

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045661.D
 Acq On : 08 Apr 2025 18:40
 Operator : JC/MD
 Sample : Q1744-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-158-SB02

Quant Time: Apr 09 01:44:13 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)

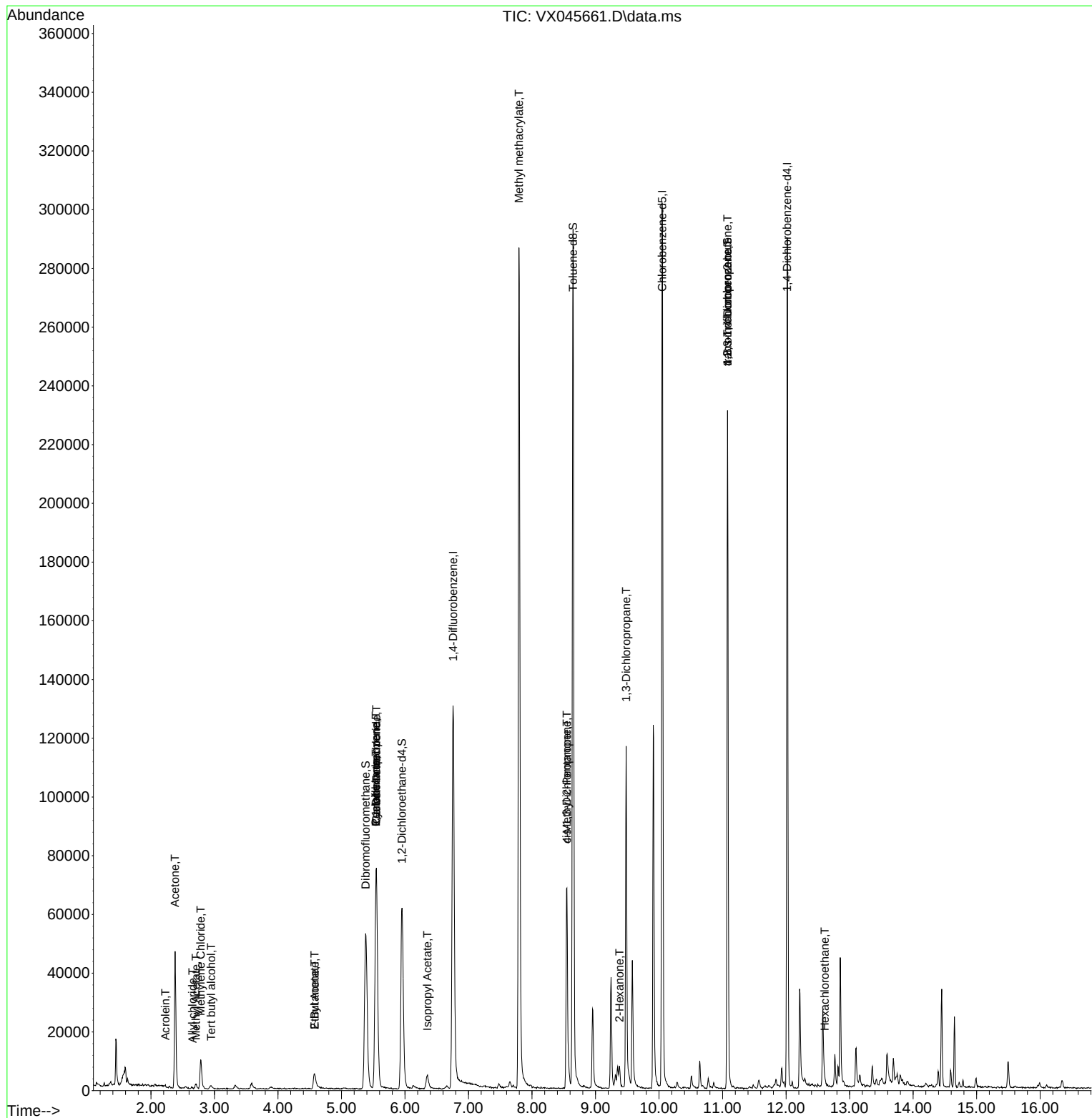
Internal Standards						
1) Pentafluorobenzene	5.544	168	63944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127369	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63919	54.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.320%			
35) Dibromofluoromethane	5.379	113	46324	51.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.520%			
50) Toluene-d8	8.647	98	163599	51.867	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.740%			
62) 4-Bromofluorobenzene	11.079	95	60955	53.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.100%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.946	59	788	5.014	ug/l #	72
13) Acrolein	2.227	56	90	0.416	ug/l #	14
14) Allyl chloride	2.654	41	334	0.229	ug/l #	83
16) Acetone	2.380	43	48261	100.507	ug/l	96
18) Methyl Acetate	2.709	43	2379	2.152	ug/l #	90
20) Methylene Chloride	2.782	84	4803	5.343	ug/l	97
25) 2-Butanone	4.574	43	10995	15.643	ug/l	93
31) Cyclohexane	5.544	56	1886	1.315	ug/l #	42
36) 1,1-Dichloropropene	5.544	75	6413	5.256	ug/l #	49
37) Ethyl Acetate	4.574	43	10995	7.151	ug/l #	71
38) Carbon Tetrachloride	5.550	117	7828	5.936	ug/l #	15
43) Isopropyl Acetate	6.354	43	7289	3.128	ug/l	95
48) Methyl methacrylate	7.793	41	29608	24.606	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	28271	18.299	ug/l #	54
54) cis-1,3-Dichloropropene	8.549	75	10682	7.975	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	911	0.582	ug/l #	42
59) 2-Hexanone	9.378	43	4617	4.036	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	35024	28.113	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35024	95.413	ug/l #	1
90) Hexachloroethane	12.609	117	304	0.522	ug/l #	19

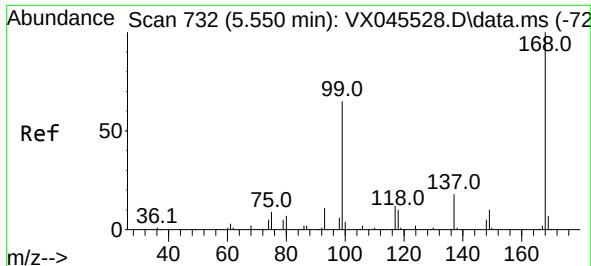
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 01:44:13 2025
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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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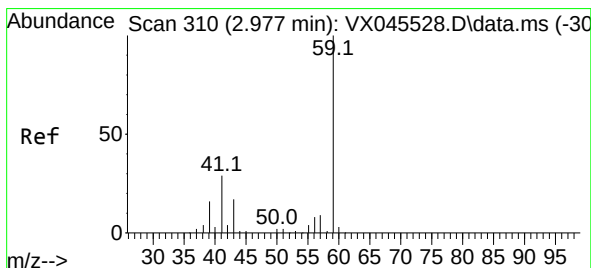
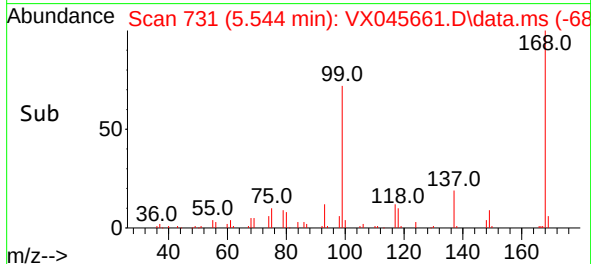
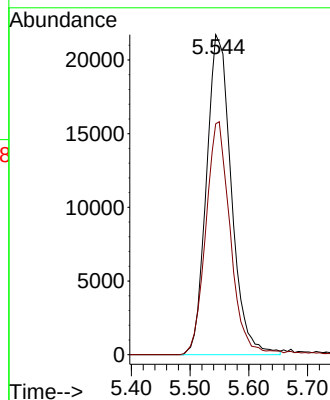
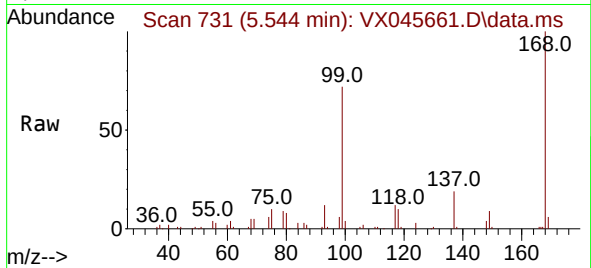




