

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045217.D
 Acq On : 11 Mar 2025 12:27
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 12 01:46:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

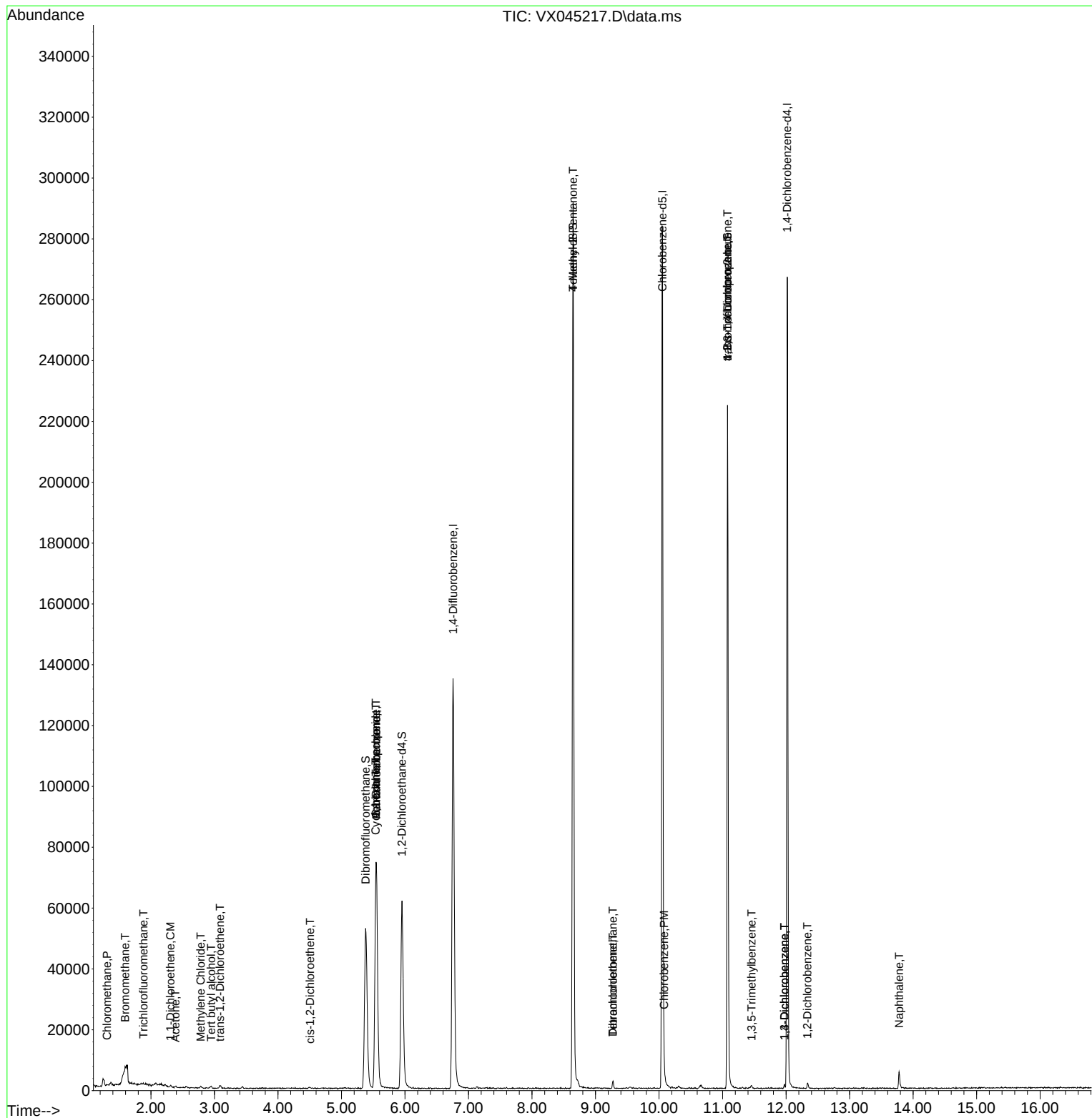
Internal Standards						
1) Pentafluorobenzene	5.550	168	69607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57762	52.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.340%			
35) Dibromofluoromethane	5.379	113	46549	51.049	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.100%			
50) Toluene-d8	8.646	98	168222	50.888	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.780%			
62) 4-Bromofluorobenzene	11.079	95	58156	53.090	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.180%			
Target Compounds						Qvalue
3) Chloromethane	1.306	50	245	0.228	ug/l #	43
5) Bromomethane	1.593	94	210	0.502	ug/l #	60
7) Trichlorofluoromethane	1.879	101	334	0.237	ug/l #	78
11) Tert butyl alcohol	2.946	59	367	1.750	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	228	0.267	ug/l #	74
16) Acetone	2.385	43	586	1.141	ug/l	90
20) Methylene Chloride	2.782	84	229	0.225	ug/l #	73
21) trans-1,2-Dichloroethene	3.087	96	464	0.549	ug/l	82
27) cis-1,2-Dichloroethene	4.507	96	243	0.233	ug/l	82
31) Cyclohexane	5.537	56	920	0.611	ug/l #	44
36) 1,1-Dichloropropene	5.543	75	6140	4.910	ug/l #	49
38) Carbon Tetrachloride	5.543	117	7545	5.943	ug/l #	20
51) 4-Methyl-2-Pentanone	8.646	43	1005	0.628	ug/l #	1
60) Dibromochloromethane	9.274	129	346	0.347	ug/l #	11
64) Tetrachloroethene	9.274	164	349	0.436	ug/l #	82
65) Chlorobenzene	10.079	112	750	0.284	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	31992	26.011	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.457	105	722	0.216	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	31992	89.016	ug/l #	6
87) 1,3-Dichlorobenzene	11.975	146	547	0.315	ug/l	81
88) 1,4-Dichlorobenzene	11.975	146	547	0.311	ug/l	82
91) 1,2-Dichlorobenzene	12.335	146	751	0.431	ug/l	93
95) Naphthalene	13.780	128	4604	1.208	ug/l	96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045217.D
Acq On : 11 Mar 2025 12:27
Operator : JC/MD
Sample : IBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Quant Time: Mar 12 01:46:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

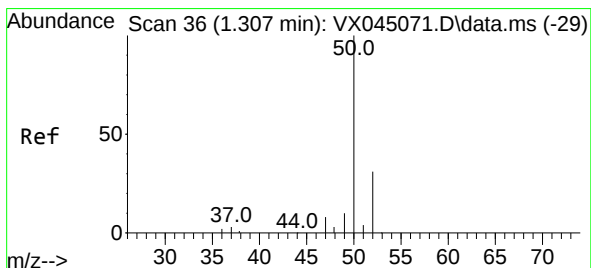
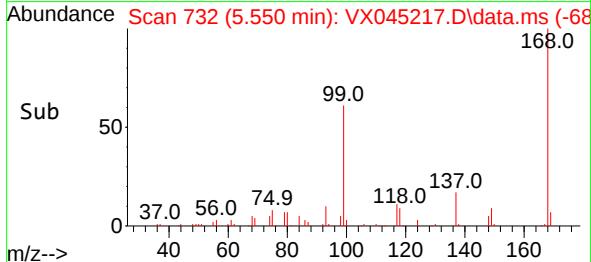
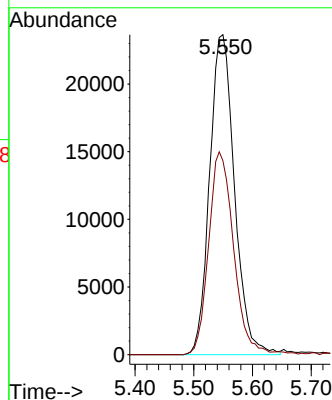
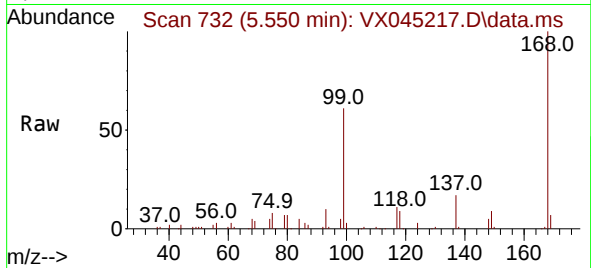




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

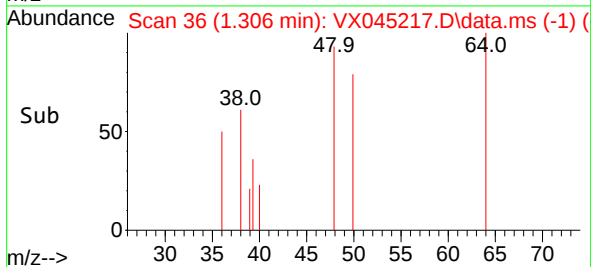
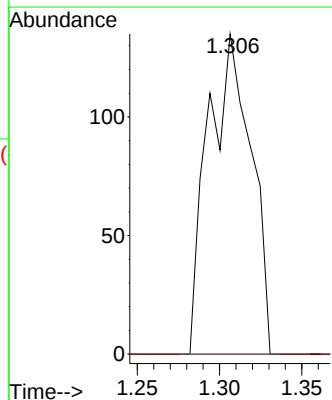
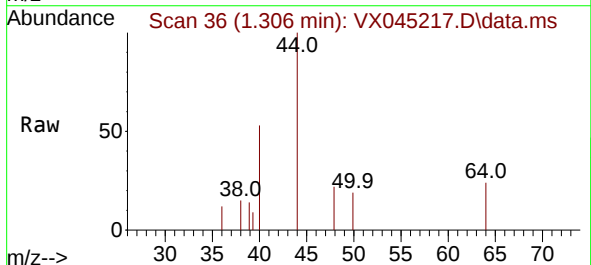
Instrument :
MSVOA_X
ClientSampleId :
IBLK

