

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045145.D
 Acq On : 05 Mar 2025 16:19
 Operator : JC/MD
 Sample : Q1478-08 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-612-022825

Quant Time: Mar 06 01:08:54 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)

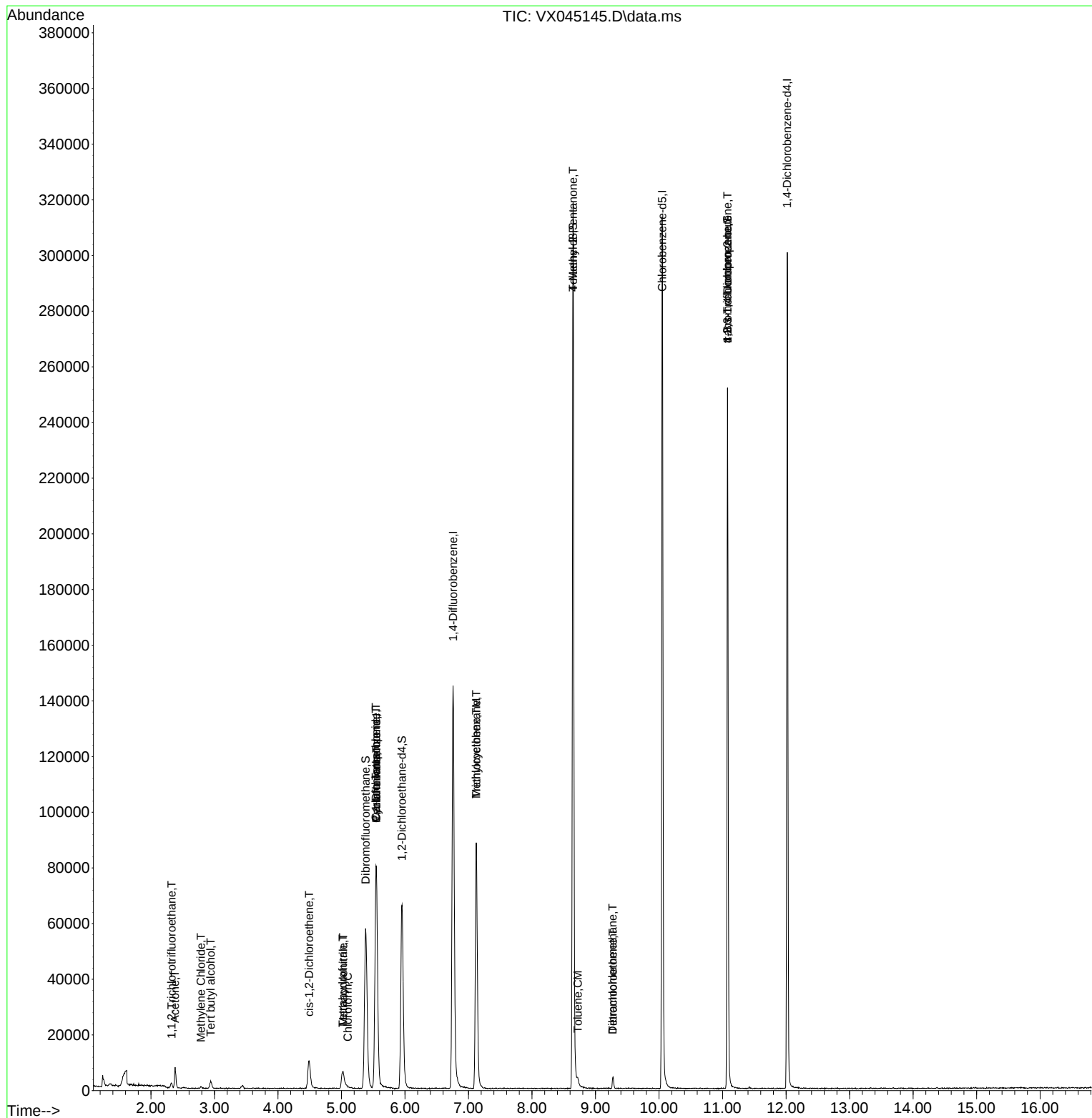
Internal Standards						
1) Pentafluorobenzene	5.550	168	74500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62945	53.117	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.240%	
35) Dibromofluoromethane	5.379	113	49989	49.898	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.800%	
50) Toluene-d8	8.647	98	187752	51.695	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.380%	
62) 4-Bromofluorobenzene	11.079	95	65043	54.044	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.080%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	683	0.789	ug/l	95
11) Tert butyl alcohol	2.941	59	1556	6.932	ug/l #	73
16) Acetone	2.380	43	7749	14.094	ug/l	93
20) Methylene Chloride	2.788	84	301	0.276	ug/l #	75
27) cis-1,2-Dichloroethene	4.489	96	6839	6.126	ug/l	92
29) Tetrahydrofuran	5.019	42	6390	11.497	ug/l	97
30) Chloroform	5.099	83	386	0.209	ug/l #	18
31) Cyclohexane	5.550	56	1831	1.136	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6913	5.032	ug/l #	52
38) Carbon Tetrachloride	5.544	117	8366	5.998	ug/l #	15
39) Methylcyclohexane	7.123	83	416	0.253	ug/l #	1
41) Methacrylonitrile	5.026	41	4018	4.197	ug/l #	50
44) Trichloroethene	7.123	130	34661	34.025	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	972	0.553	ug/l #	1
52) Toluene	8.720	92	785	0.308	ug/l	88
60) Dibromochloromethane	9.269	129	908	0.829	ug/l #	11
64) Tetrachloroethene	9.275	164	873	0.975	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	35039	25.289	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35039	86.545	ug/l #	6