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

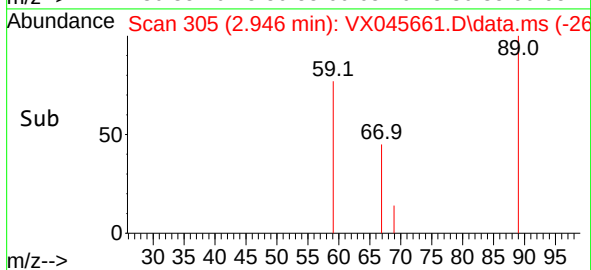
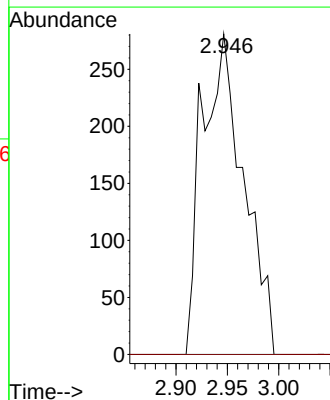
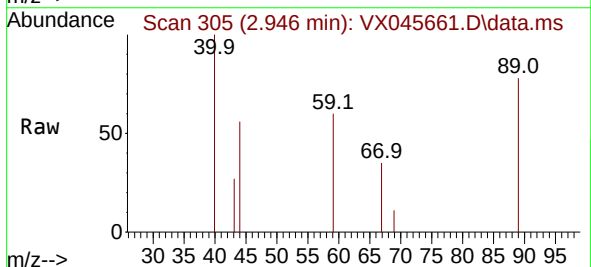
Instrument :
MSVOA_X
ClientSampleId :
B-158-SB02

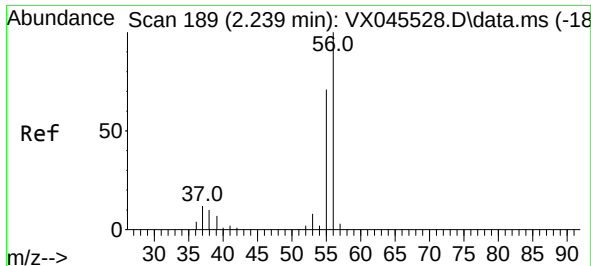
Tgt Ion:168 Resp: 63944
Ion Ratio Lower Upper
168 100
99 72.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 5.014 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion: 59 Resp: 788
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

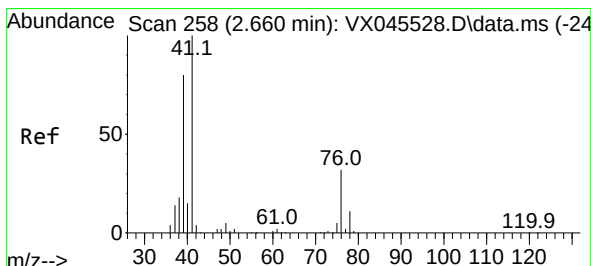
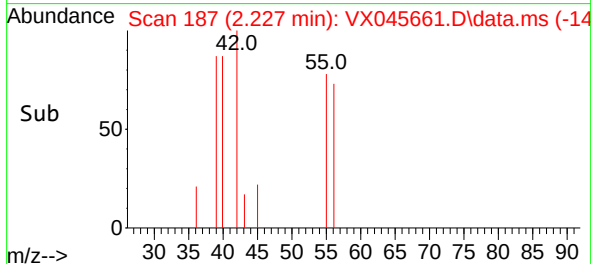
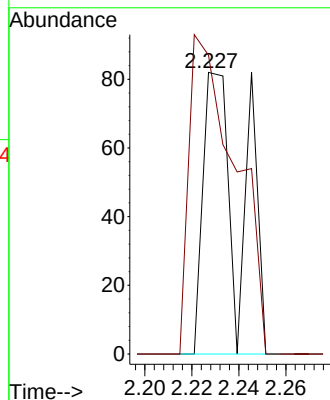
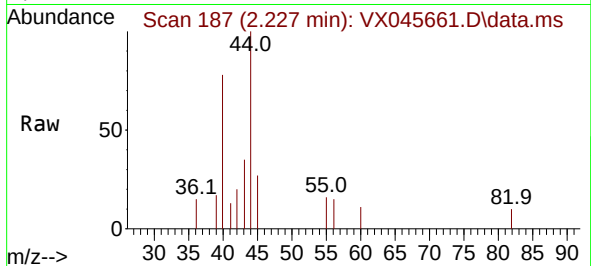




#13
Acrolein
Concen: 0.416 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

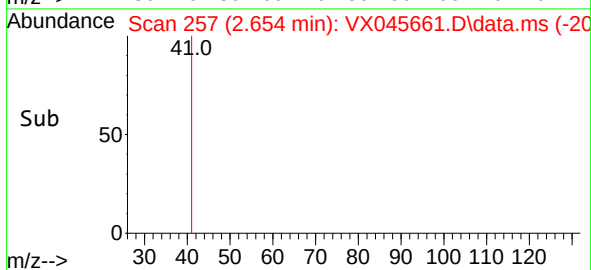
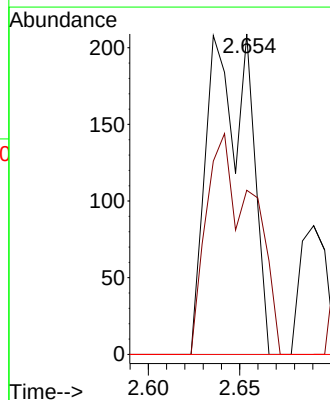
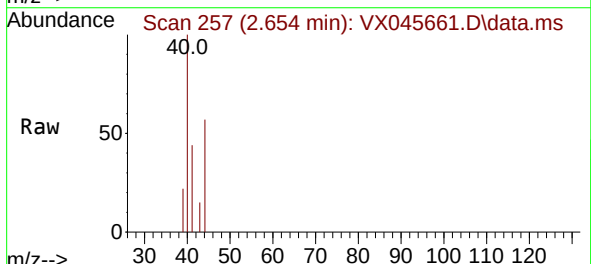
Instrument :
MSVOA_X
ClientSampleId :
B-158-SB02

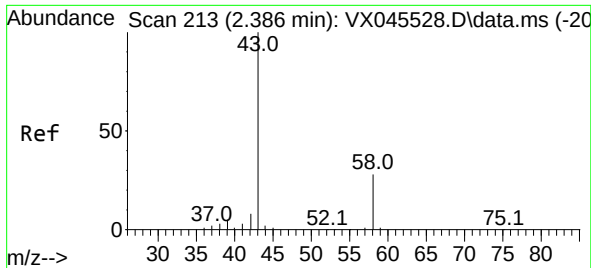
Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 141.1 56.2 84.2#



#14
Allyl chloride
Concen: 0.229 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion: 41 Resp: 334
Ion Ratio Lower Upper
41 100
39 75.7 60.2 90.2
76 0.0 24.6 36.8#

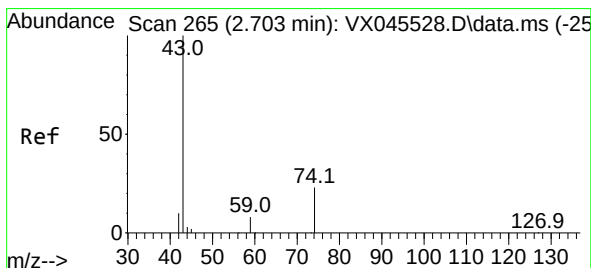
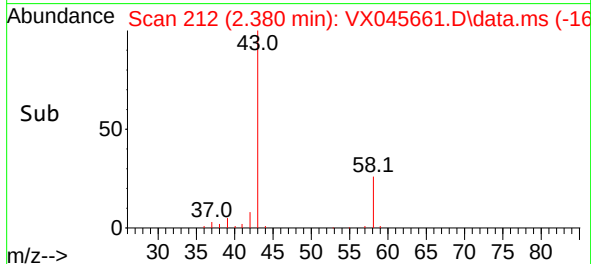
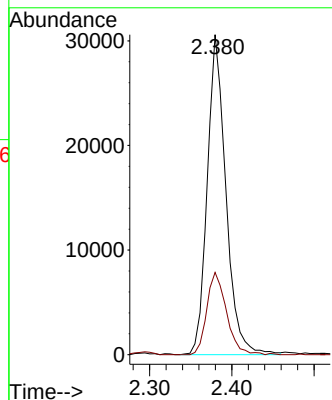
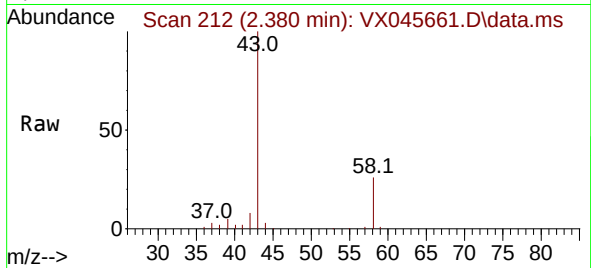