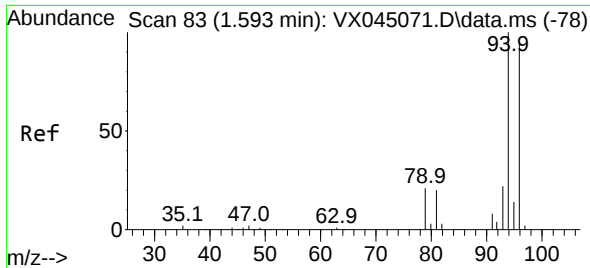
Tgt Ion:168 Resp: 69607
Ion Ratio Lower Upper
168 100
99 60.6 48.2 72.4



#3
Chloromethane
Concen: 0.228 ug/l
RT: 1.306 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion: 50 Resp: 245
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

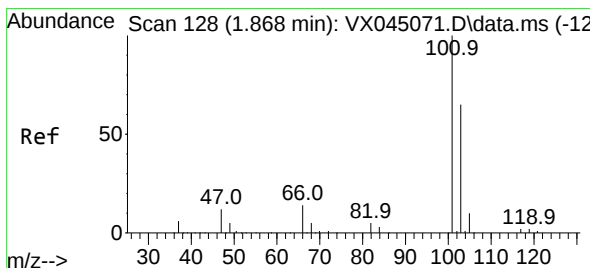
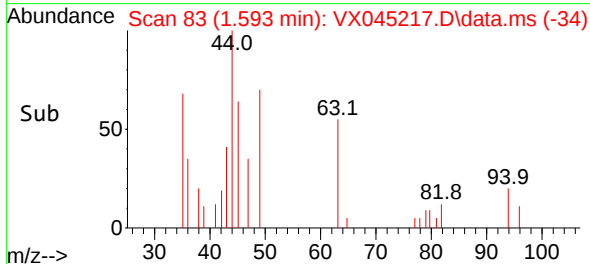
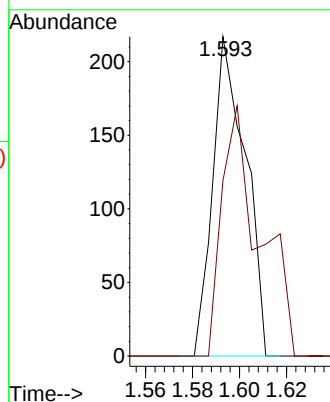
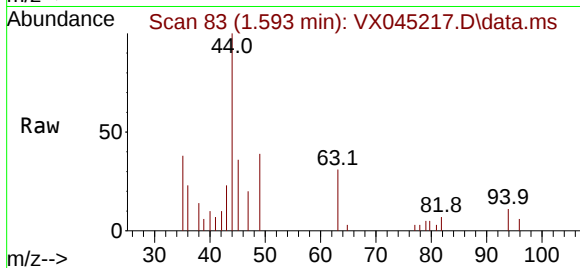




#5
Bromomethane
Concen: 0.502 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

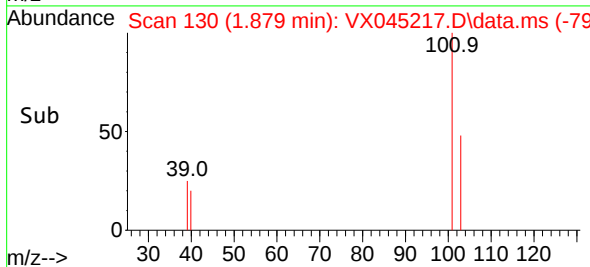
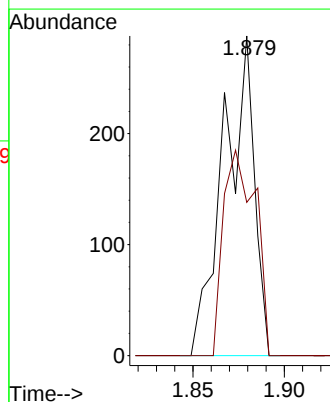
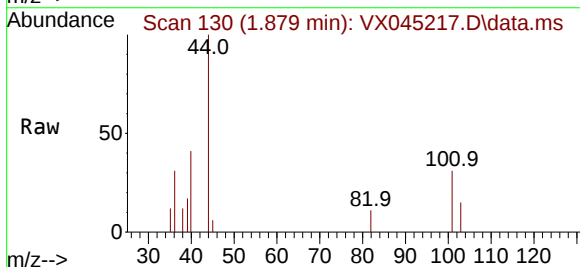
Instrument :
MSVOA_X
ClientSampleId :
IBLK

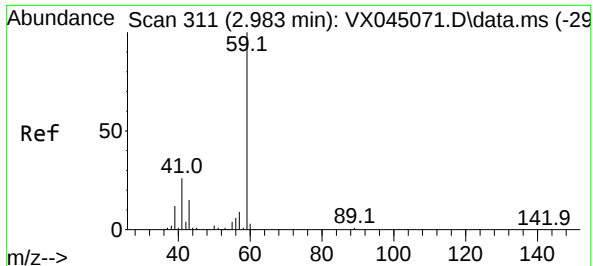
Tgt Ion: 94 Resp: 210
Ion Ratio Lower Upper
94 100
96 54.8 75.0 112.4#



#7
Trichlorofluoromethane
Concen: 0.237 ug/l
RT: 1.879 min Scan# 130
Delta R.T. 0.012 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion:101 Resp: 334
Ion Ratio Lower Upper
101 100
103 47.9 52.1 78.1#

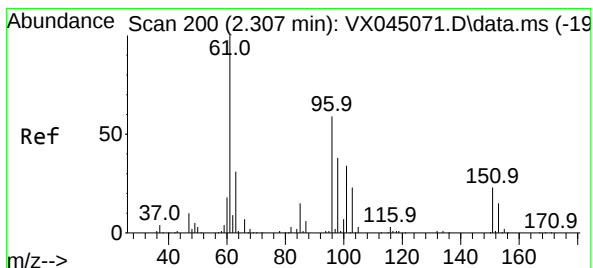
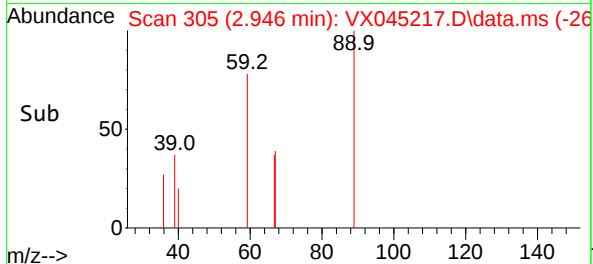
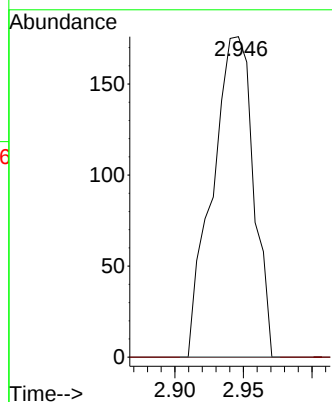
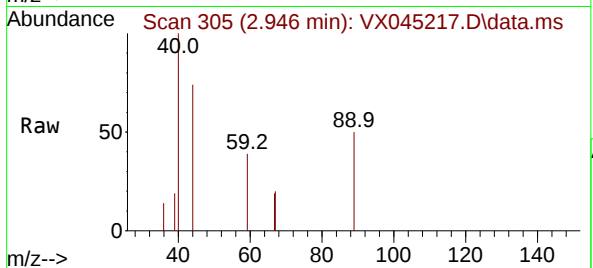




#11
Tert butyl alcohol
Concen: 1.750 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

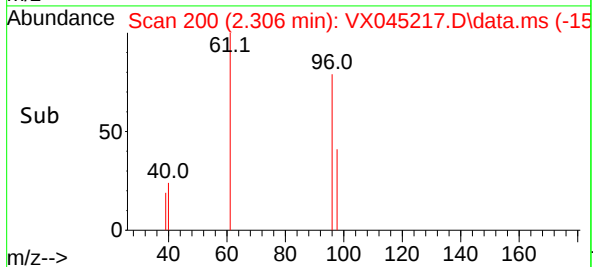
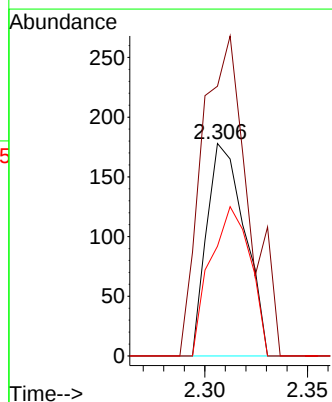
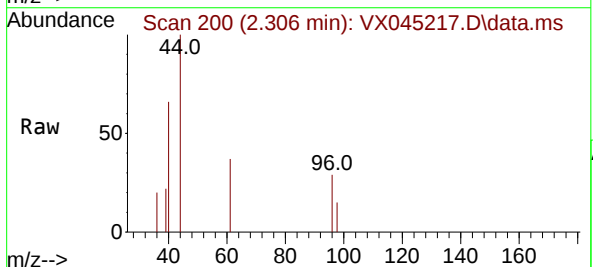
Instrument :
MSVOA_X
ClientSampleId :
IBLK

