

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
 Data File : VX045823.D
 Acq On : 17 Apr 2025 13:12
 Operator : JC/MD
 Sample : Q1818-07 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 03:37:59 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	59360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	116171	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45186	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59010	54.360	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.720%	
35) Dibromofluoromethane	5.385	113	41496	50.345	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.680%	
50) Toluene-d8	8.647	98	147797	51.374	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.740%	
62) 4-Bromofluorobenzene	11.079	95	54593	52.097	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.200%	

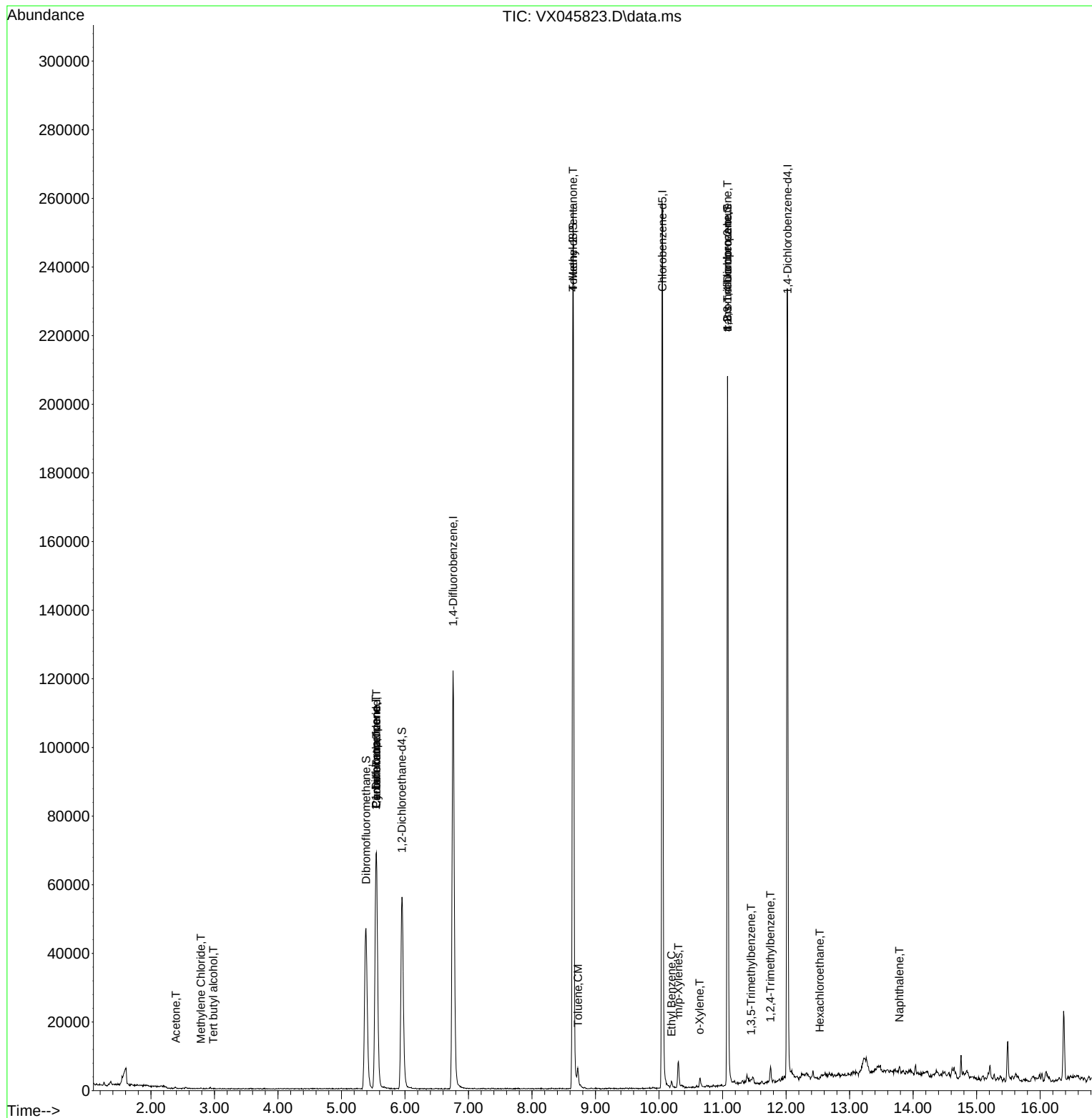
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.983	59	112	0.768	ug/l #	72
16) Acetone	2.392	43	399	0.895	ug/l	99
20) Methylene Chloride	2.788	84	183	0.219	ug/l #	65
31) Cyclohexane	5.550	56	1753	1.316	ug/l #	25
36) 1,1-Dichloropropene	5.544	75	5980	5.373	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7132	5.930	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	984	0.698	ug/l #	1
52) Toluene	8.726	92	1859	0.904	ug/l	95
67) Ethyl Benzene	10.195	91	1494	0.364	ug/l	93
68) m/p-Xylenes	10.305	106	2188	1.465	ug/l	98
69) o-Xylene	10.640	106	638	0.434	ug/l	68
76) 1,2,3-Trichloropropane	11.079	75	31110	28.226	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	931	0.311	ug/l	77
81) trans-1,4-Dichloro-2-b...	11.079	75	31110	95.794	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	2645	0.880	ug/l	88
90) Hexachloroethane	12.530	117	132	0.256	ug/l #	19
95) Naphthalene	13.786	128	2453	0.782	ug/l #	91

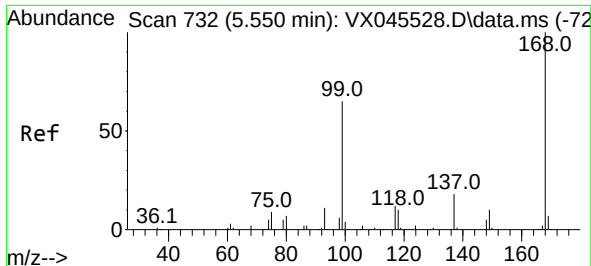
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
Data File : VX045823.D
Acq On : 17 Apr 2025 13:12
Operator : JC/MD
Sample : Q1818-07 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

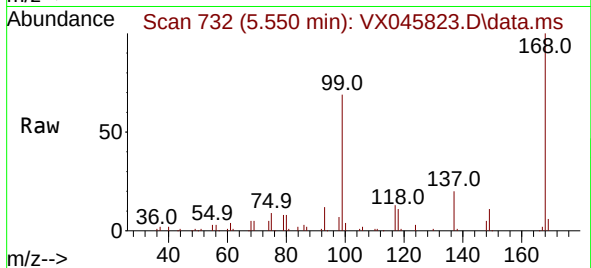
Quant Time: Apr 18 03:37:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



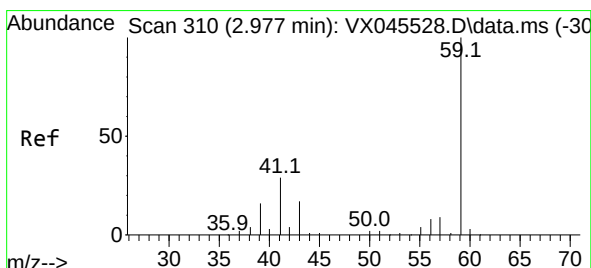
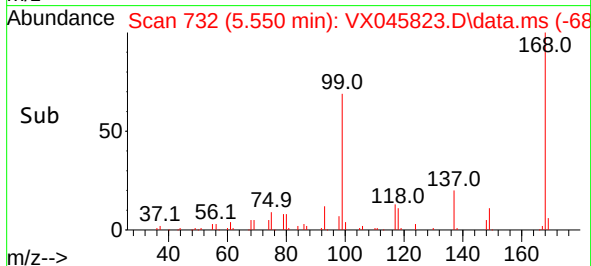
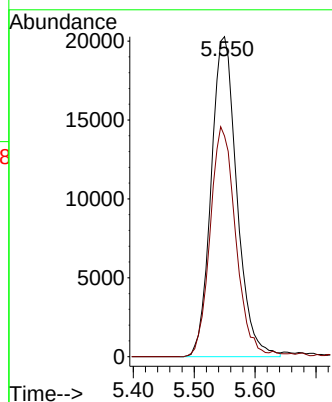