#16
Acetone
Concen: 100.507 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

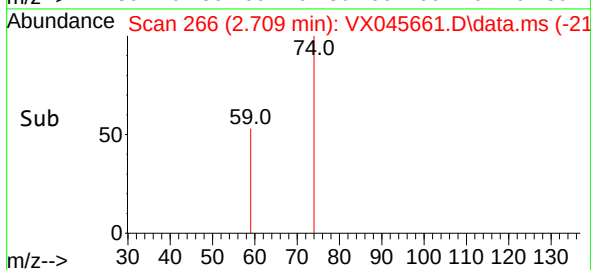
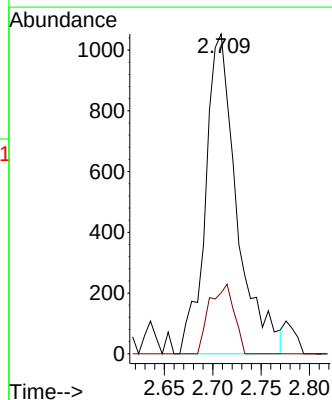
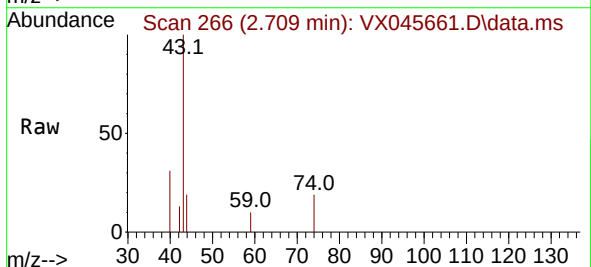
Instrument :
MSVOA_X
ClientSampleId :
B-158-SB02

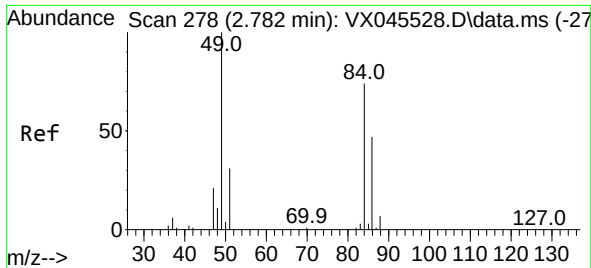
Tgt Ion: 43 Resp: 48261
Ion Ratio Lower Upper
43 100
58 25.7 22.3 33.5



#18
Methyl Acetate
Concen: 2.152 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion: 43 Resp: 2379
Ion Ratio Lower Upper
43 100
74 17.1 17.5 26.3#

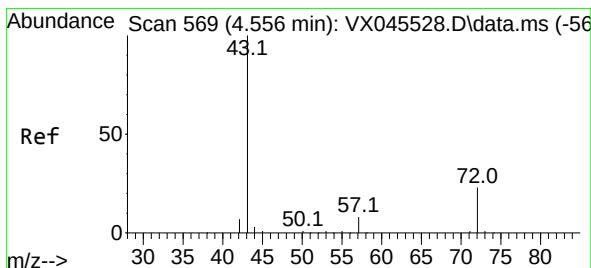
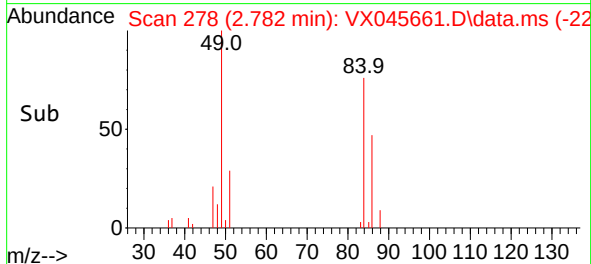
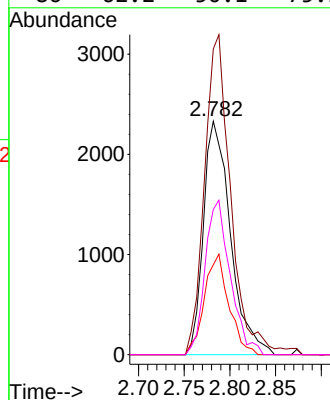
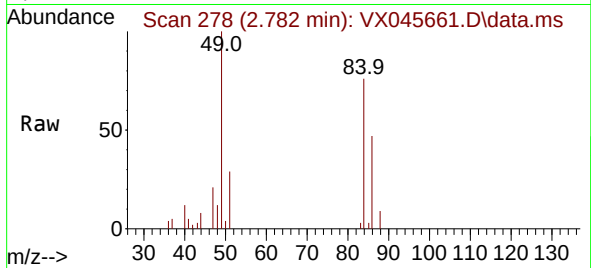




#20
Methylene Chloride
Concen: 5.343 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

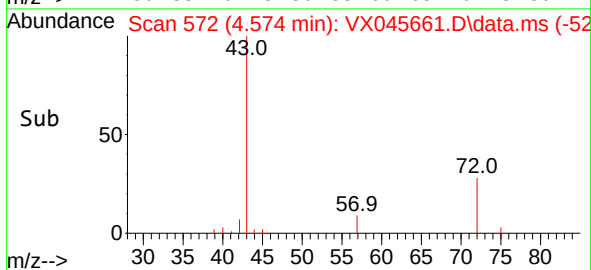
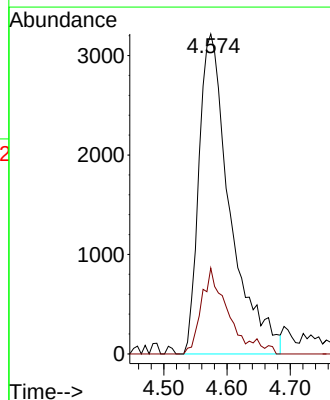
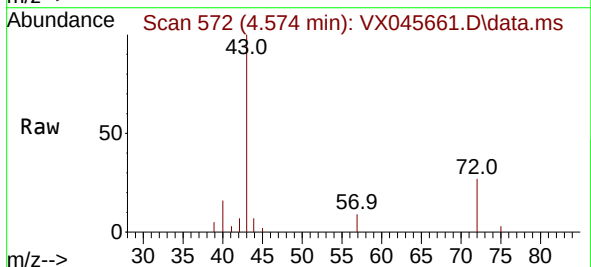
Instrument :
MSVOA_X
ClientSampleId :
B-158-SB02

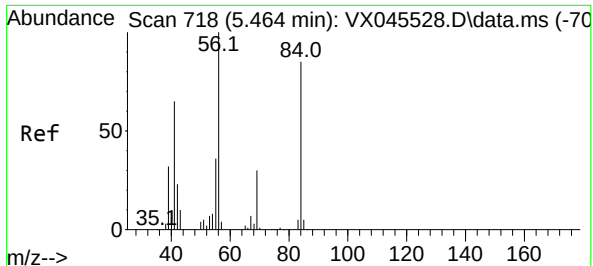
Tgt Ion:	84	Resp:	4803
Ion	Ratio	Lower	Upper
84	100		
49	131.0	107.5	161.3
51	38.5	33.0	49.6
86	62.2	50.1	75.1



#25
2-Butanone
Concen: 15.643 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion:	43	Resp:	10995
Ion	Ratio	Lower	Upper
43	100		
72	26.8	18.6	28.0

