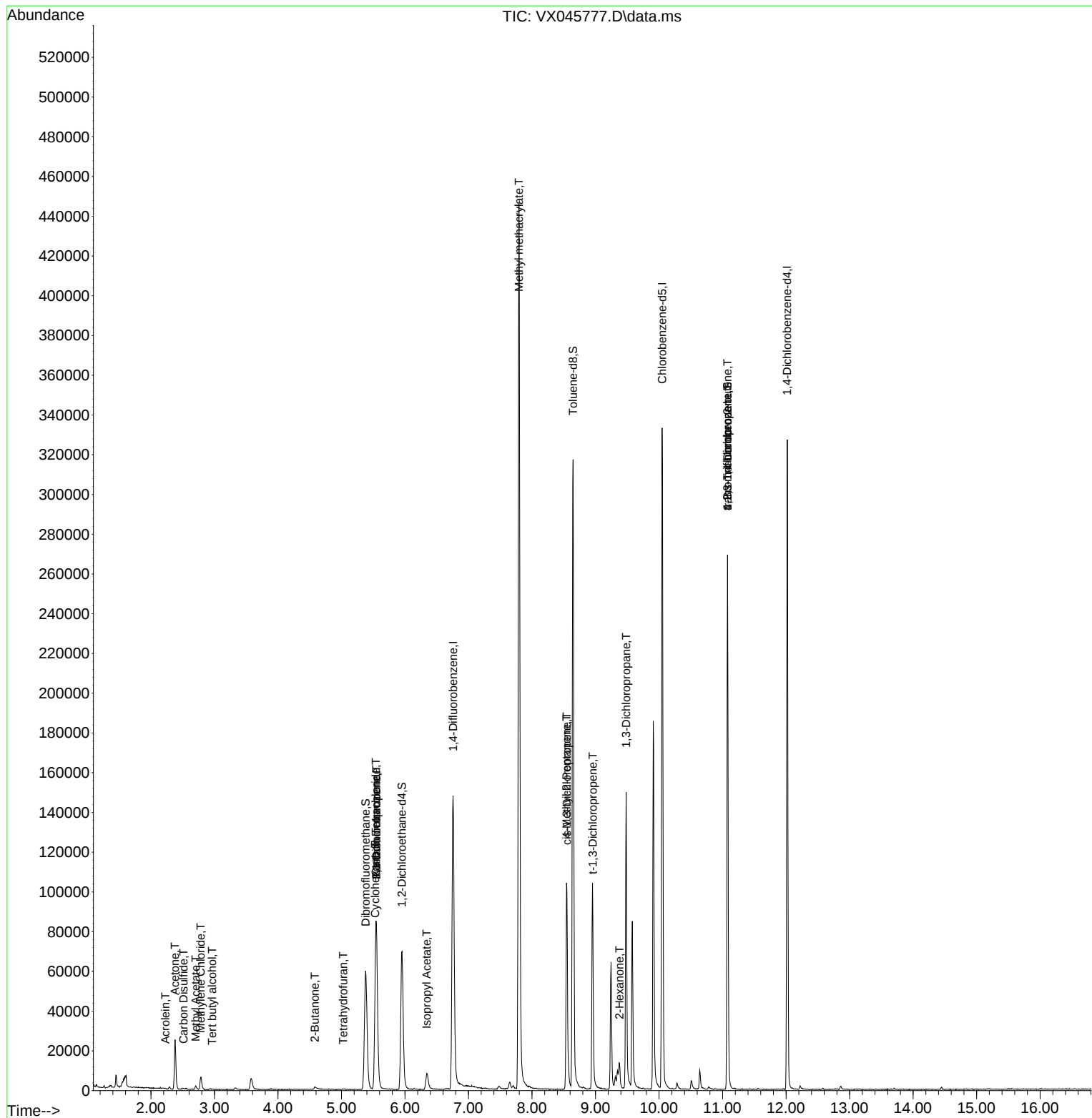
Internal Standards						
1) Pentafluorobenzene	5.550	168	72376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	136600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72611	54.860	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.720%	
35) Dibromofluoromethane	5.379	113	52406	51.150	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.300%	
50) Toluene-d8	8.647	98	183674	51.361	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.720%	
62) 4-Bromofluorobenzene	11.079	95	69780	53.570	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.140%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	195	1.096	ug/l #	72
13) Acrolein	2.227	56	135	0.551	ug/l #	80
16) Acetone	2.380	43	27200	50.047	ug/l	100
17) Carbon Disulfide	2.514	76	810	0.377	ug/l #	76
18) Methyl Acetate	2.703	43	2254	1.801	ug/l	93
20) Methylene Chloride	2.782	84	3179	3.124	ug/l #	83
25) 2-Butanone	4.580	43	3145	3.953	ug/l	95
29) Tetrahydrofuran	5.025	42	200	0.388	ug/l #	35
31) Cyclohexane	5.531	56	2054	1.265	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	7167	5.181	ug/l #	51
38) Carbon Tetrachloride	5.544	117	8687	5.810	ug/l #	17
43) Isopropyl Acetate	6.342	43	12640	4.784	ug/l	98
48) Methyl methacrylate	7.793	41	45583	33.413	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	41436	23.656	ug/l #	52
53) t-1,3-Dichloropropene	8.958	75	151	2.382	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15569	10.252	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1234	0.696	ug/l #	42
59) 2-Hexanone	9.378	43	12114	9.339	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	39919	27.760	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39919	94.216	ug/l #	1

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

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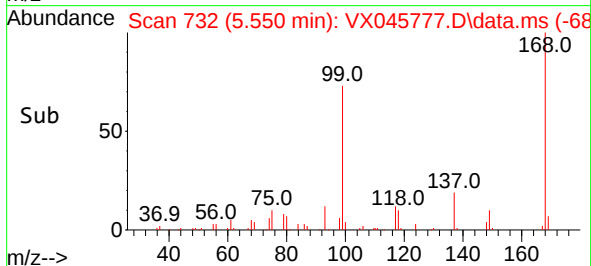
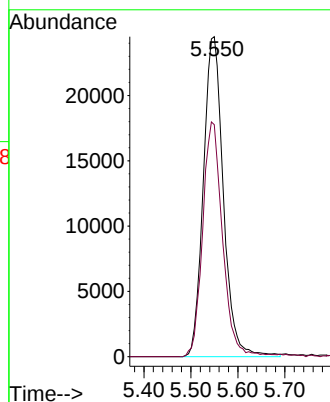
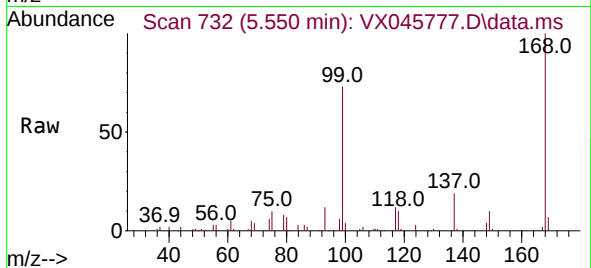




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

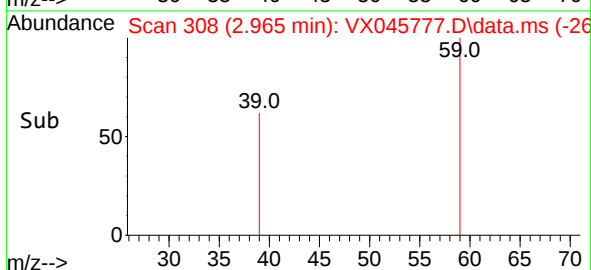
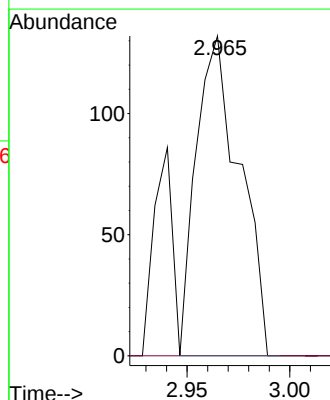
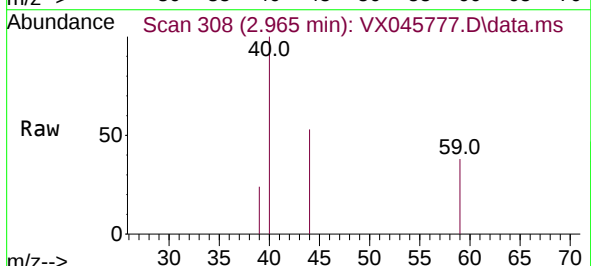
Instrument :
MSVOA_X
ClientSampleId :
TP-2C

