

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045110.D
 Acq On : 03 Mar 2025 14:09
 Operator : JC/MD
 Sample : Q1478-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-616-022825

Quant Time: Mar 04 05:23:22 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)

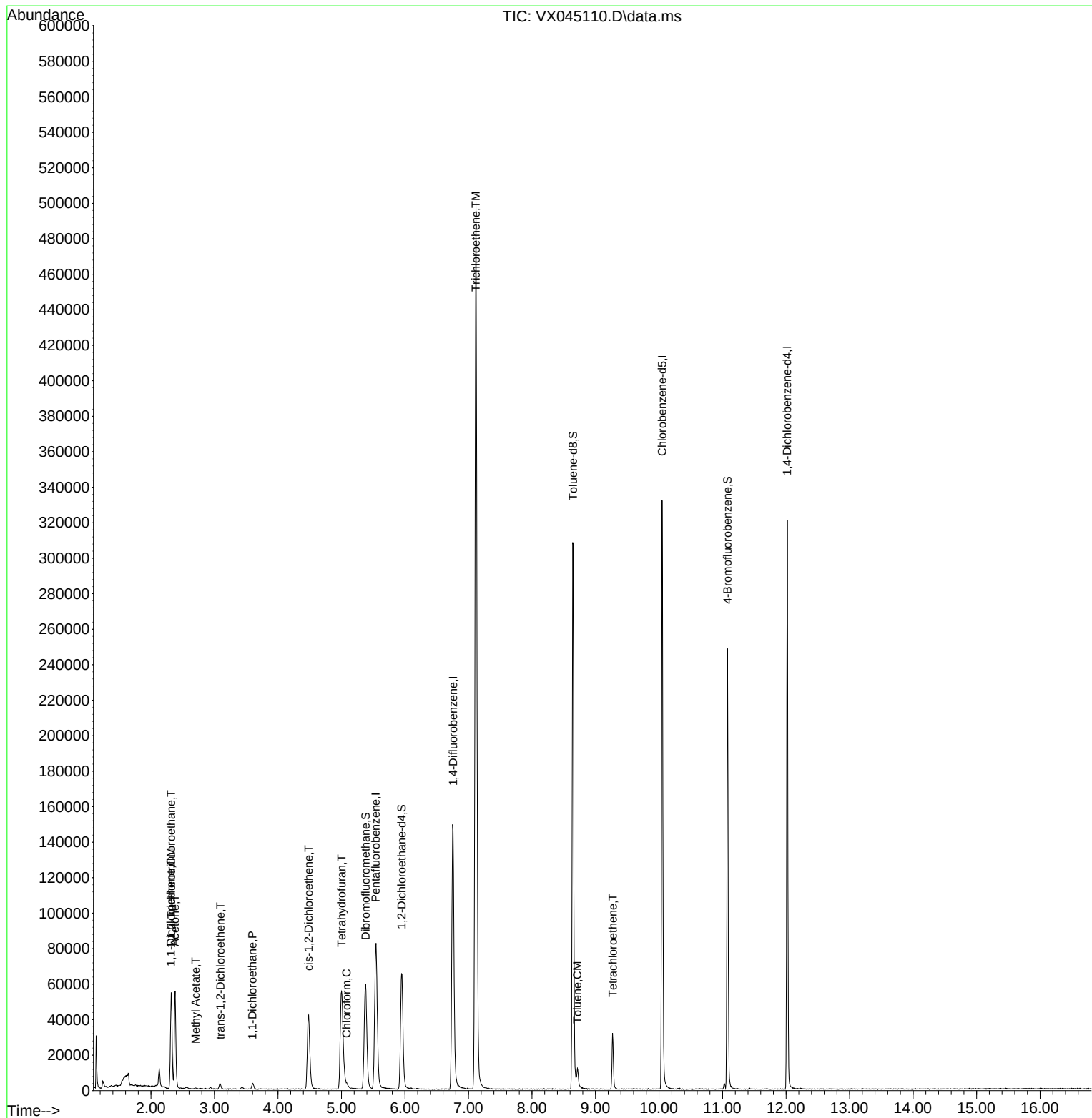
Internal Standards						
1) Pentafluorobenzene	5.537	168	77986	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	153844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	62957	50.752	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.500%	
35) Dibromofluoromethane	5.379	113	52933	51.455	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.920%	
50) Toluene-d8	8.647	98	195171	52.332	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.660%	
62) 4-Bromofluorobenzene	11.079	95	67039	54.246	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.500%	
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	20109	22.186	ug/l	98
12) 1,1-Dichloroethene	2.312	96	1235	1.289	ug/l #	74
16) Acetone	2.380	43	59672	103.679	ug/l	100
18) Methyl Acetate	2.703	43	798	0.576	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	1486	1.570	ug/l #	75
24) 1,1-Dichloroethane	3.599	63	3500	1.800	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	26409	22.597	ug/l	92
29) Tetrahydrofuran	5.001	42	59391	102.083	ug/l	97
30) Chloroform	5.080	83	1268	0.656	ug/l	88
44) Trichloroethene	7.117	130	181471	173.481	ug/l	99
52) Toluene	8.714	92	3847	1.472	ug/l	98
64) Tetrachloroethene	9.275	164	5940	6.461	ug/l	87

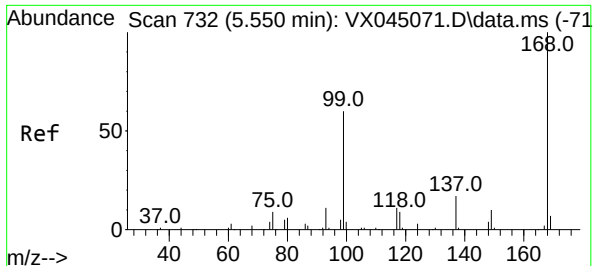
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

