

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046260.D
 Acq On : 19 May 2025 12:17
 Operator : JC/MD
 Sample : Q2053-11 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-11

Quant Time: May 19 23:08:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

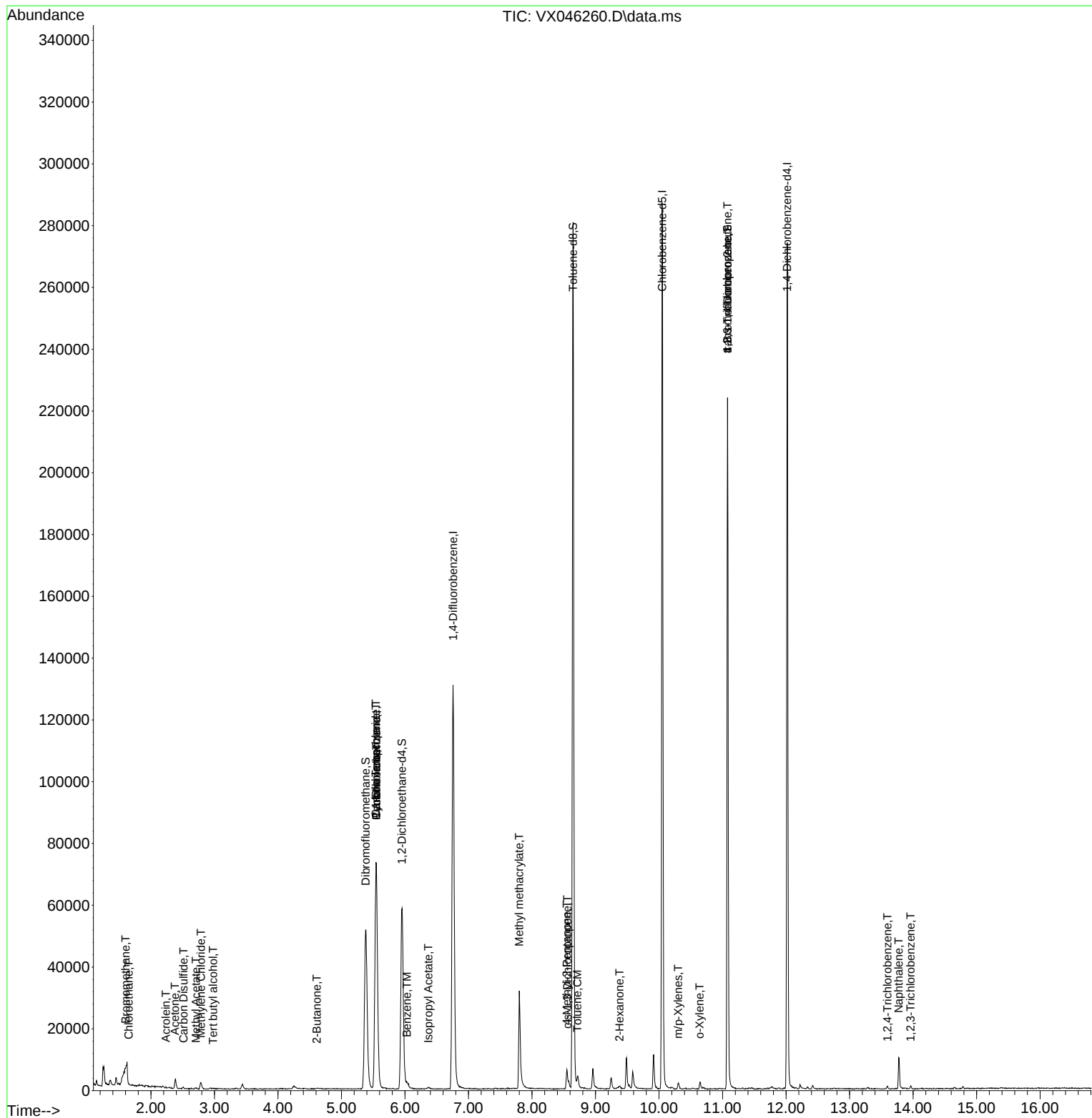
Internal Standards						
1) Pentafluorobenzene	5.550	168	61682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123178	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61518	53.496	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.000%			
35) Dibromofluoromethane	5.379	113	45895	51.741	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.480%			
50) Toluene-d8	8.647	98	157363	51.257	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.520%			
62) 4-Bromofluorobenzene	11.079	95	58564	49.730	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.460%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	229	0.579	ug/l #	56
6) Chloroethane	1.648	64	116	0.255	ug/l #	44
11) Tert butyl alcohol	2.977	59	297	1.840	ug/l #	72
13) Acrolein	2.233	56	86	0.468	ug/l #	51
16) Acetone	2.380	43	3234	7.014	ug/l #	84
17) Carbon Disulfide	2.514	76	620	0.358	ug/l #	76
18) Methyl Acetate	2.709	43	361	0.337	ug/l #	55
20) Methylene Chloride	2.788	84	1034	1.170	ug/l #	80
25) 2-Butanone	4.611	43	219	0.327	ug/l #	53
31) Cyclohexane	5.550	56	1982	1.446	ug/l #	25
36) 1,1-Dichloropropene	5.544	75	6441	5.404	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7511	5.609	ug/l #	19
40) Benzene	6.031	78	1947	0.558	ug/l	91
43) Isopropyl Acetate	6.367	43	784	0.349	ug/l #	63
48) Methyl methacrylate	7.799	41	3556	3.100	ug/l #	52
51) 4-Methyl-2-Pentanone	8.549	43	3962	2.657	ug/l #	43
52) Toluene	8.714	92	1363	0.637	ug/l	91
54) cis-1,3-Dichloropropene	8.555	75	840	0.634	ug/l #	51
59) 2-Hexanone	9.378	43	707	0.641	ug/l #	28
68) m/p-Xylenes	10.299	106	487	0.295	ug/l #	61
69) o-Xylene	10.640	106	409	0.254	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	34379	28.697	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34379	93.429	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	278	0.294	ug/l	97
95) Naphthalene	13.774	128	7259	2.092	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	322	0.330	ug/l	97

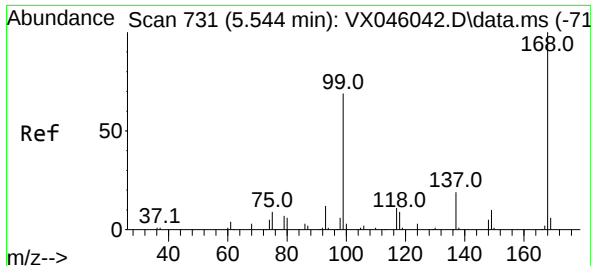
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
Data File : VX046260.D
Acq On : 19 May 2025 12:17
Operator : JC/MD
Sample : Q2053-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SB-11

Quant Time: May 19 23:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

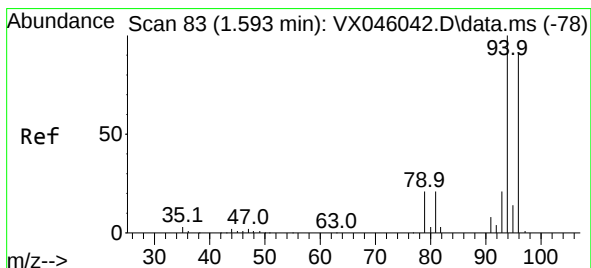
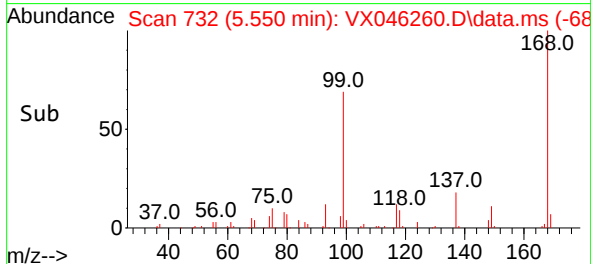
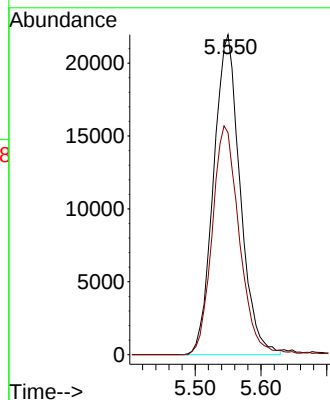
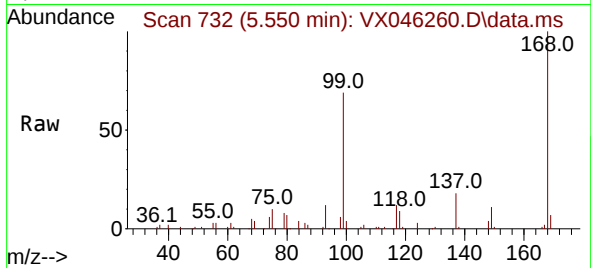




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

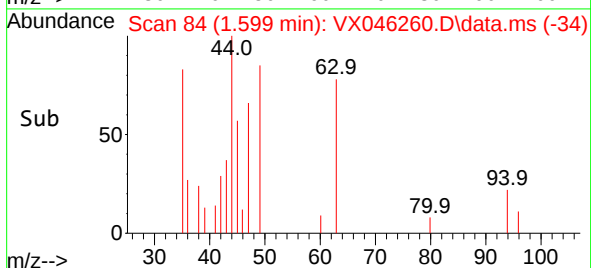
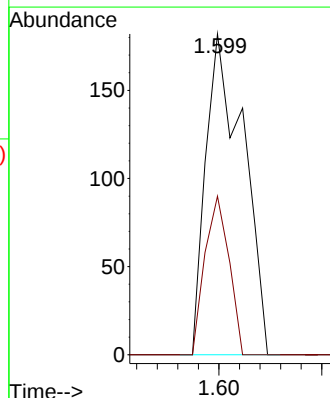
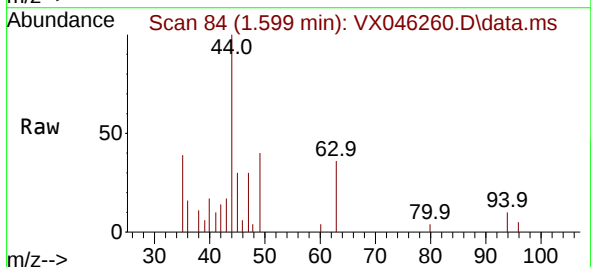
Instrument :
MSVOA_X
ClientSampleId :
SB-11