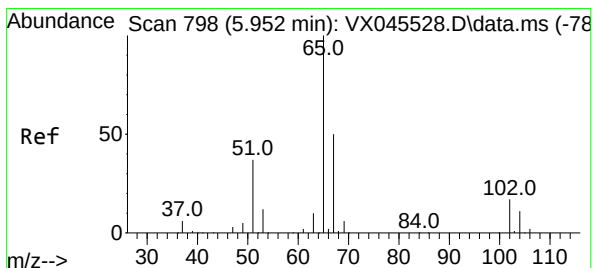
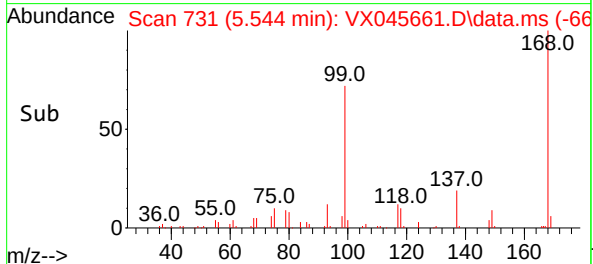
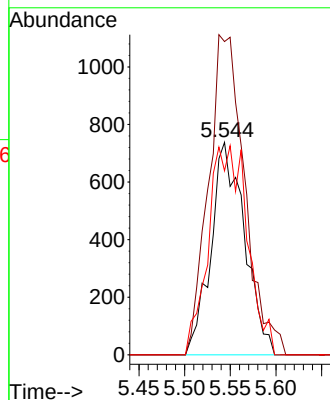
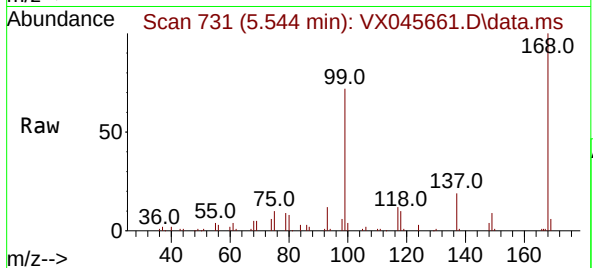




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

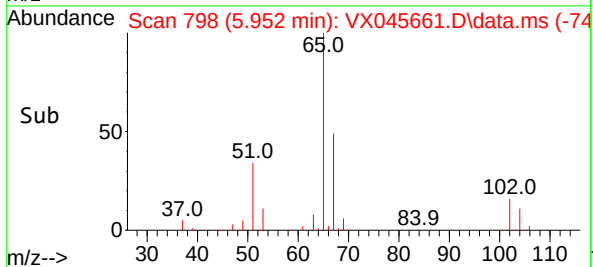
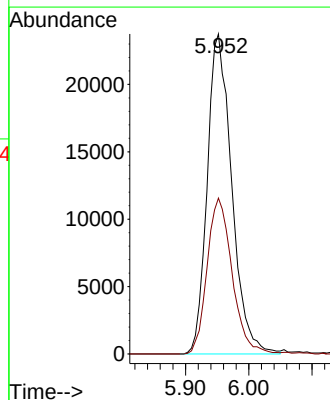
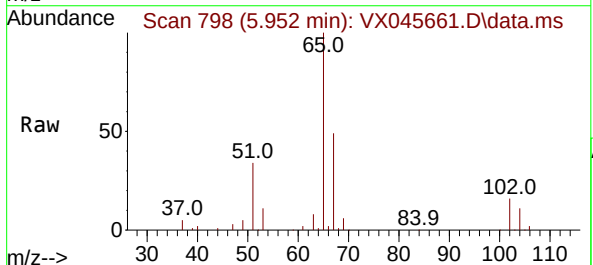
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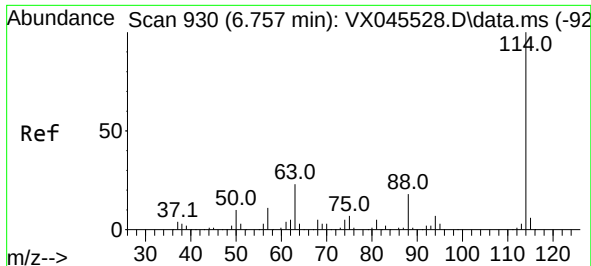
Tgt Ion: 56 Resp: 1886
Ion Ratio Lower Upper
56 100
69 147.4 23.6 35.4#
84 86.6 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.661 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion: 65 Resp: 63919
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

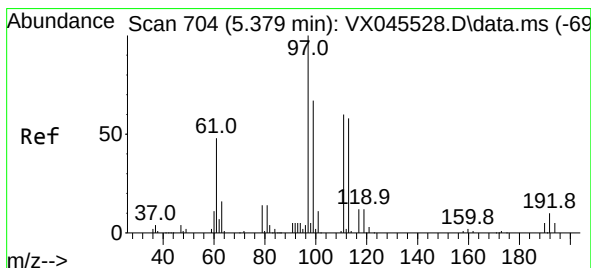
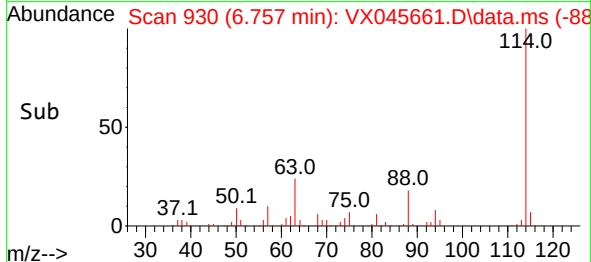
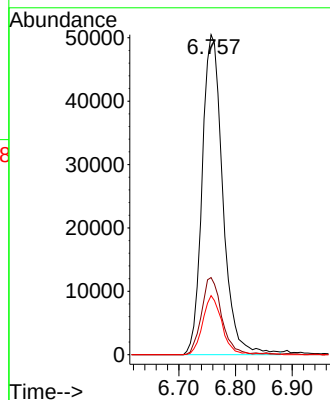
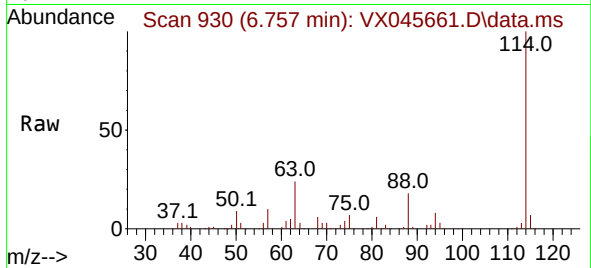




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

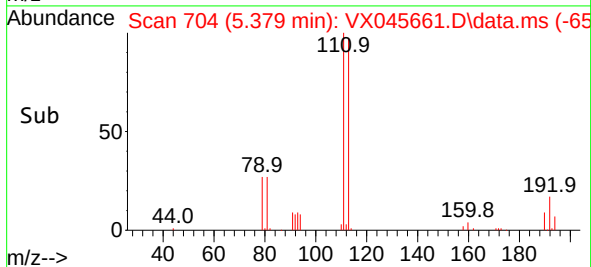
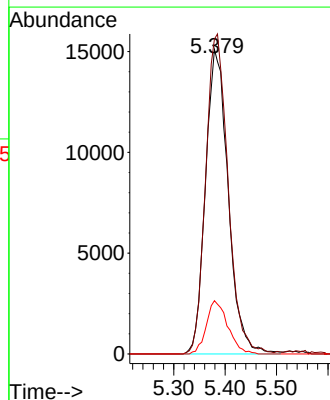
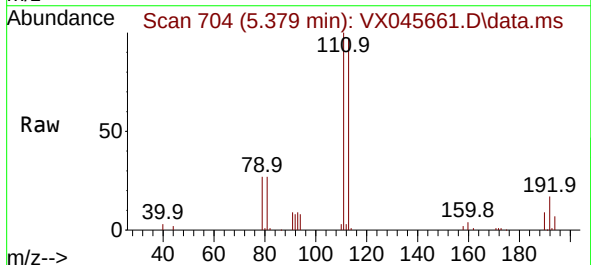
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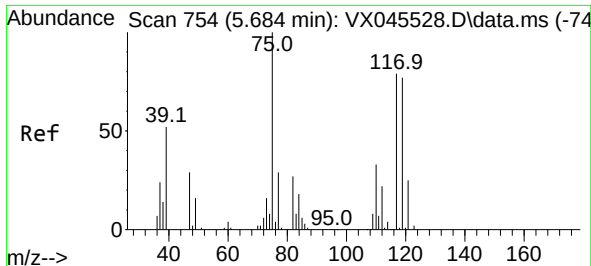
Tgt Ion:114 Resp: 127369
Ion Ratio Lower Upper
114 100
63 24.1 0.0 46.8
88 18.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.261 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion:113 Resp: 46324
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.6
192 16.5 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.256 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045661.D