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :

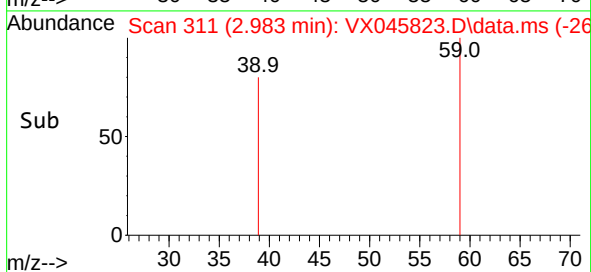
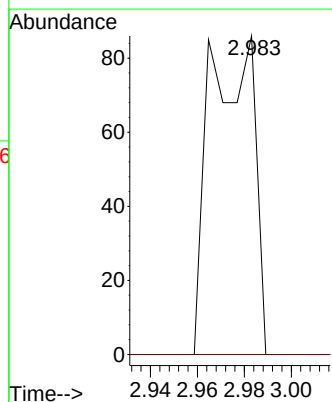
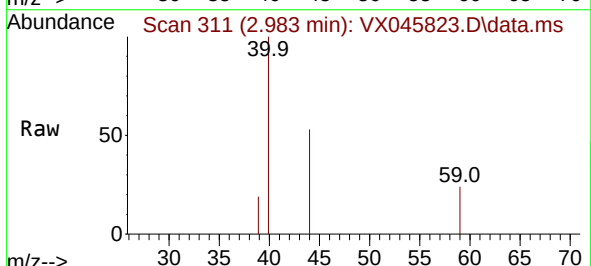


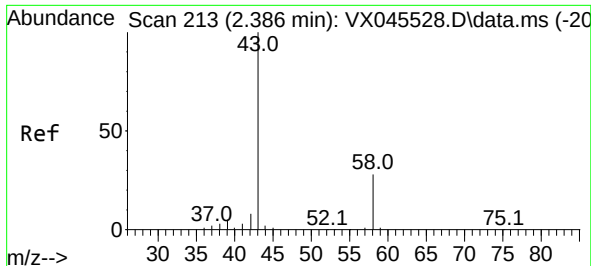
Tgt Ion:168 Resp: 59360
Ion Ratio Lower Upper
168 100
99 69.0 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.768 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

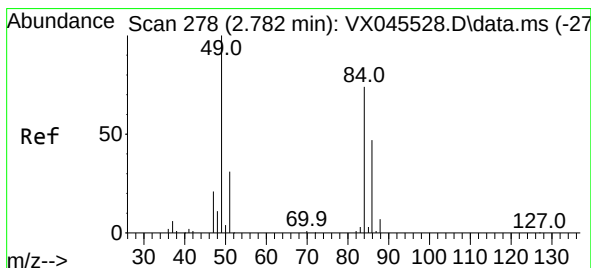
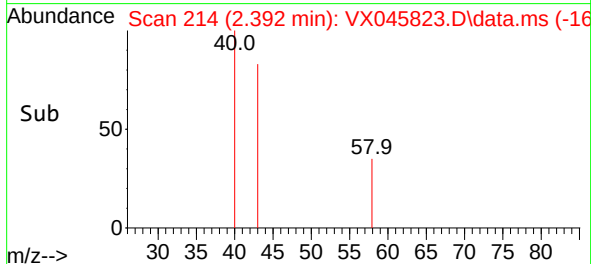
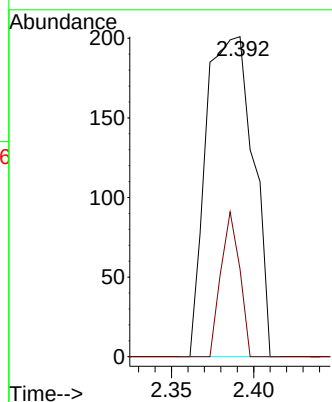
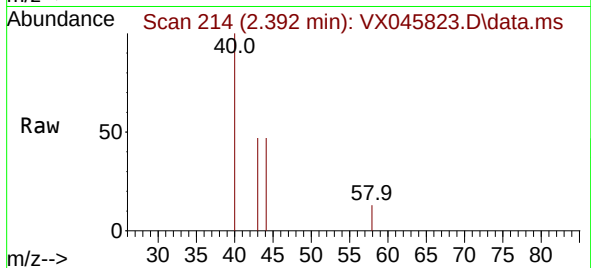




#16
Acetone
Concen: 0.895 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

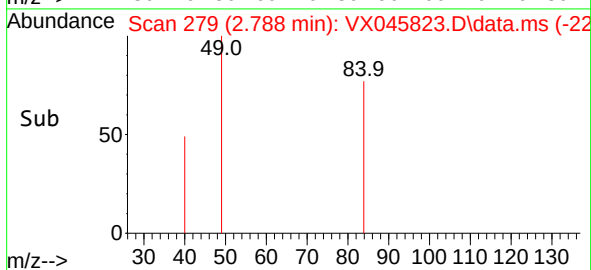
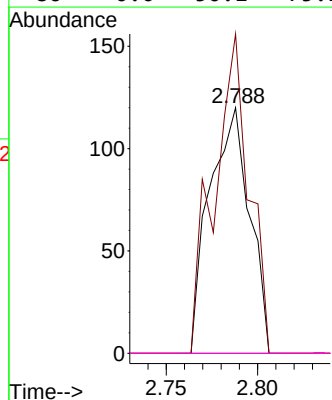
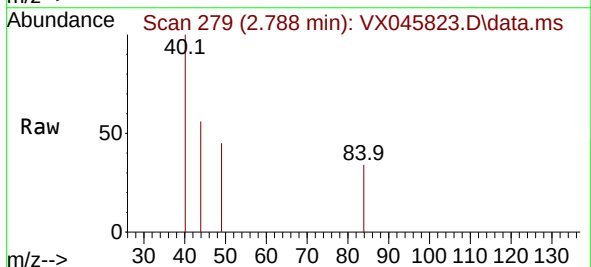
Instrument :
MSVOA_X
ClientSampleId :

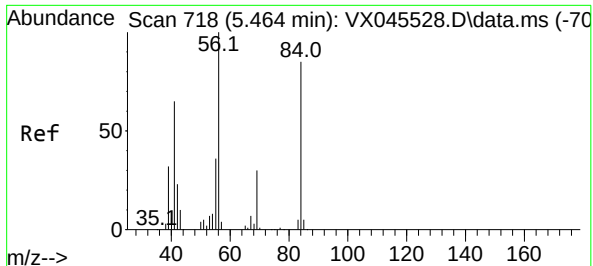
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
58 27.4 22.3 33.5



#20
Methylene Chloride
Concen: 0.219 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

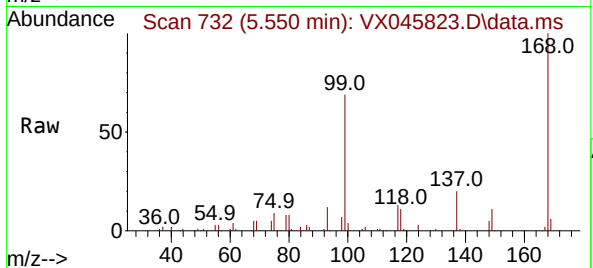
Tgt Ion: 84 Resp: 183
Ion Ratio Lower Upper
84 100
49 130.0 107.5 161.3
51 0.0 33.0 49.6#
86 0.0 50.1 75.1#