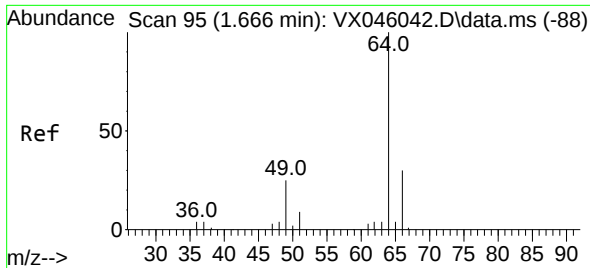
Tgt Ion:168 Resp: 61682
Ion Ratio Lower Upper
168 100
99 69.4 54.9 82.3



#5
Bromomethane
Concen: 0.579 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 49.5 72.8 109.2#

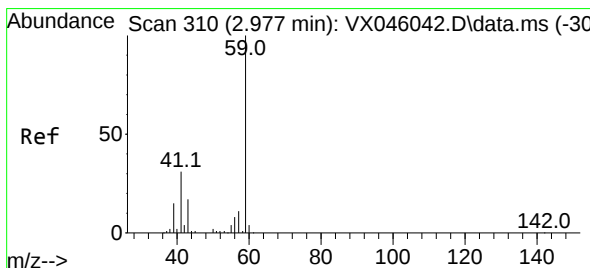
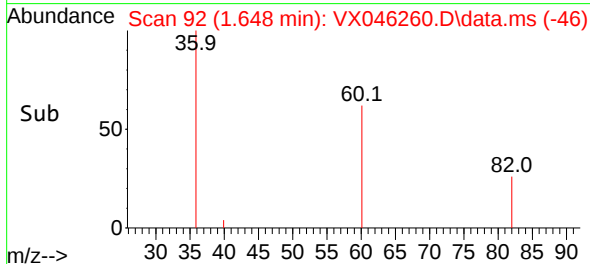
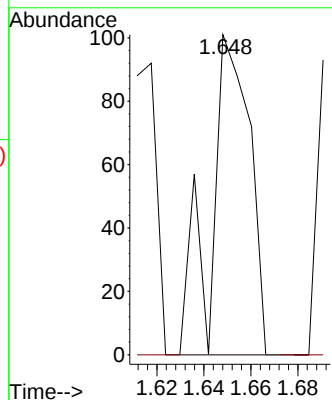
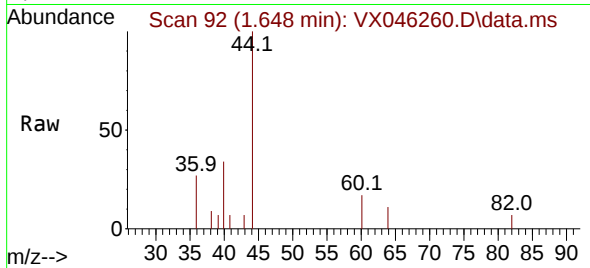




#6
Chloroethane
Concen: 0.255 ug/l
RT: 1.648 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

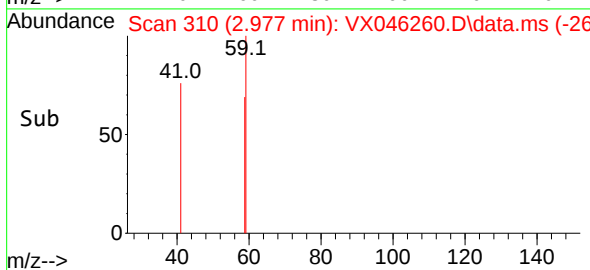
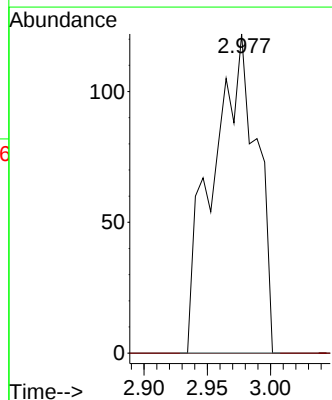
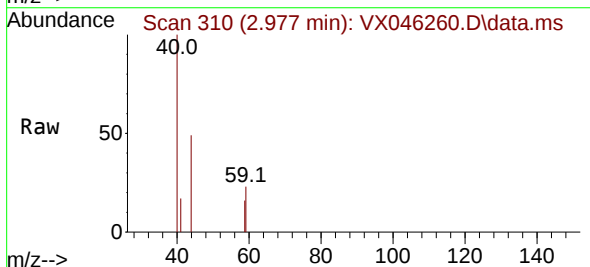
Instrument :
MSVOA_X
ClientSampleId :
SB-11

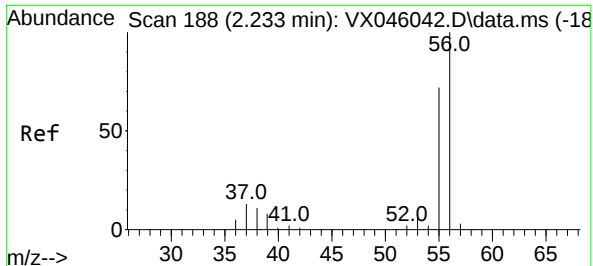
Tgt Ion: 64 Resp: 116
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#11
Tert butyl alcohol
Concen: 1.840 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

Tgt Ion: 59 Resp: 297
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

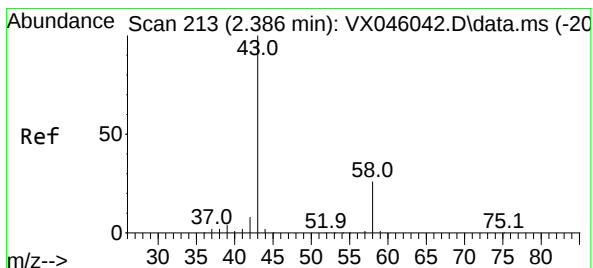
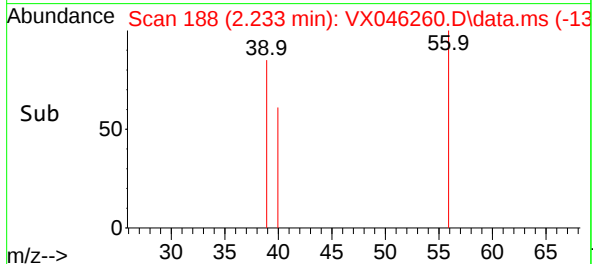
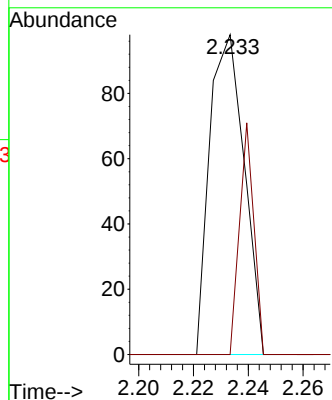
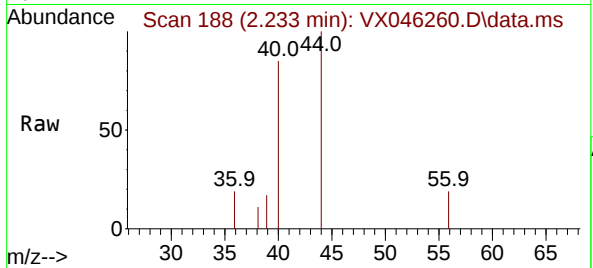




#13
Acrolein
Concen: 0.468 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

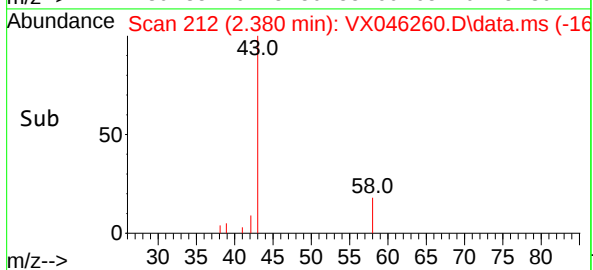
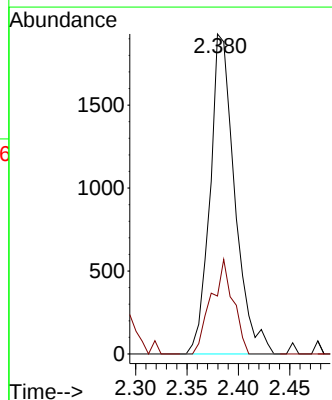
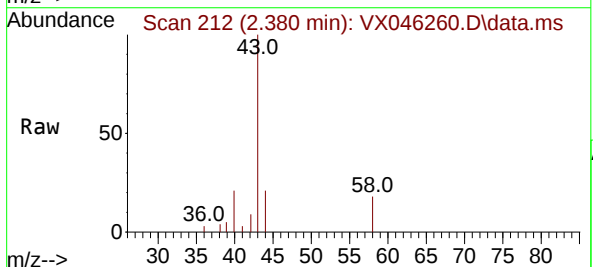
Instrument :
MSVOA_X
ClientSampleId :
SB-11

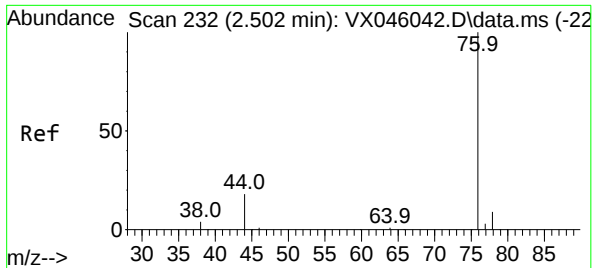
Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 30.2 56.2 84.4#