Acq: 08 Apr 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

B-158-SB02

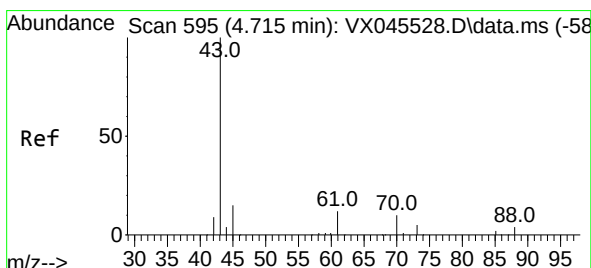
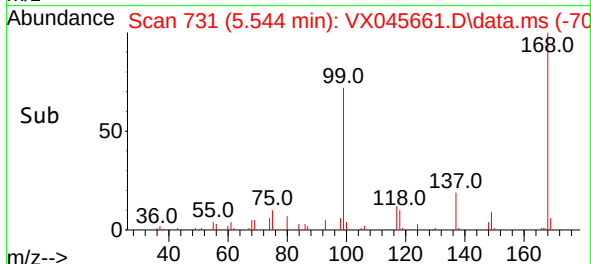
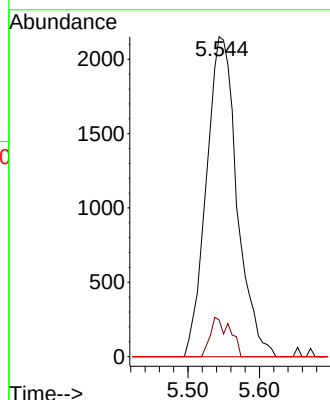
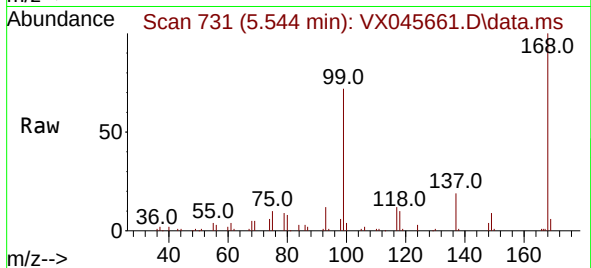
Tgt Ion: 75 Resp: 6413

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 7.151 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.140 min

Lab File: VX045661.D

Acq: 08 Apr 2025 18:40

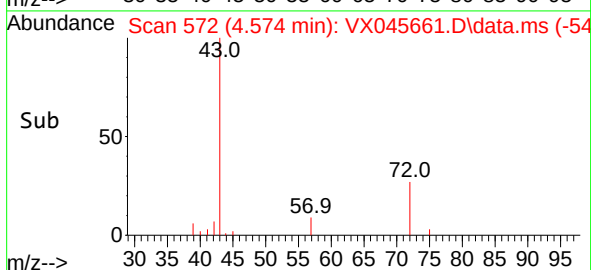
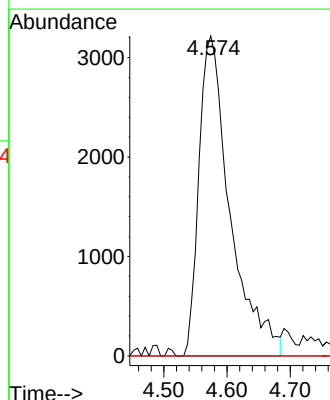
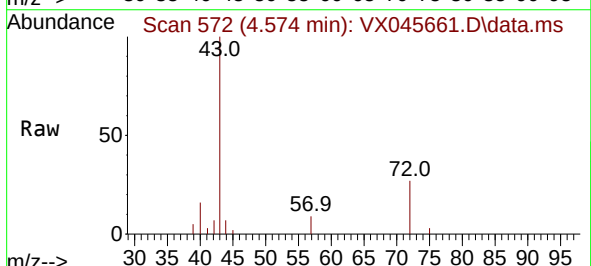
Tgt Ion: 43 Resp: 10995

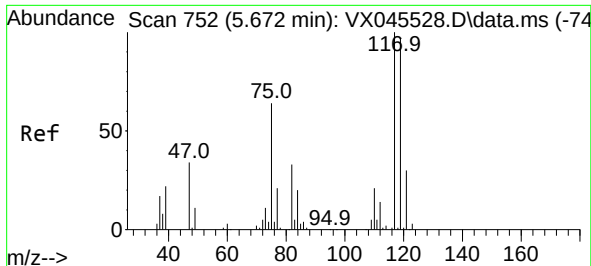
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

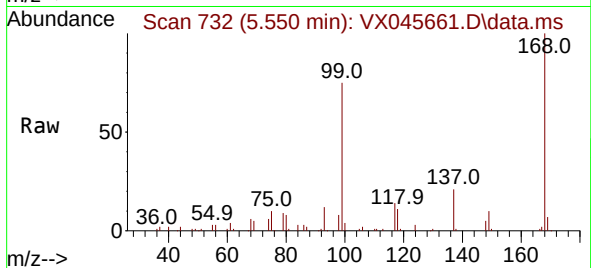
70 0.0 7.5 11.3#



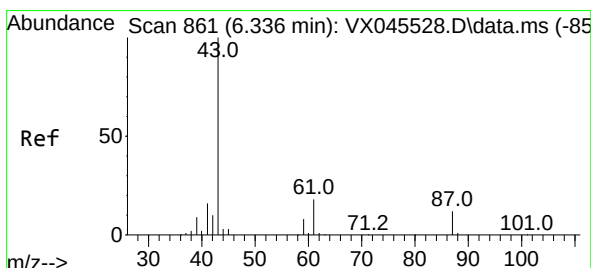
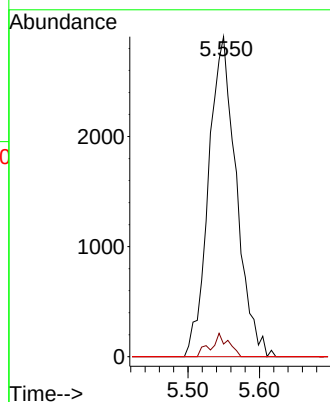
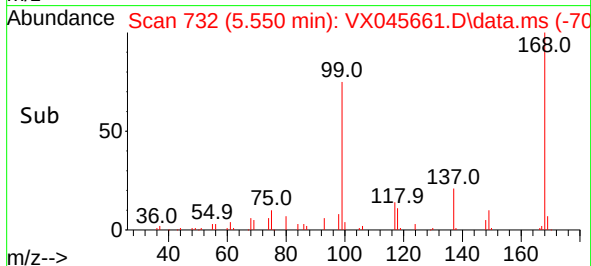


#38
Carbon Tetrachloride
Concen: 5.936 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
B-158-SB02

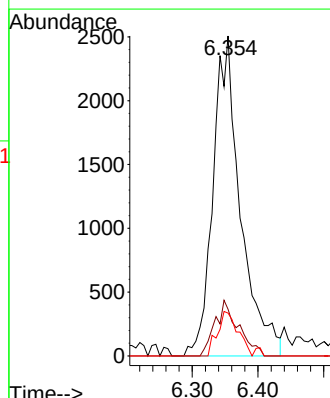
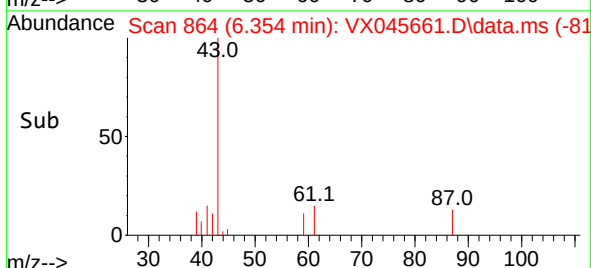
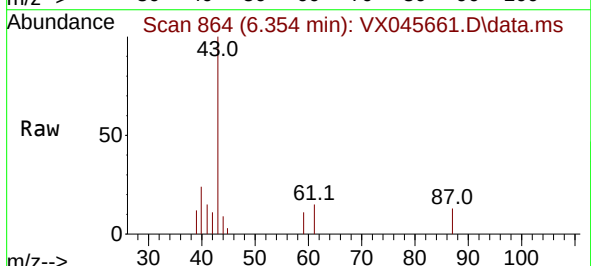


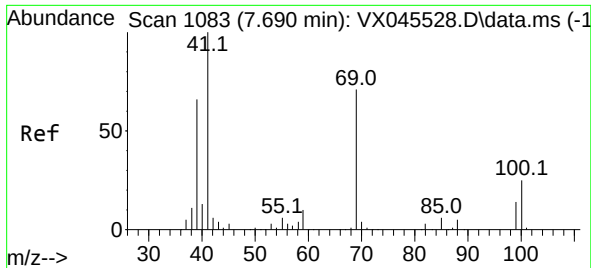
Tgt Ion:117 Resp: 7828
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.128 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion: 43 Resp: 7289
Ion Ratio Lower Upper
43 100
61 14.9 14.1 21.1
87 10.3 9.2 13.8