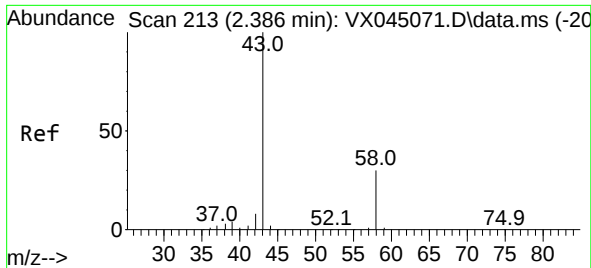
Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.267 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion: 96 Resp: 228
Ion Ratio Lower Upper
96 100
61 127.0 134.6 202.0#
98 51.7 51.0 76.6

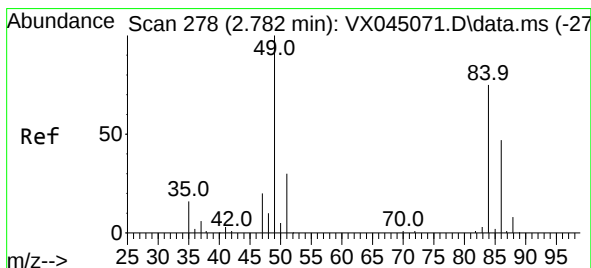
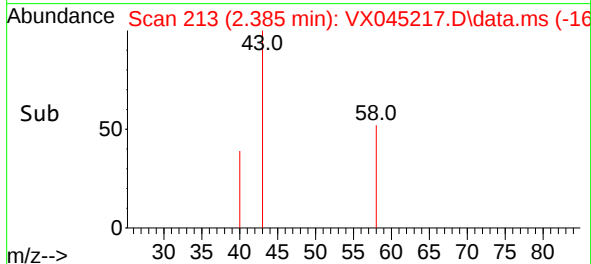
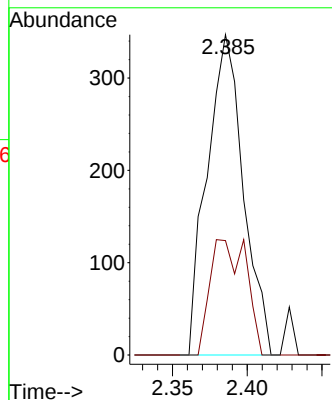
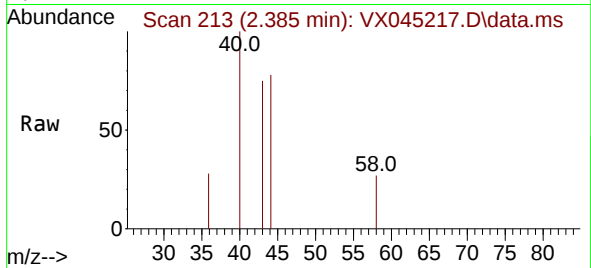




#16
Acetone
Concen: 1.141 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

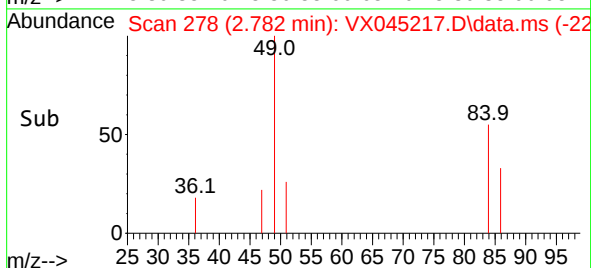
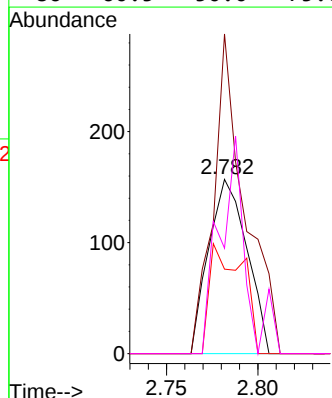
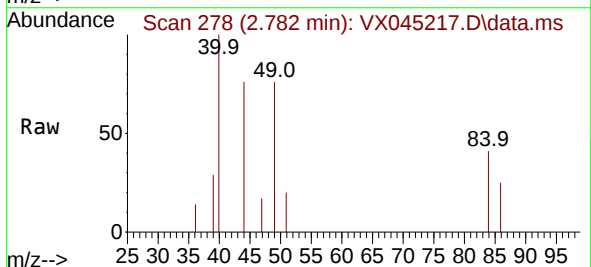
Instrument :
MSVOA_X
ClientSampleId :
IBLK

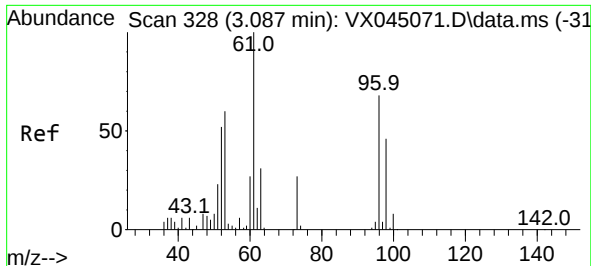
Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
58 35.7 24.2 36.4



#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion: 84 Resp: 229
Ion Ratio Lower Upper
84 100
49 183.4 106.5 159.7#
51 48.4 32.1 48.1#
86 60.5 50.0 75.0

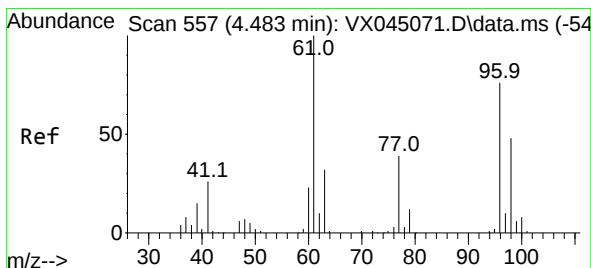
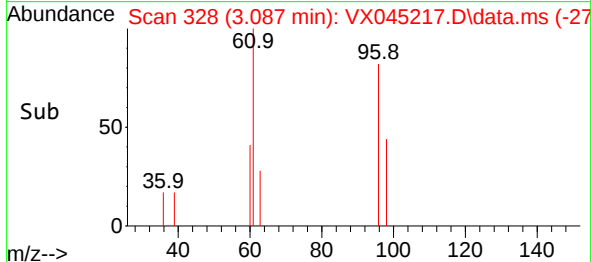
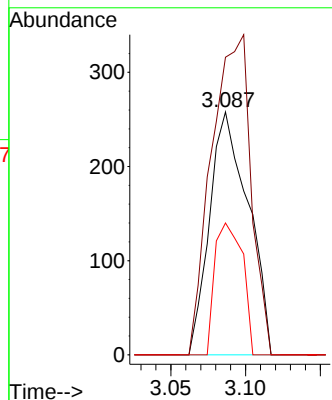
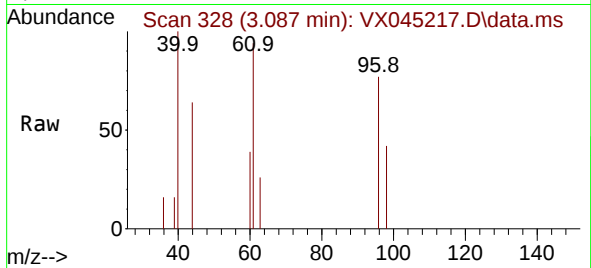




#21
trans-1,2-Dichloroethene
Concen: 0.549 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

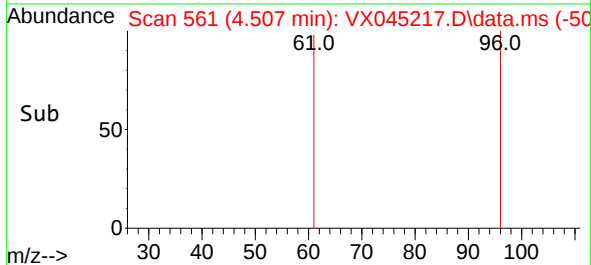
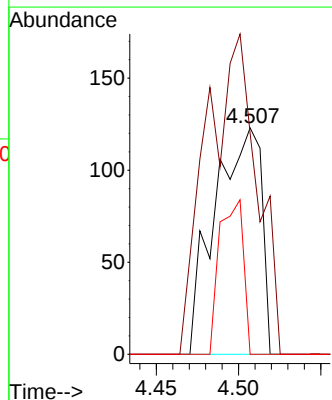
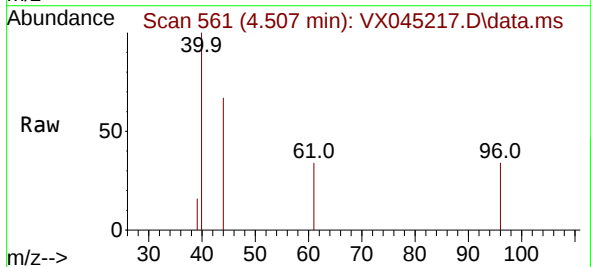
Instrument :
MSVOA_X
ClientSampleId :
IBLK