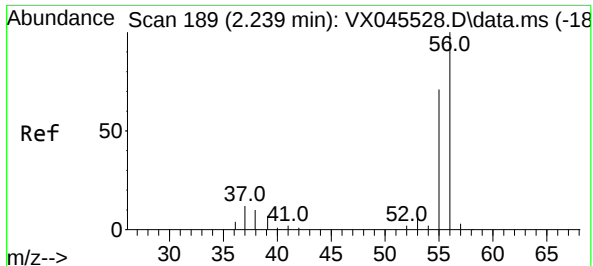
Tgt Ion:168 Resp: 72376
Ion Ratio Lower Upper
168 100
99 72.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.096 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

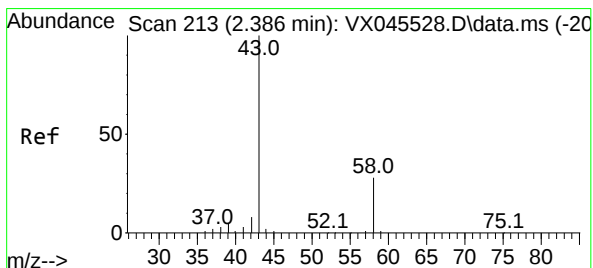
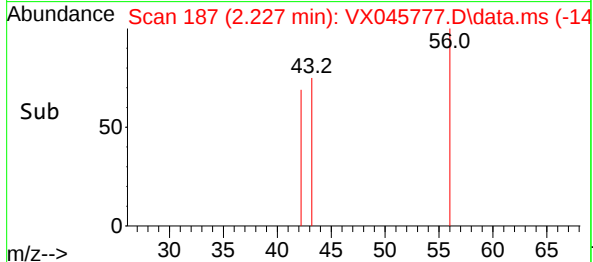
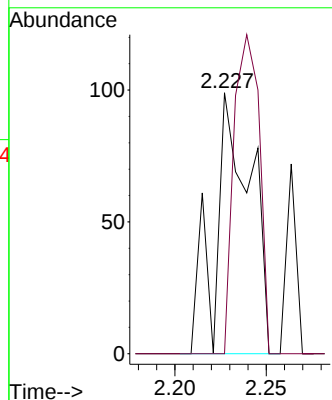
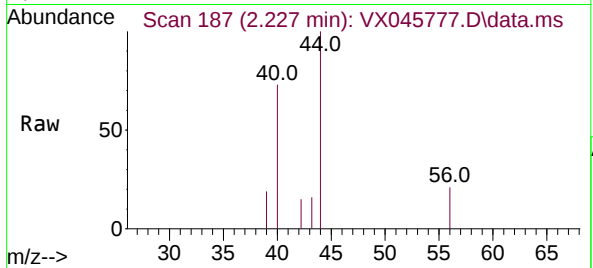




#13
Acrolein
Concen: 0.551 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

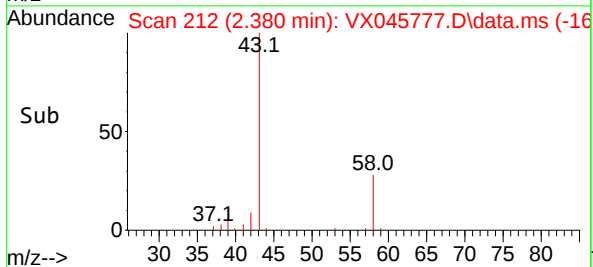
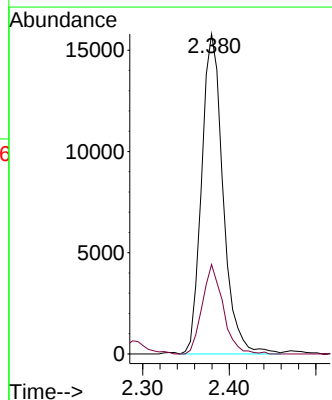
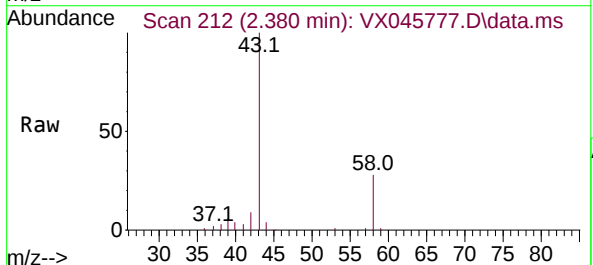
Instrument :
MSVOA_X
ClientSampleId :
TP-2C

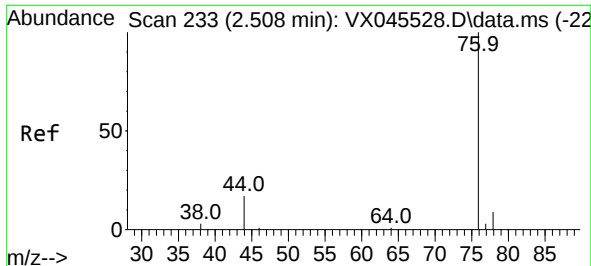
Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 86.7 56.2 84.2#



#16
Acetone
Concen: 50.047 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Tgt Ion: 43 Resp: 27200
Ion Ratio Lower Upper
43 100
58 28.0 22.3 33.5





#17

Carbon Disulfide

Concen: 0.377 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045777.D

Acq: 14 Apr 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

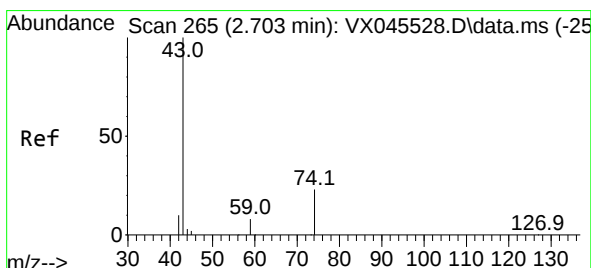
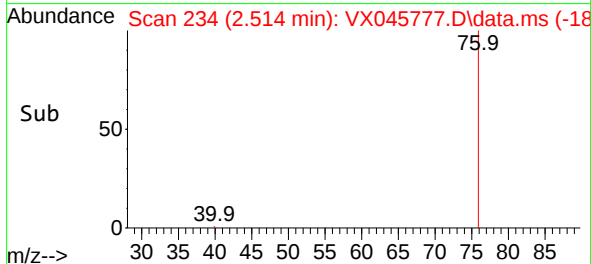
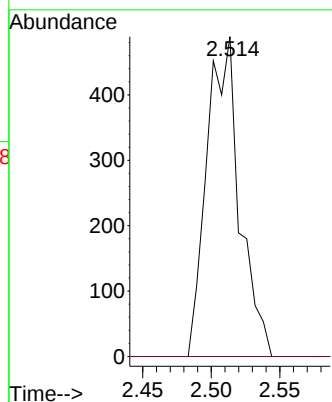
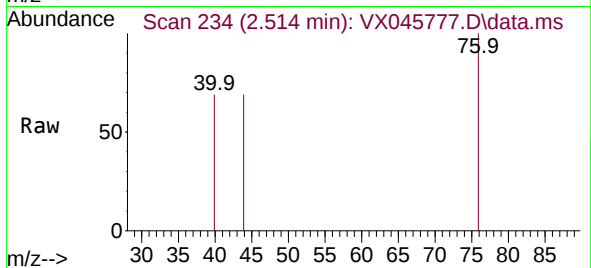
TP-2C

Tgt Ion: 76 Resp: 810

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 1.801 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX045777.D