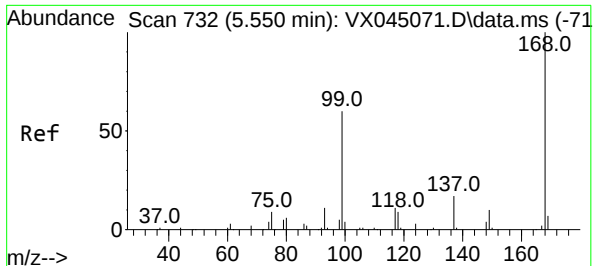
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 28 06:45:16 2025
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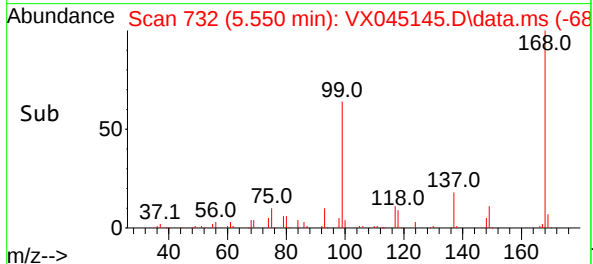
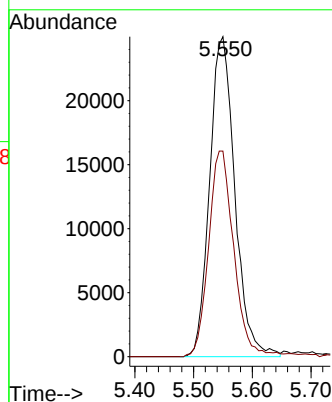
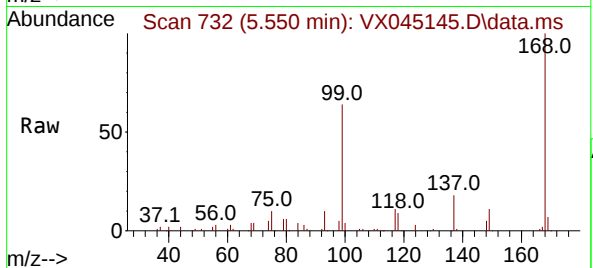




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

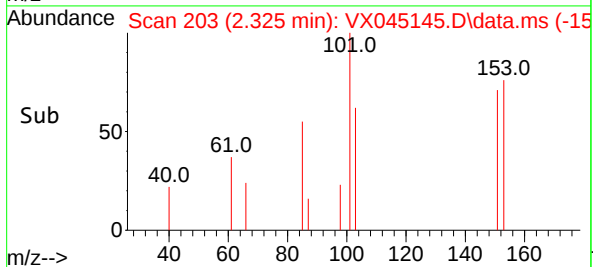
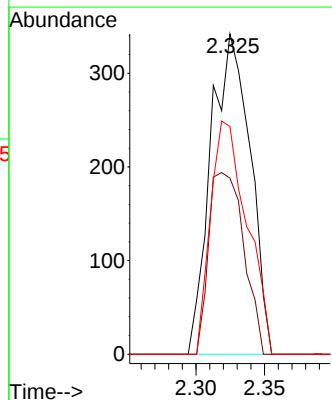
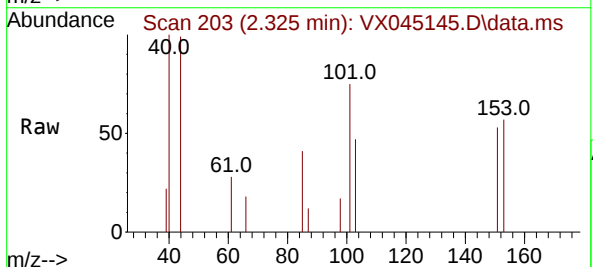
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

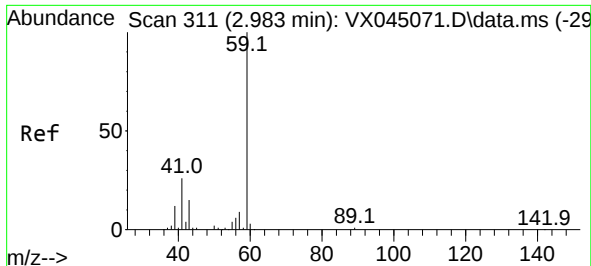
Tgt Ion:168 Resp: 74500
Ion Ratio Lower Upper
168 100
99 64.2 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.789 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion:101 Resp: 683
Ion Ratio Lower Upper
101 100
85 50.7 36.2 54.4
151 67.6 56.4 84.6

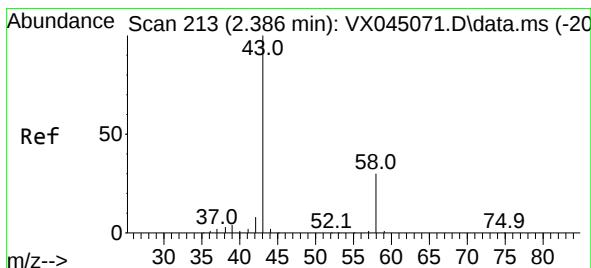
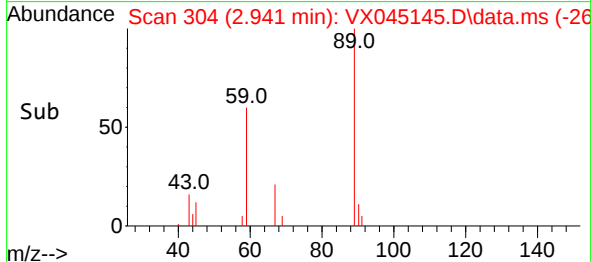
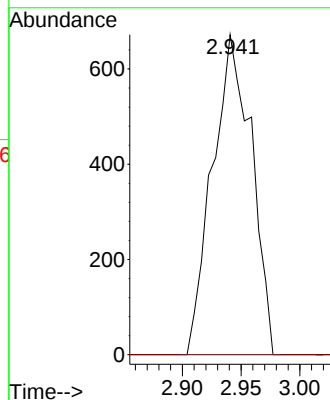
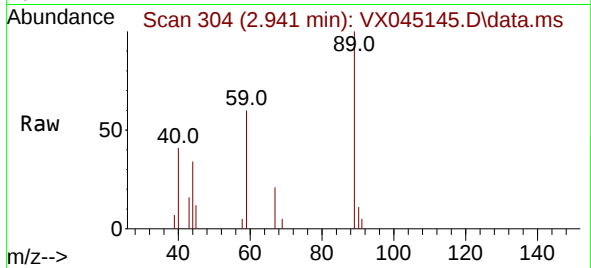




#11
Tert butyl alcohol
Concen: 6.932 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