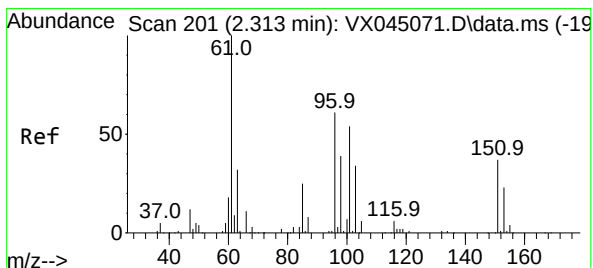
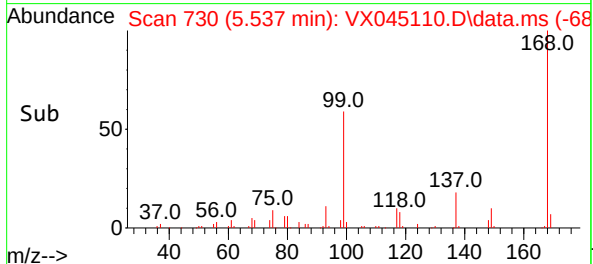
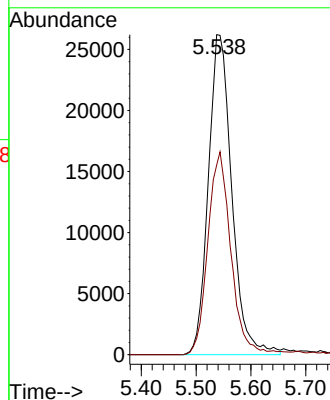
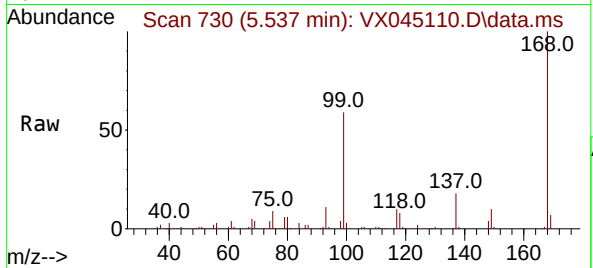




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

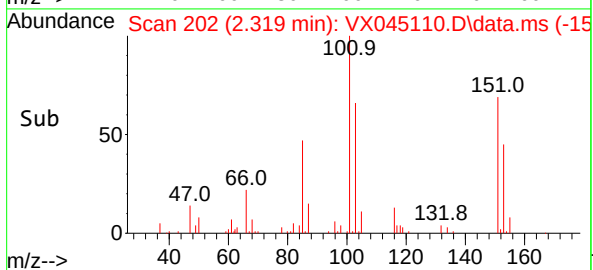
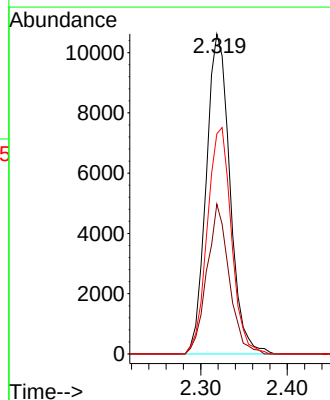
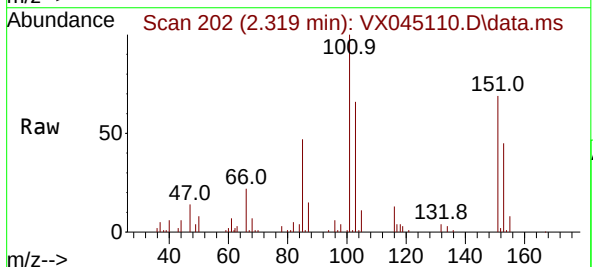
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825

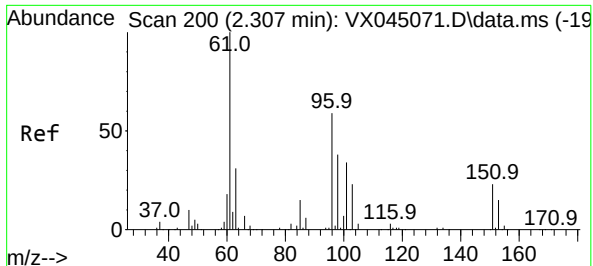
Tgt Ion:168 Resp: 77986
Ion Ratio Lower Upper
168 100
99 59.2 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.186 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

Tgt Ion:101 Resp: 20109
Ion Ratio Lower Upper
101 100
85 44.2 36.2 54.4
151 72.2 56.4 84.6





#12

1,1-Dichloroethene

Concen: 1.289 ug/l

RT: 2.312 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825

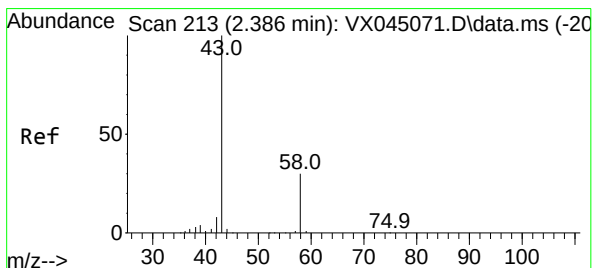
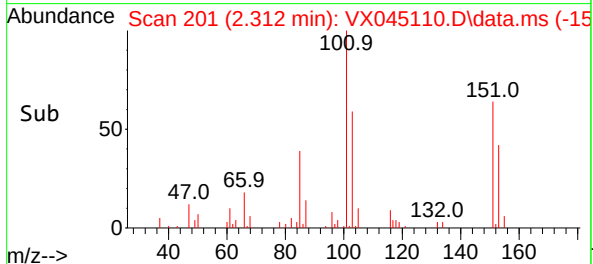
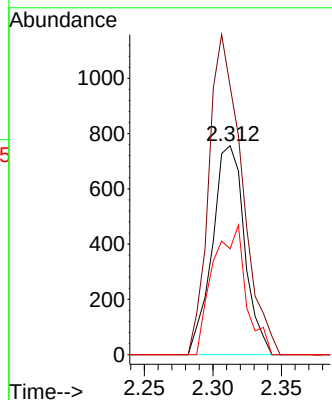
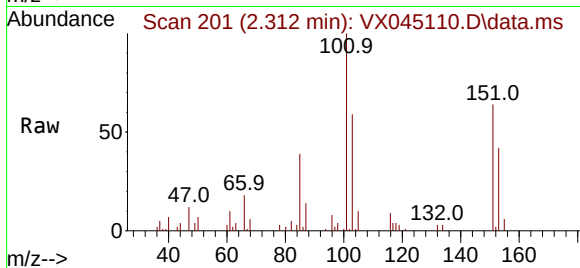
Tgt Ion: 96 Resp: 1235