#16
Acetone
Concen: 7.014 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

Tgt Ion: 43 Resp: 3234
Ion Ratio Lower Upper
43 100
58 18.1 21.2 31.8#

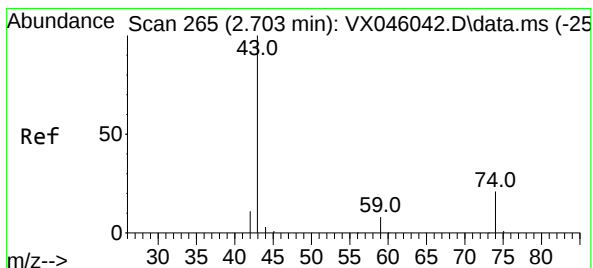
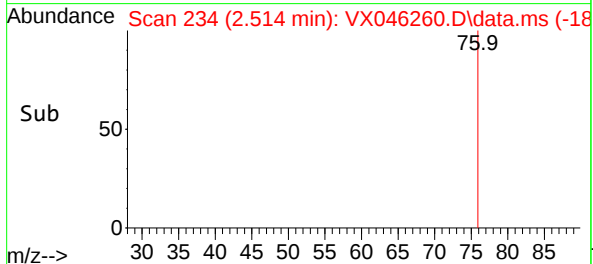
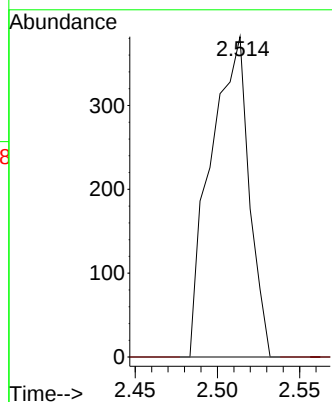
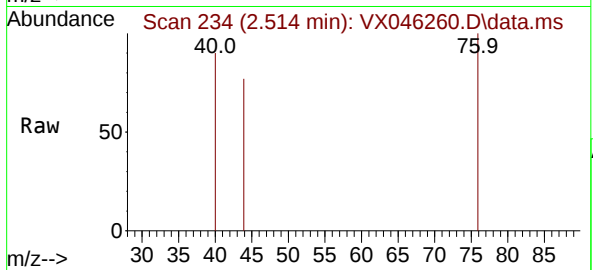




#17
Carbon Disulfide
Concen: 0.358 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

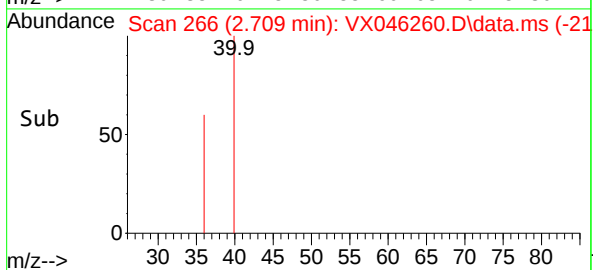
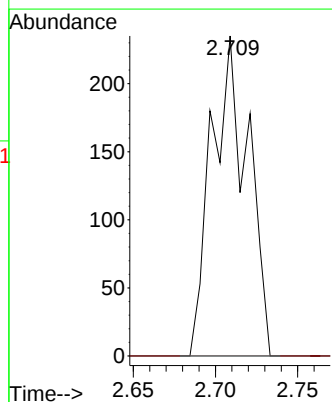
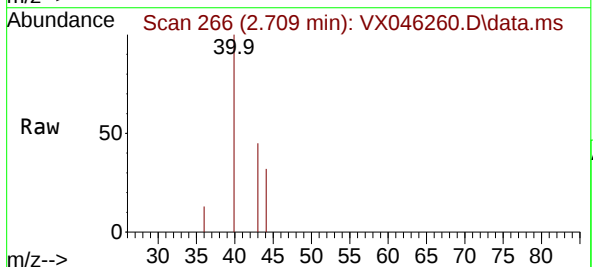
Instrument :
MSVOA_X
ClientSampleId :
SB-11

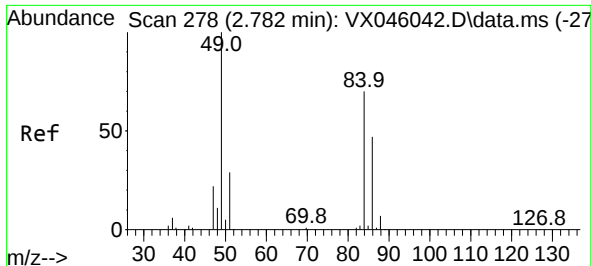
Tgt Ion: 76 Resp: 620
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 0.337 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

Tgt Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

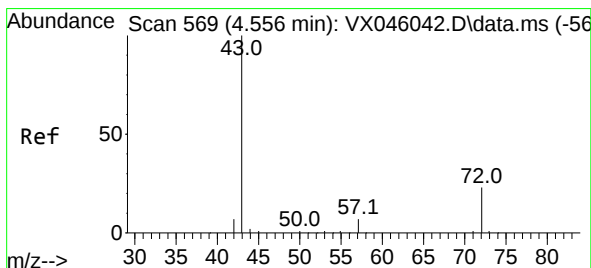
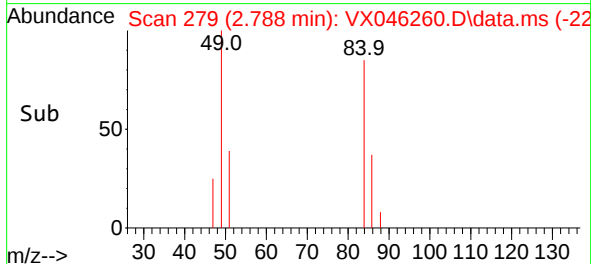
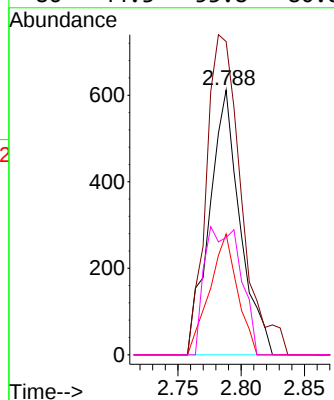
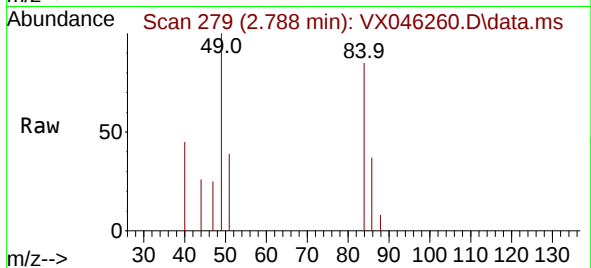




#20
Methylene Chloride
Concen: 1.170 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

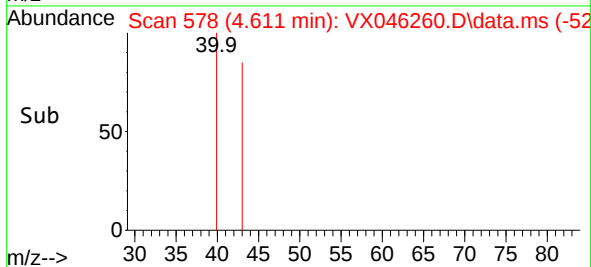
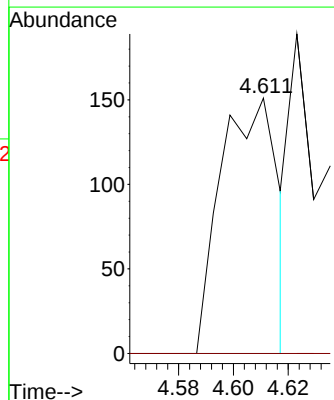
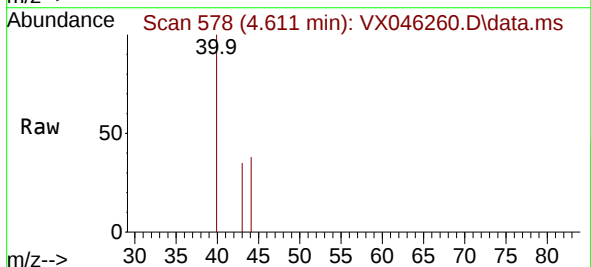
Instrument :
MSVOA_X
ClientSampleId :
SB-11

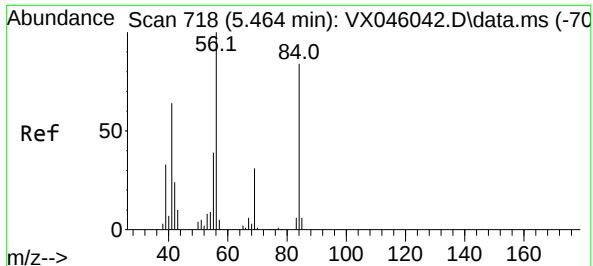
Tgt Ion:	84	Resp:	1034
Ion	Ratio	Lower	Upper
84	100		
49	118.3	113.9	170.9
51	45.6	33.5	50.3
86	44.3	53.8	80.8



#25
2-Butanone
Concen: 0.327 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.055 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

Tgt Ion:	43	Resp:	219
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.4	27.6

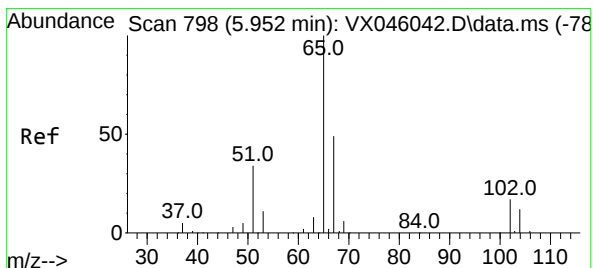
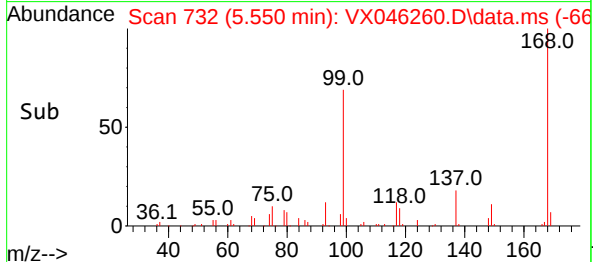
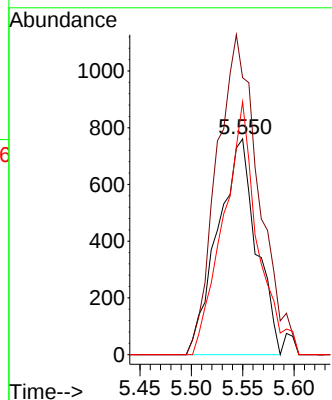
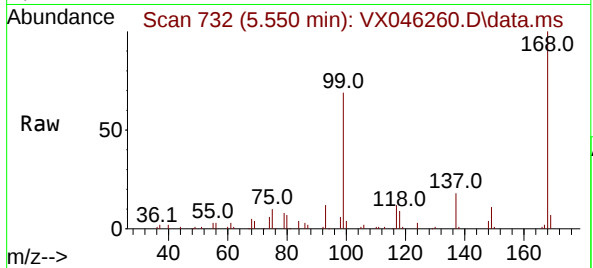