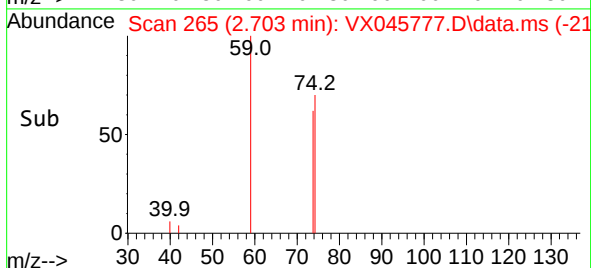
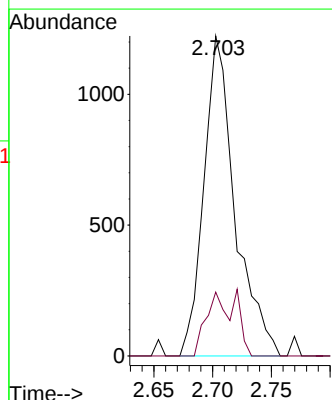
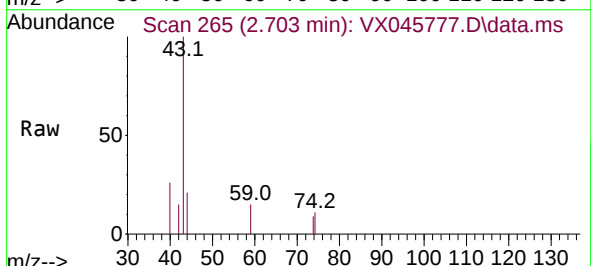
Acq: 14 Apr 2025 18:40

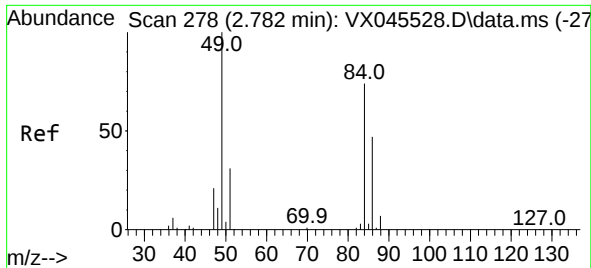
Tgt Ion: 43 Resp: 2254

Ion Ratio Lower Upper

43 100

74 18.5 17.5 26.3

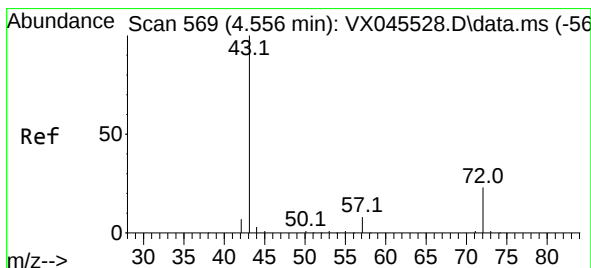
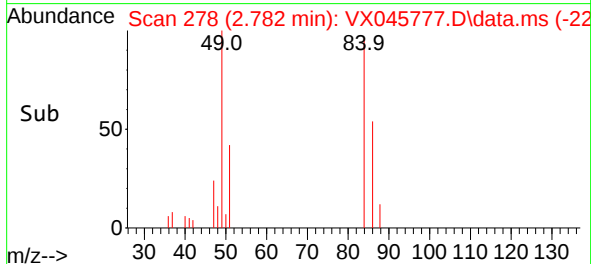
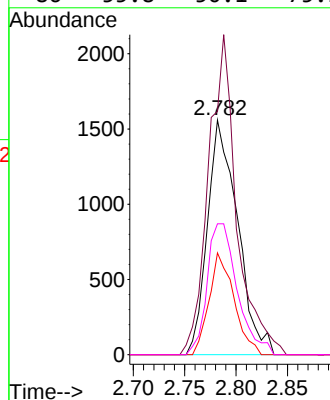
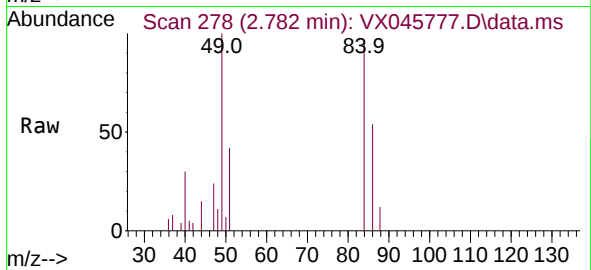




#20
Methylene Chloride
Concen: 3.124 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

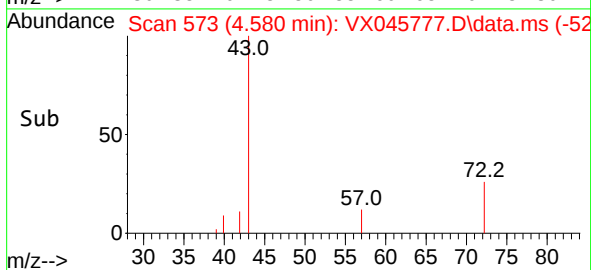
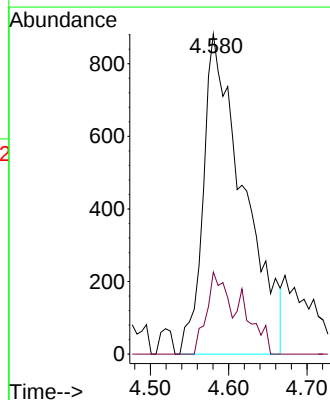
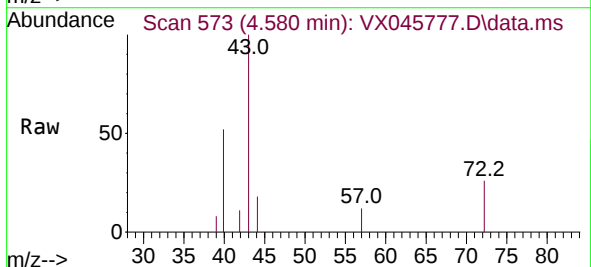
Instrument :
MSVOA_X
ClientSampleId :
TP-2C

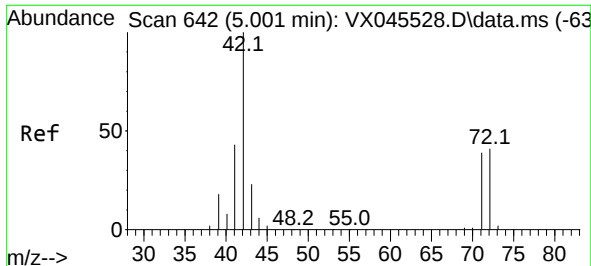
Tgt Ion:	84	Resp:	3179
Ion	Ratio	Lower	Upper
84	100		
49	103.8	107.5	161.3#
51	43.4	33.0	49.6
86	55.8	50.1	75.1



#25
2-Butanone
Concen: 3.953 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Tgt Ion:	43	Resp:	3145
Ion	Ratio	Lower	Upper
43	100		
72	25.6	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.388 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX045777.D

Acq: 14 Apr 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

TP-2C

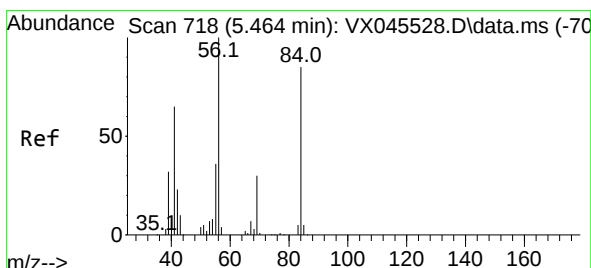
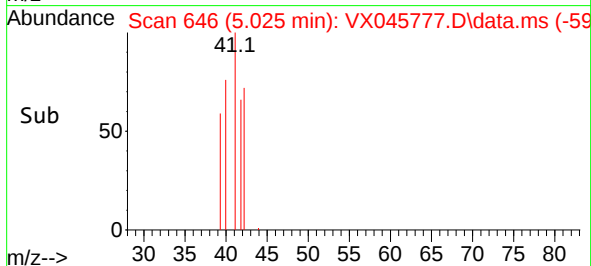
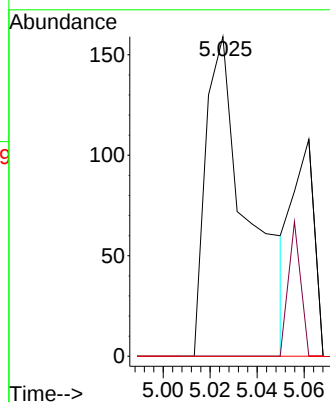
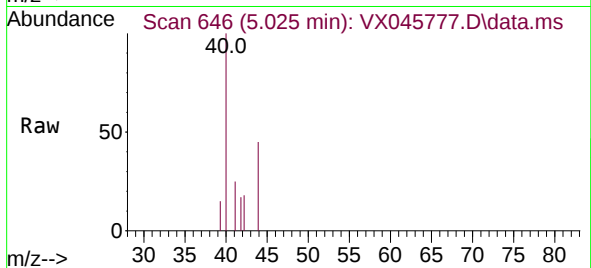
Tgt Ion: 42 Resp: 200