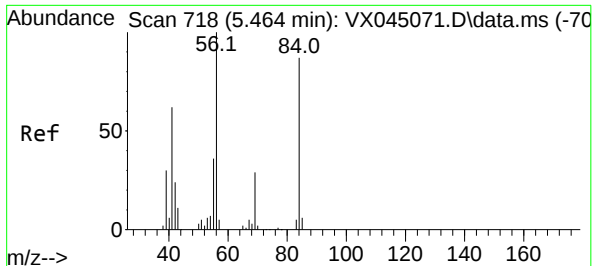
Tgt Ion: 96 Resp: 464
Ion Ratio Lower Upper
96 100
61 122.5 117.0 175.4
98 54.3 53.4 80.2



#27
cis-1,2-Dichloroethene
Concen: 0.233 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.024 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion: 96 Resp: 243
Ion Ratio Lower Upper
96 100
61 153.1 0.0 283.2
98 35.0 0.0 128.0

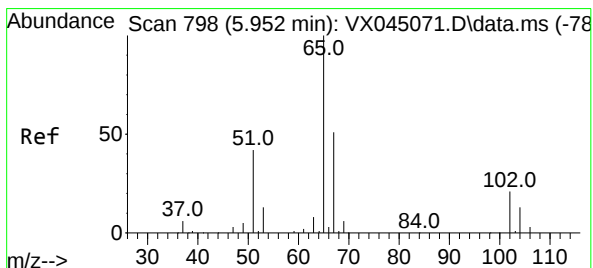
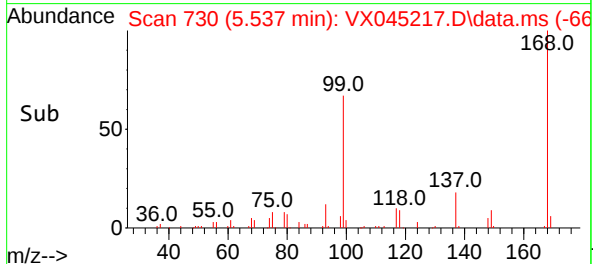
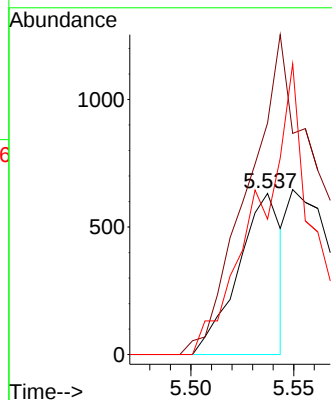
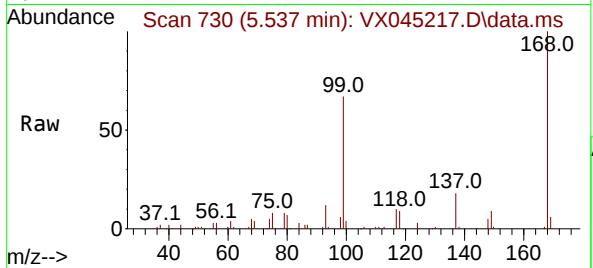




#31
Cyclohexane
Concen: 0.611 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

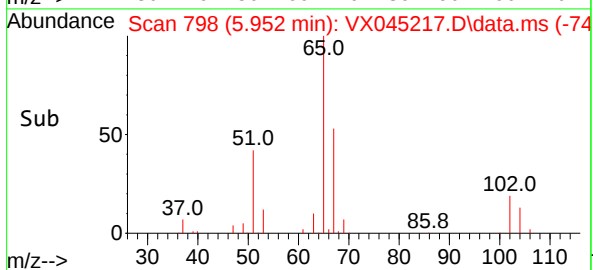
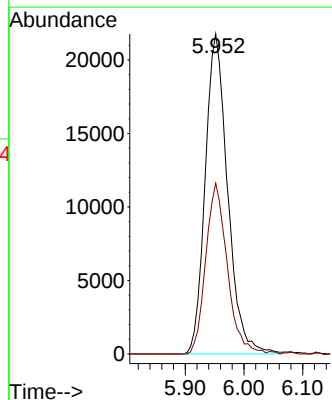
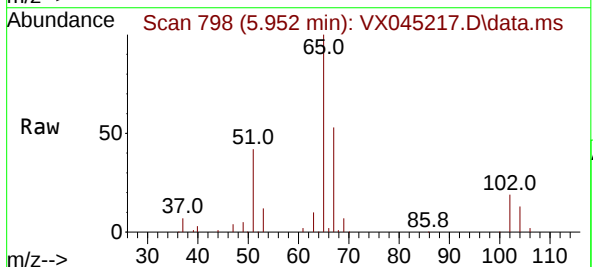
Instrument :
MSVOA_X
ClientSampleId :
IBLK

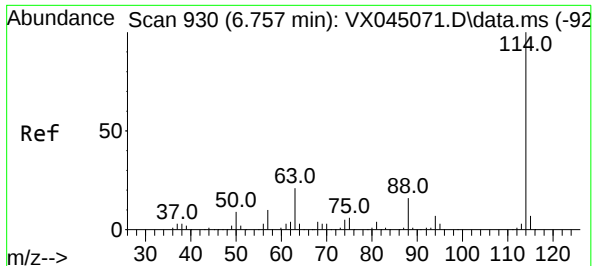
Tgt Ion: 56 Resp: 920
Ion Ratio Lower Upper
56 100
69 143.7 23.4 35.2#
84 84.0 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 52.169 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion: 65 Resp: 57762
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.2

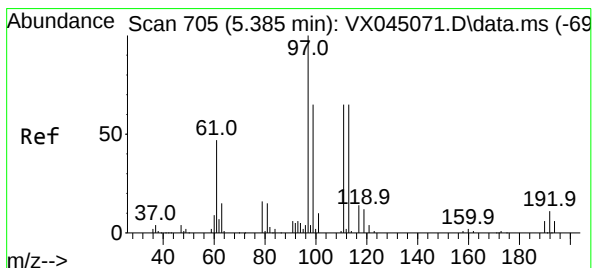
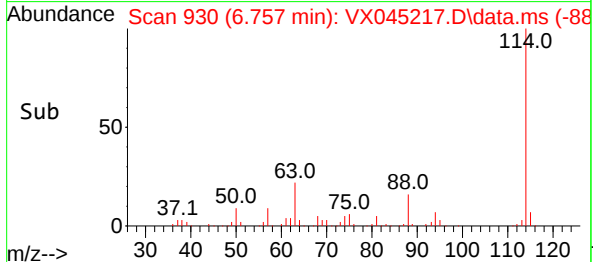
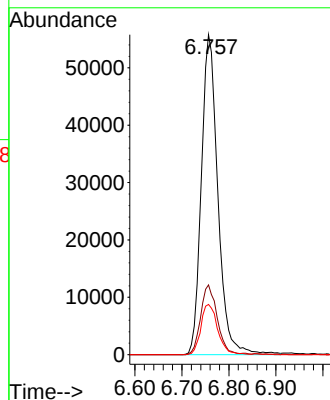
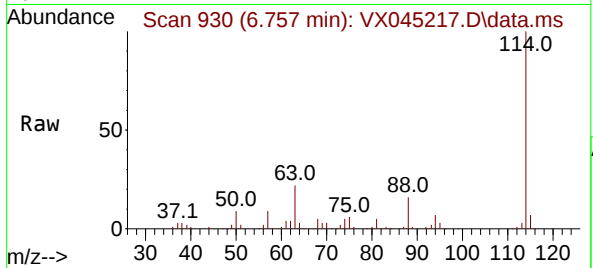




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

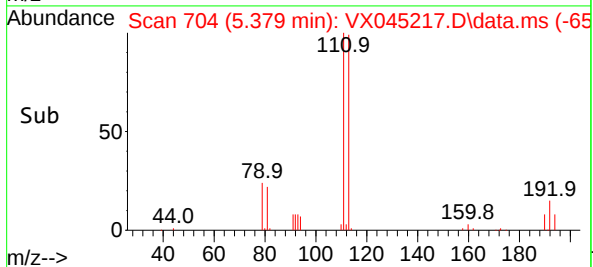
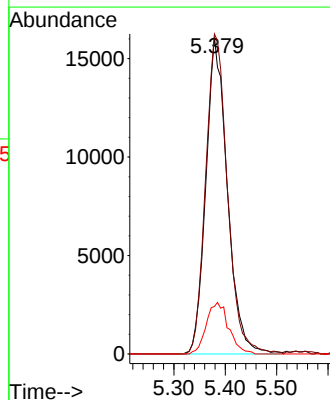
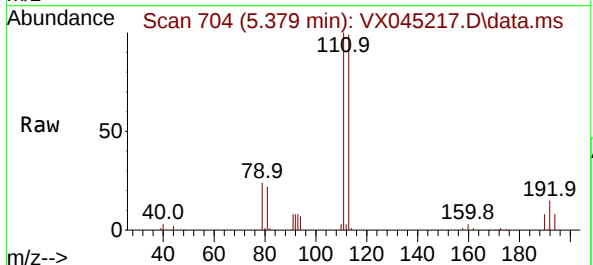
Instrument :
MSVOA_X
ClientSampleId :
IBLK

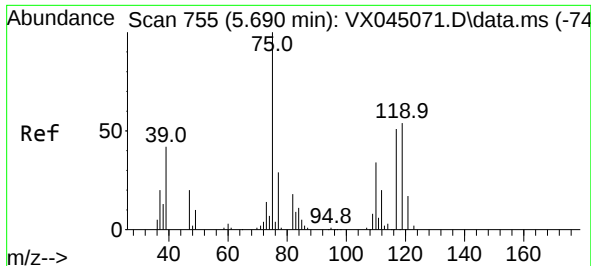
Tgt Ion:114 Resp: 136366
Ion Ratio Lower Upper
114 100
63 21.8 0.0 41.8
88 15.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.049 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion:113 Resp: 46549
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 16.9 14.3 21.5