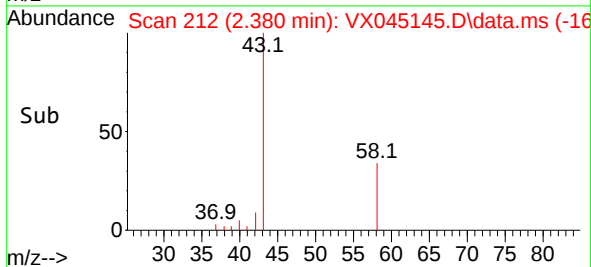
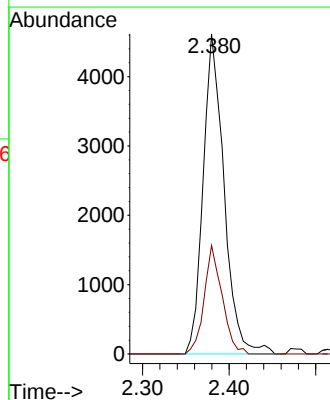
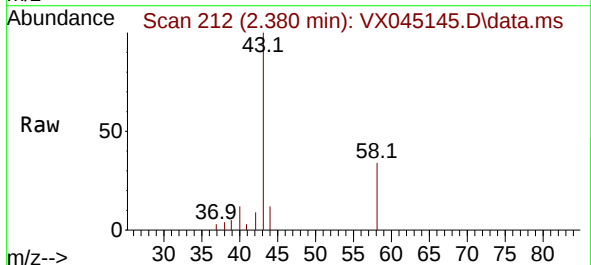
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

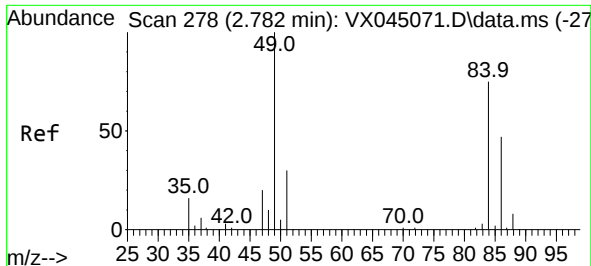
Tgt Ion: 59 Resp: 1556
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 14.094 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion: 43 Resp: 7749
Ion Ratio Lower Upper
43 100
58 33.9 24.2 36.4

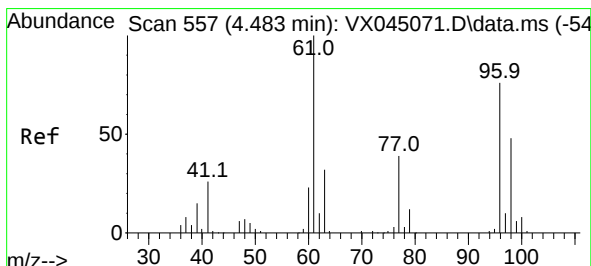
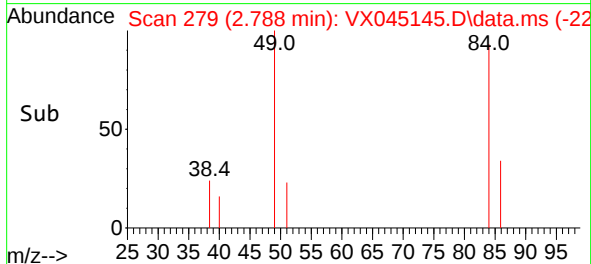
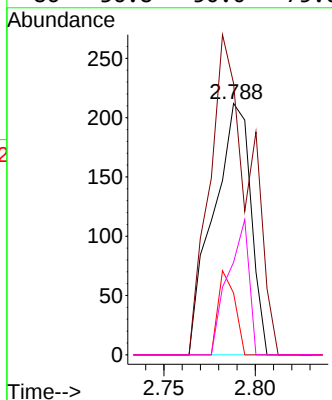
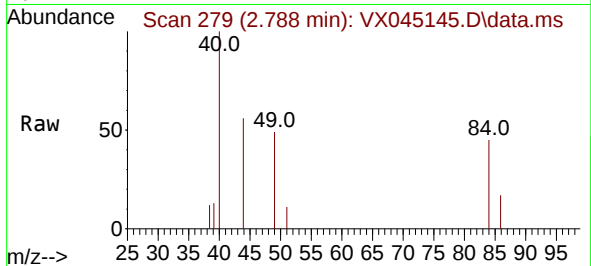




#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

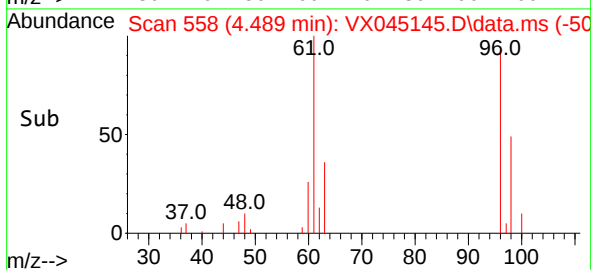
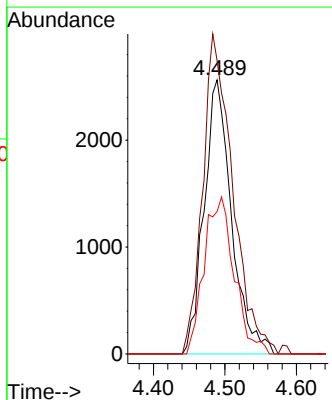
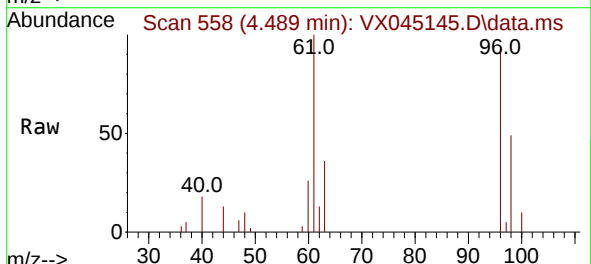
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

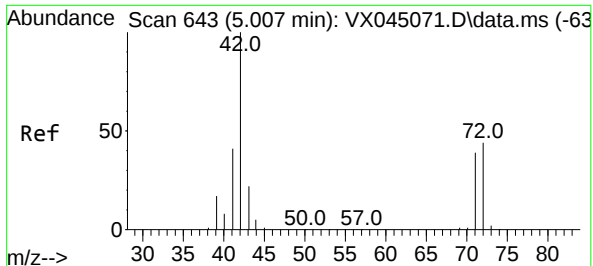
Tgt Ion:	84	Resp:	301
Ion	Ratio	Lower	Upper
84	100		
49	108.0	106.5	159.7
51	24.5	32.1	48.1#
86	36.8	50.0	75.0#