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.265 ug/l

RT: 5.531 min Scan# 729

Delta R.T. 0.067 min

Lab File: VX045777.D

Acq: 14 Apr 2025 18:40

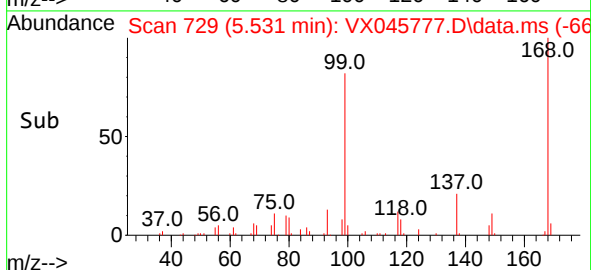
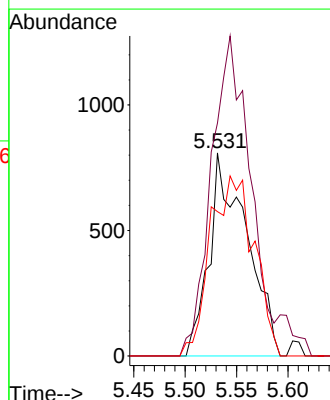
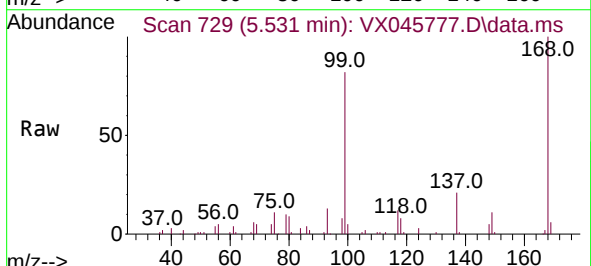
Tgt Ion: 56 Resp: 2054

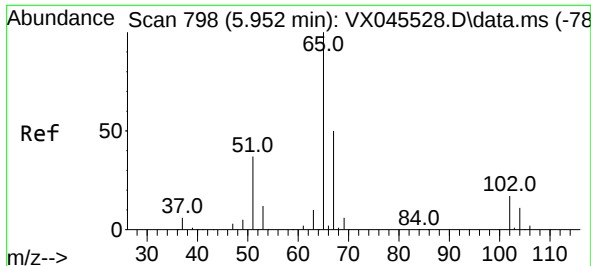
Ion Ratio Lower Upper

56 100

69 114.7 23.6 35.4#

84 71.1 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 54.860 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

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ClientSampleId :

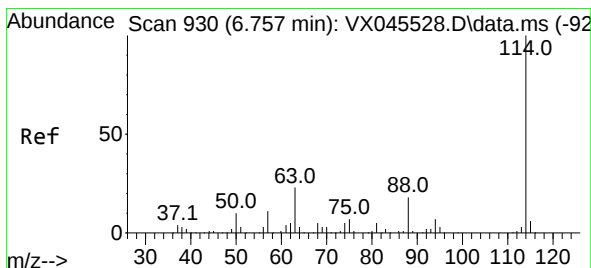
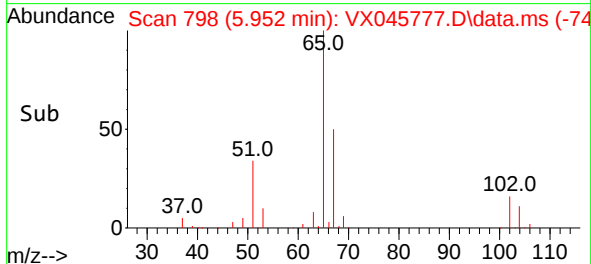
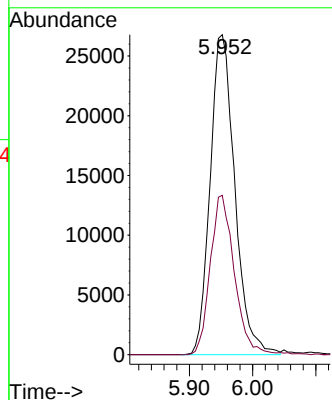
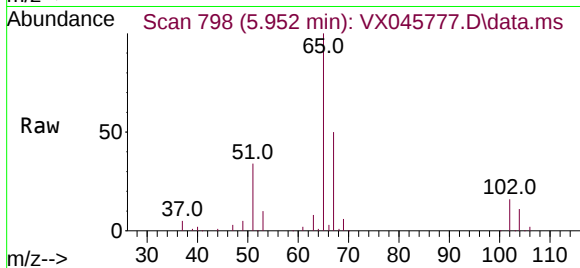
TP-2C

Tgt Ion: 65 Resp: 72611

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# 930

Delta R.T. -0.000 min

Lab File: VX045777.D

Acq: 14 Apr 2025 18:40

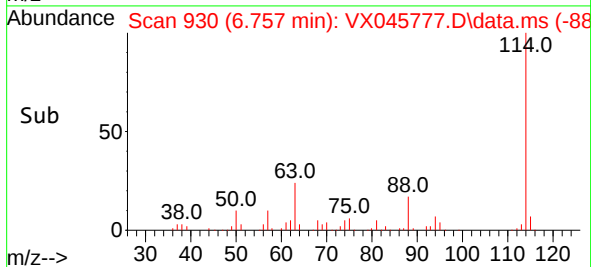
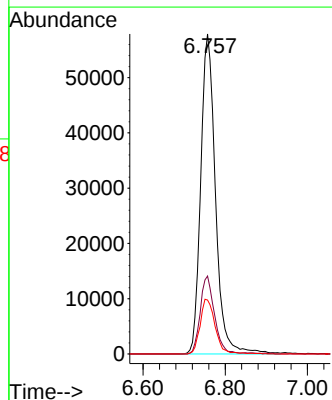
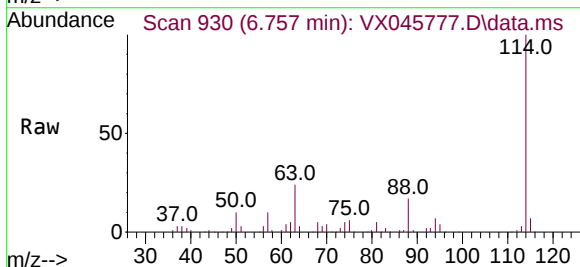
Tgt Ion: 114 Resp: 144406