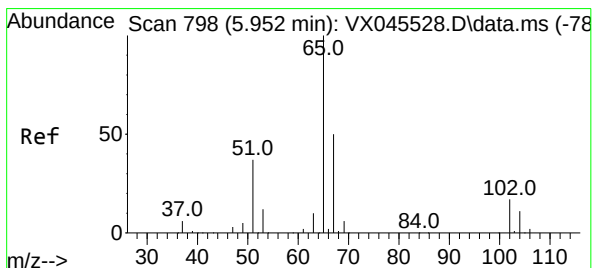
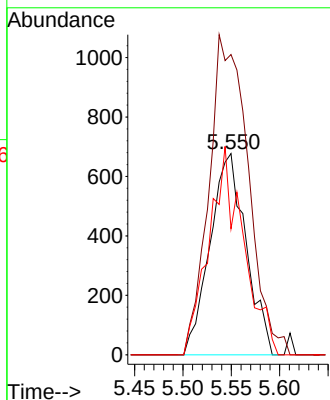
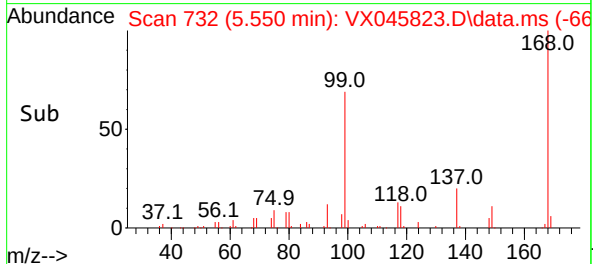


#31
Cyclohexane
Concen: 1.316 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :

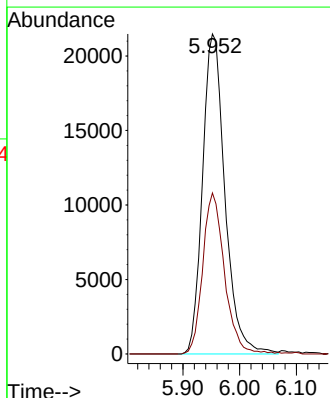
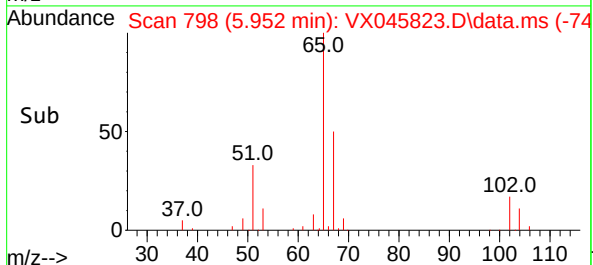
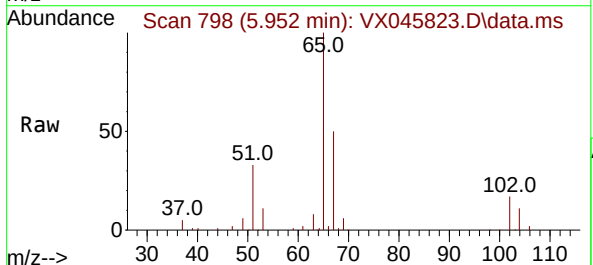


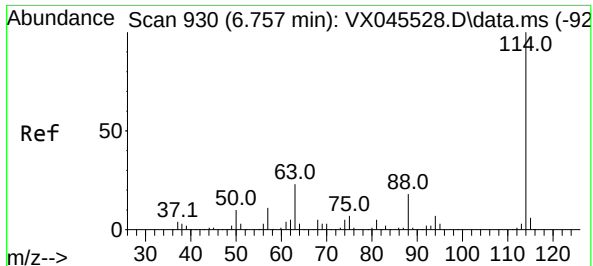
Tgt Ion: 56 Resp: 1753
Ion Ratio Lower Upper
56 100
69 149.2 23.6 35.4#
84 62.6 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 54.360 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

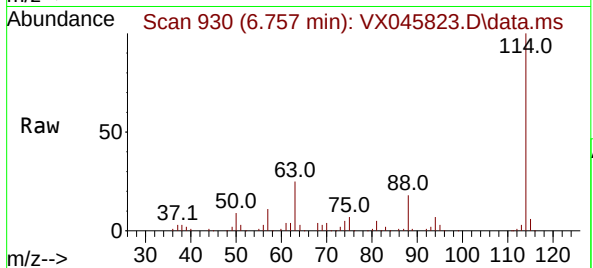
Tgt Ion: 65 Resp: 59010
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.0



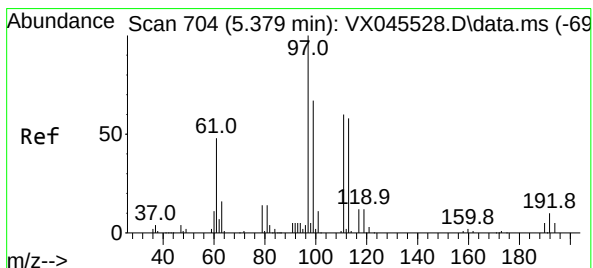
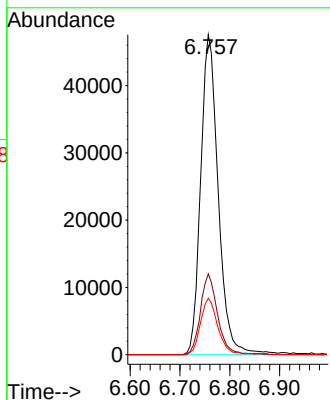
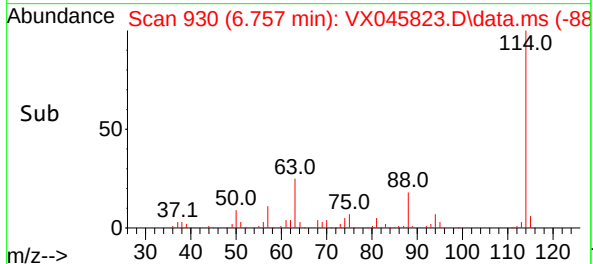


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

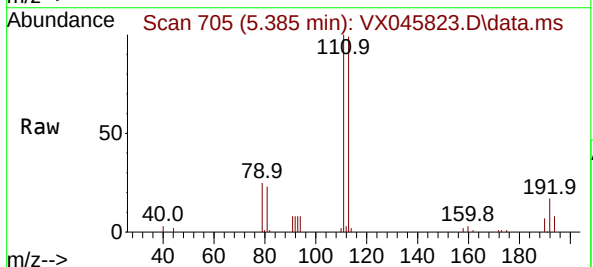
Instrument :
MSVOA_X
ClientSampleId :



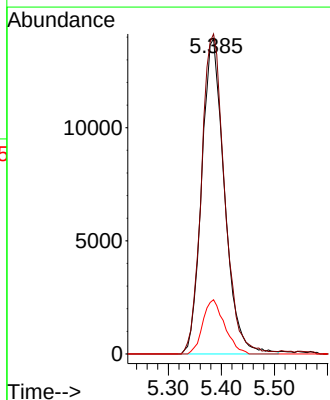
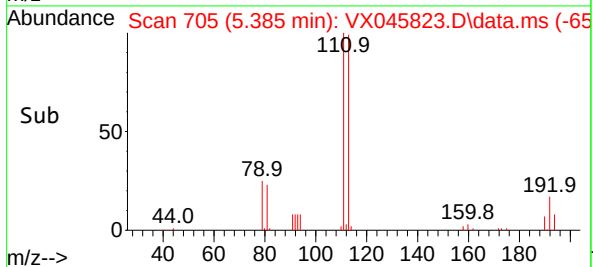
Tgt Ion:114 Resp: 116171
Ion Ratio Lower Upper
114 100
63 25.2 0.0 46.8
88 17.7 0.0 35.4