#31
Cyclohexane
Concen: 1.446 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

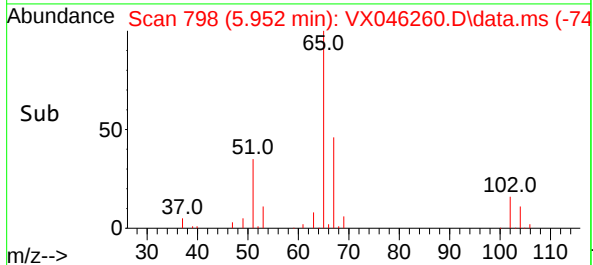
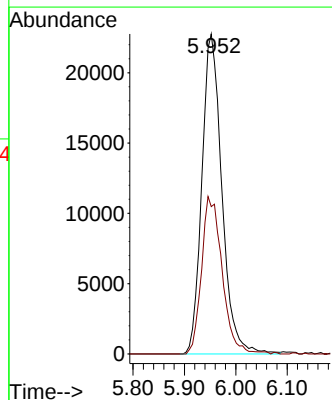
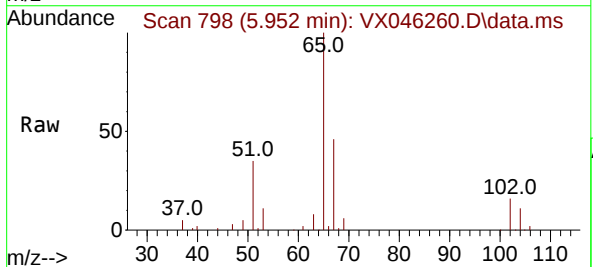
Instrument :
MSVOA_X
ClientSampleId :
SB-11

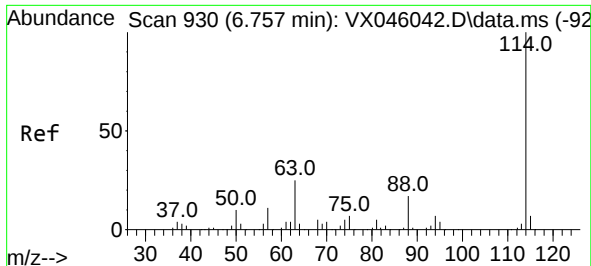
Tgt Ion: 56 Resp: 1982
Ion Ratio Lower Upper
56 100
69 128.3 24.4 36.6#
84 117.1 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 53.496 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

Tgt Ion: 65 Resp: 61518
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.0

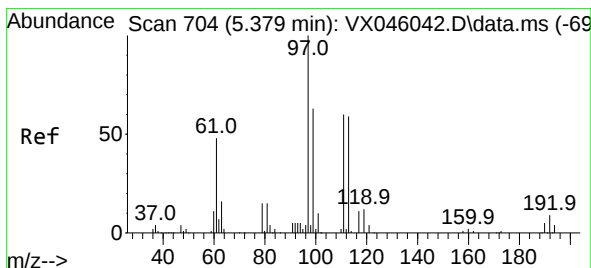
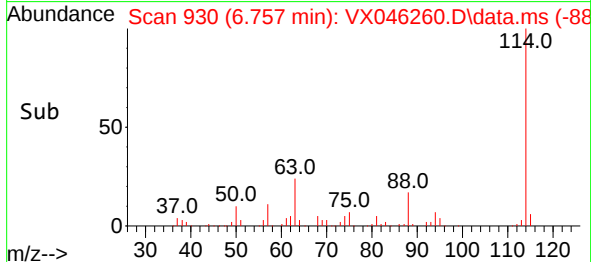
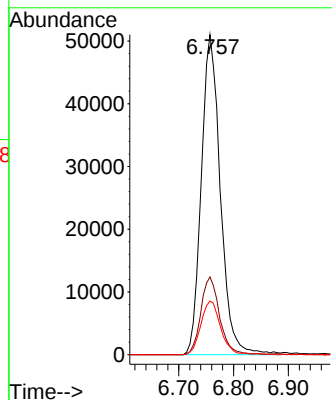
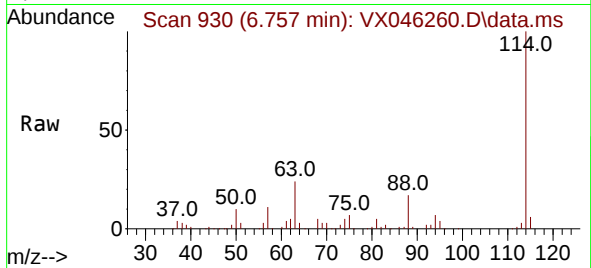




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

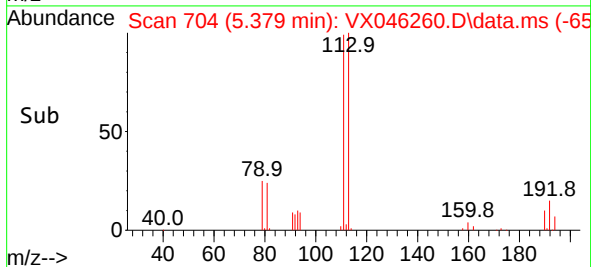
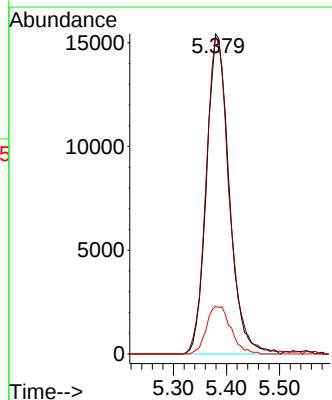
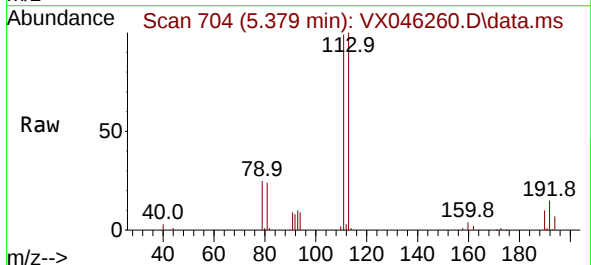
Instrument :
MSVOA_X
ClientSampleId :
SB-11

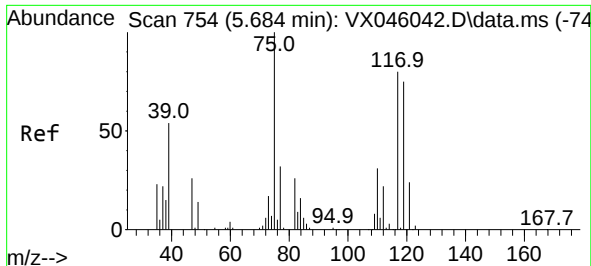
Tgt Ion:114 Resp: 123178
Ion Ratio Lower Upper
114 100
63 24.3 0.0 49.2
88 16.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.741 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

Tgt Ion:113 Resp: 45895
Ion Ratio Lower Upper
113 100
111 100.6 83.1 124.7
192 16.0 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.404 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX046260.D

Acq: 19 May 2025 12:17

Instrument :

MSVOA_X

ClientSampleId :

SB-11

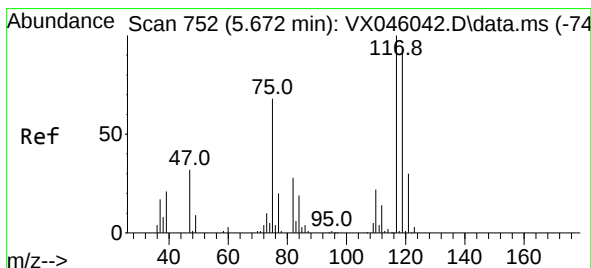
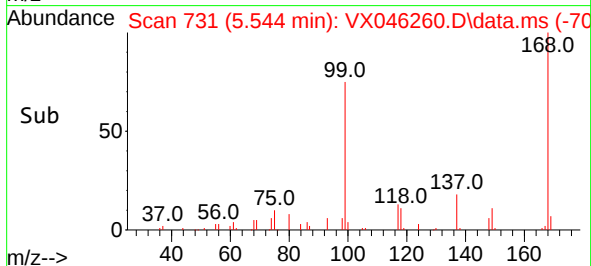
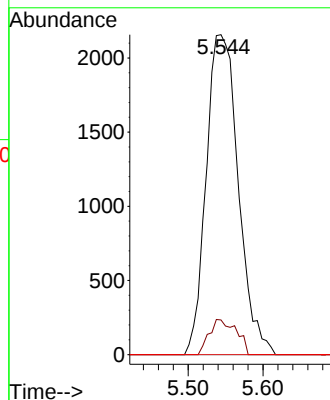
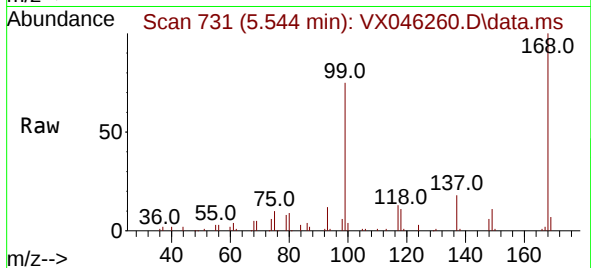
Tgt Ion: 75 Resp: 6441

Ion Ratio Lower Upper

75 100

110 9.3 16.3 48.9#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.609 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046260.D