#27
cis-1,2-Dichloroethene
Concen: 6.126 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion:	96	Resp:	6839
Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	283.2
98	62.7	0.0	128.0





#29

Tetrahydrofuran

Concen: 11.497 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-612-022825

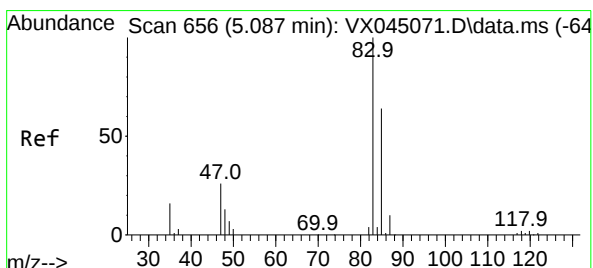
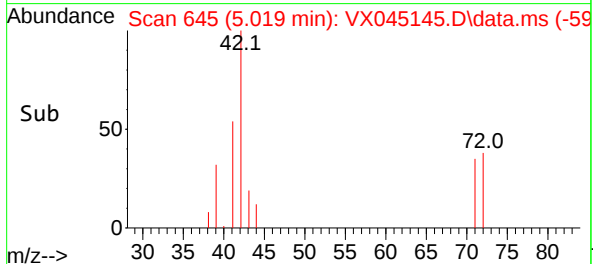
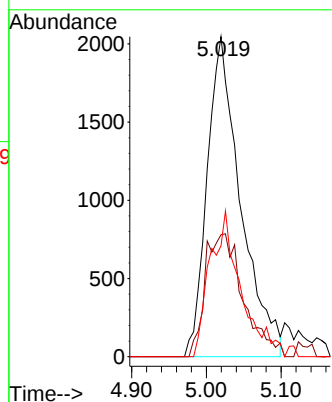
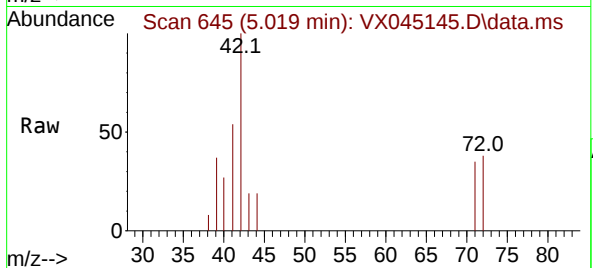
Tgt Ion: 42 Resp: 6390

Ion Ratio Lower Upper

42 100

72 43.4 34.1 51.1

71 41.8 31.4 47.0



#30

Chloroform

Concen: 0.209 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX045145.D

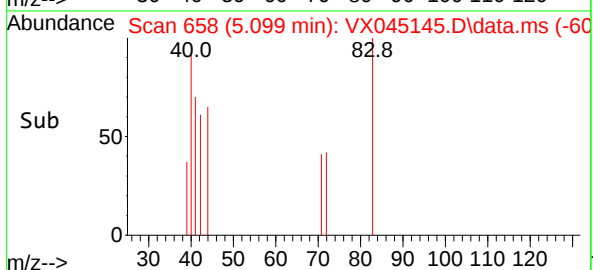
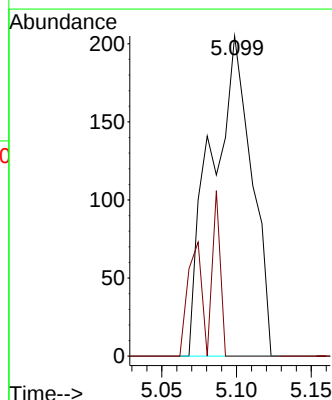
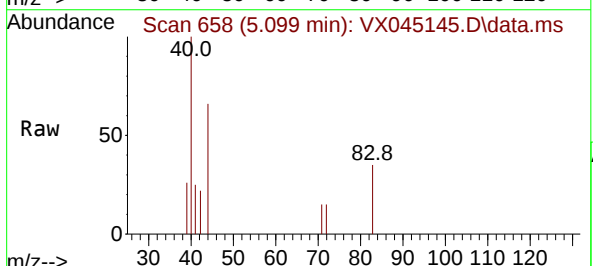
Acq: 05 Mar 2025 16:19

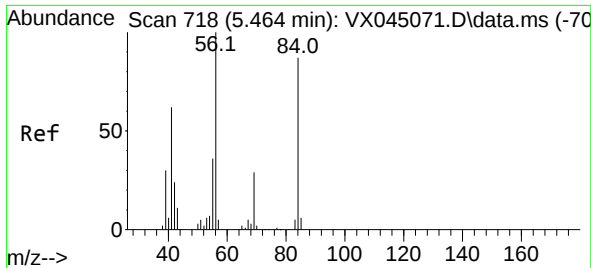
Tgt Ion: 83 Resp: 386

Ion Ratio Lower Upper

83 100

85 0.0 51.4 77.2#

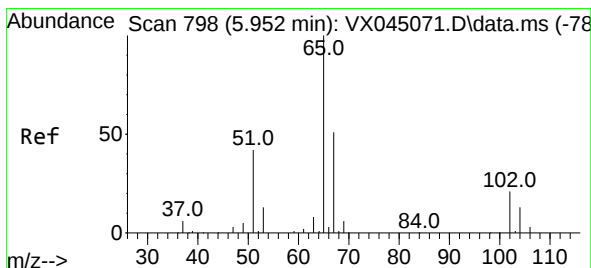
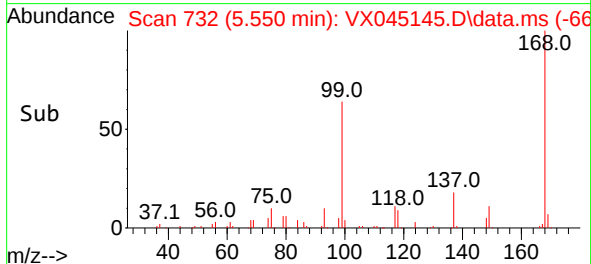
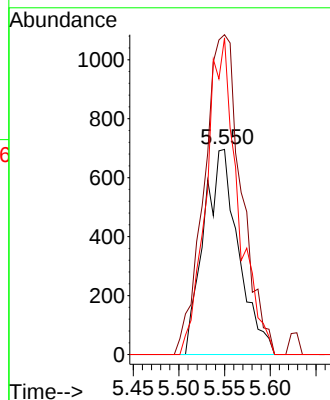
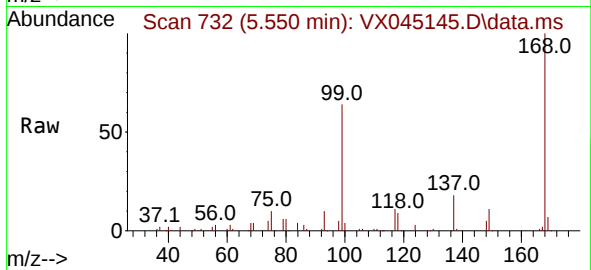