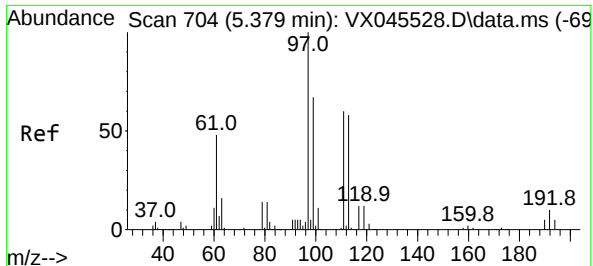
Ion Ratio Lower Upper

114 100

63 24.4 0.0 46.8

88 16.9 0.0 35.4





#35

Dibromofluoromethane

Concen: 51.150 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045777.D

Acq: 14 Apr 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

TP-2C

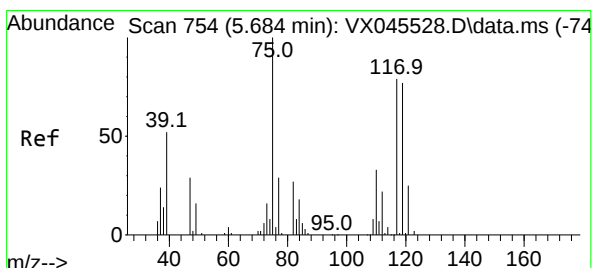
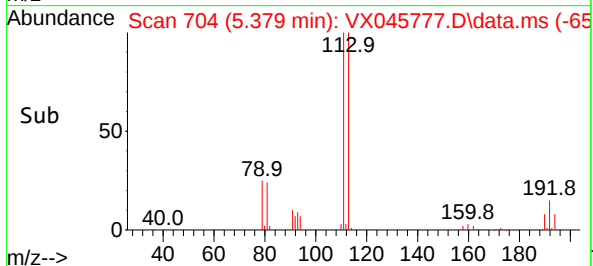
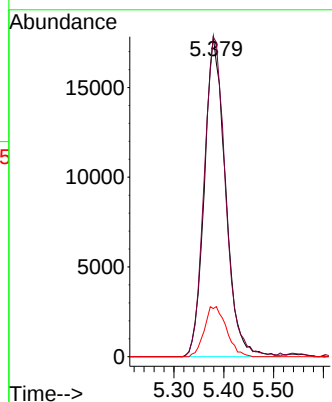
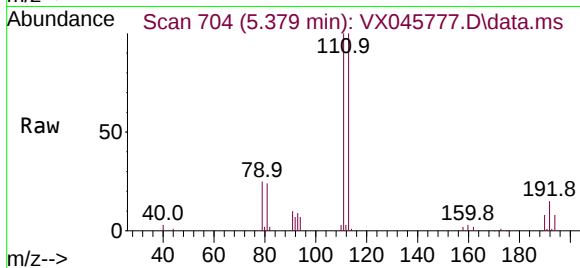
Tgt Ion:113 Resp: 52406

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

192 16.4 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.181 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX045777.D

Acq: 14 Apr 2025 18:40

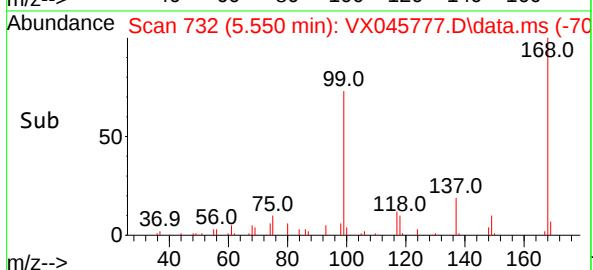
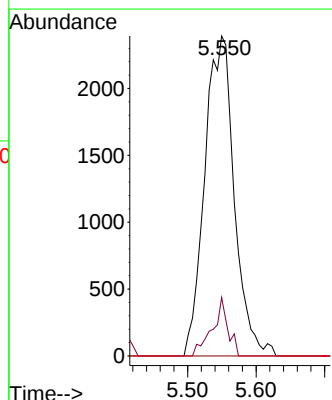
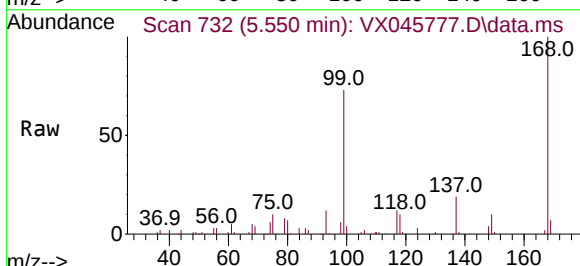
Tgt Ion: 75 Resp: 7167

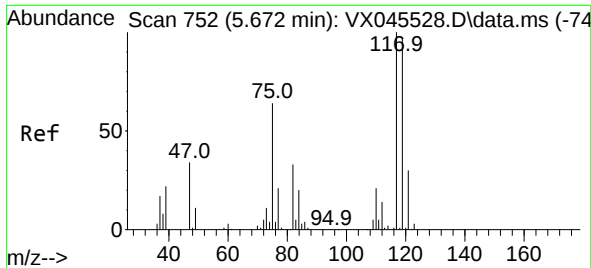
Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.6#

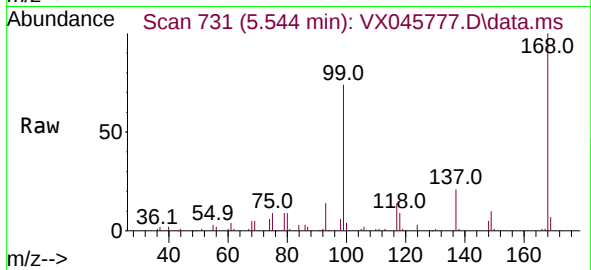
77 0.0 25.0 37.4#



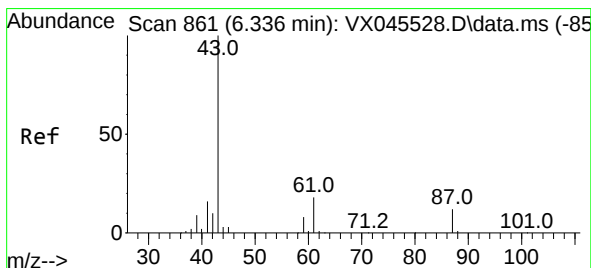
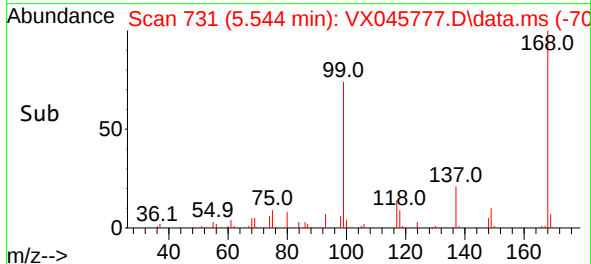
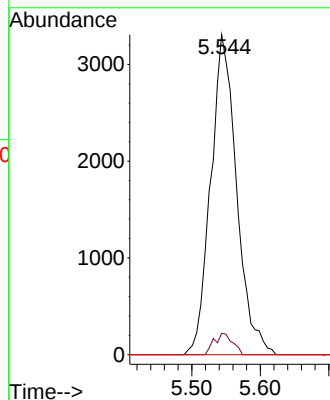


#38
Carbon Tetrachloride
Concen: 5.810 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
TP-2C

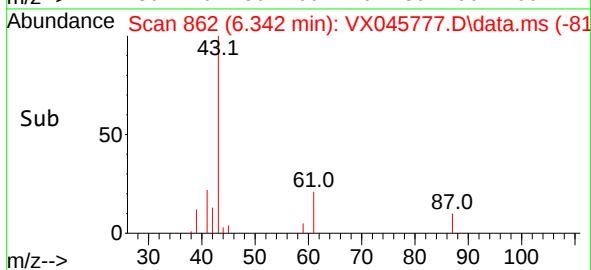
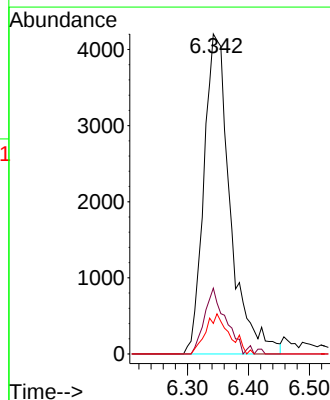
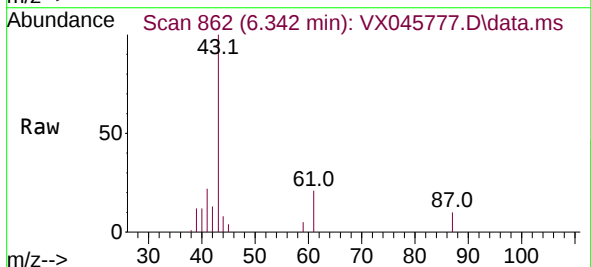


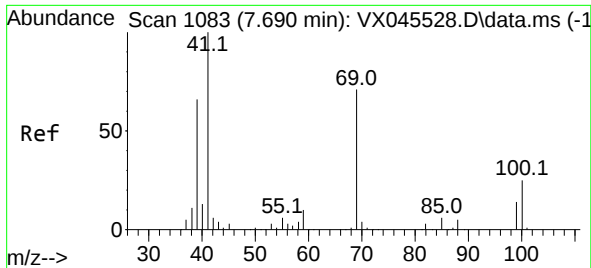
Tgt Ion:117 Resp: 8687
Ion Ratio Lower Upper
117 100
119 6.7 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.784 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Tgt Ion: 43 Resp: 12640
Ion Ratio Lower Upper
43 100
61 16.5 14.1 21.1
87 11.2 9.2 13.8