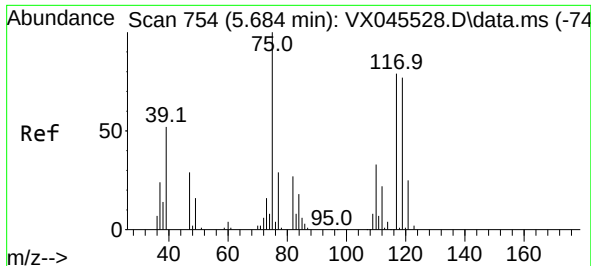


#35
Dibromofluoromethane
Concen: 50.345 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12



Tgt Ion:113 Resp: 41496
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 16.5 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.373 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

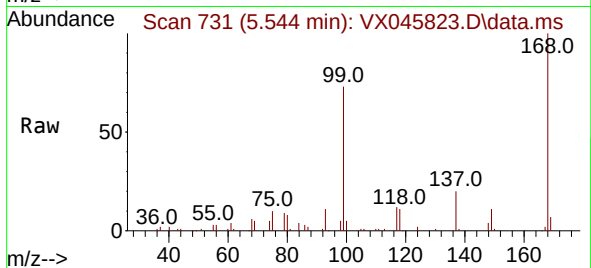
Lab File: VX045823.D

Acq: 17 Apr 2025 13:12

Instrument :

MSVOA_X

ClientSampleId :



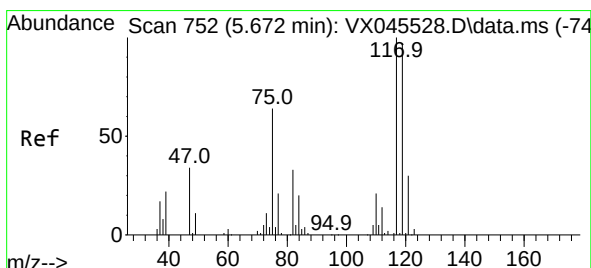
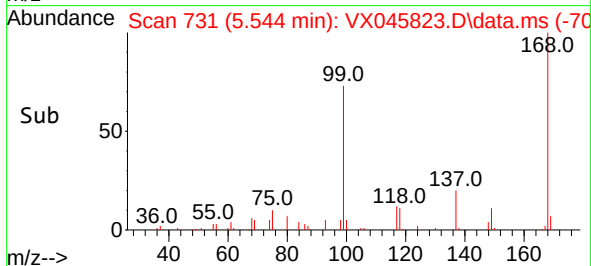
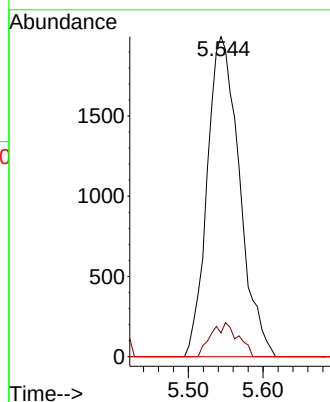
Tgt Ion: 75 Resp: 5980

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.930 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045823.D

Acq: 17 Apr 2025 13:12

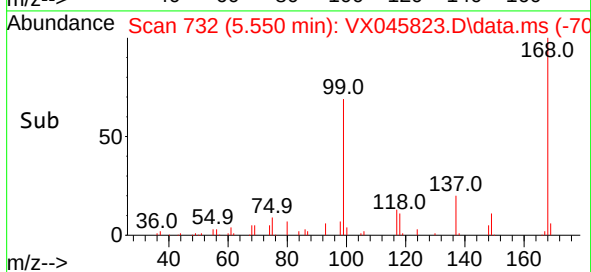
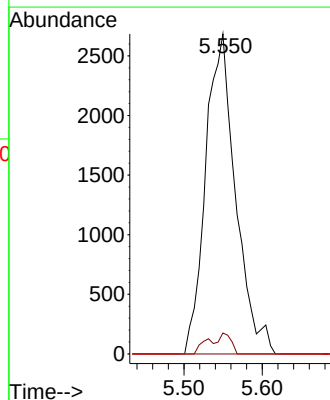
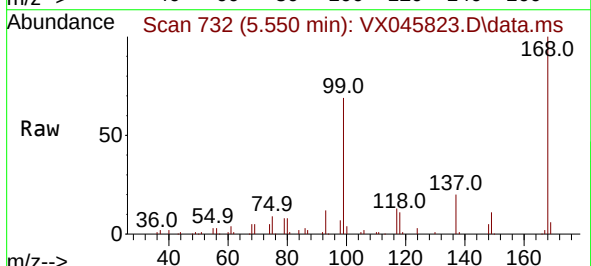
Tgt Ion: 117 Resp: 7132

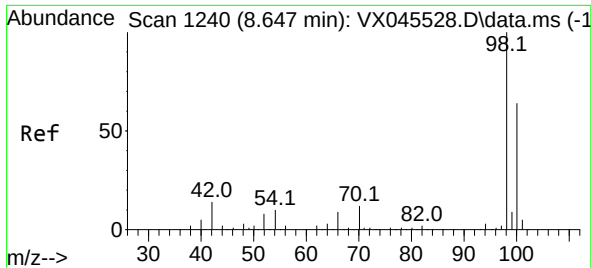
Ion Ratio Lower Upper

117 100

119 6.6 76.9 115.3#

121 0.0 24.2 36.2#

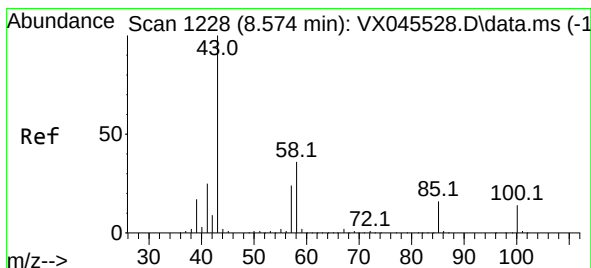
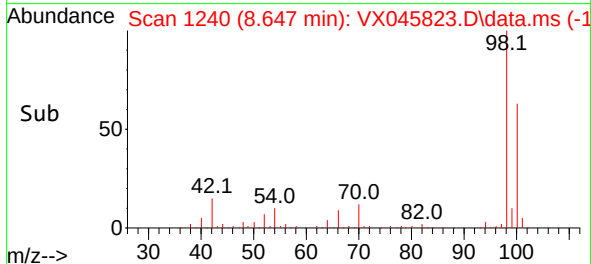
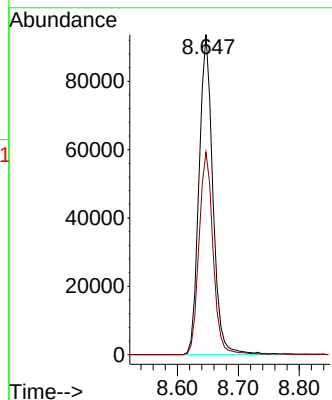
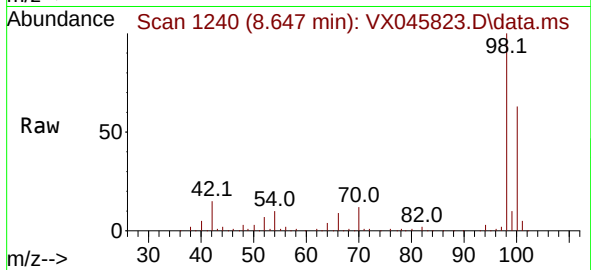




#50
Toluene-d8
Concen: 51.374 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