Ion Ratio Lower Upper

96 100

61 128.4 134.6 202.0#

98 50.7 51.0 76.6#



#16

Acetone

Concen: 103.679 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045110.D

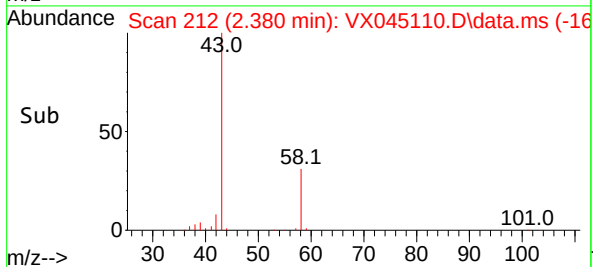
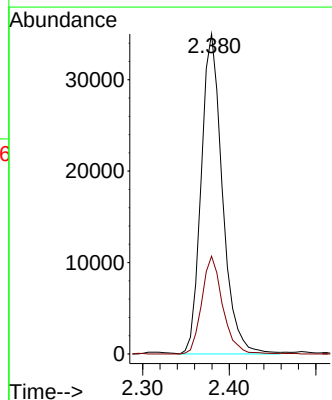
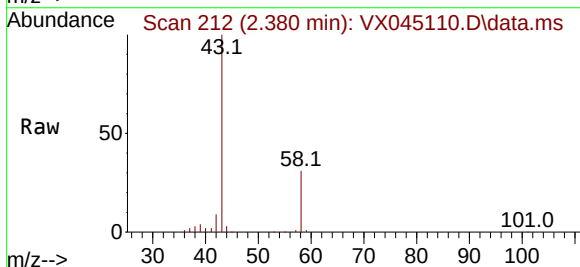
Acq: 03 Mar 2025 14:09

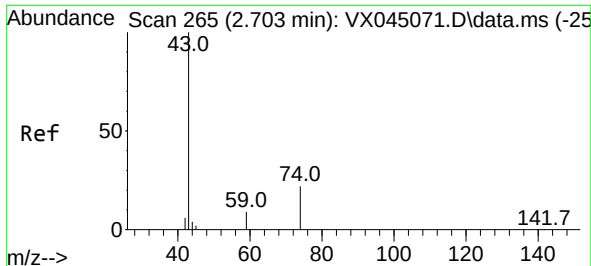
Tgt Ion: 43 Resp: 59672

Ion Ratio Lower Upper

43 100

58 30.5 24.2 36.4

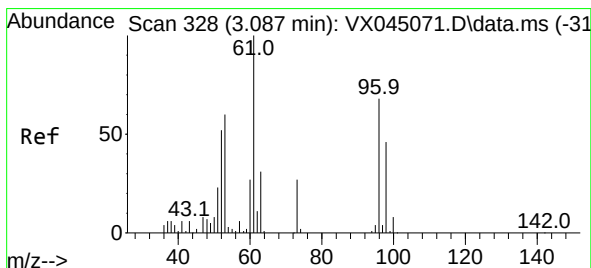
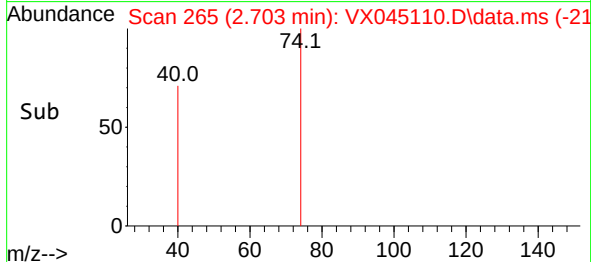
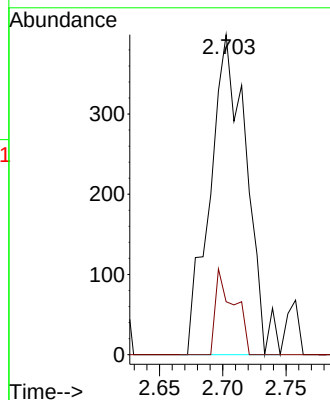
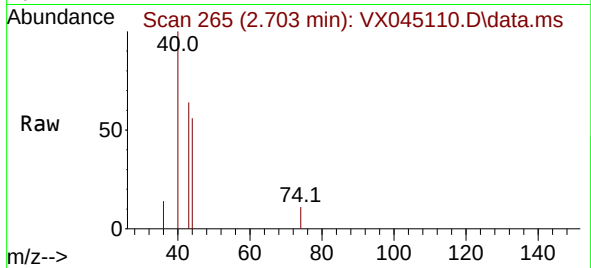




#18
Methyl Acetate
Concen: 0.576 ug/l
RT: 2.703 min Scan# 210
Delta R.T. -0.000 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

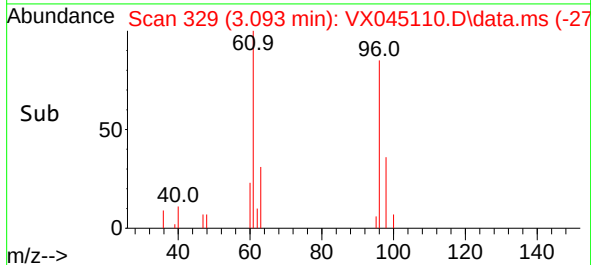
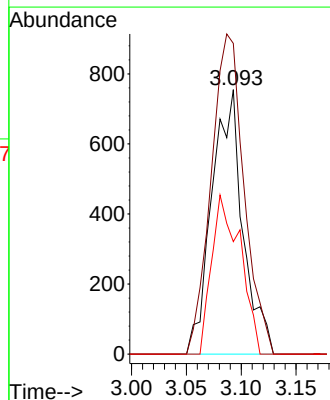
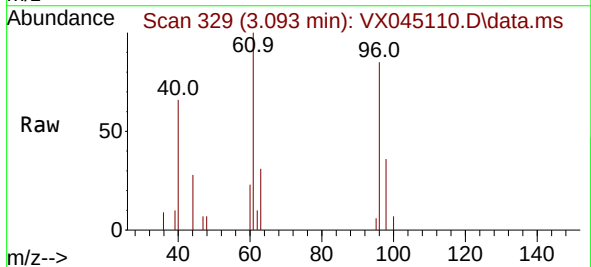
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825