Acq: 19 May 2025 12:17

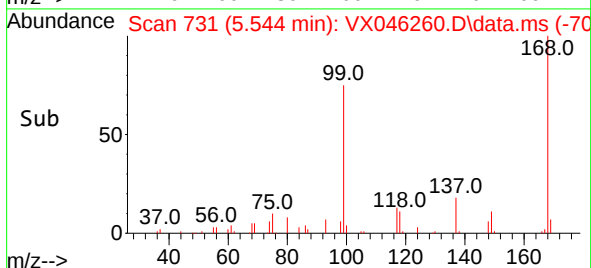
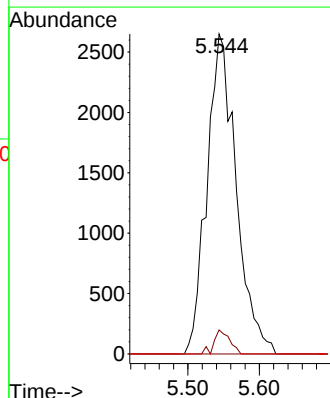
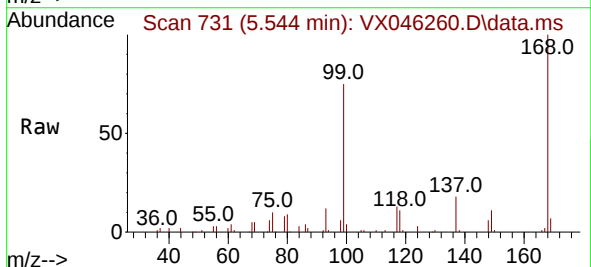
Tgt Ion: 117 Resp: 7511

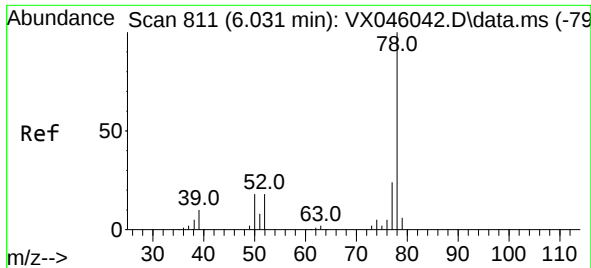
Ion Ratio Lower Upper

117 100

119 7.5 75.2 112.8#

121 0.0 24.2 36.4#





#40

Benzene

Concen: 0.558 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX046260.D

Acq: 19 May 2025 12:17

Instrument :

MSVOA_X

ClientSampleId :

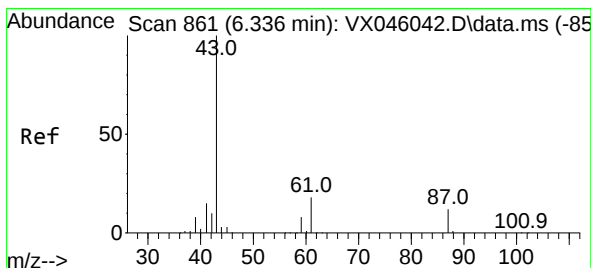
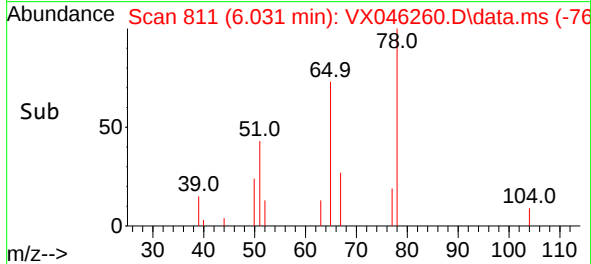
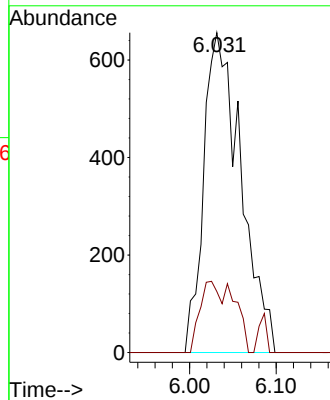
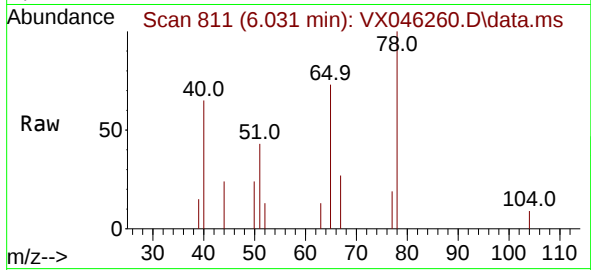
SB-11

Tgt Ion: 78 Resp: 1947

Ion Ratio Lower Upper

78 100

77 19.1 19.0 28.4



#43

Isopropyl Acetate

Concen: 0.349 ug/l

RT: 6.367 min Scan# 866

Delta R.T. 0.030 min

Lab File: VX046260.D

Acq: 19 May 2025 12:17

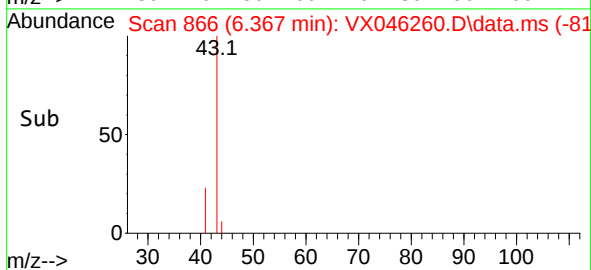
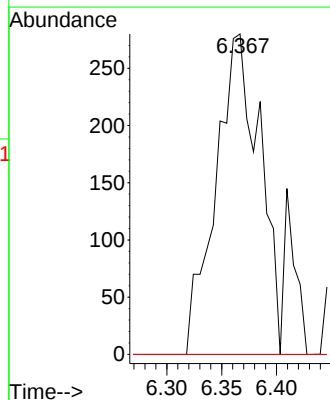
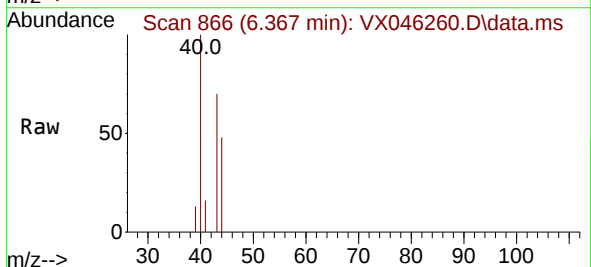
Tgt Ion: 43 Resp: 784

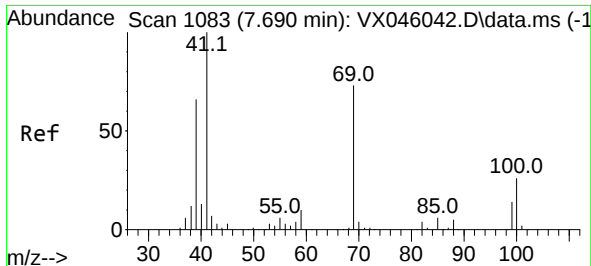
Ion Ratio Lower Upper

43 100

61 0.0 14.3 21.5#

87 0.0 9.5 14.3#





#48

Methyl methacrylate

Concen: 3.100 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX046260.D

Acq: 19 May 2025 12:17

Instrument :

MSVOA_X

ClientSampleId :

SB-11

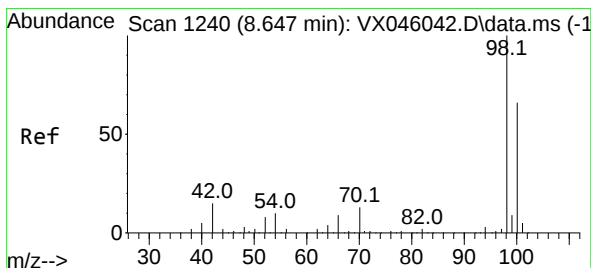
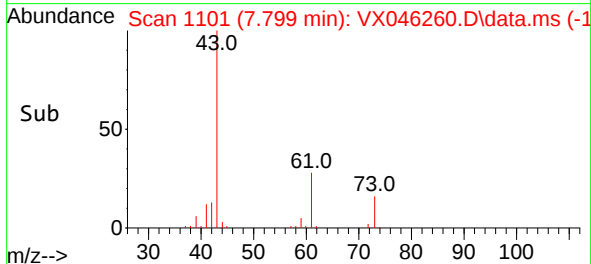
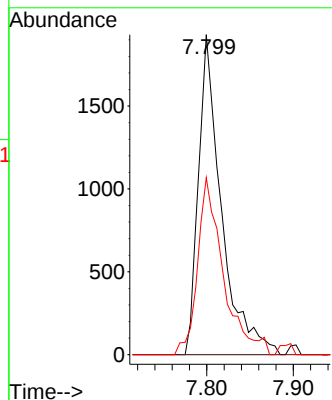
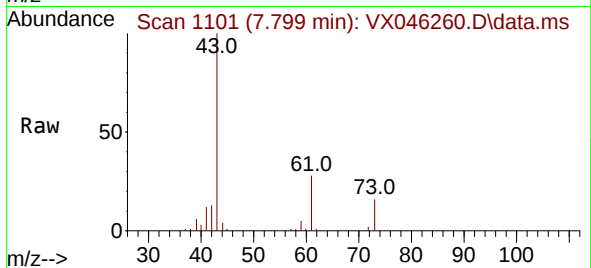
Tgt Ion: 41 Resp: 3556

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 61.9 51.7 77.5



#50

Toluene-d8

Concen: 51.257 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046260.D

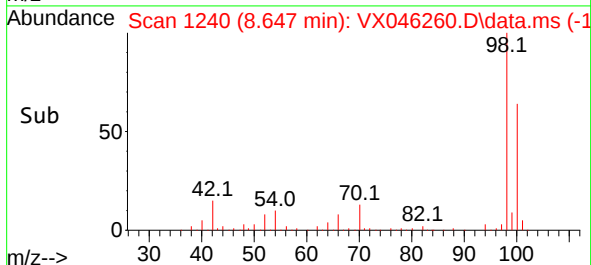
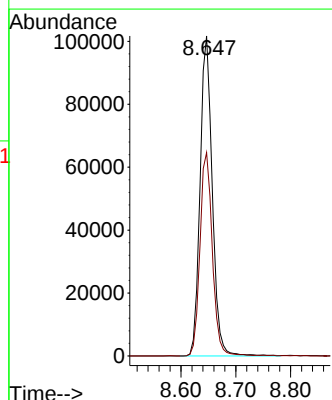
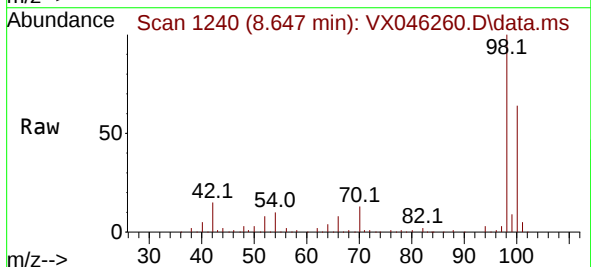
Acq: 19 May 2025 12:17