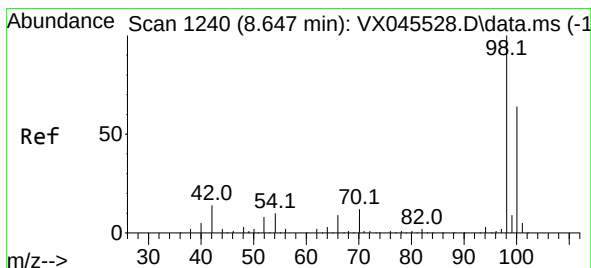
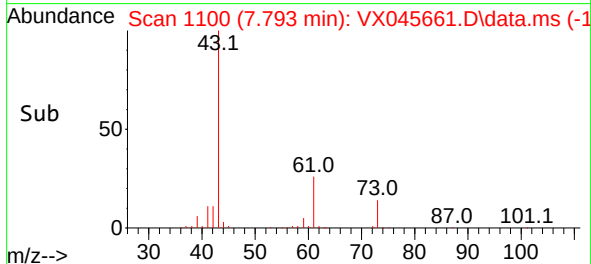
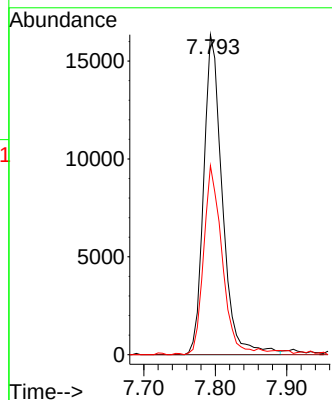
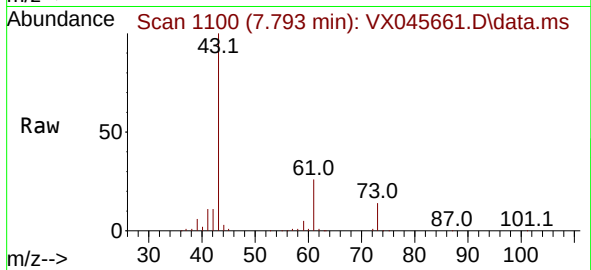




#48
Methyl methacrylate
Concen: 24.606 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

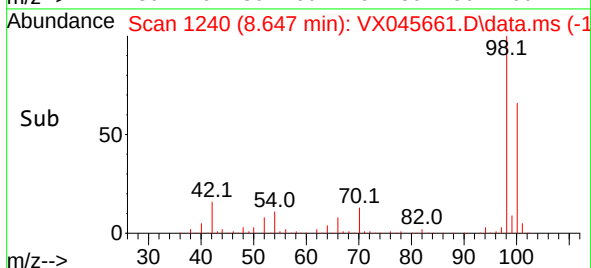
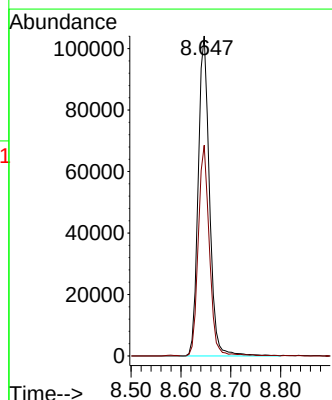
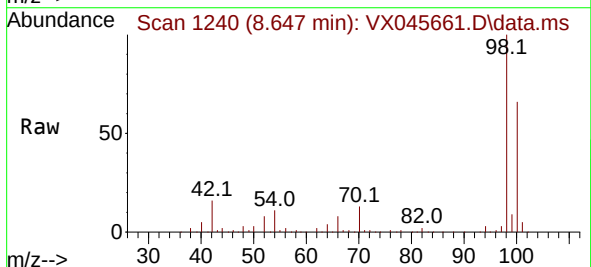
Instrument :
MSVOA_X
ClientSampleId :
B-158-SB02

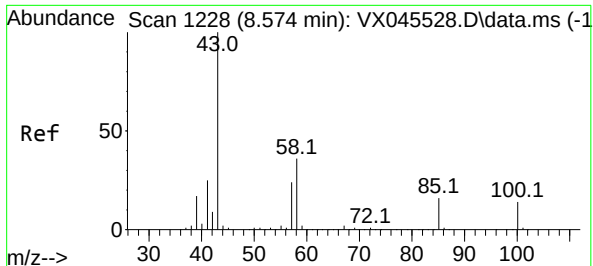
Tgt Ion: 41 Resp: 29608
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.3 53.6 80.4



#50
Toluene-d8
Concen: 51.867 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion: 98 Resp: 163599
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

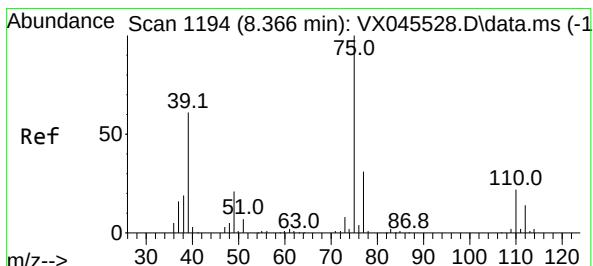
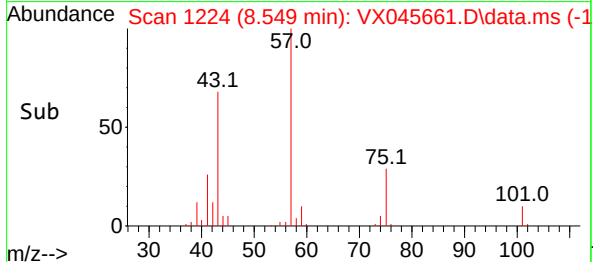
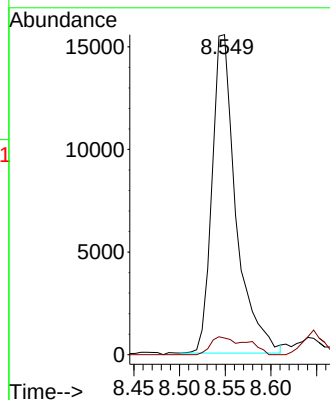
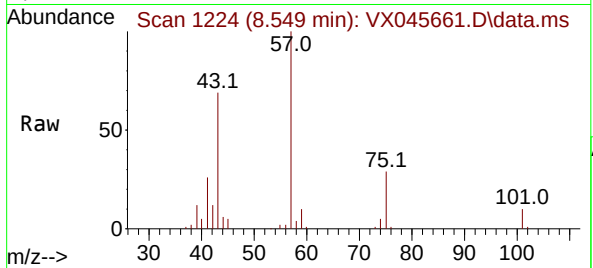




#51
4-Methyl-2-Pentanone
Concen: 18.299 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

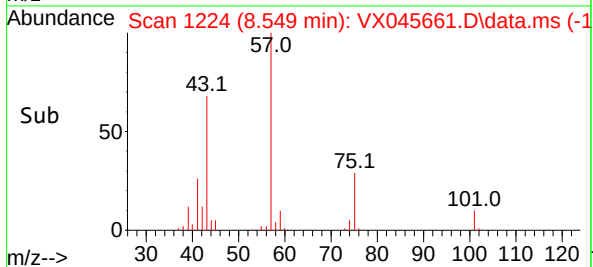
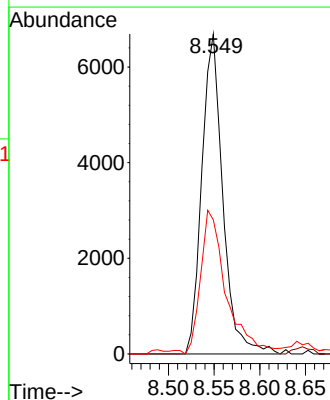
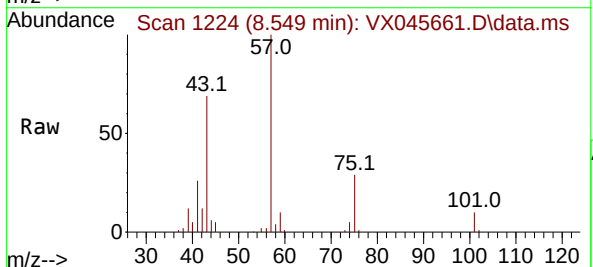
Instrument :
MSVOA_X
ClientSampleId :
B-158-SB02