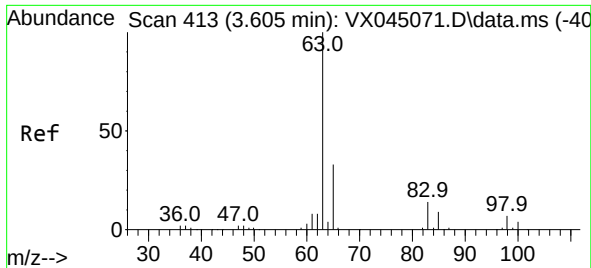
Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
74 13.8 17.4 26.2#



#21
trans-1,2-Dichloroethene
Concen: 1.570 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

Tgt Ion: 96 Resp: 1486
Ion Ratio Lower Upper
96 100
61 117.5 117.0 175.4
98 42.5 53.4 80.2#

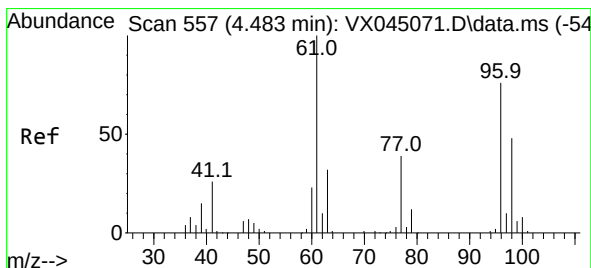
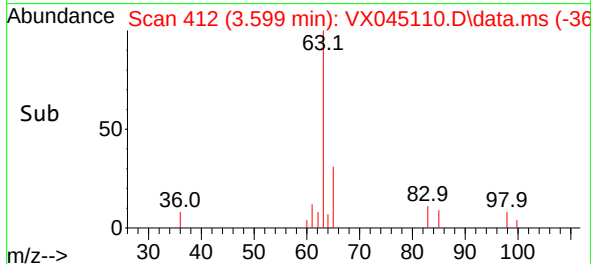
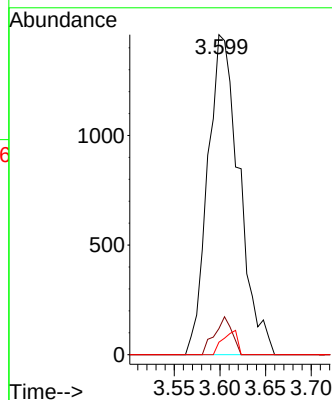
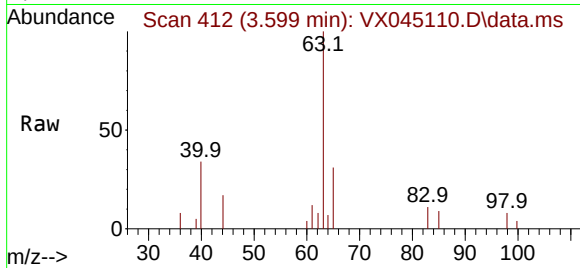




#24
 1,1-Dichloroethane
 Concen: 1.800 ug/l
 RT: 3.599 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX045110.D
 Acq: 03 Mar 2025 14:09

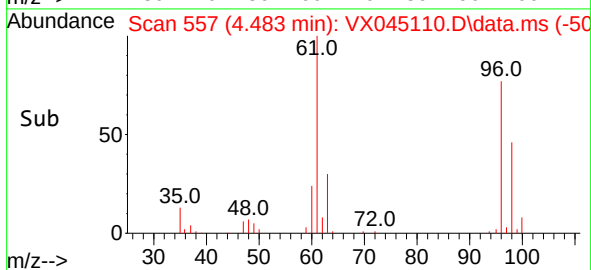
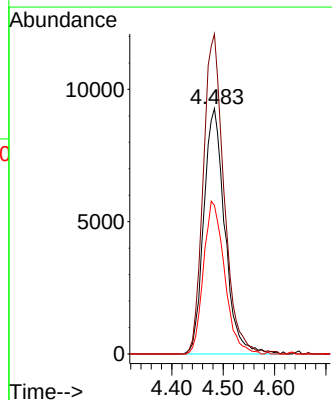
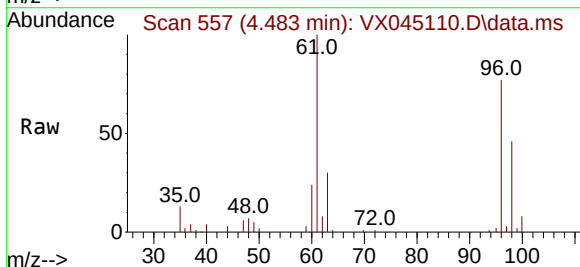
Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-616-022825

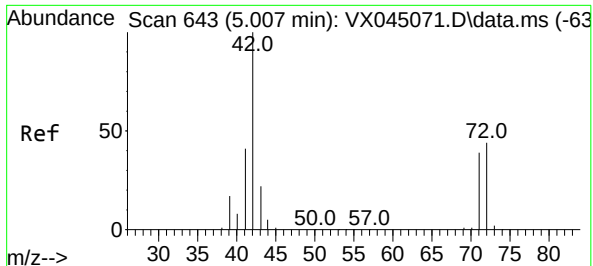
Tgt Ion: 63	Resp:	3500
Ion Ratio	Lower	Upper
63	100	
98	8.2	3.4 10.2
100	3.9	2.1 6.5



#27
 cis-1,2-Dichloroethene
 Concen: 22.597 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.000 min
 Lab File: VX045110.D
 Acq: 03 Mar 2025 14:09

Tgt Ion: 96	Resp:	26409
Ion Ratio	Lower	Upper
96	100	
61	128.8	0.0 283.2
98	62.1	0.0 128.0