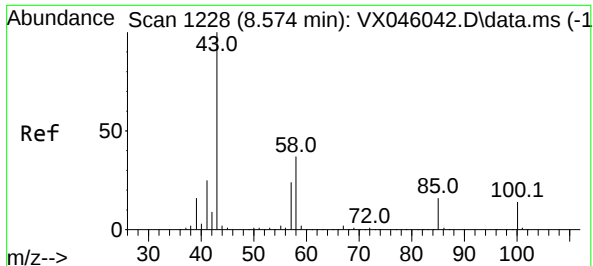
Tgt Ion: 98 Resp: 157363

Ion Ratio Lower Upper

98 100

100 64.6 53.5 80.3

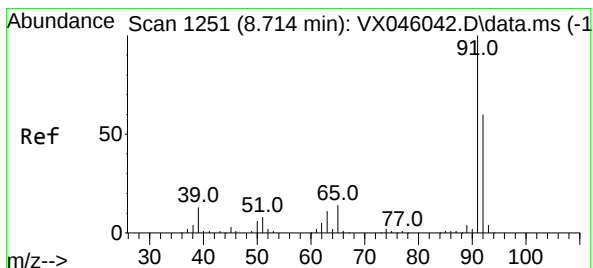
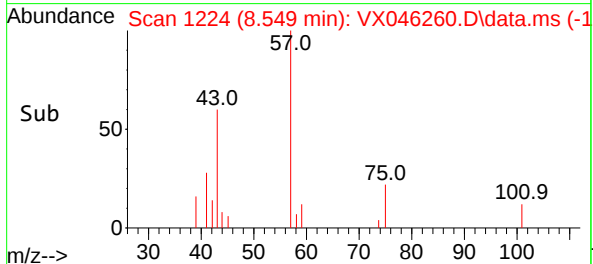
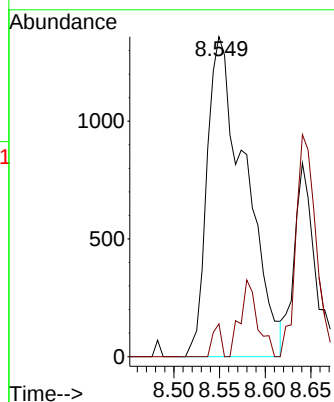
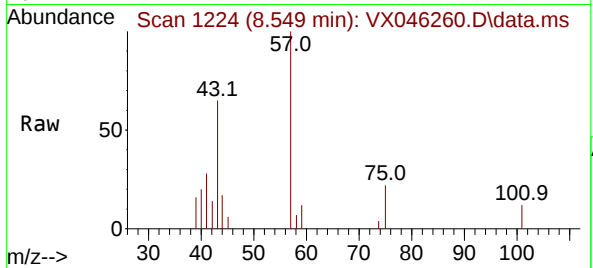




#51
4-Methyl-2-Pentanone
Concen: 2.657 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

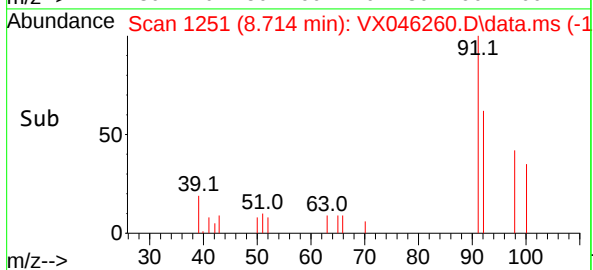
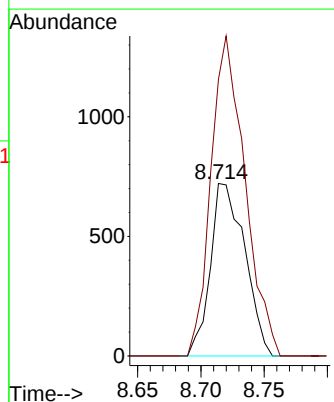
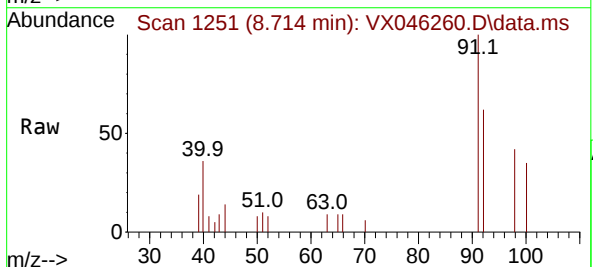
Instrument :
MSVOA_X
ClientSampleId :
SB-11

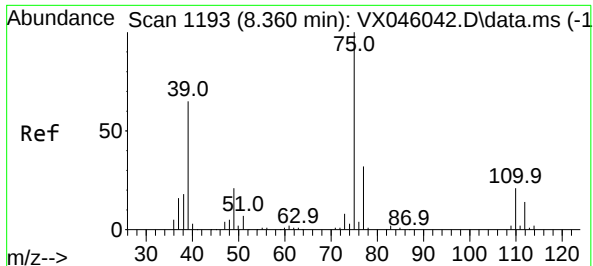
Tgt Ion: 43 Resp: 3962
Ion Ratio Lower Upper
43 100
58 2.2 28.9 43.3#



#52
Toluene
Concen: 0.637 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

Tgt Ion: 92 Resp: 1363
Ion Ratio Lower Upper
92 100
91 183.6 136.6 205.0

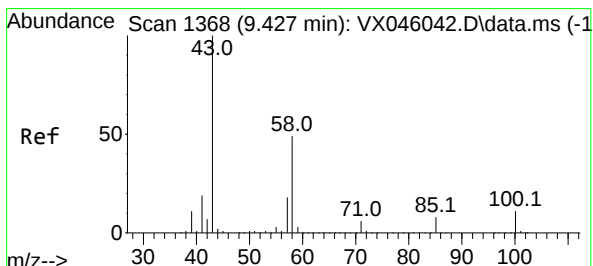
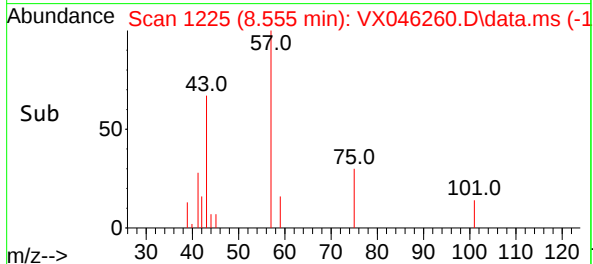
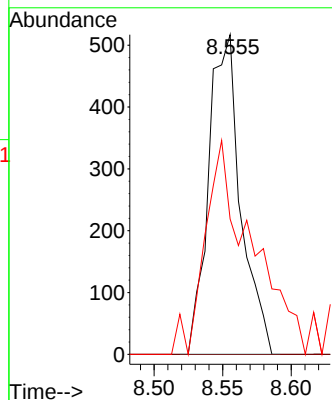
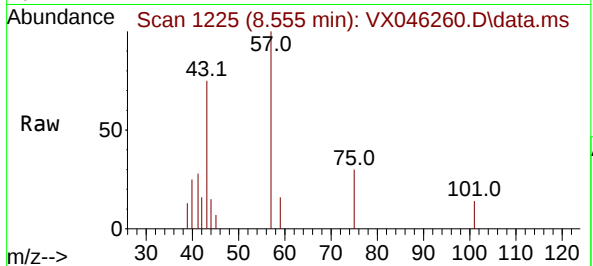




#54
 cis-1,3-Dichloropropene
 Concen: 0.634 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.195 min
 Lab File: VX046260.D
 Acq: 19 May 2025 12:17

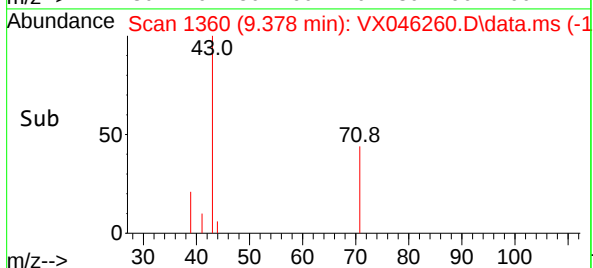
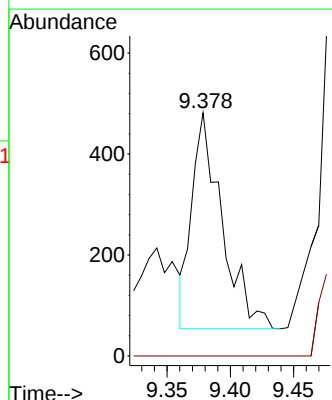
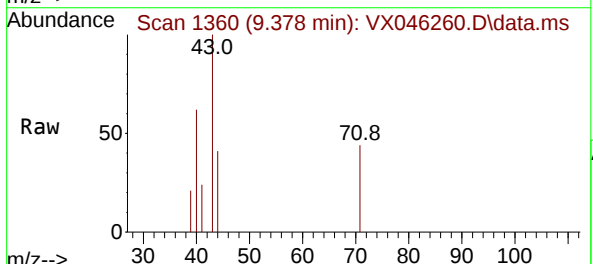
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-11

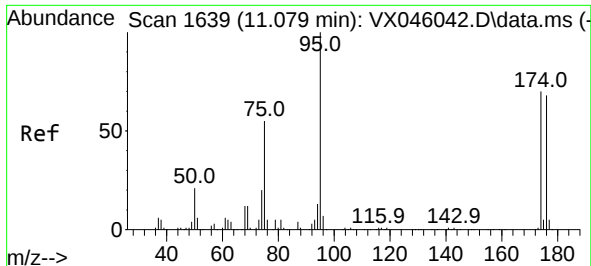
Tgt Ion: 75 Resp: 840
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 29.8 52.2 78.4#



#59
 2-Hexanone
 Concen: 0.641 ug/l
 RT: 9.378 min Scan# 1360
 Delta R.T. -0.049 min
 Lab File: VX046260.D
 Acq: 19 May 2025 12:17

Tgt Ion: 43 Resp: 707
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 49.730 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046260.D

Acq: 19 May 2025 12:17

Instrument :

MSVOA_X

ClientSampleId :