#31
Cyclohexane
Concen: 1.136 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

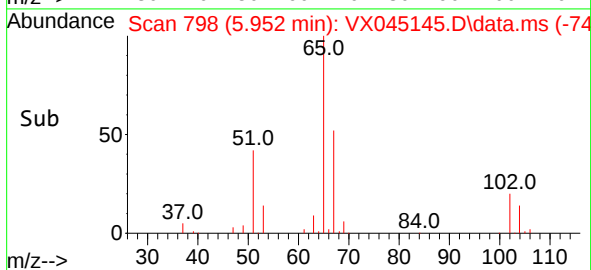
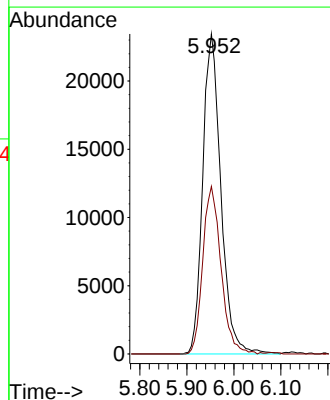
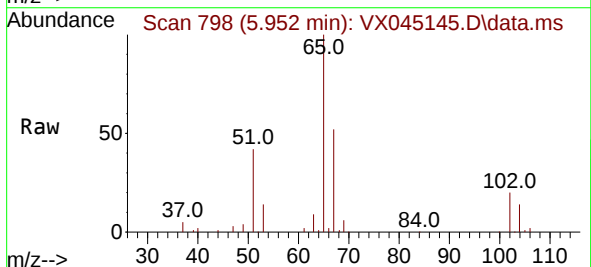
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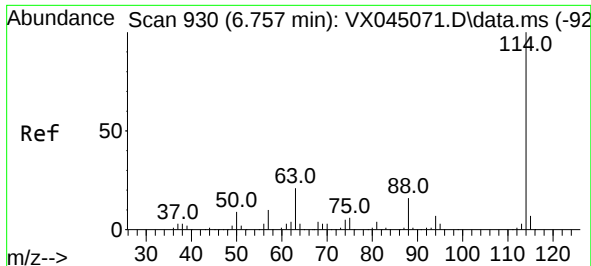
Tgt Ion: 56 Resp: 1831
Ion Ratio Lower Upper
56 100
69 155.9 23.4 35.2#
84 154.3 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 53.117 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion: 65 Resp: 62945
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2

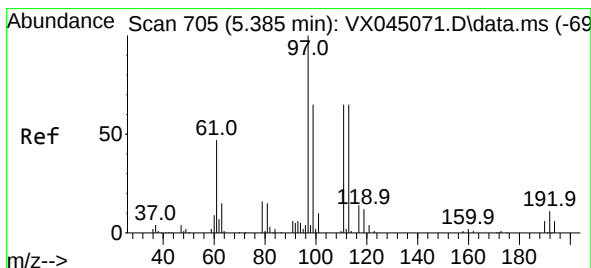
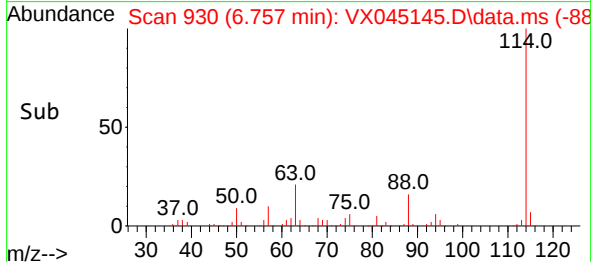
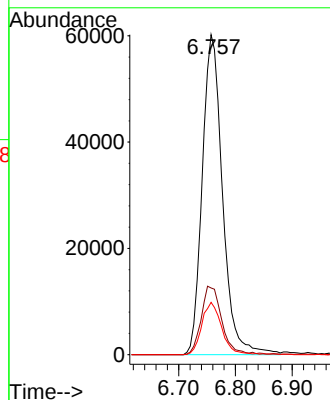
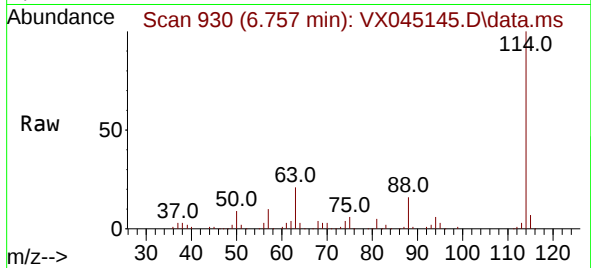




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

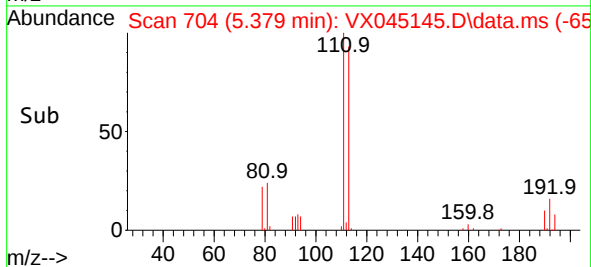
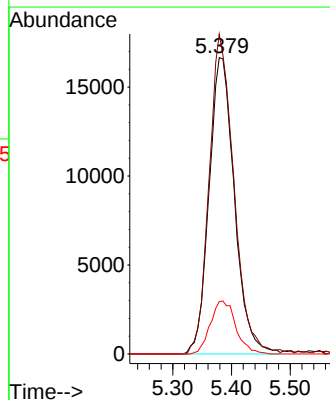
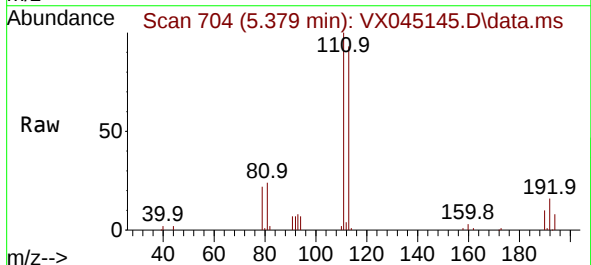
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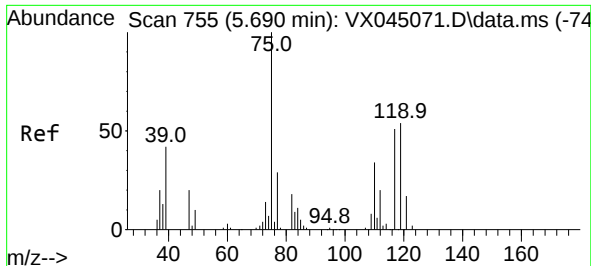
Tgt Ion:114 Resp: 149821
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.898 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion:113 Resp: 49989
Ion Ratio Lower Upper
113 100
111 105.5 81.8 122.6
192 17.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.032 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-612-022825