#29

Tetrahydrofuran

Concen: 102.083 ug/l

RT: 5.001 min Scan# 643

Delta R.T. -0.006 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825

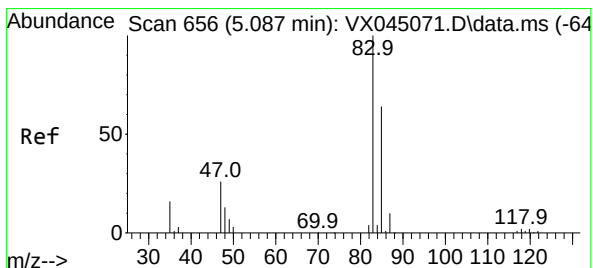
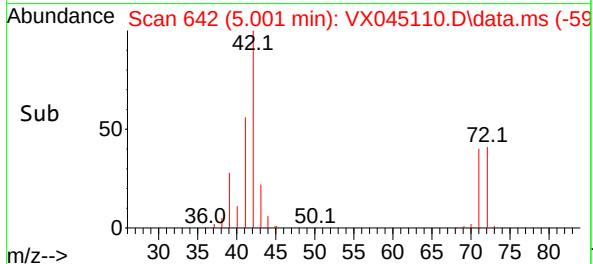
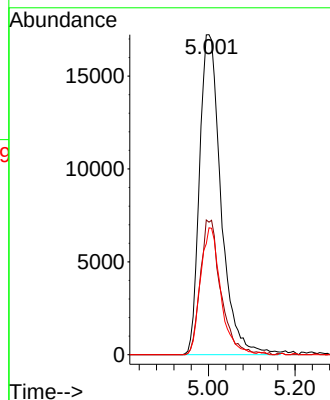
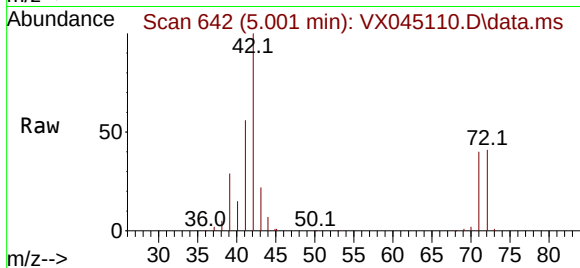
Tgt Ion: 42 Resp: 59391

Ion Ratio Lower Upper

42 100

72 40.4 34.1 51.1

71 37.5 31.4 47.0



#30

Chloroform

Concen: 0.656 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX045110.D

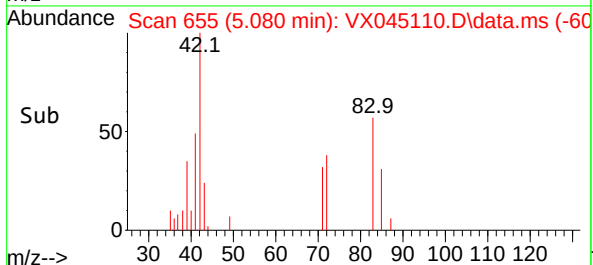
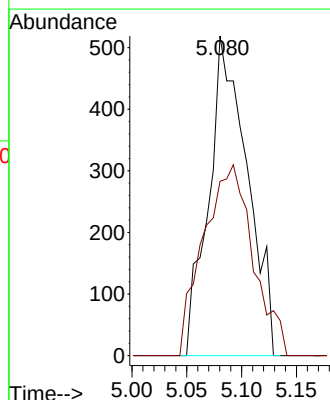
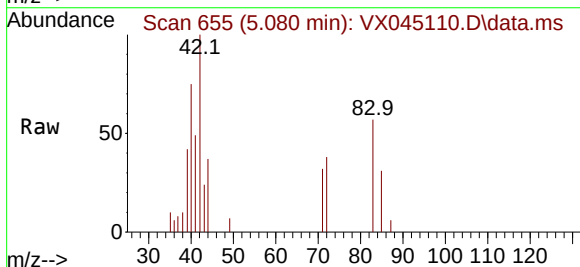
Acq: 03 Mar 2025 14:09

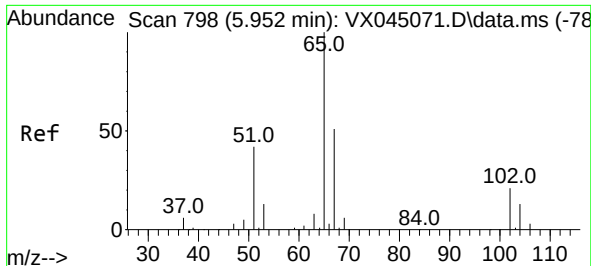
Tgt Ion: 83 Resp: 1268

Ion Ratio Lower Upper

83 100

85 54.5 51.4 77.2

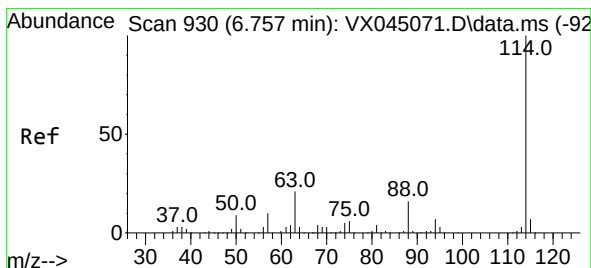
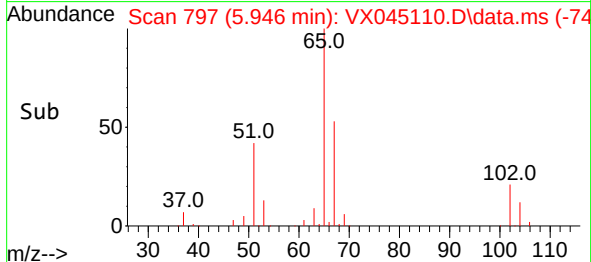
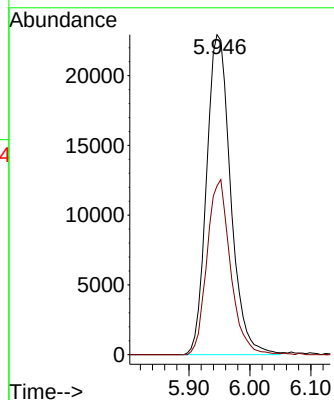
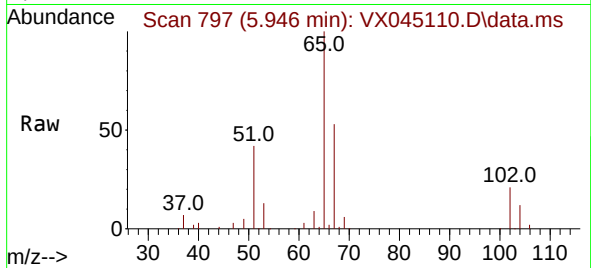