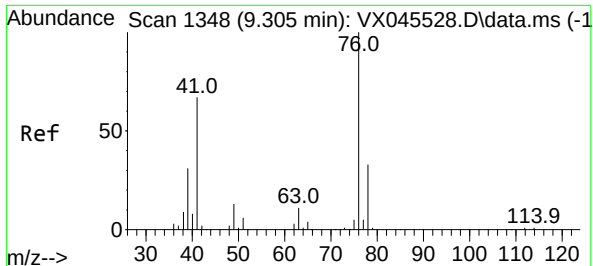
Tgt Ion: 43 Resp: 28271
Ion Ratio Lower Upper
43 100
58 8.5 28.5 42.7#



#54
cis-1,3-Dichloropropene
Concen: 7.975 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion: 75 Resp: 10682
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 40.8 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.582 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX045661.D

Acq: 08 Apr 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

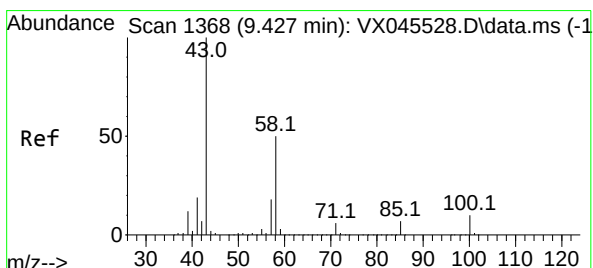
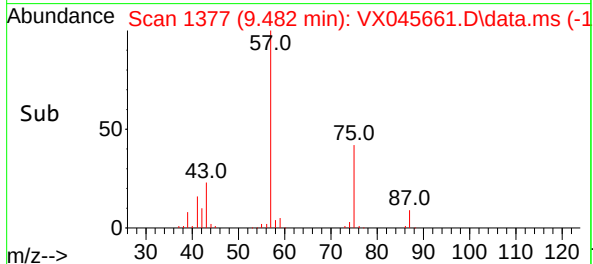
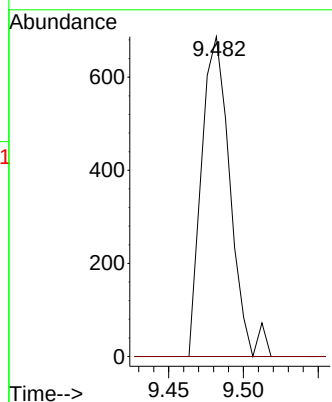
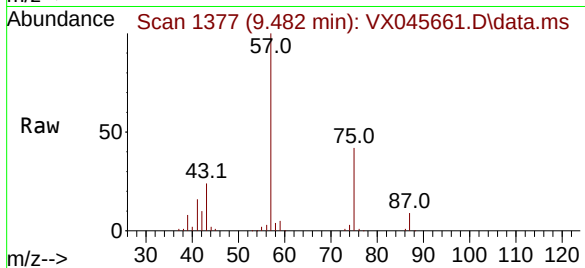
B-158-SB02

Tgt Ion: 76 Resp: 911

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 4.036 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045661.D

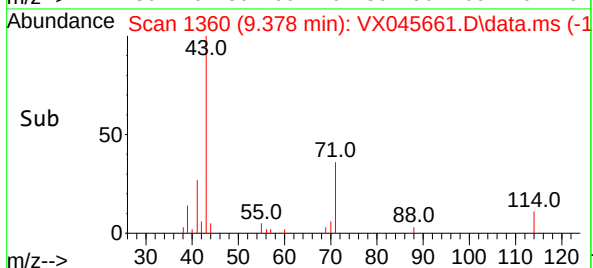
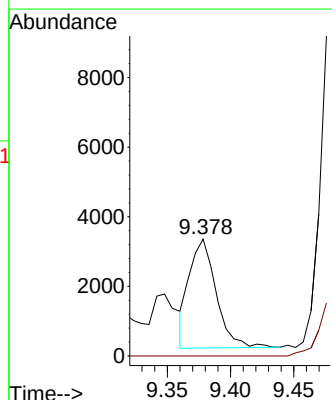
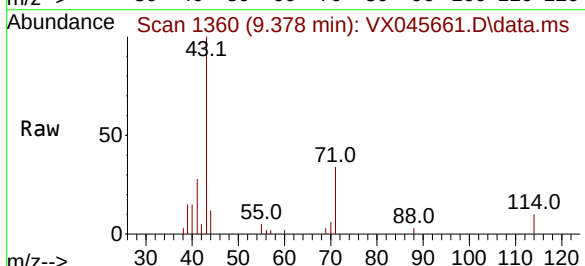
Acq: 08 Apr 2025 18:40

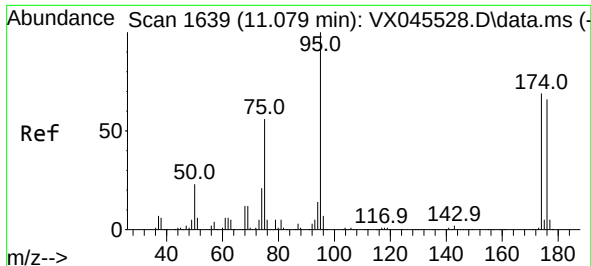
Tgt Ion: 43 Resp: 4617

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

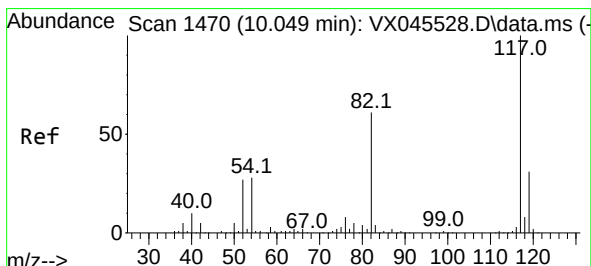
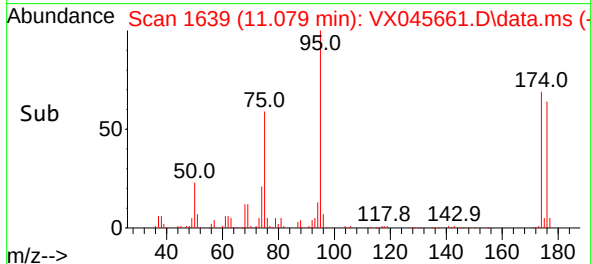
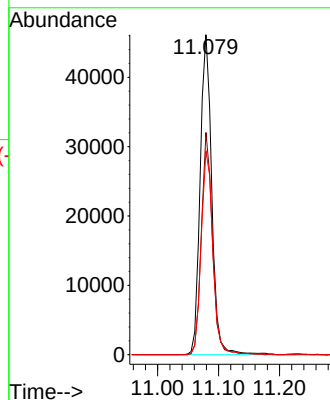
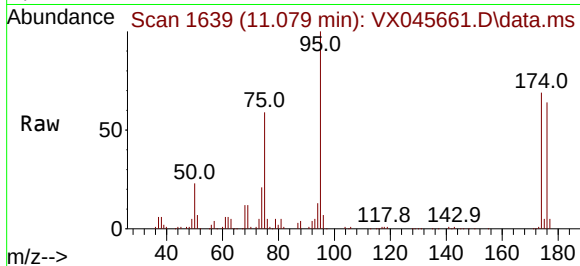




#62
4-Bromofluorobenzene
Concen: 53.054 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

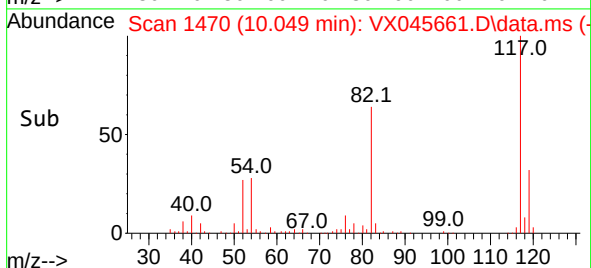
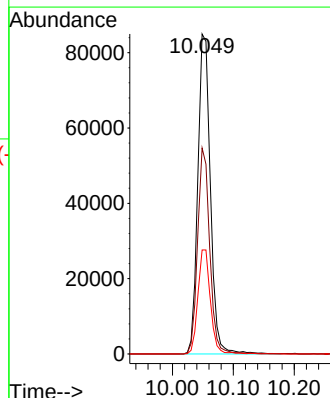
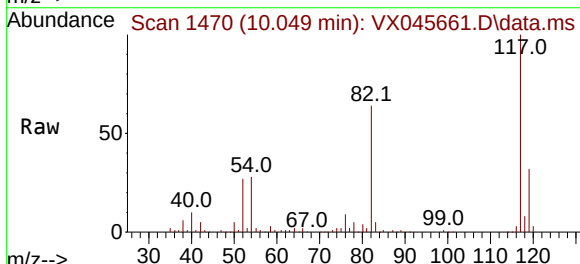
Instrument :
MSVOA_X
ClientSampleId :
B-158-SB02