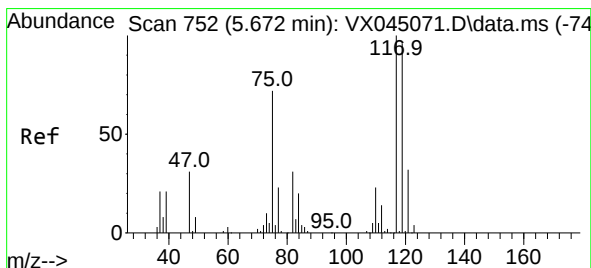
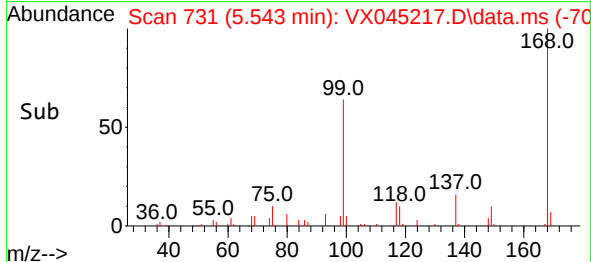
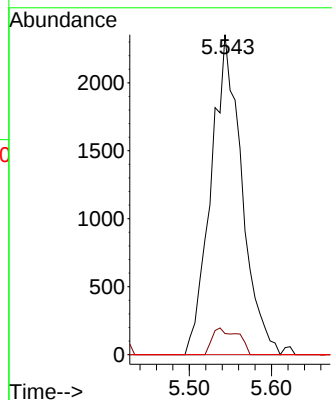
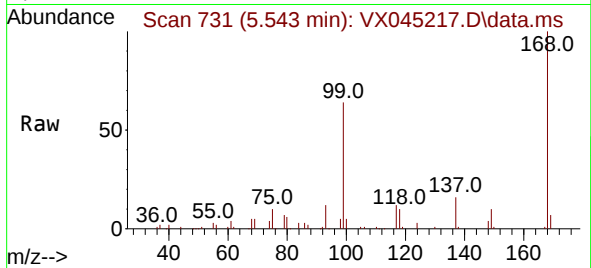




#36
1,1-Dichloropropene
Concen: 4.910 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.147 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

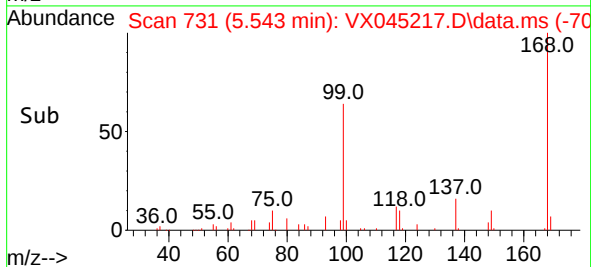
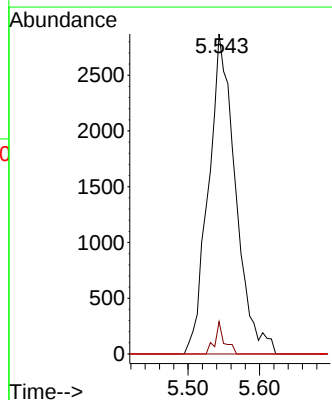
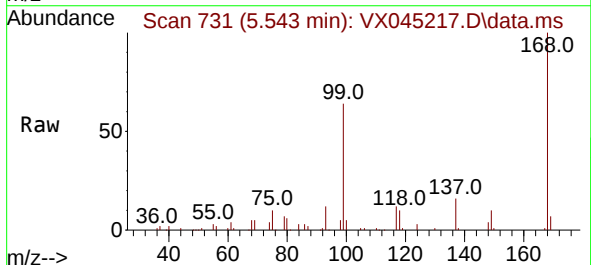
Instrument :
MSVOA_X
ClientSampleId :
IBLK

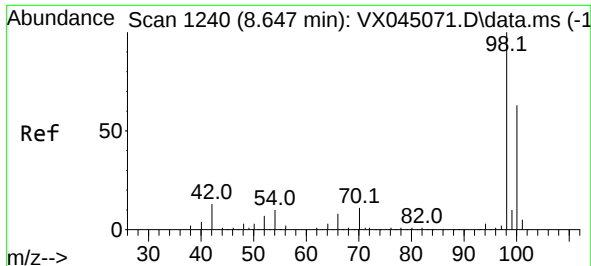
Tgt Ion: 75 Resp: 6140
Ion Ratio Lower Upper
75 100
110 6.9 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.943 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion: 117 Resp: 7545
Ion Ratio Lower Upper
117 100
119 10.1 76.7 115.1#
121 0.0 25.5 38.3#

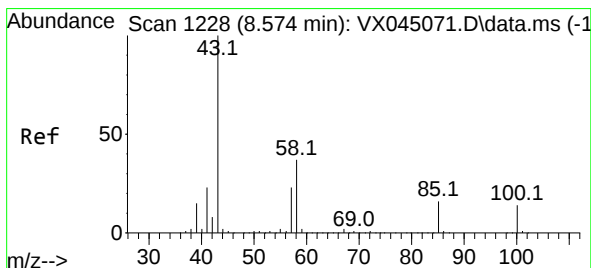
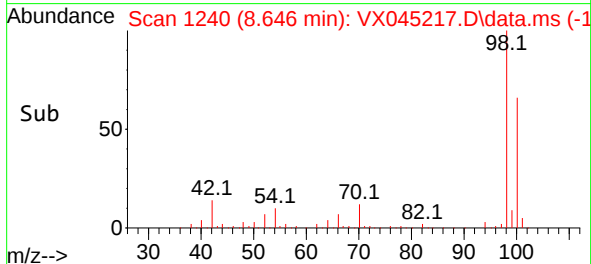
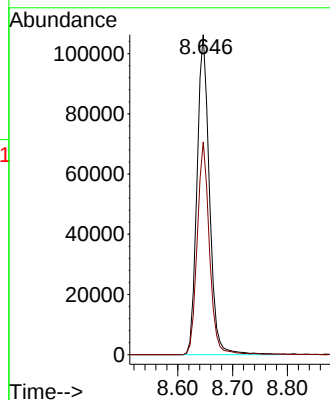
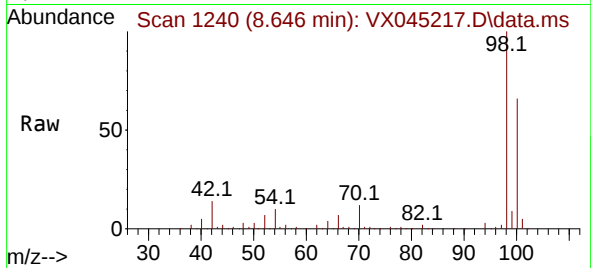




#50
Toluene-d8
Concen: 50.888 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

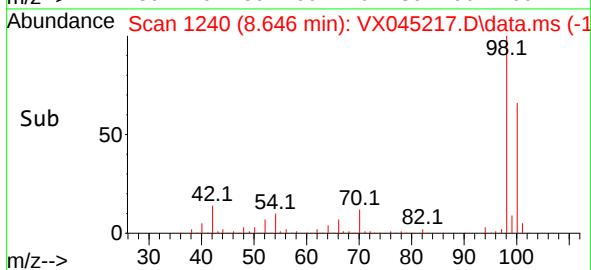
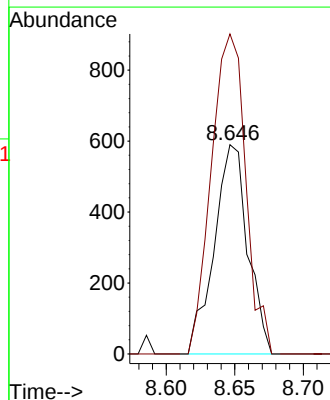
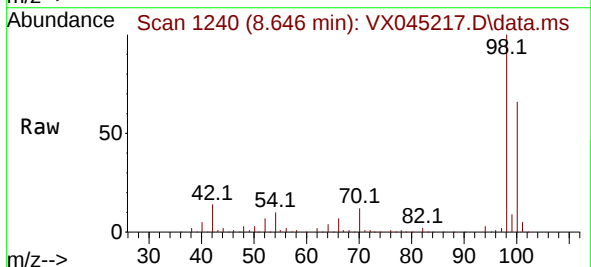
Instrument :
MSVOA_X
ClientSampleId :
IBLK

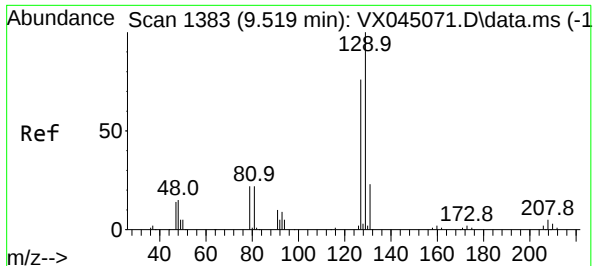
Tgt Ion: 98 Resp: 168222
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.628 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
58 156.9 29.2 43.8#