#33
 1,2-Dichloroethane-d4
 Concen: 50.752 ug/l
 RT: 5.946 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX045110.D
 Acq: 03 Mar 2025 14:09

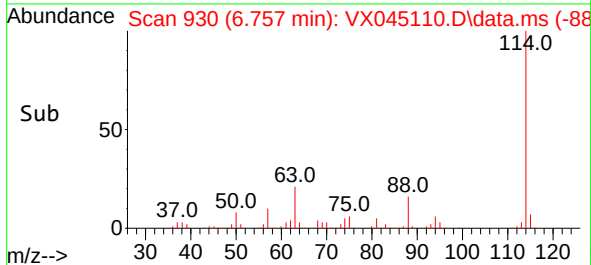
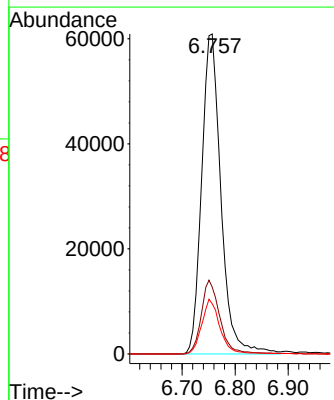
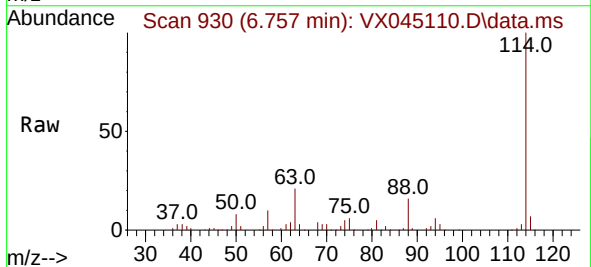
Instrument : MSVOA_X
 ClientSampleId : IDW-AQ-DRUM-616-022825

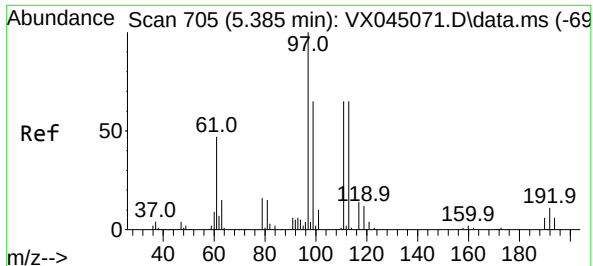
Tgt Ion: 65 Resp: 62957
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045110.D
 Acq: 03 Mar 2025 14:09

Tgt Ion: 114 Resp: 153844
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.8
 88 15.7 0.0 32.8

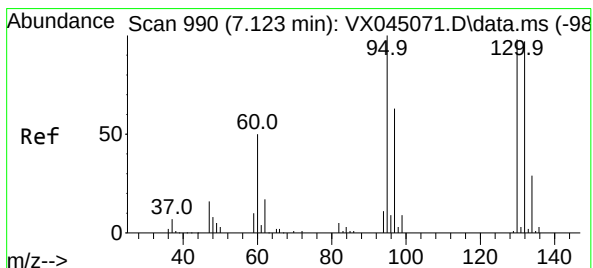
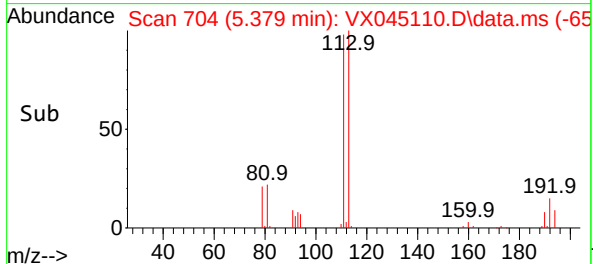
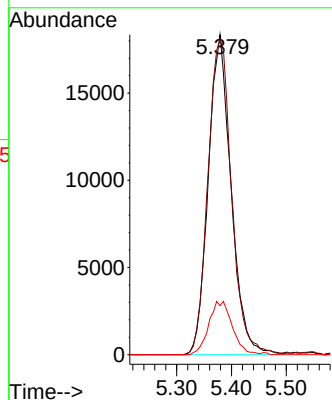
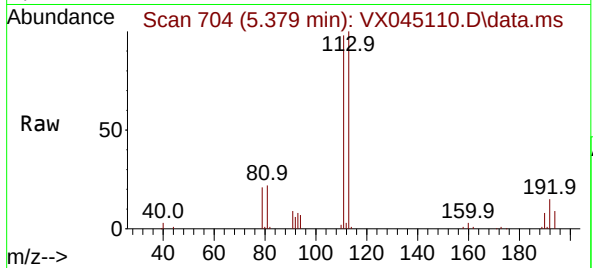




#35
Dibromofluoromethane
Concen: 51.455 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

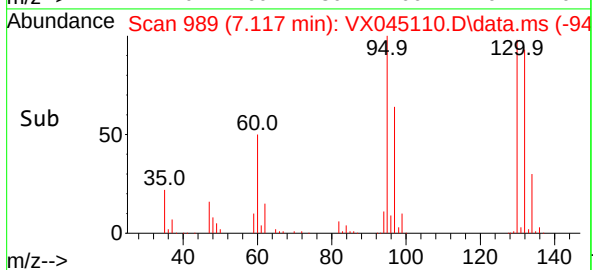
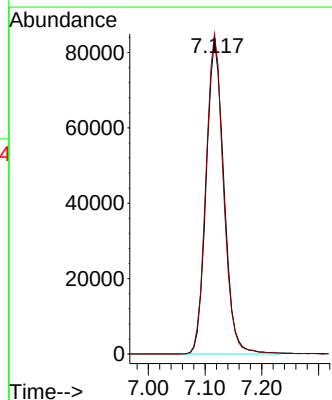
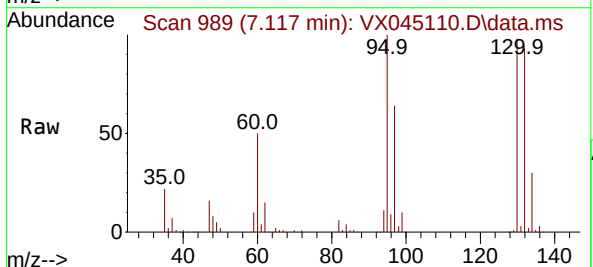
Instrument :
MSVOA_X
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IDW-AQ-DRUM-616-022825