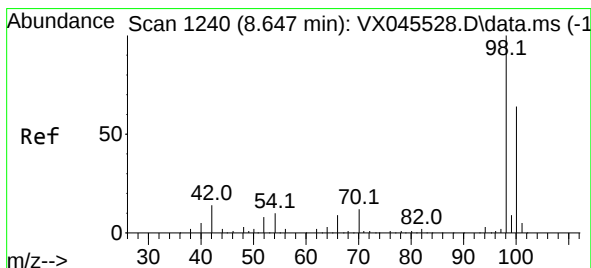
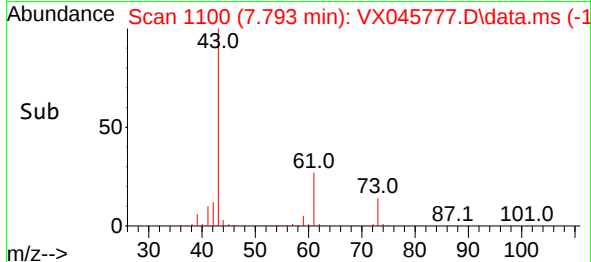
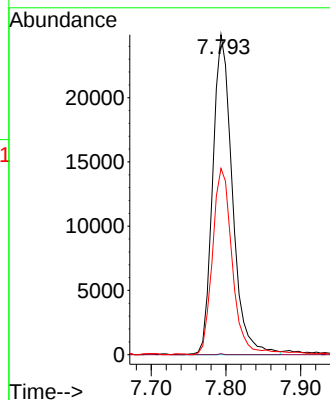
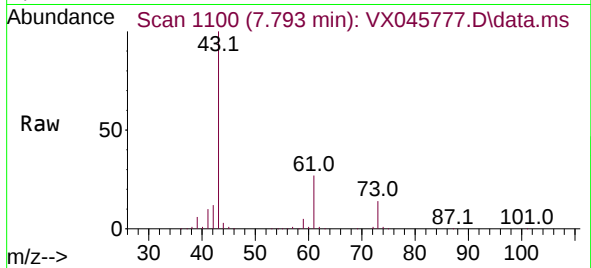




#48
Methyl methacrylate
Concen: 33.413 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

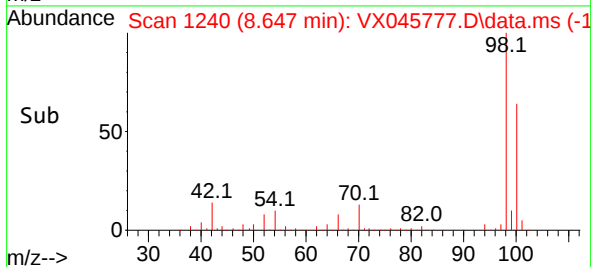
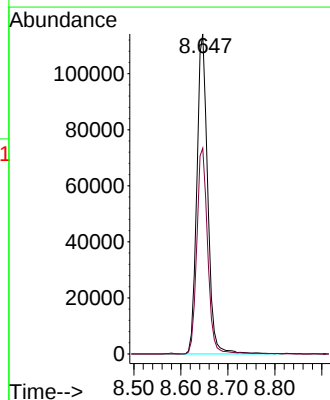
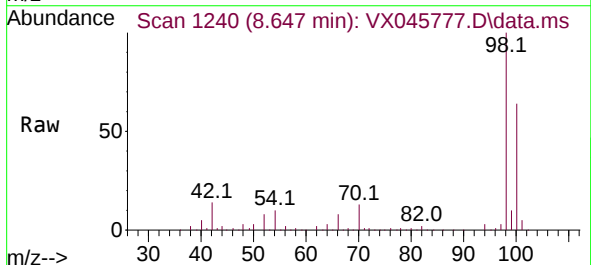
Instrument :
MSVOA_X
ClientSampleId :
TP-2C

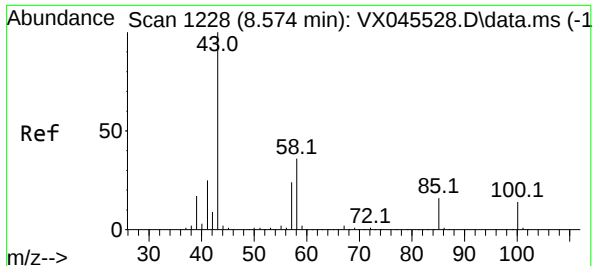
Tgt Ion: 41 Resp: 45583
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 59.7 53.6 80.4



#50
Toluene-d8
Concen: 51.361 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Tgt Ion: 98 Resp: 183674
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4

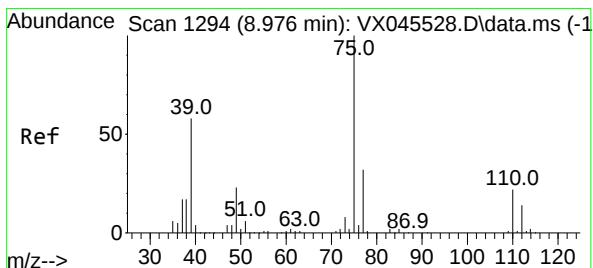
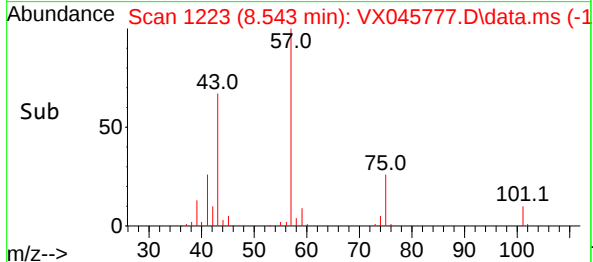
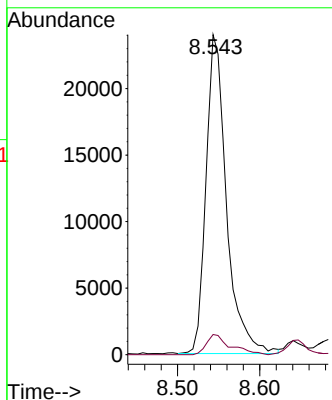
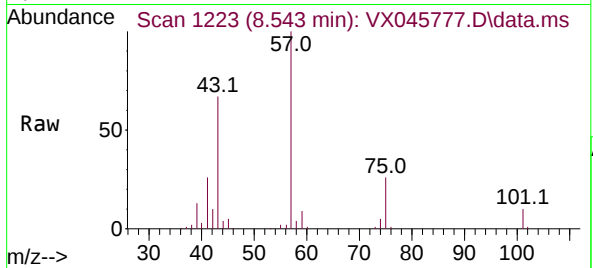




#51
4-Methyl-2-Pentanone
Concen: 23.656 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

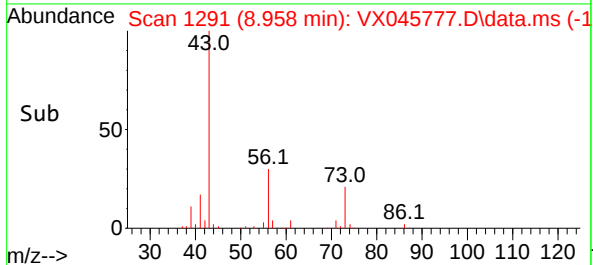
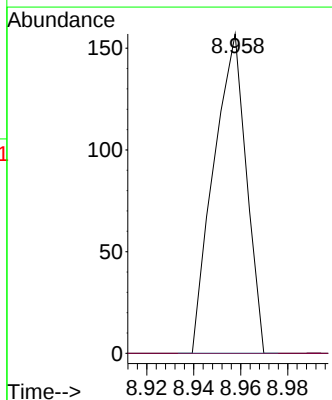
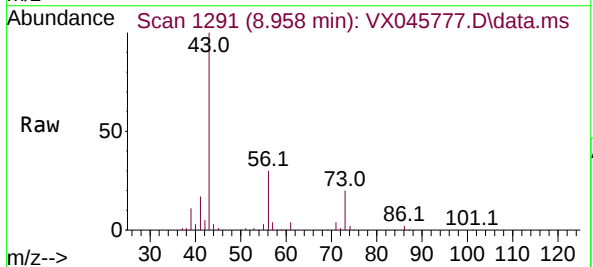
Instrument :
MSVOA_X
ClientSampleId :
TP-2C