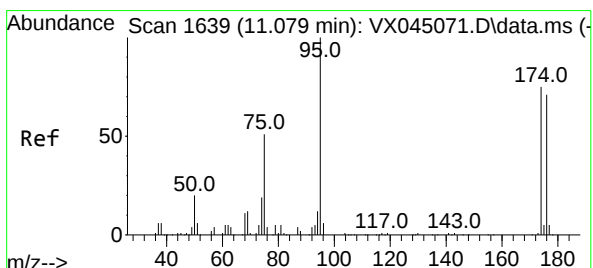
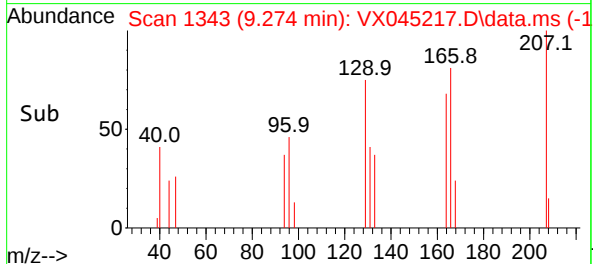
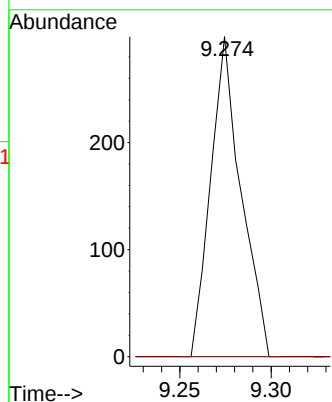
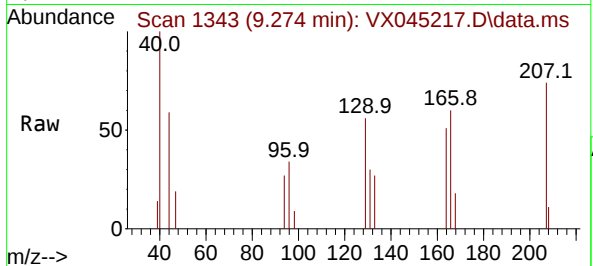




#60
Dibromochloromethane
Concen: 0.347 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

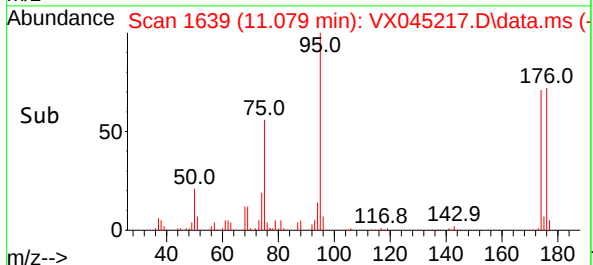
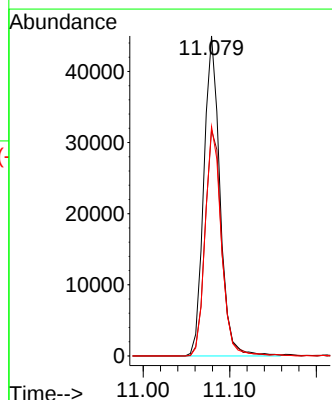
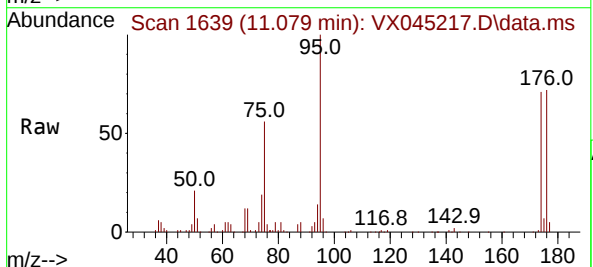
Instrument :
MSVOA_X
ClientSampleId :
IBLK

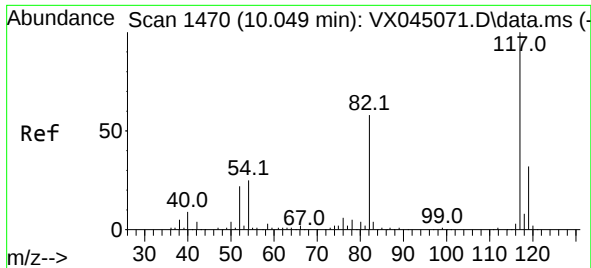
Tgt Ion:129 Resp: 346
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 53.090 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion: 95 Resp: 58156
Ion Ratio Lower Upper
95 100
174 72.9 0.0 148.2
176 71.6 0.0 141.4

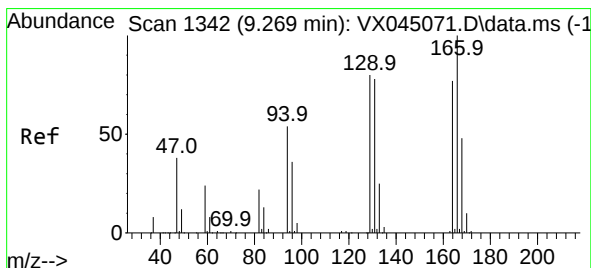
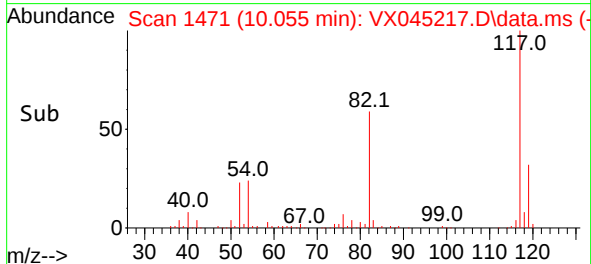
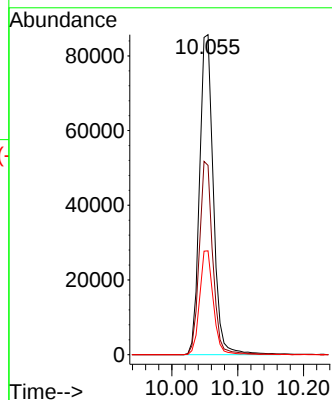
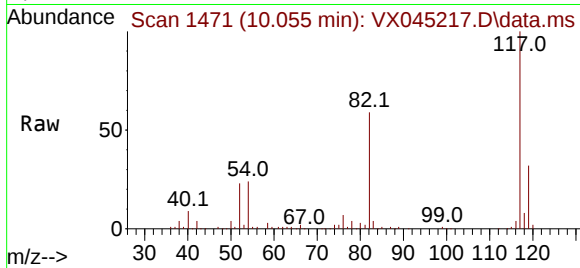




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

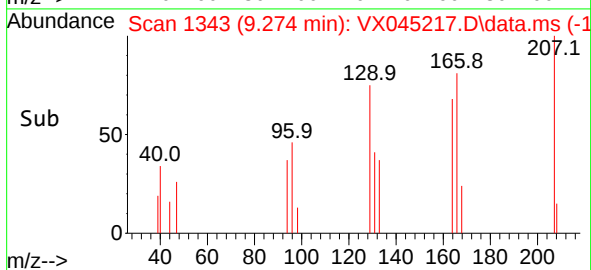
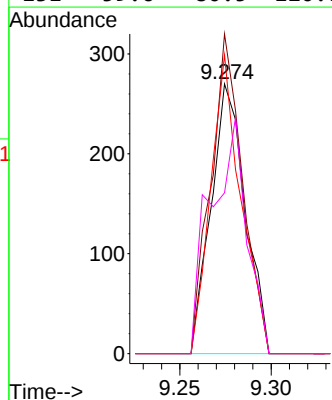
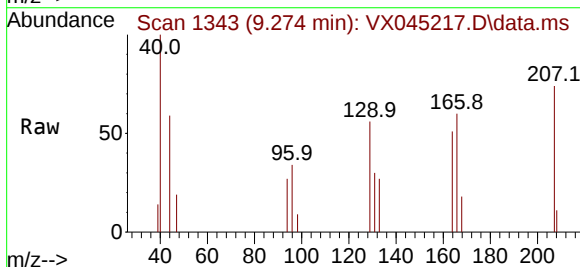
Instrument :
MSVOA_X
ClientSampleId :
IBLK

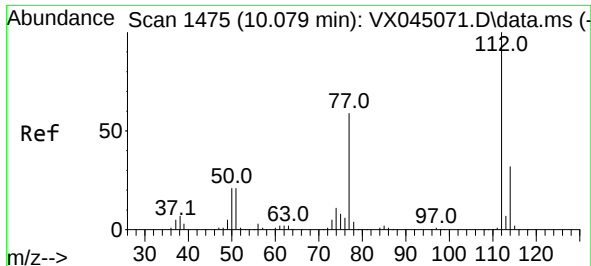
Tgt Ion:117 Resp: 124895
Ion Ratio Lower Upper
117 100
82 59.2 46.3 69.5
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 0.436 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion:164 Resp: 349
Ion Ratio Lower Upper
164 100
166 118.5 103.6 155.4
129 110.7 82.7 124.1
131 59.6 80.5 120.7#