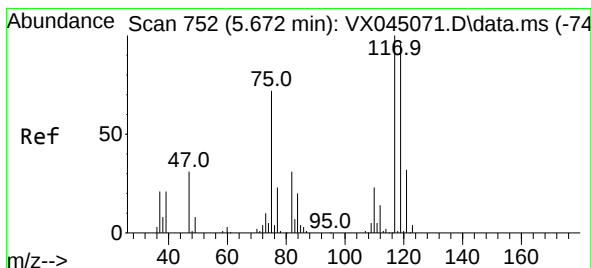
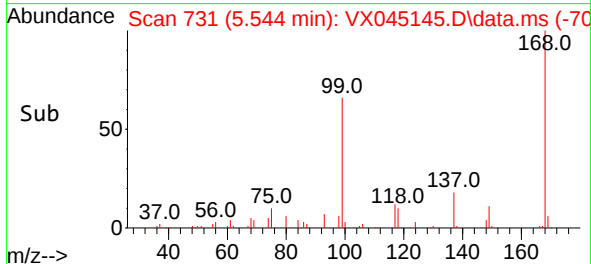
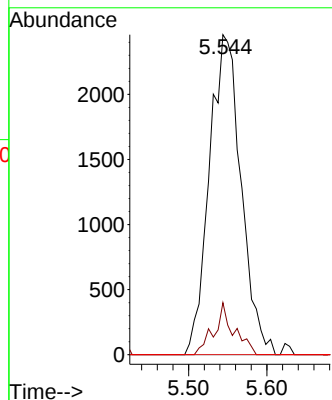
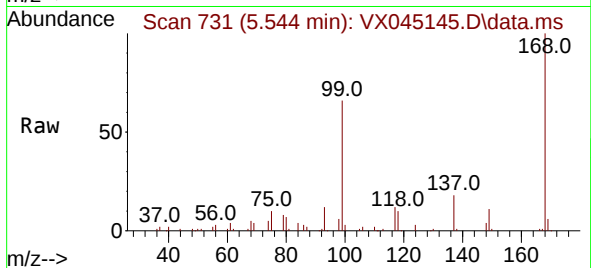
Tgt Ion: 75 Resp: 6913

Ion Ratio Lower Upper

75 100

110 10.2 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.998 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

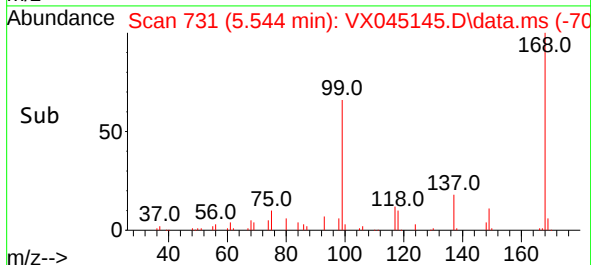
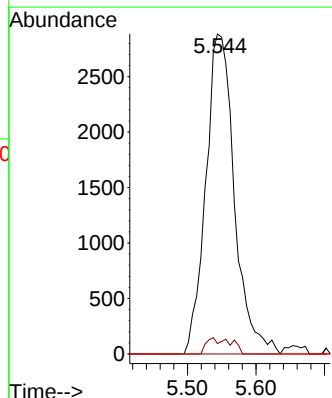
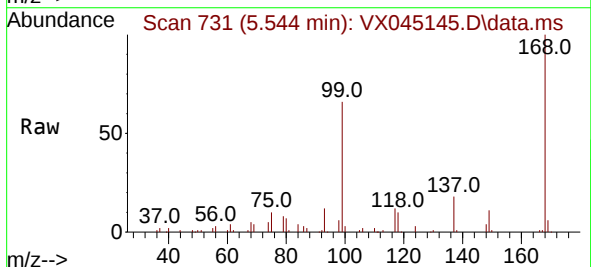
Tgt Ion: 117 Resp: 8366