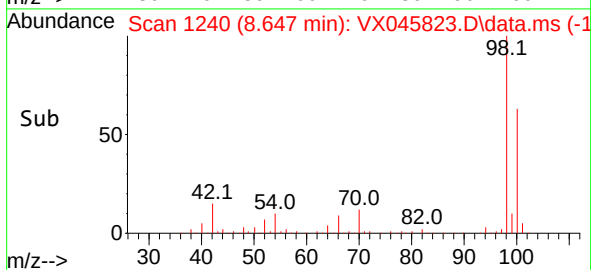
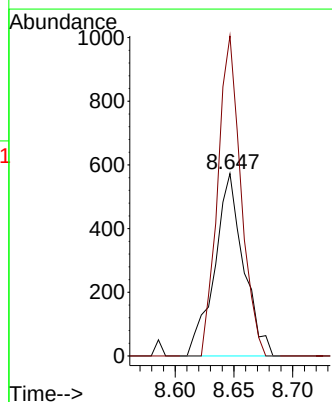
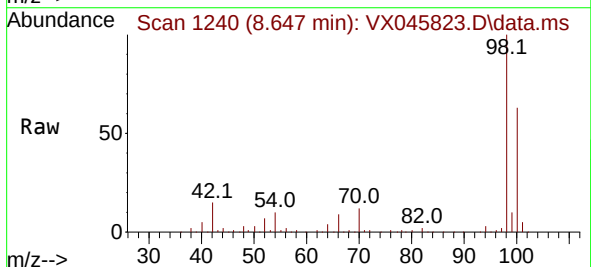
Instrument :
MSVOA_X
ClientSampleId :

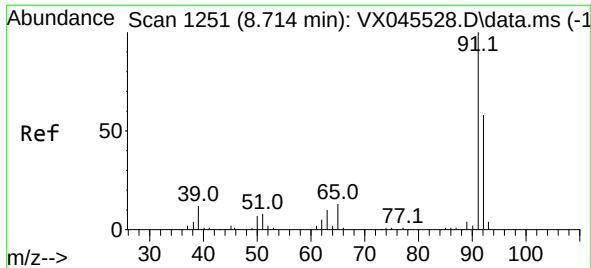
Tgt Ion: 98 Resp: 147797
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.698 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

Tgt Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
58 140.3 28.5 42.7#





#52

Toluene

Concen: 0.904 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX045823.D

Acq: 17 Apr 2025 13:12

Instrument :

MSVOA_X

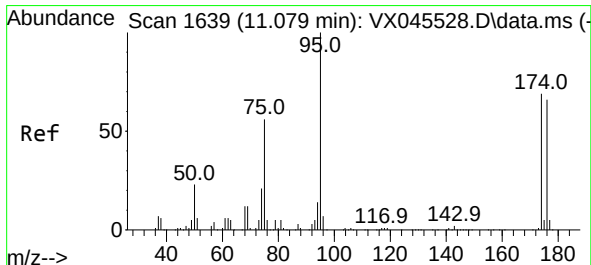
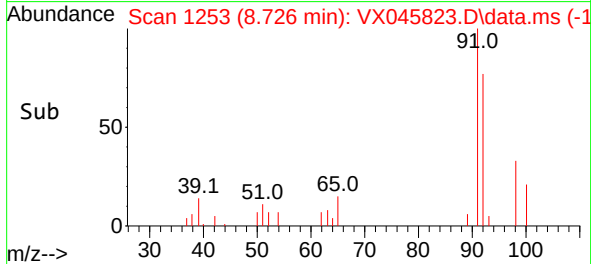
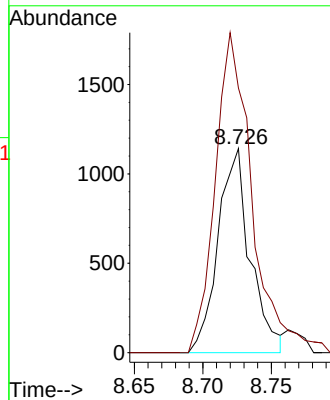
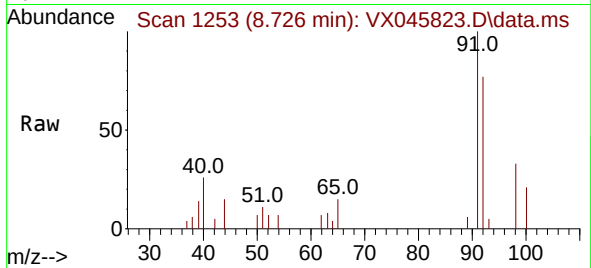
ClientSampleId :

Tgt Ion: 92 Resp: 1859

Ion Ratio Lower Upper

92 100

91 180.3 138.7 208.1



#62

4-Bromofluorobenzene

Concen: 52.097 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045823.D

Acq: 17 Apr 2025 13:12

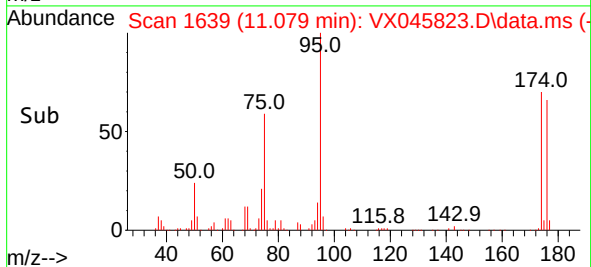
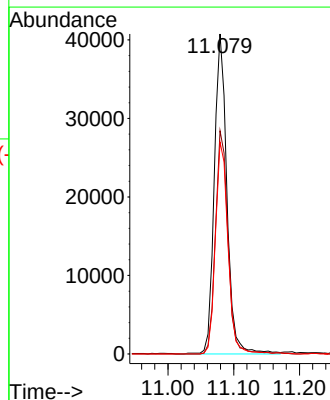
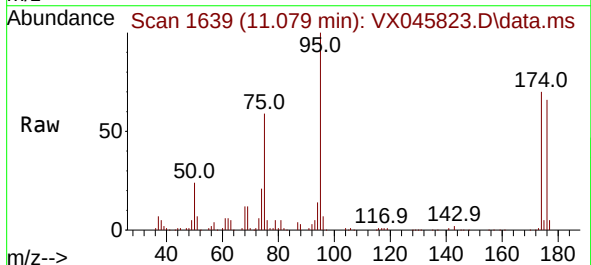
Tgt Ion: 95 Resp: 54593