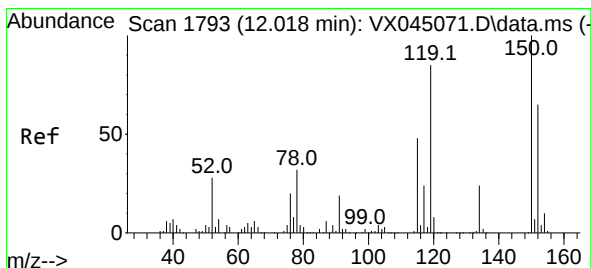
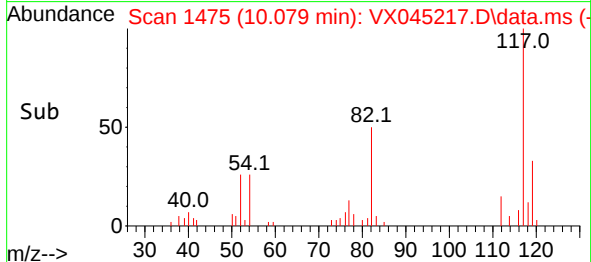
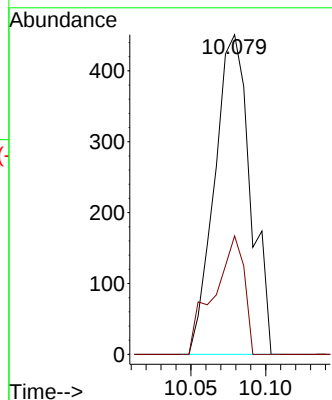
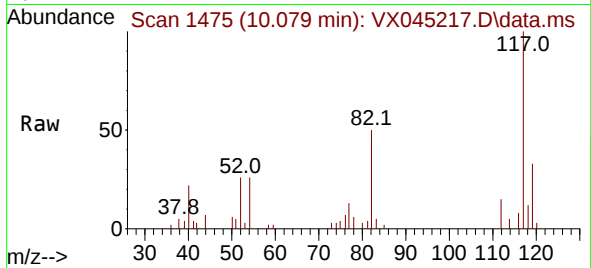




#65
Chlorobenzene
Concen: 0.284 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

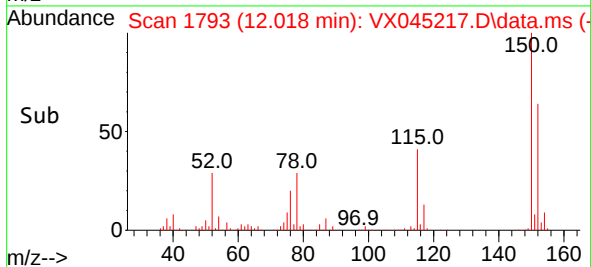
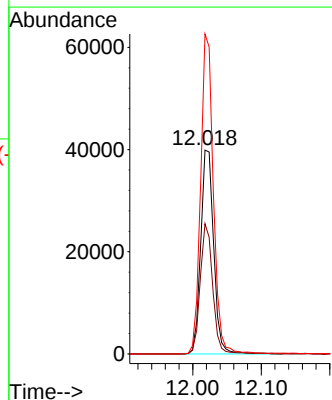
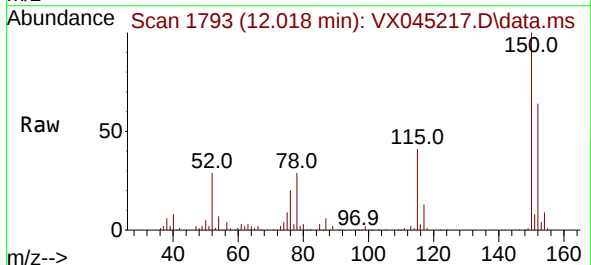
Instrument :
MSVOA_X
ClientSampleId :
IBLK

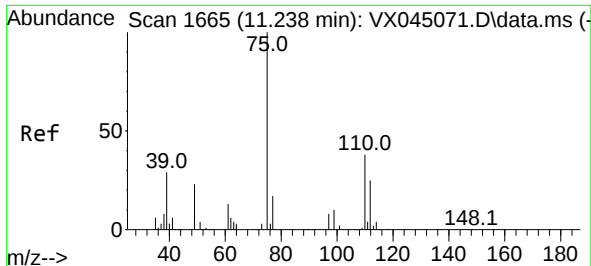
Tgt Ion:112 Resp: 750
Ion Ratio Lower Upper
112 100
114 37.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion:152 Resp: 52843
Ion Ratio Lower Upper
152 100
115 61.2 44.2 132.6
150 153.4 0.0 349.0

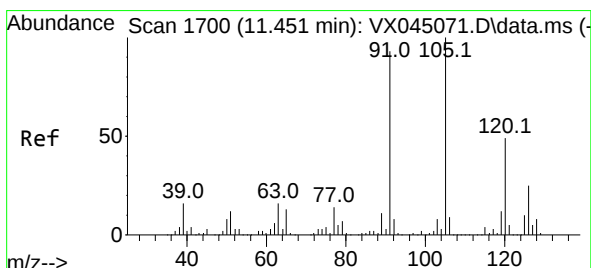
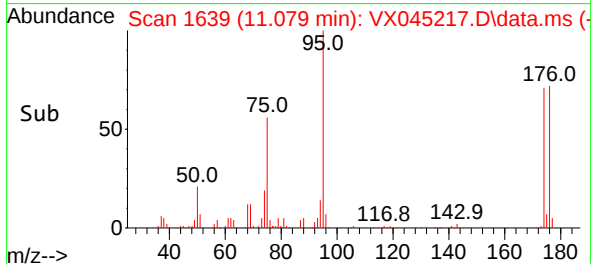
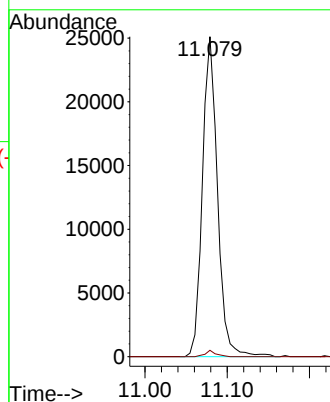
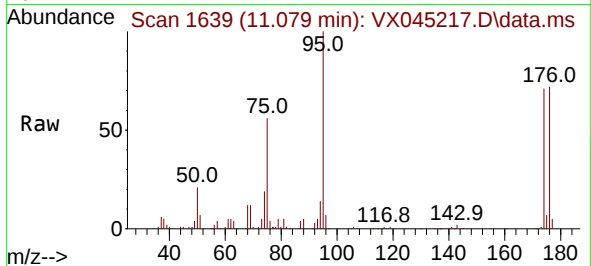




#76
1,2,3-Trichloropropane
Concen: 26.011 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.159 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

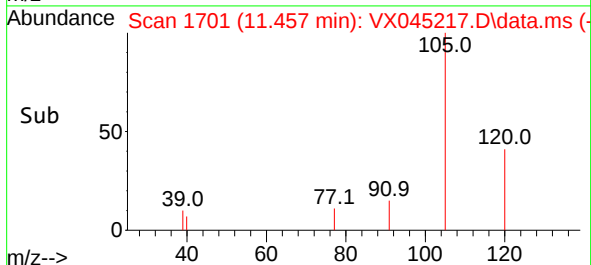
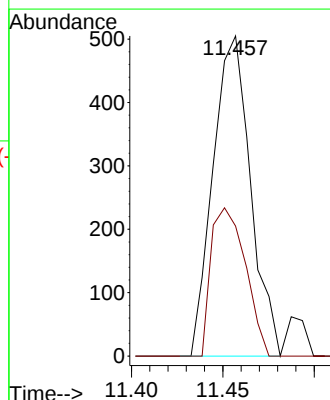
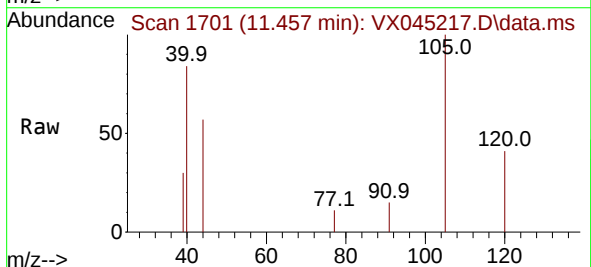
Instrument :
MSVOA_X
ClientSampleId :
IBLK

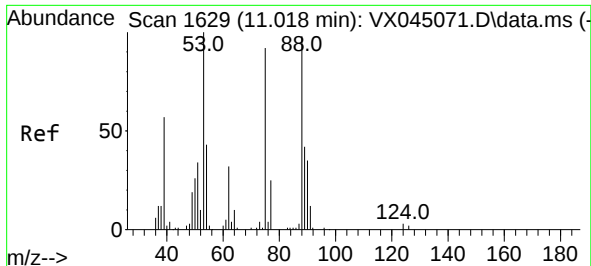
Tgt Ion: 75 Resp: 31992
Ion Ratio Lower Upper
75 100
77 1.4 20.7 62.1#



#80
1,3,5-Trimethylbenzene
Concen: 0.216 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion: 105 Resp: 722
Ion Ratio Lower Upper
105 100
120 42.4 24.1 72.2