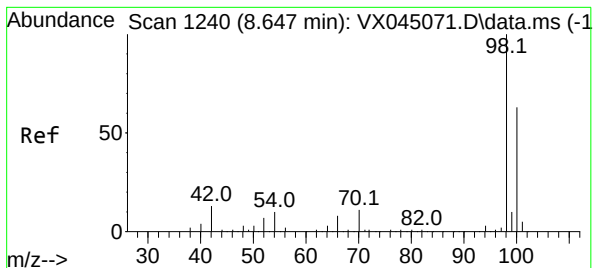
Tgt Ion:113 Resp: 52933
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 17.2 14.3 21.5



#44
Trichloroethene
Concen: 173.481 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

Tgt Ion:130 Resp: 181471
Ion Ratio Lower Upper
130 100
95 101.5 0.0 205.0





#50

Toluene-d8

Concen: 52.332 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

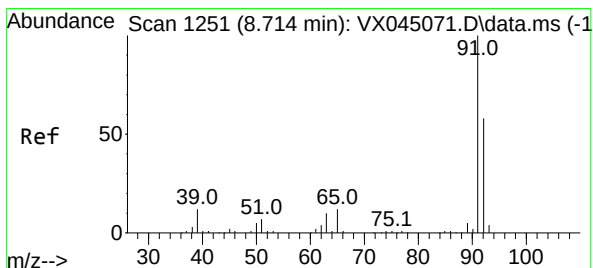
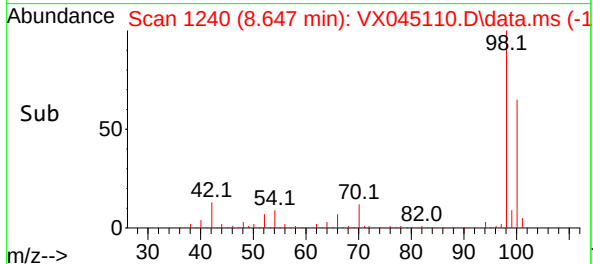
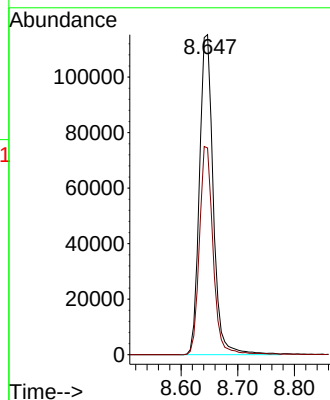
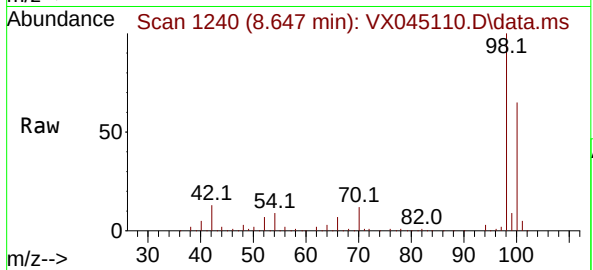
IDW-AQ-DRUM-616-022825

Tgt Ion: 98 Resp: 195171

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#52

Toluene

Concen: 1.472 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX045110.D

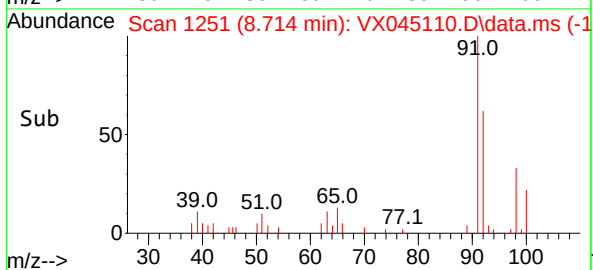
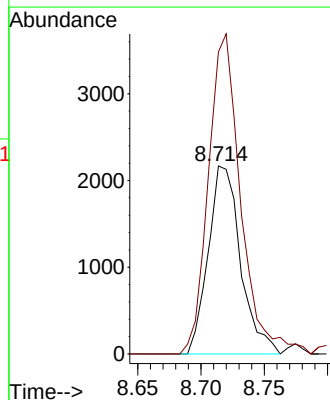
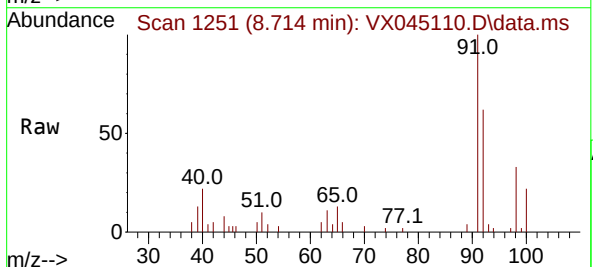
Acq: 03 Mar 2025 14:09