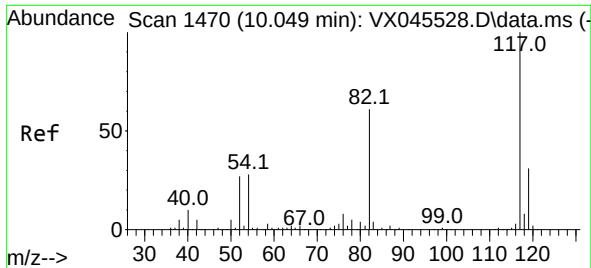
Ion Ratio Lower Upper

95 100

174 69.3 0.0 135.8

176 65.8 0.0 131.4

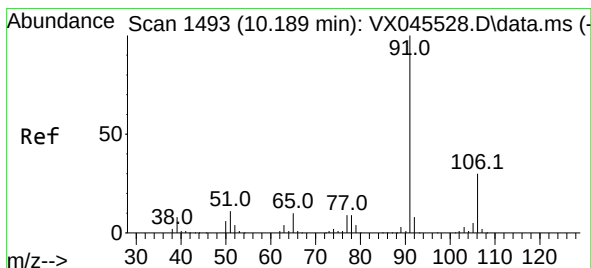
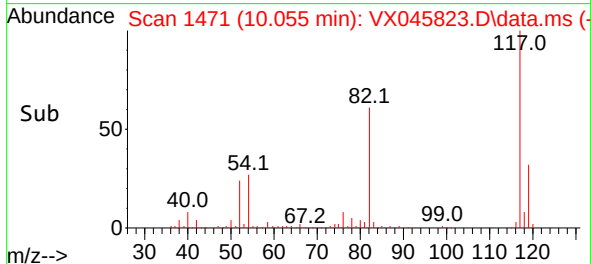
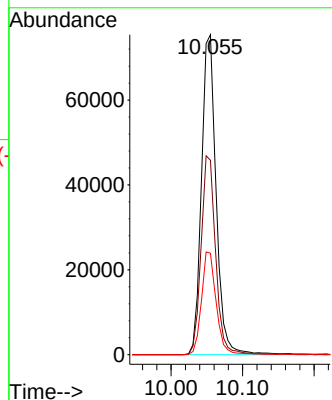
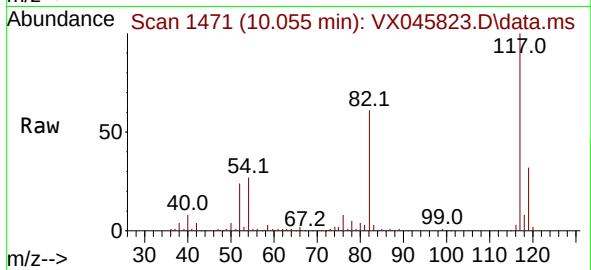




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

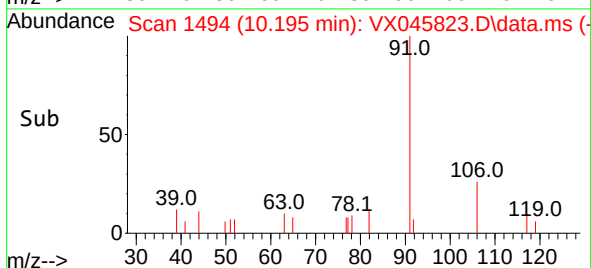
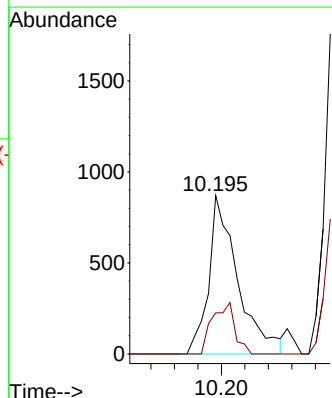
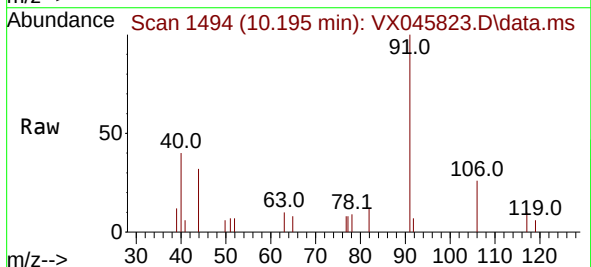
Instrument :
MSVOA_X
ClientSampleId :

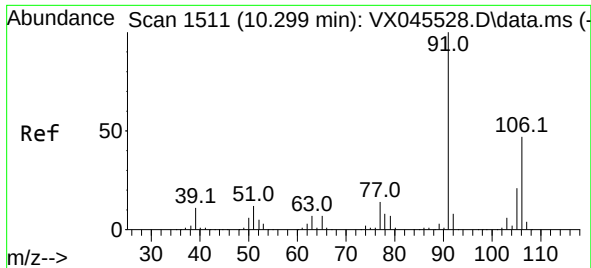
Tgt Ion:117 Resp: 107299
Ion Ratio Lower Upper
117 100
82 60.7 49.2 73.8
119 31.7 25.1 37.7



#67
Ethyl Benzene
Concen: 0.364 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

Tgt Ion: 91 Resp: 1494
Ion Ratio Lower Upper
91 100
106 26.0 23.7 35.5

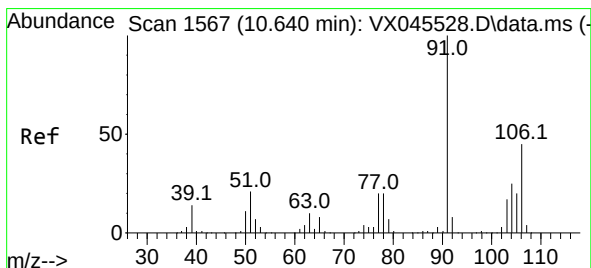
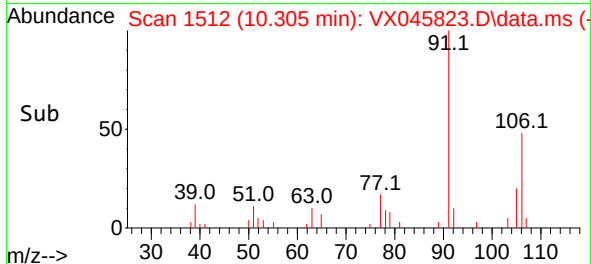
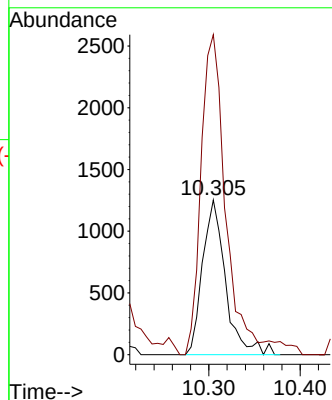
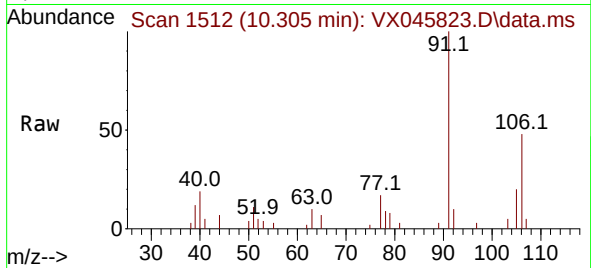




#68
m/p-Xylenes
Concen: 1.465 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

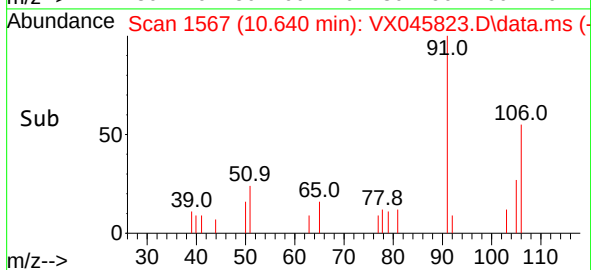
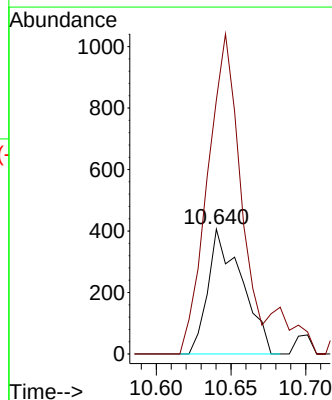
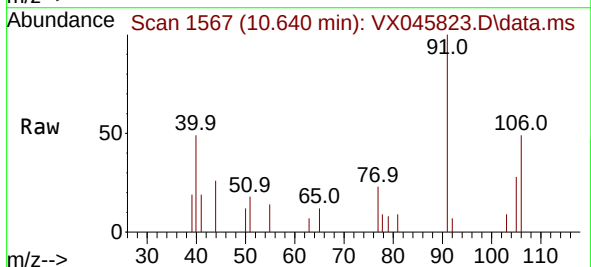
Instrument :
MSVOA_X
ClientSampleId :