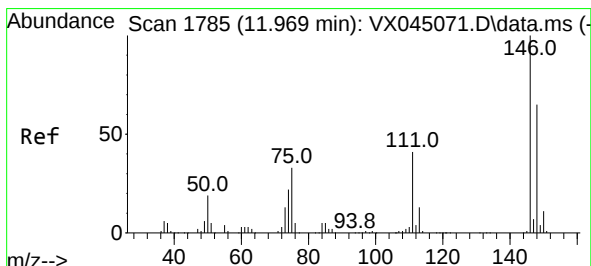
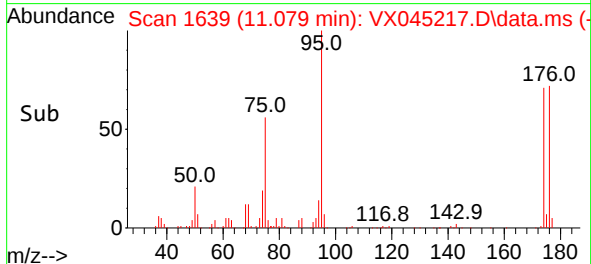
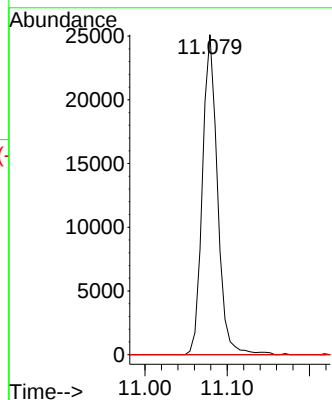
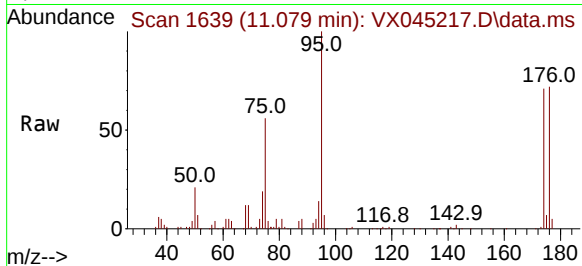




#81
trans-1,4-Dichloro-2-butene
Concen: 89.016 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

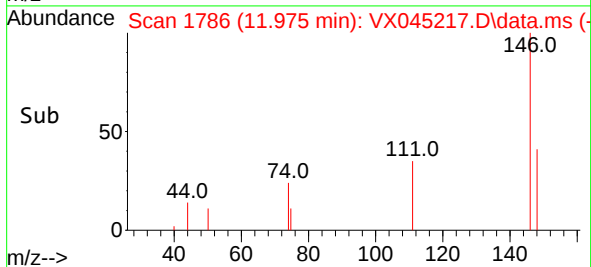
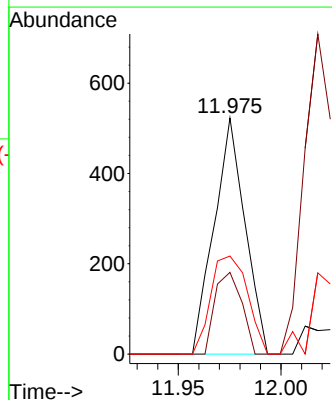
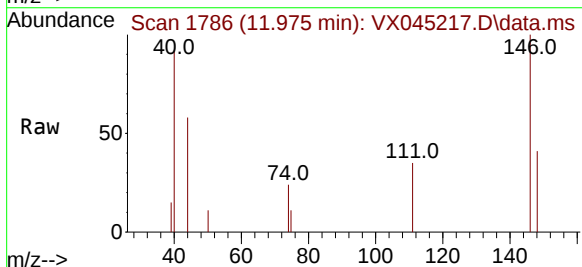
Instrument :
MSVOA_X
ClientSampleId :
IBLK

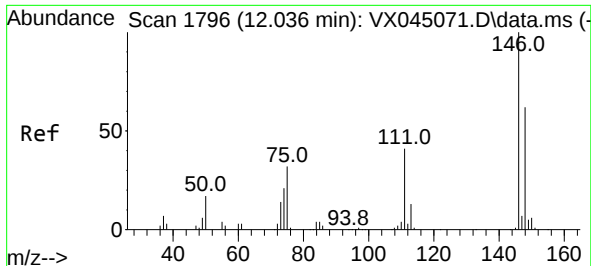
Tgt Ion: 75 Resp: 31992
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#87
1,3-Dichlorobenzene
Concen: 0.315 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

Tgt Ion: 146 Resp: 547
Ion Ratio Lower Upper
146 100
111 30.0 21.1 63.4
148 49.5 31.9 95.7

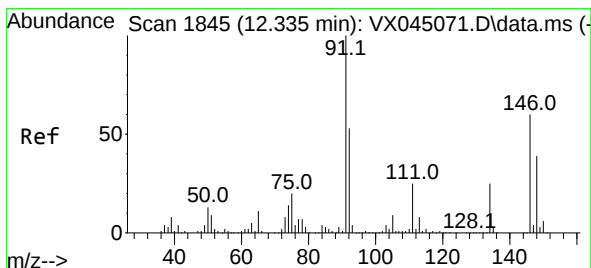
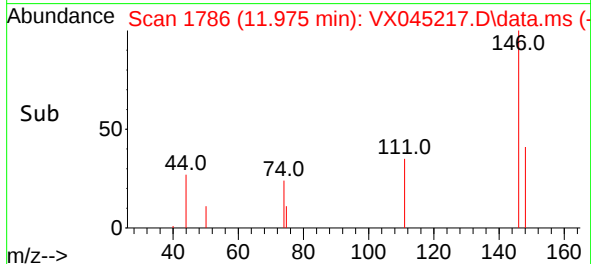
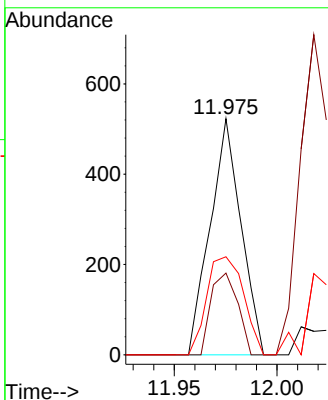
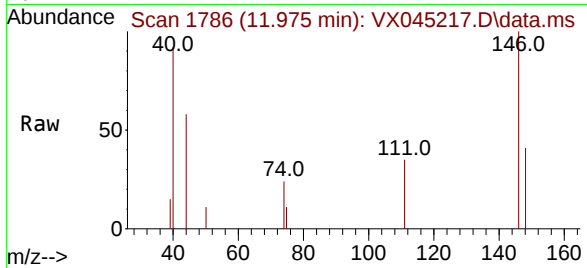




#88
1,4-Dichlorobenzene
Concen: 0.311 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.061 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

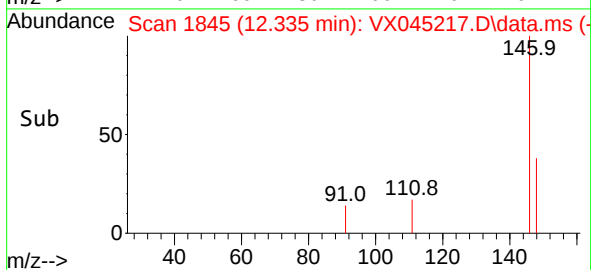
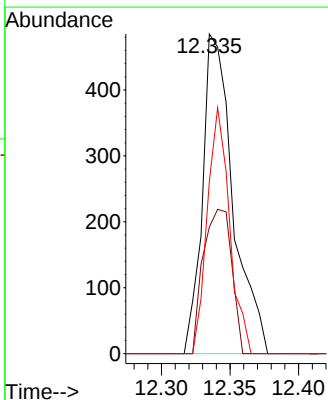
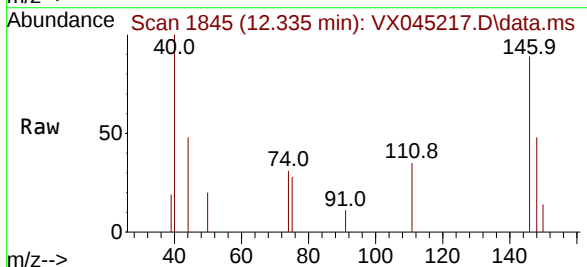
Instrument :
MSVOA_X
ClientSampleId :
IBLK

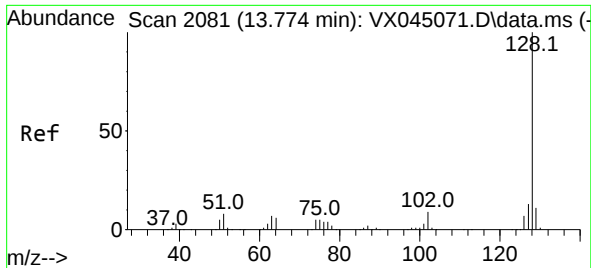
Tgt Ion:146 Resp: 547
Ion Ratio Lower Upper
146 100
111 30.0 20.2 60.5
148 49.5 31.9 95.9



#91
1,2-Dichlorobenzene
Concen: 0.431 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045217.D
Acq: 11 Mar 2025 12:27

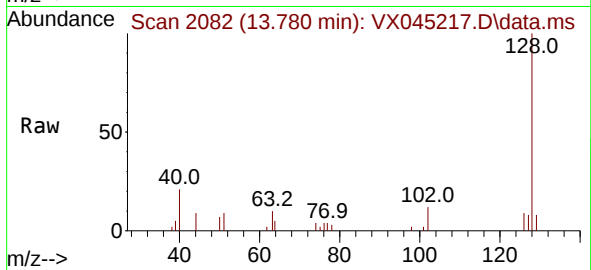
Tgt Ion:146 Resp: 751
Ion Ratio Lower Upper
146 100
111 41.9 21.6 65.0
148 55.9 31.9 95.9





#95
 Naphthalene
 Concen: 1.208 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX045217.D
 Acq: 11 Mar 2025 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	128	Resp:	4604
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.3	15.5
129	9.5	8.7	13.1