SB-11

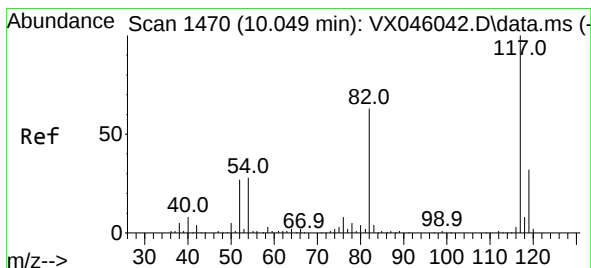
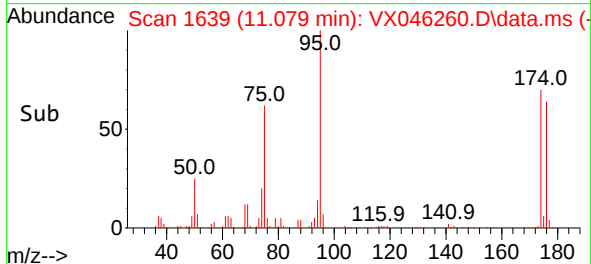
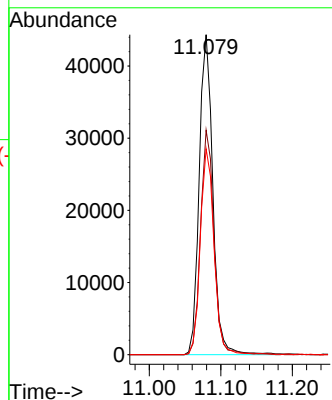
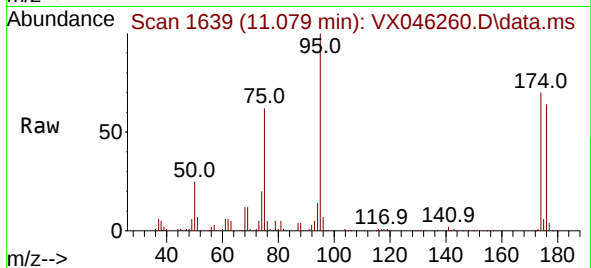
Tgt Ion: 95 Resp: 58564

Ion Ratio Lower Upper

95 100

174 69.6 0.0 135.8

176 64.7 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: VX046260.D

Acq: 19 May 2025 12:17

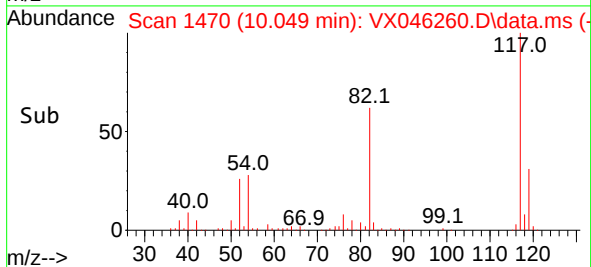
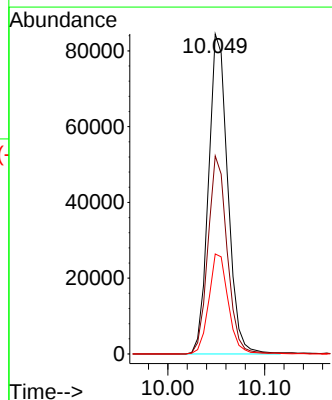
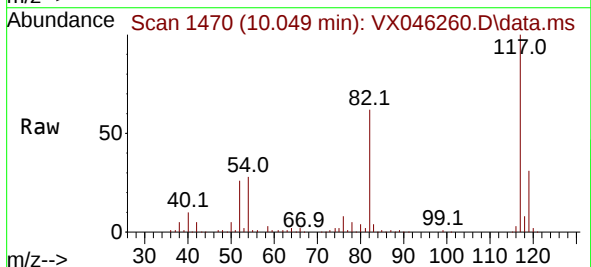
Tgt Ion: 117 Resp: 116833

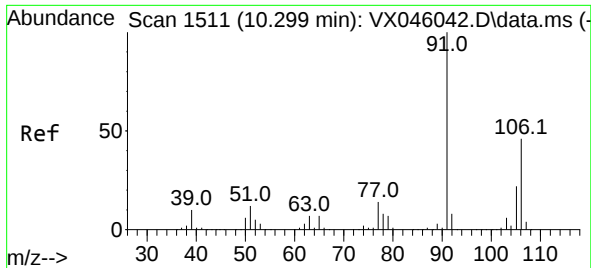
Ion Ratio Lower Upper

117 100

82 61.9 50.6 76.0

119 31.3 25.8 38.6

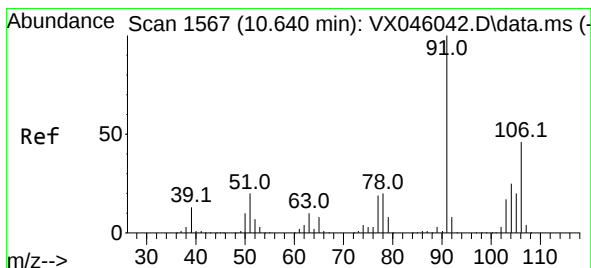
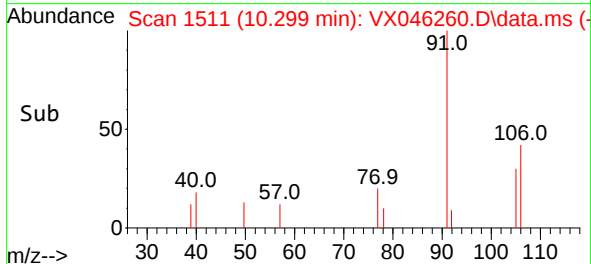
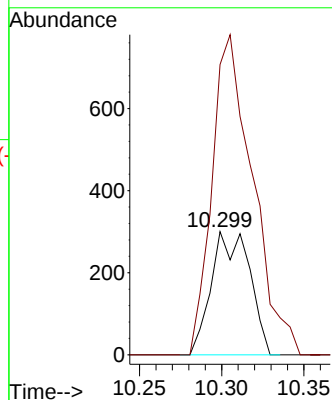
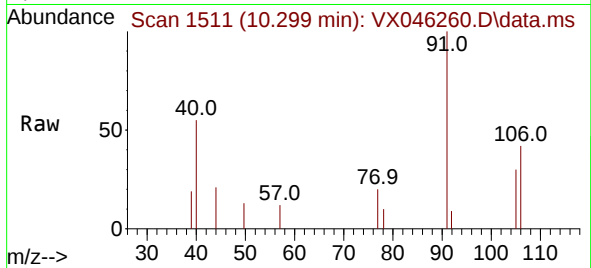




#68
m/p-Xylenes
Concen: 0.295 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

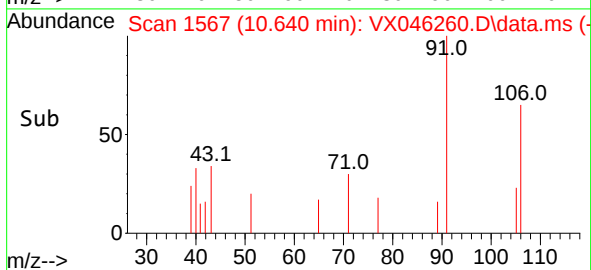
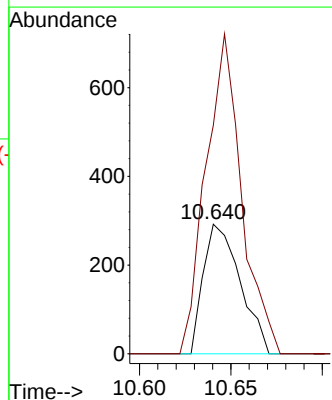
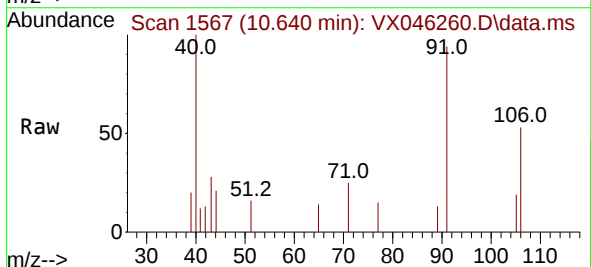
Instrument :
MSVOA_X
ClientSampleId :
SB-11

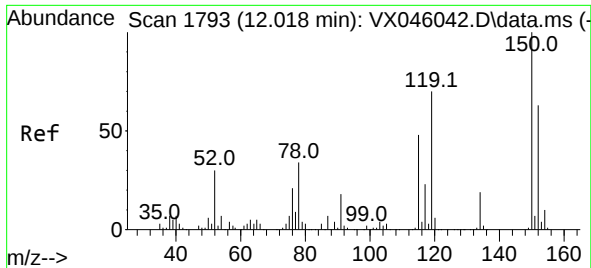
Tgt Ion:106 Resp: 487
Ion Ratio Lower Upper
106 100
91 275.2 171.2 256.8#



#69
o-Xylene
Concen: 0.254 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

Tgt Ion:106 Resp: 409
Ion Ratio Lower Upper
106 100
91 239.4 112.7 338.1

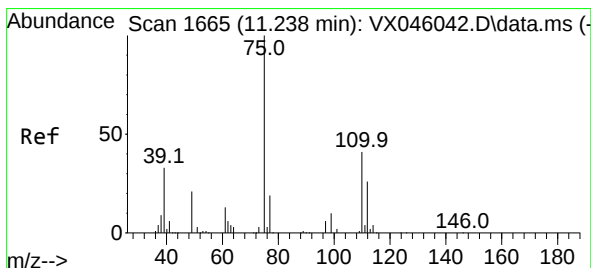
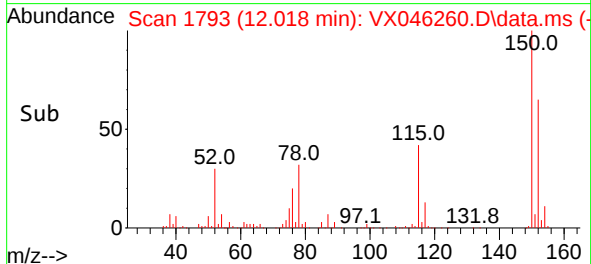
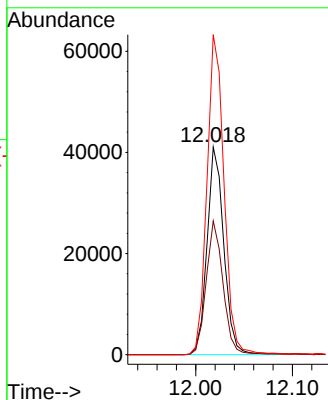
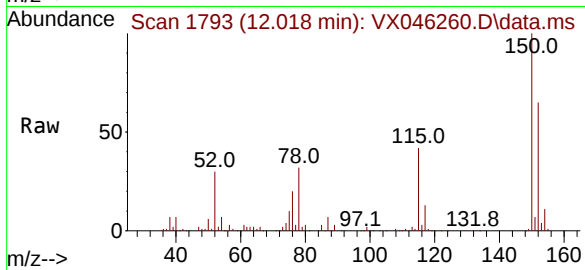