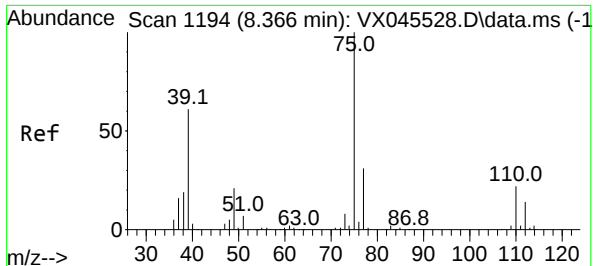
Tgt Ion: 43 Resp: 41436
Ion Ratio Lower Upper
43 100
58 7.4 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.382 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Tgt Ion: 75 Resp: 151
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

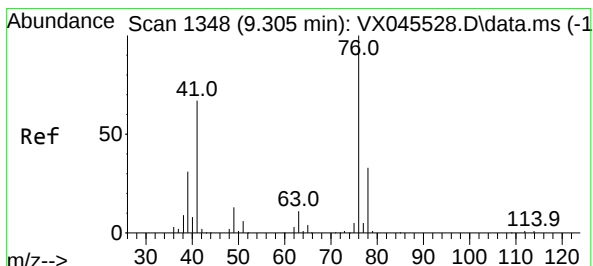
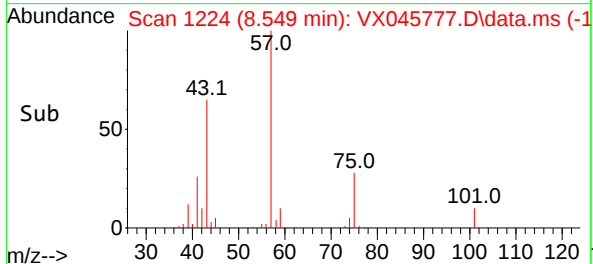
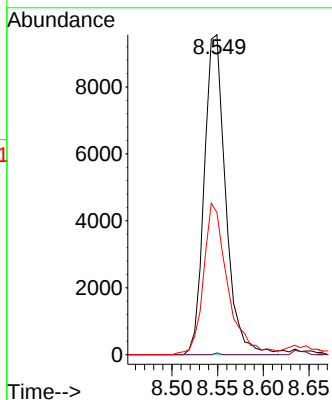
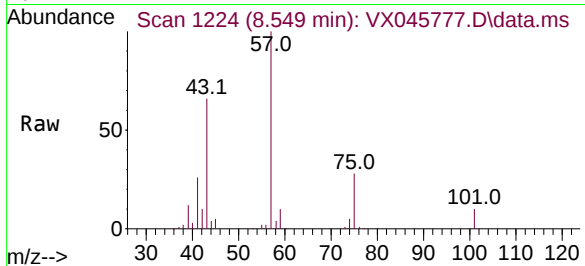




#54
 cis-1,3-Dichloropropene
 Concen: 10.252 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045777.D
 Acq: 14 Apr 2025 18:40

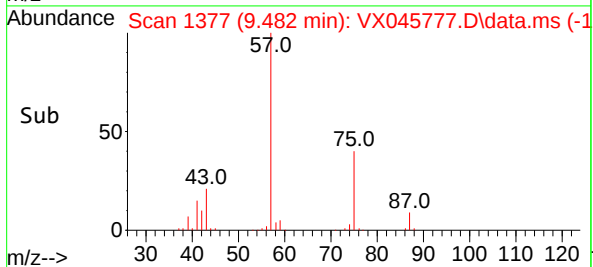
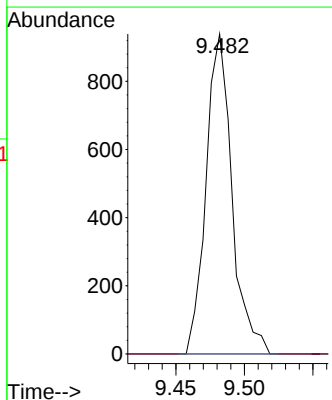
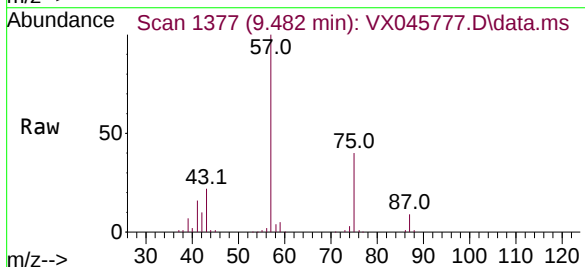
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2C

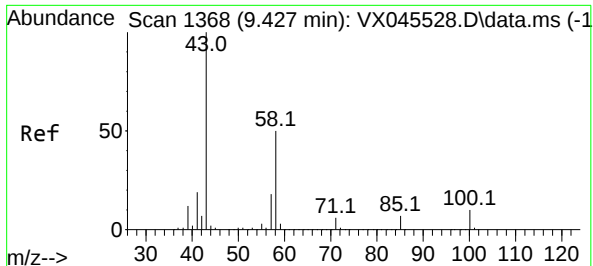
Tgt Ion: 75 Resp: 15569
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 36.8#
 39 43.9 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.696 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045777.D
 Acq: 14 Apr 2025 18:40

Tgt Ion: 76 Resp: 1234
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

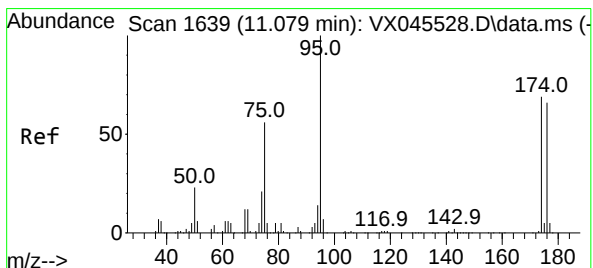
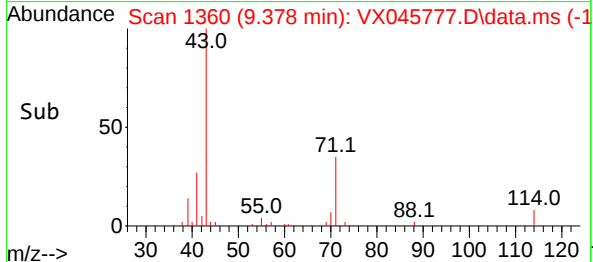
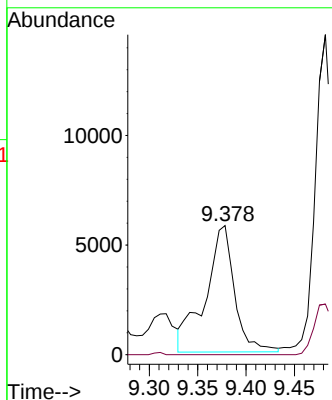
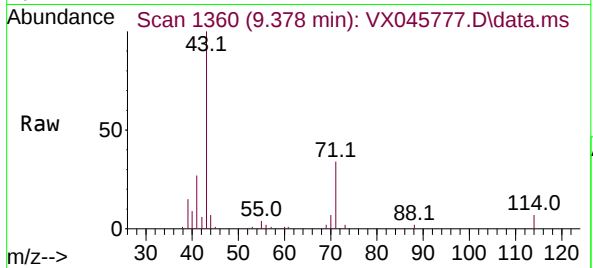




#59
2-Hexanone
Concen: 9.339 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

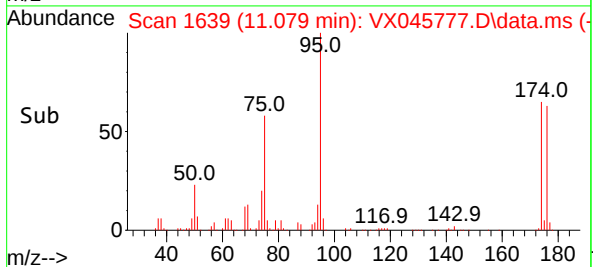
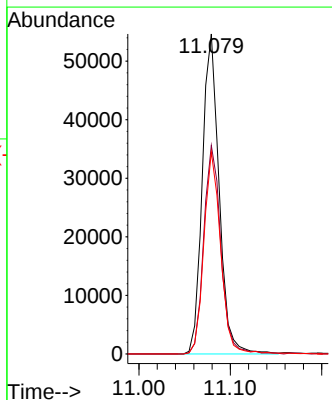
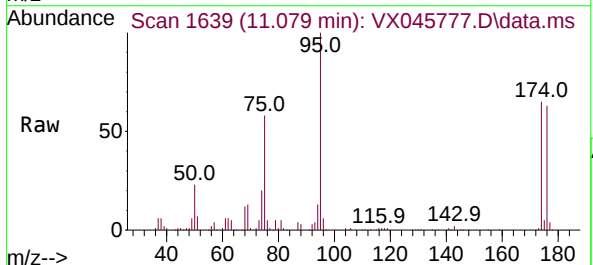
Instrument :
MSVOA_X
ClientSampleId :
TP-2C