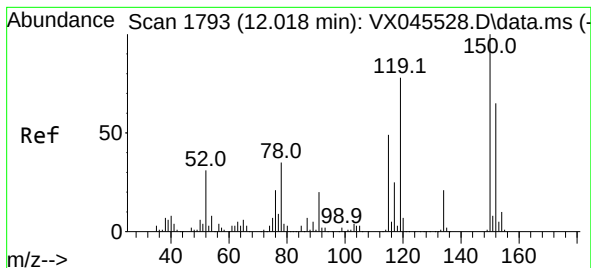
Tgt Ion:106 Resp: 2188
Ion Ratio Lower Upper
106 100
91 218.9 172.6 258.8



#69
o-Xylene
Concen: 0.434 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

Tgt Ion:106 Resp: 638
Ion Ratio Lower Upper
106 100
91 279.6 113.6 340.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX045823.D

Acq: 17 Apr 2025 13:12

Instrument :

MSVOA_X

ClientSampleId :

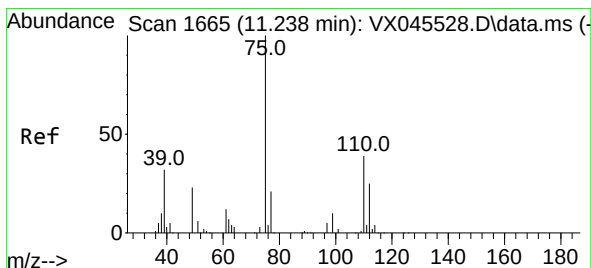
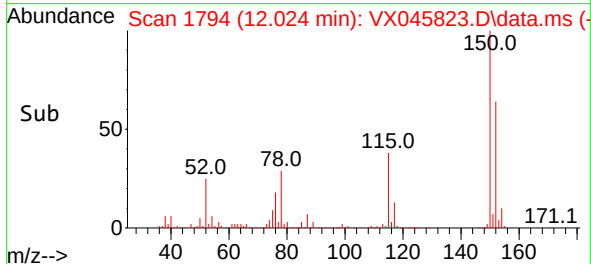
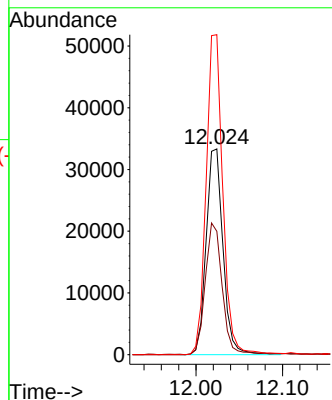
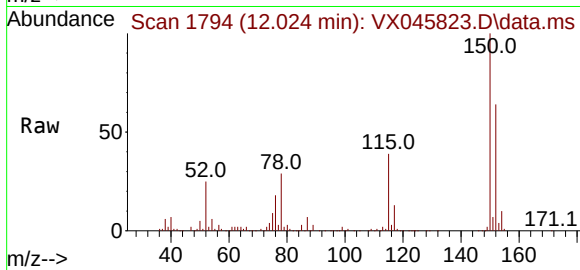
Tgt Ion:152 Resp: 45186

Ion Ratio Lower Upper

152 100

115 64.2 46.9 140.7

150 153.5 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 28.226 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045823.D

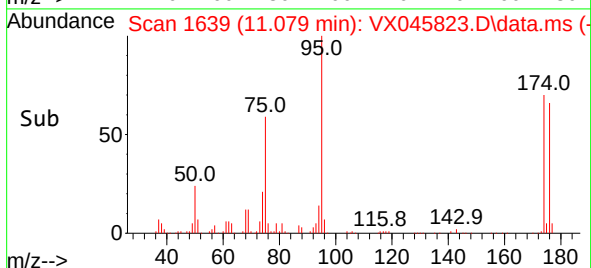
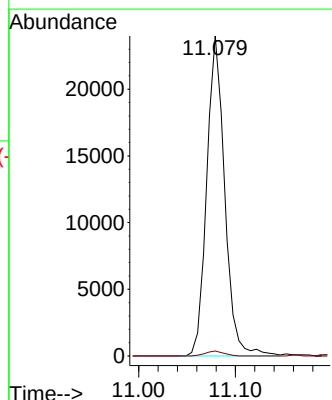
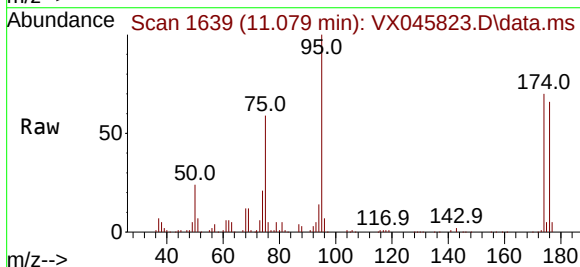
Acq: 17 Apr 2025 13:12

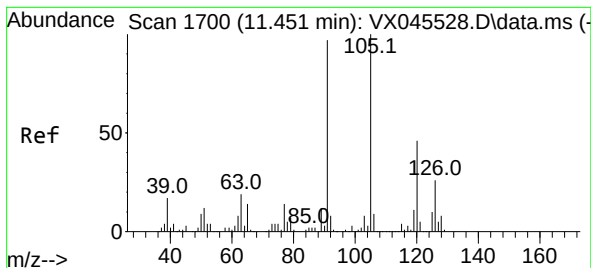
Tgt Ion: 75 Resp: 31110

Ion Ratio Lower Upper

75 100

77 1.6 20.0 59.9#





#80

1,3,5-Trimethylbenzene

Concen: 0.311 ug/l

RT: 11.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045823.D

Acq: 17 Apr 2025 13:12

Instrument :

MSVOA_X

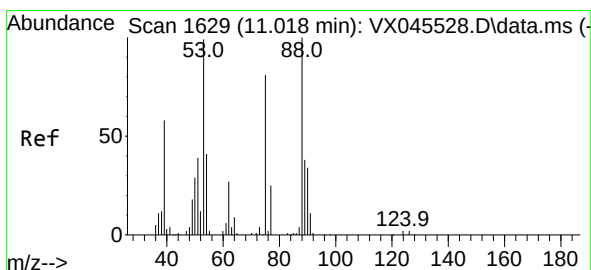
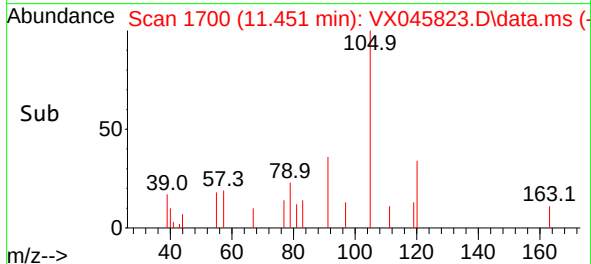
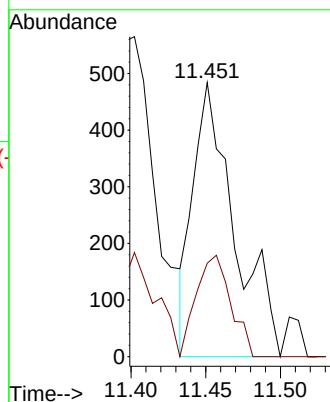
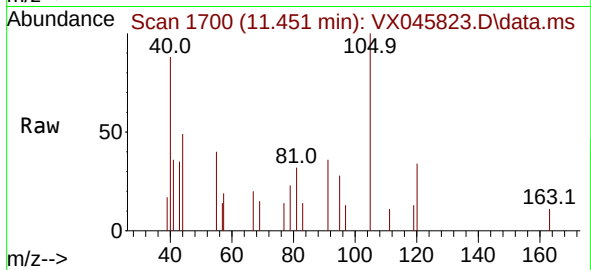
ClientSampleId :