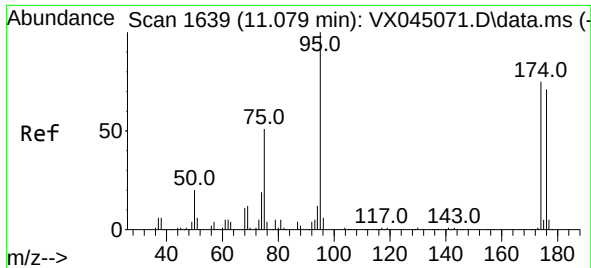
Tgt Ion: 92 Resp: 3847

Ion Ratio Lower Upper

92 100

91 170.6 138.9 208.3

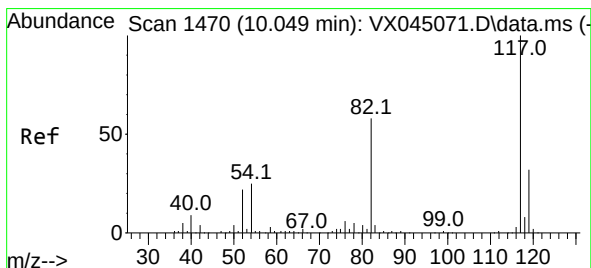
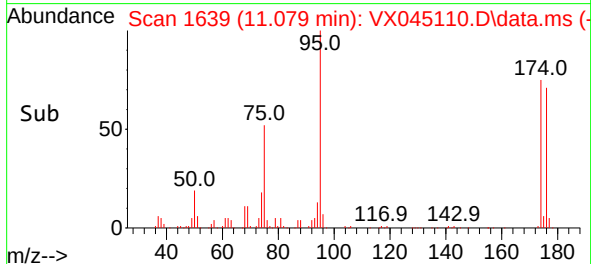
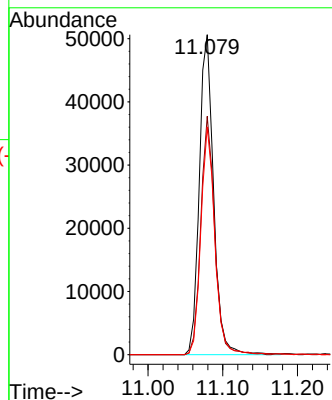
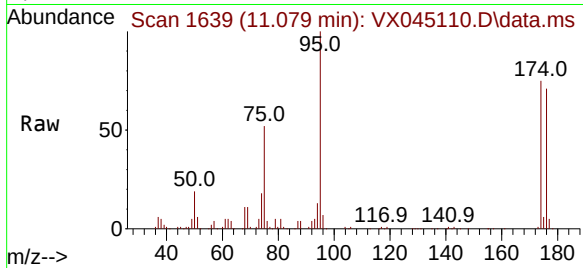




#62
4-Bromofluorobenzene
Concen: 54.246 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

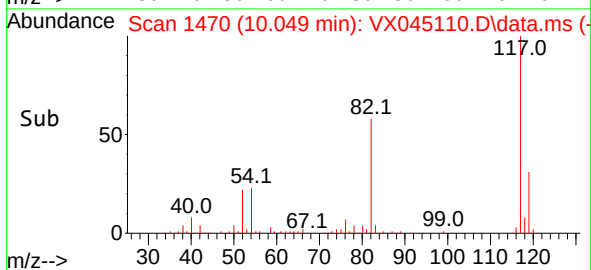
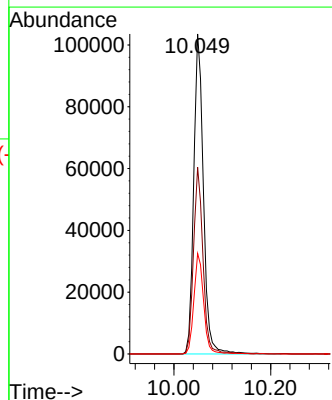
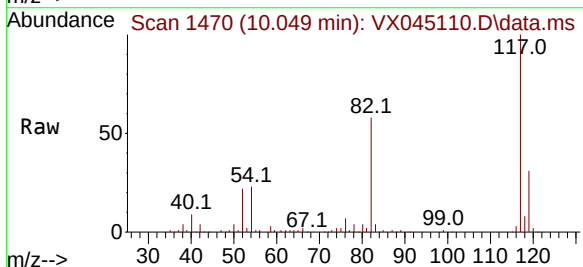
Instrument : MSVOA_X
ClientSampleId : IDW-AQ-DRUM-616-022825

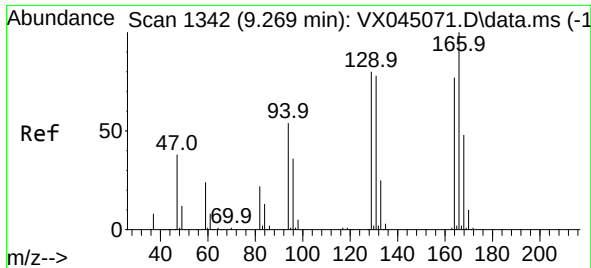
Tgt Ion: 95 Resp: 67039
Ion Ratio Lower Upper
95 100
174 72.9 0.0 148.2
176 70.1 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

Tgt Ion: 117 Resp: 143555
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 31.4 25.7 38.5





#64

Tetrachloroethene

Concen: 6.461 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825

Tgt Ion:164 Resp: 5940

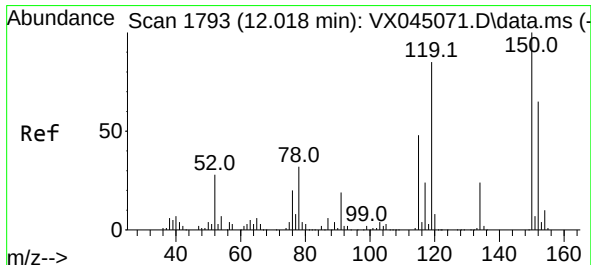
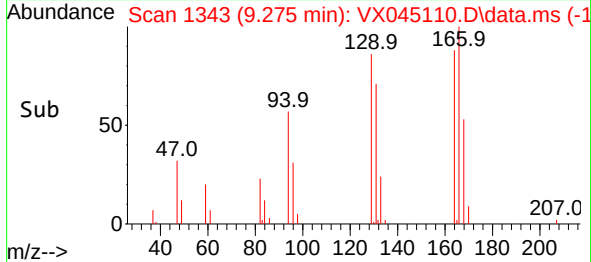
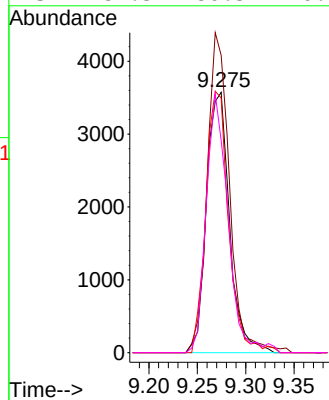
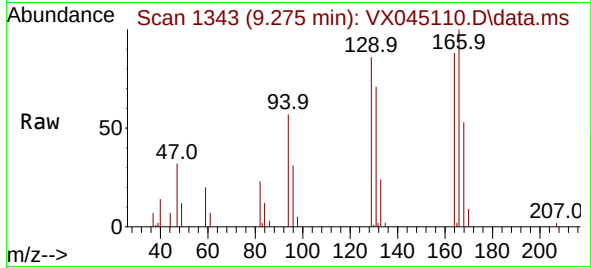
Ion Ratio Lower Upper

164 100

166 114.2 103.6 155.4

129 97.8 82.7 124.1

131 81.5 80.5 120.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Tgt Ion:152 Resp: 60766

Ion Ratio Lower Upper

152 100

115 61.4 44.2 132.6

150 159.2 0.0 349.0