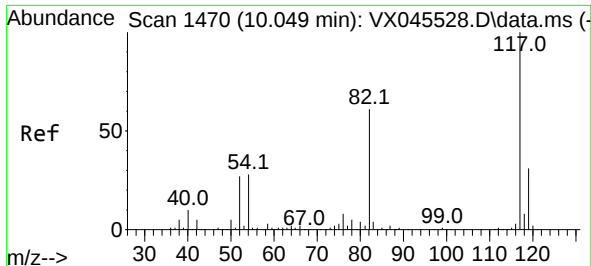
Tgt Ion: 43 Resp: 12114
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.570 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Tgt Ion: 95 Resp: 69780
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.8
176 63.0 0.0 131.4

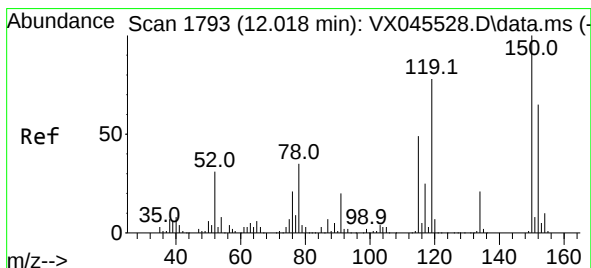
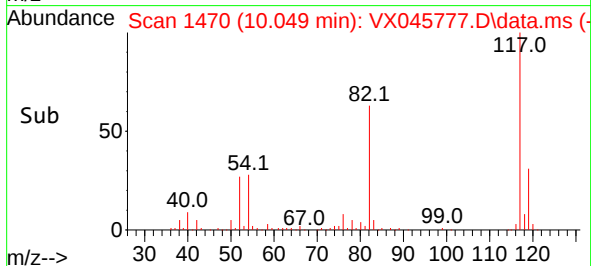
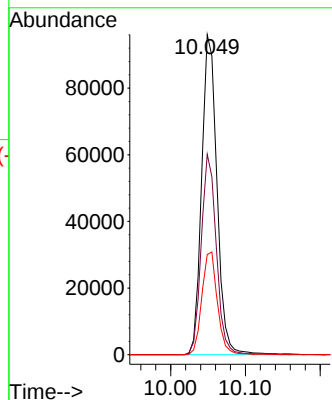
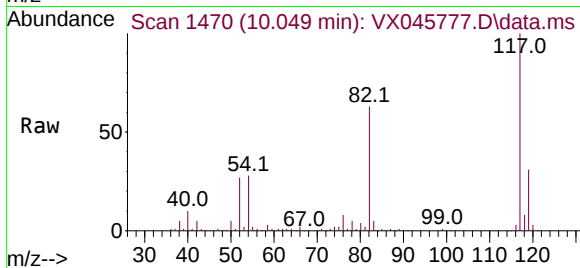




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

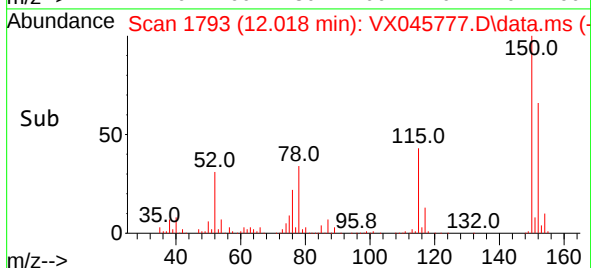
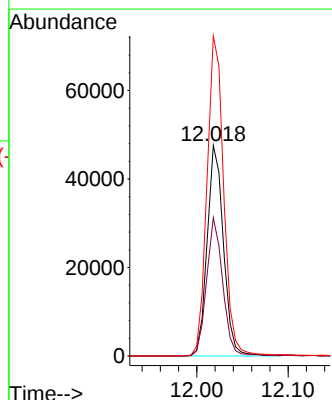
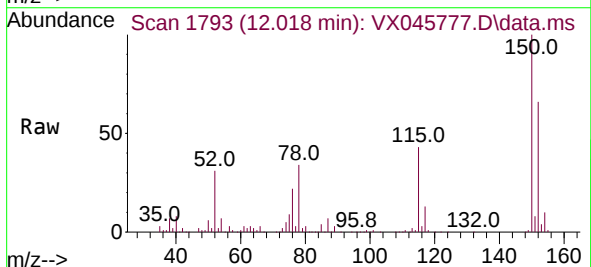
Instrument :
MSVOA_X
ClientSampleId :
TP-2C

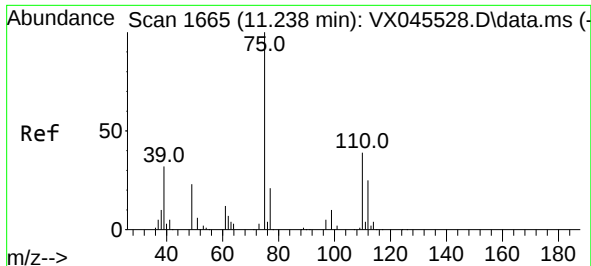
Tgt Ion:117 Resp: 136600
Ion Ratio Lower Upper
117 100
82 62.6 49.2 73.8
119 31.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Tgt Ion:152 Resp: 58952
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 155.6 0.0 349.4

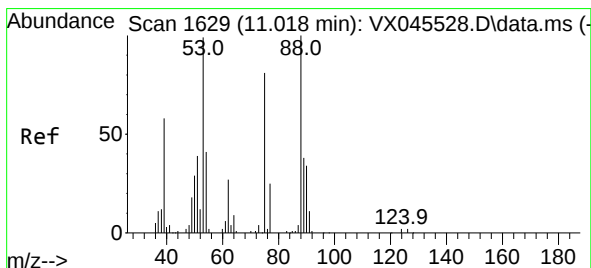
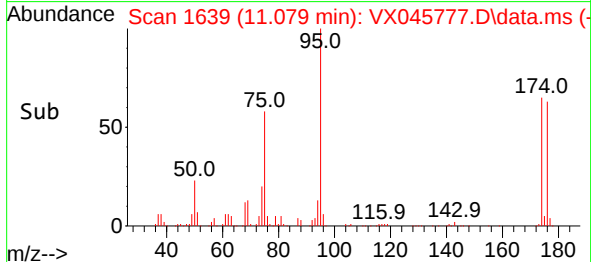
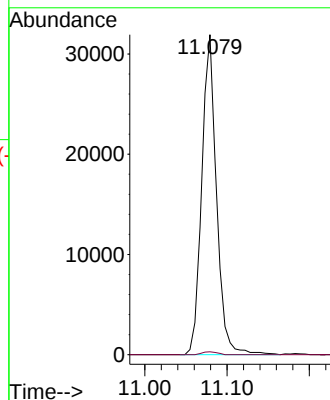
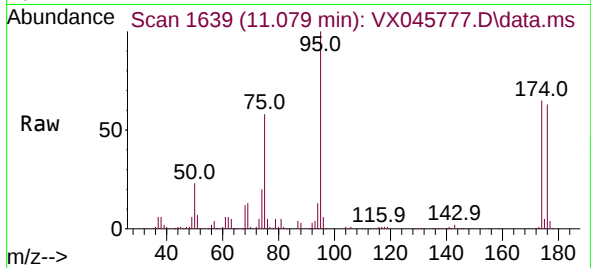




#76
1,2,3-Trichloropropane
Concen: 27.760 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
TP-2C

Tgt Ion: 75 Resp: 39919
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.216 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045777.D
Acq: 14 Apr 2025 18:40

Tgt Ion: 75 Resp: 39919
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