Tgt Ion:105 Resp: 931

Ion Ratio Lower Upper

105 100

120 31.0 23.0 69.0



#81

trans-1,4-Dichloro-2-butene

Concen: 95.794 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045823.D

Acq: 17 Apr 2025 13:12

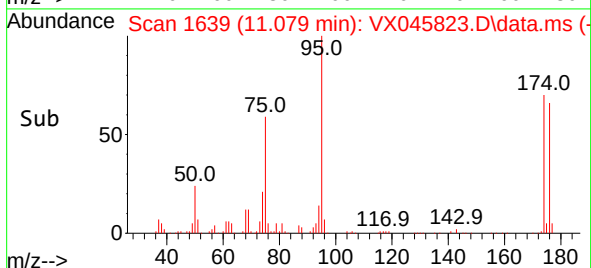
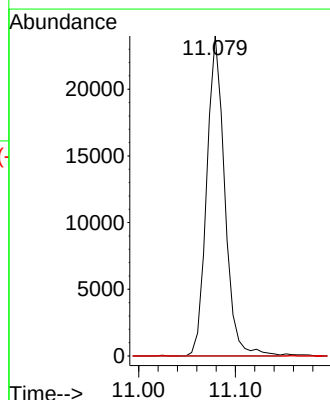
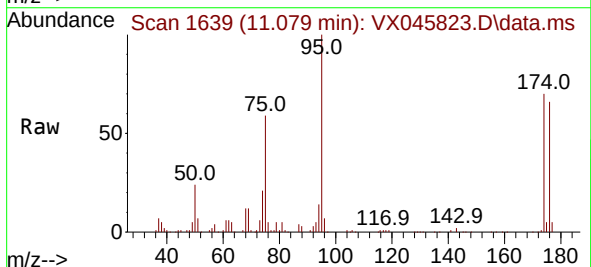
Tgt Ion: 75 Resp: 31110

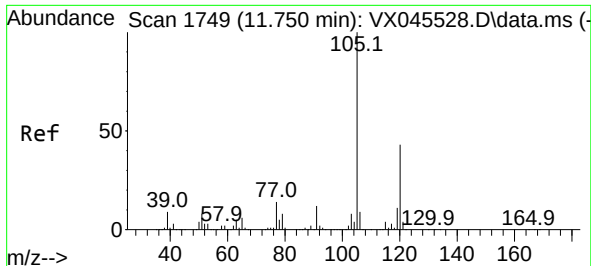
Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

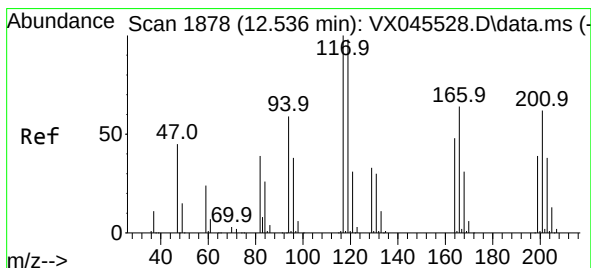
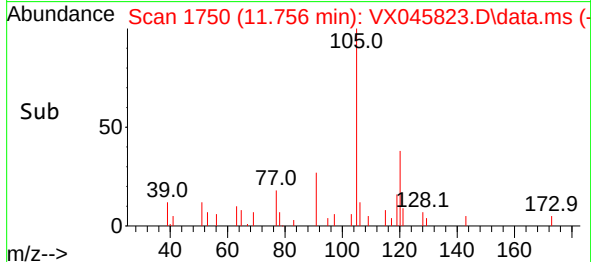
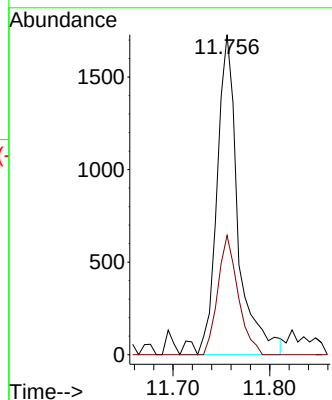
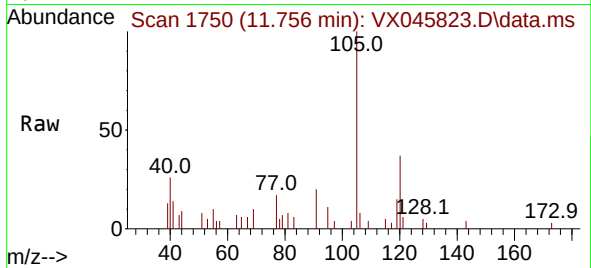




#84
1,2,4-Trimethylbenzene
Concen: 0.880 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

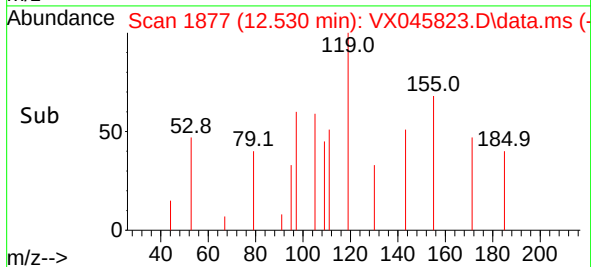
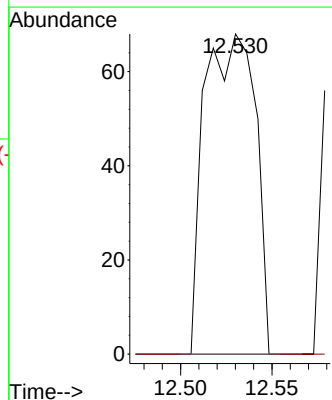
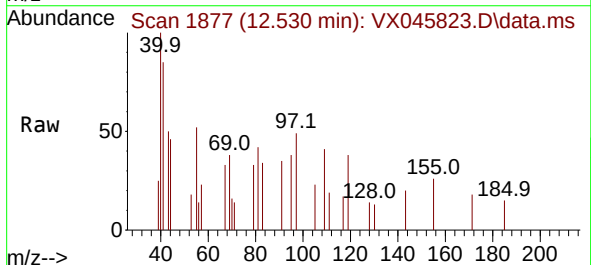
Instrument :
MSVOA_X
ClientSampleId :

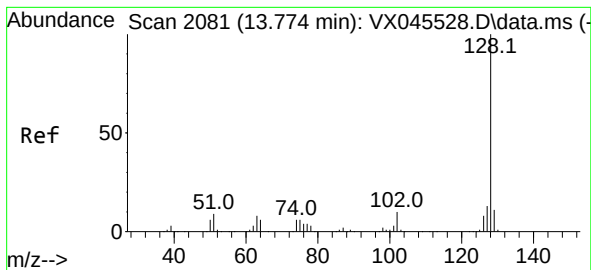
Tgt Ion:105 Resp: 2645
Ion Ratio Lower Upper
105 100
120 35.4 21.4 64.3



#90
Hexachloroethane
Concen: 0.256 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VX045823.D
Acq: 17 Apr 2025 13:12

Tgt Ion:117 Resp: 132
Ion Ratio Lower Upper
117 100
201 0.0 31.2 93.6#





#95

Naphthalene

Concen: 0.782 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.012 min

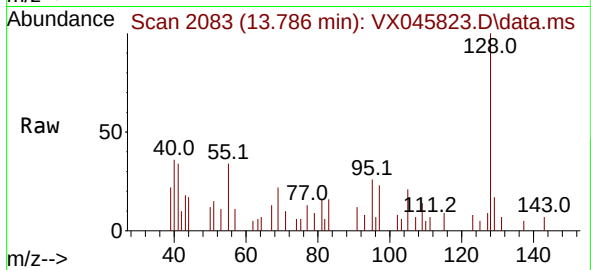
Lab File: VX045823.D

Acq: 17 Apr 2025 13:12

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 2453

Ion Ratio Lower Upper

128 100

127 14.2 10.3 15.5

129 16.5 8.6 12.8#