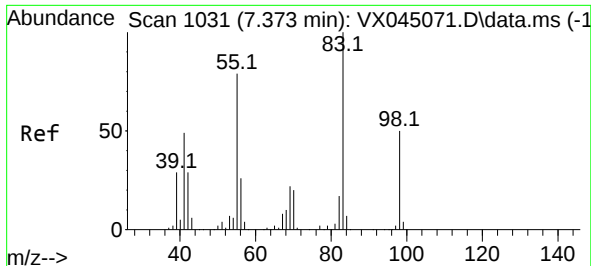
Ion Ratio Lower Upper

117 100

119 3.3 76.7 115.1#

121 0.0 25.5 38.3#

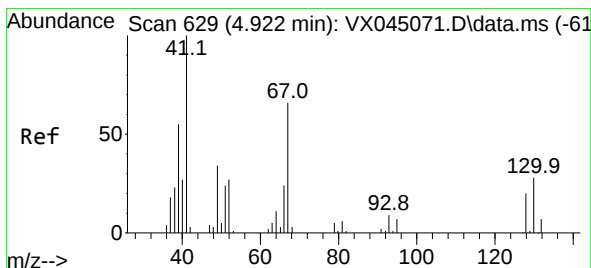
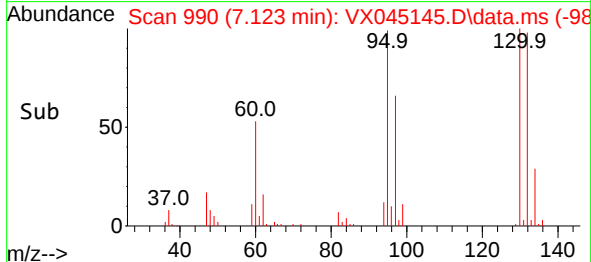
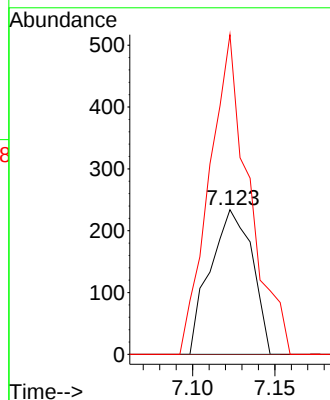
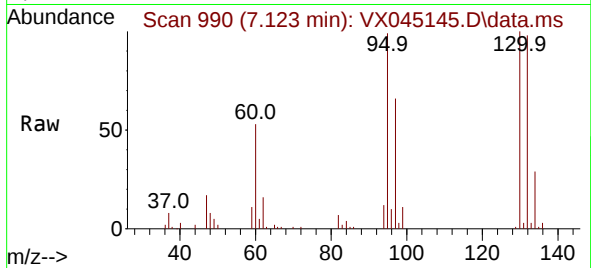




#39
Methylcyclohexane
Concen: 0.253 ug/l
RT: 7.123 min Scan# 94
Delta R.T. -0.250 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

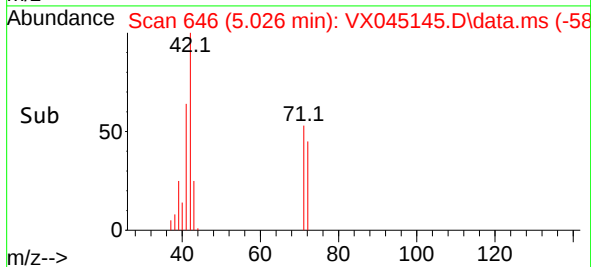
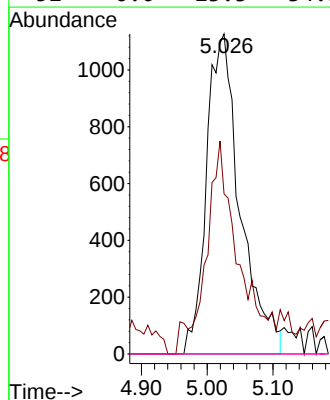
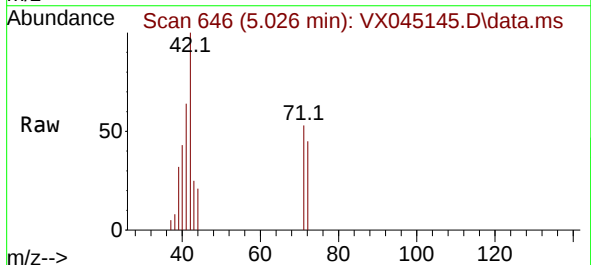
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

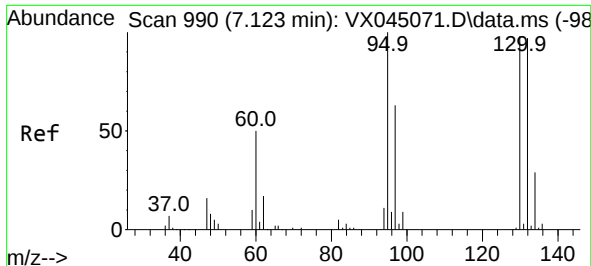
Tgt Ion: 83	Resp: 416
Ion Ratio	Lower Upper
83 100	
55 0.0	63.0 94.4#
98 220.9	39.7 59.5#



#41
Methacrylonitrile
Concen: 4.197 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion: 41	Resp: 4018
Ion Ratio	Lower Upper
41 100	
39 51.8	44.6 67.0
67 0.0	53.9 80.9#
52 0.0	23.3 34.9#

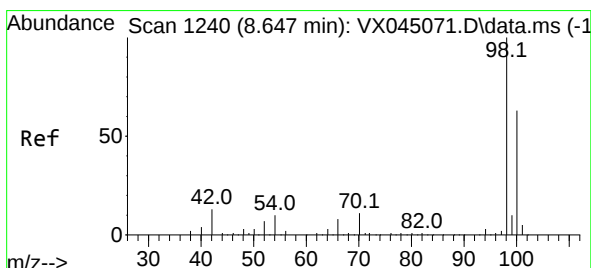
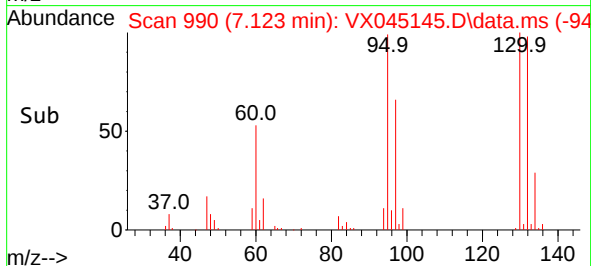
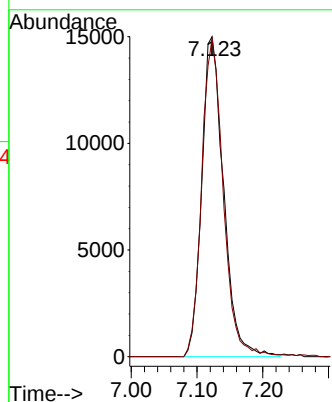
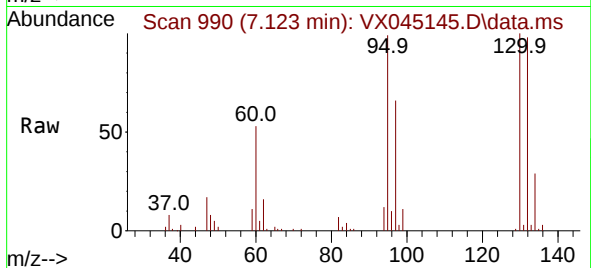




#44
Trichloroethene
Concen: 34.025 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