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046260.D
 Acq: 19 May 2025 12:17

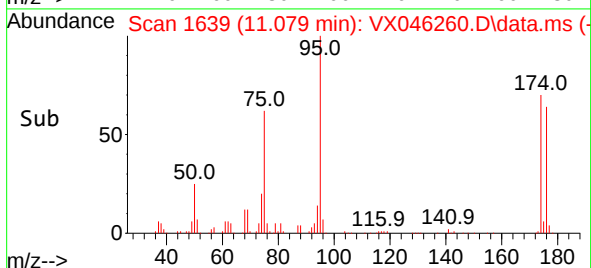
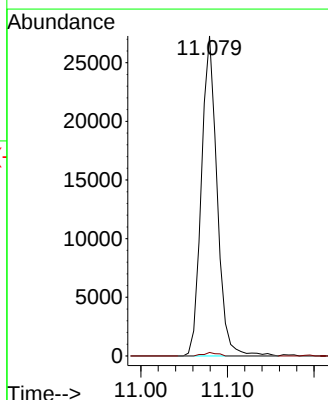
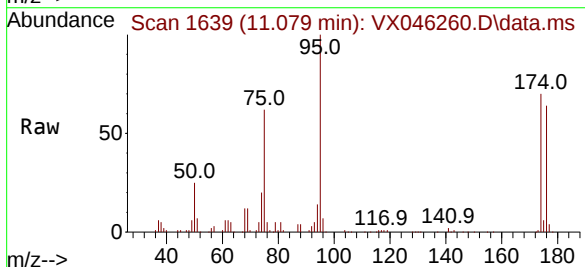
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-11

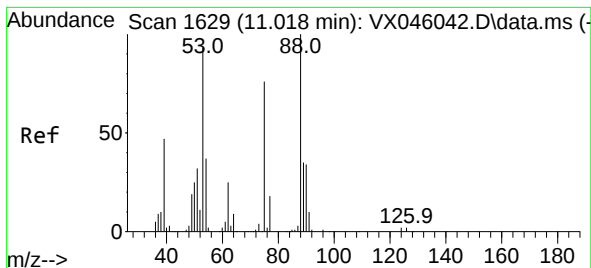
Tgt Ion:152 Resp: 49770
 Ion Ratio Lower Upper
 152 100
 115 65.0 46.9 140.7
 150 156.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.697 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046260.D
 Acq: 19 May 2025 12:17

Tgt Ion: 75 Resp: 34379
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#

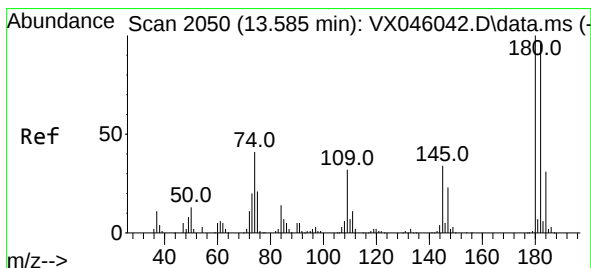
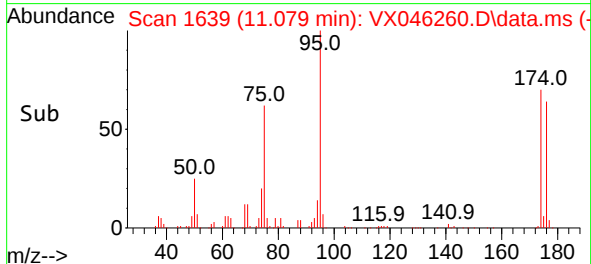
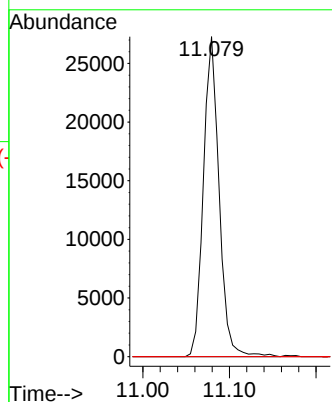
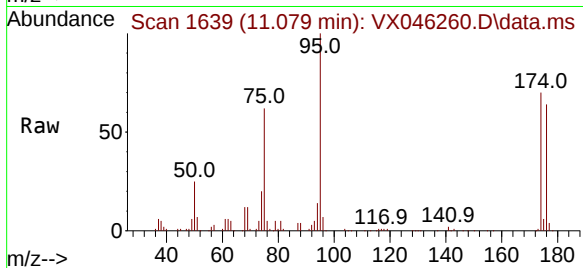




#81
trans-1,4-Dichloro-2-butene
Concen: 93.429 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

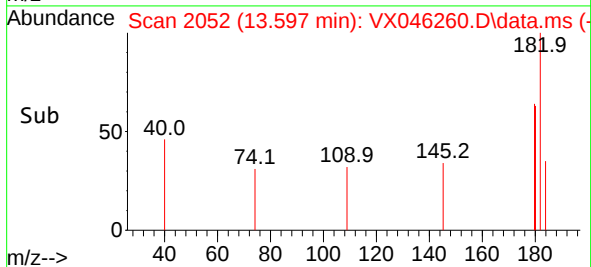
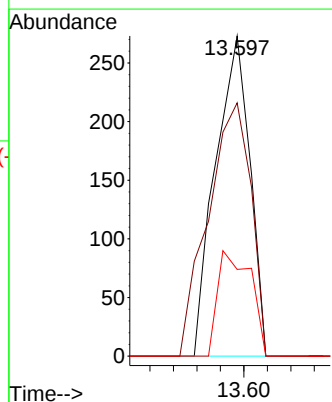
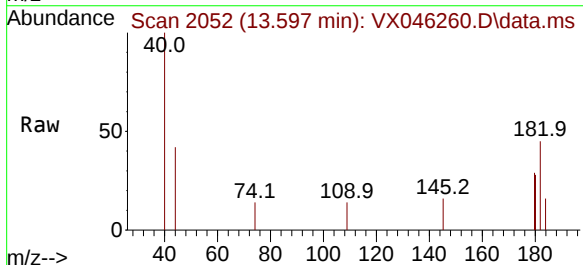
Instrument :
MSVOA_X
ClientSampleId :
SB-11

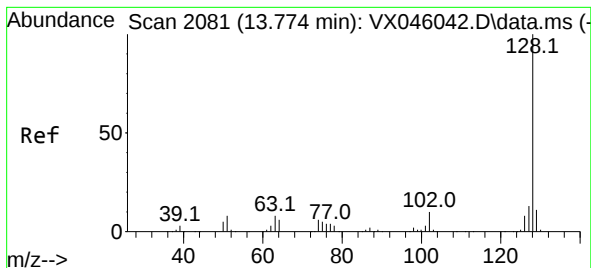
Tgt Ion: 75 Resp: 34379
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.294 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX046260.D
Acq: 19 May 2025 12:17

Tgt Ion:180 Resp: 278
Ion Ratio Lower Upper
180 100
182 98.2 47.9 143.8
145 31.3 17.1 51.2





#95

Naphthalene

Concen: 2.092 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX046260.D

Acq: 19 May 2025 12:17

Instrument :

MSVOA_X

ClientSampleId :

SB-11

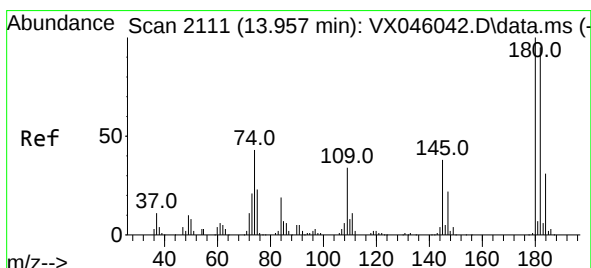
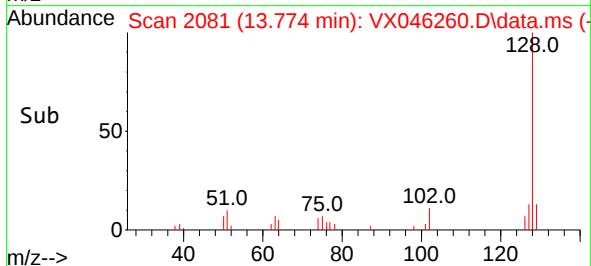
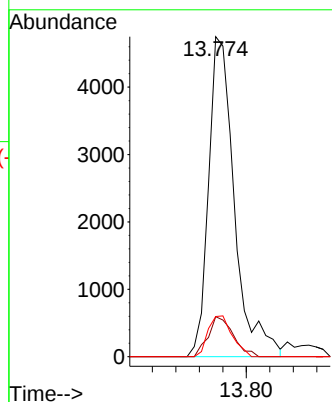
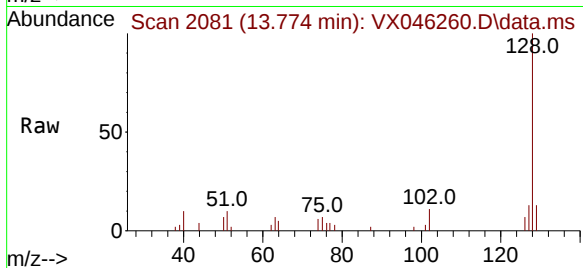
Tgt Ion:128 Resp: 7259

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

129 11.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.330 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX046260.D

Acq: 19 May 2025 12:17

Tgt Ion:180 Resp: 322

Ion Ratio Lower Upper

180 100

182 99.4 47.8 143.3

145 35.4 18.1 54.3