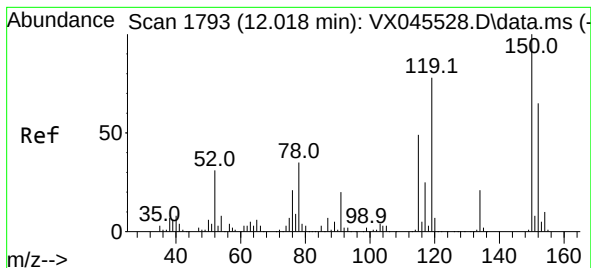
Tgt Ion: 95 Resp: 60955
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.8
176 64.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion: 117 Resp: 121646
Ion Ratio Lower Upper
117 100
82 64.3 49.2 73.8
119 32.5 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: VX045661.D

Acq: 08 Apr 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

B-158-SB02

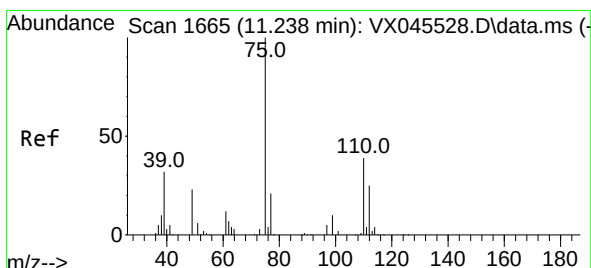
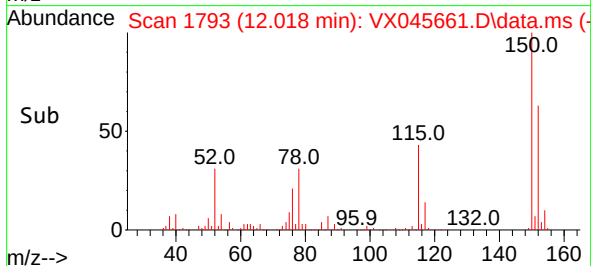
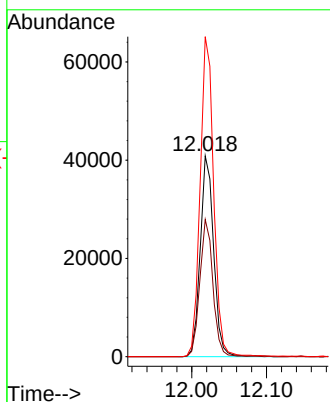
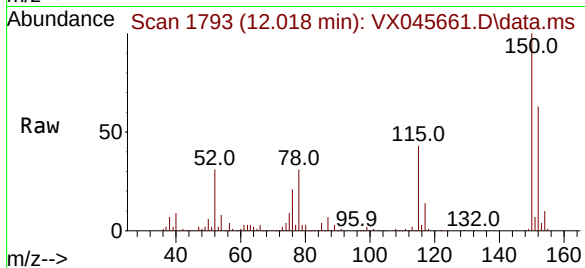
Tgt Ion:152 Resp: 51074

Ion Ratio Lower Upper

152 100

115 66.8 46.9 140.7

150 160.3 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 28.113 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045661.D

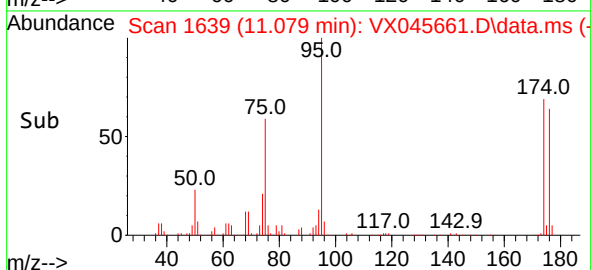
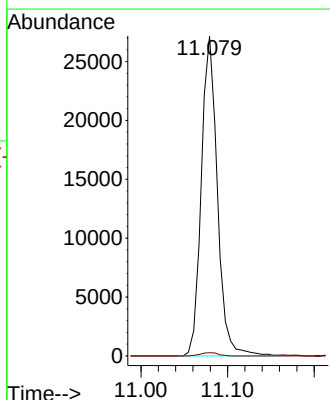
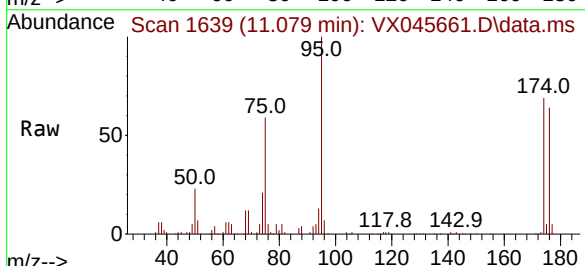
Acq: 08 Apr 2025 18:40

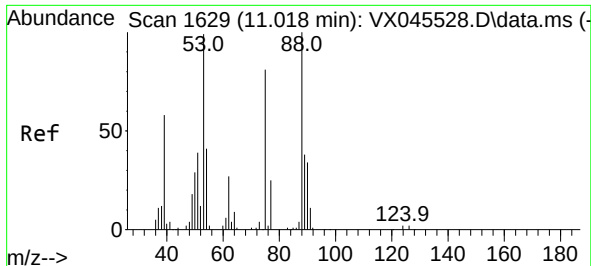
Tgt Ion: 75 Resp: 35024

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#

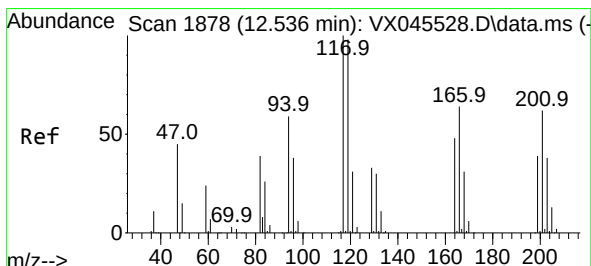
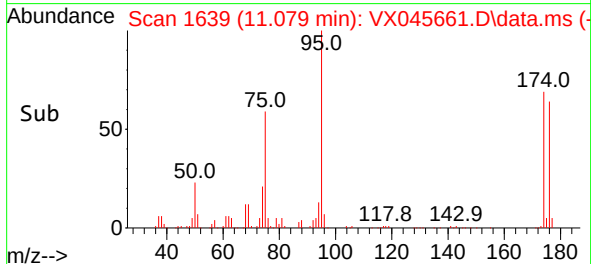
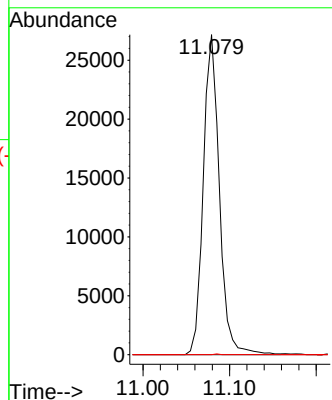
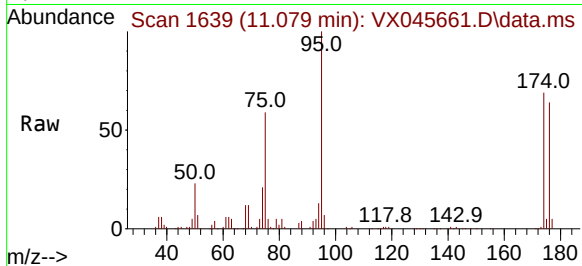




#81
trans-1,4-Dichloro-2-butene
Concen: 95.413 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
B-158-SB02

Tgt Ion: 75 Resp: 35024
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#



#90
Hexachloroethane
Concen: 0.522 ug/l
RT: 12.609 min Scan# 1890
Delta R.T. 0.073 min
Lab File: VX045661.D
Acq: 08 Apr 2025 18:40

Tgt Ion: 117 Resp: 304
Ion Ratio Lower Upper
117 100
201 0.0 31.2 93.6#