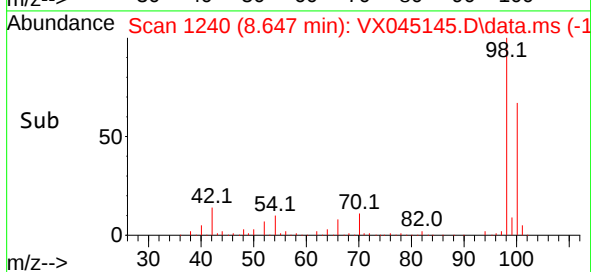
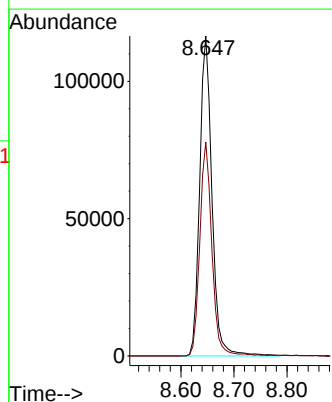
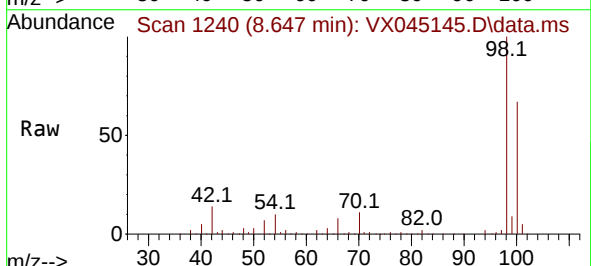
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

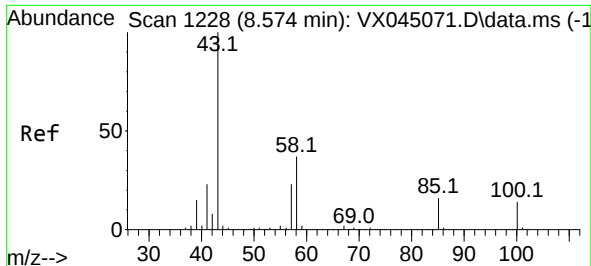
Tgt Ion:130 Resp: 34661
Ion Ratio Lower Upper
130 100
95 99.2 0.0 205.0



#50
Toluene-d8
Concen: 51.695 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion: 98 Resp: 187752
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0

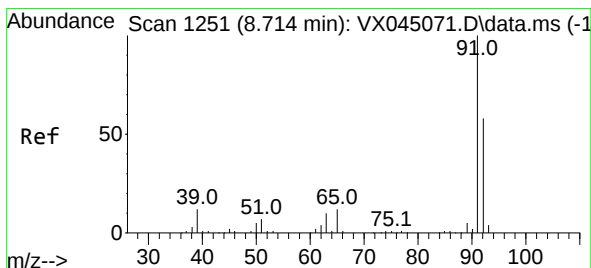
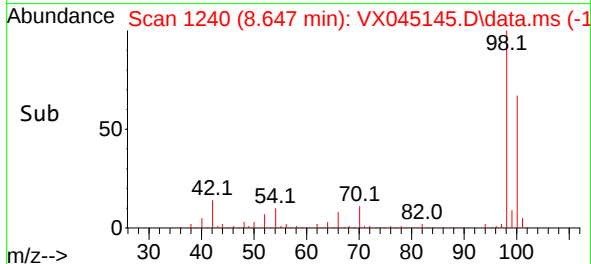
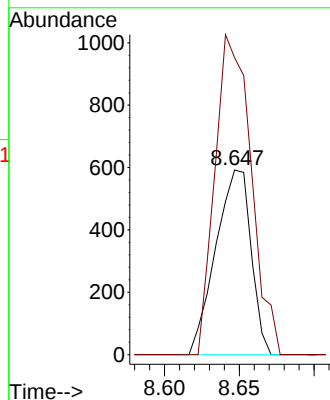
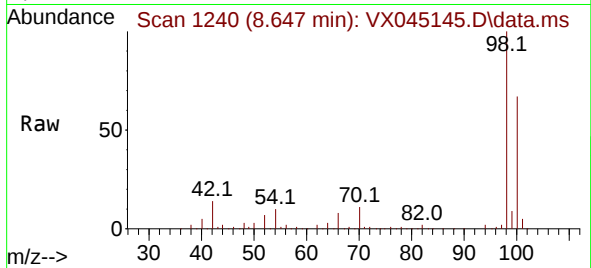




#51
4-Methyl-2-Pentanone
Concen: 0.553 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

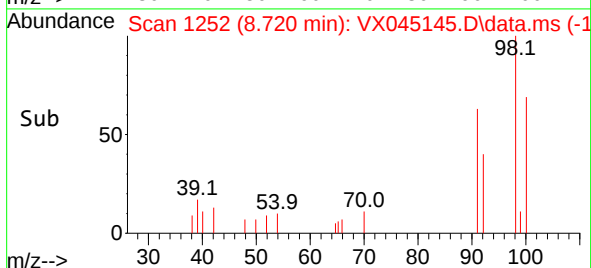
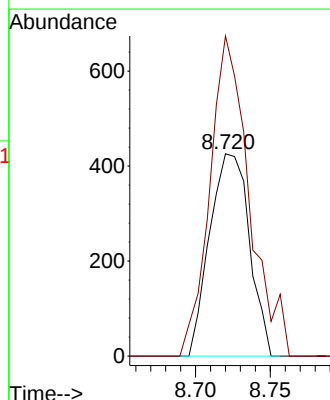
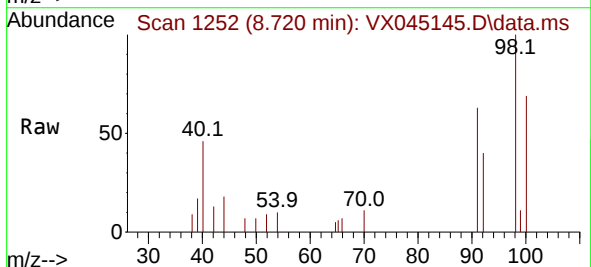
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

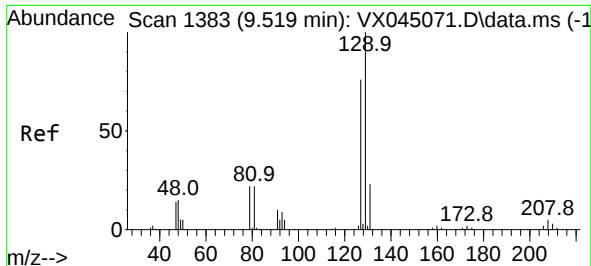
Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
58 176.9 29.2 43.8#



#52
Toluene
Concen: 0.308 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion: 92 Resp: 785
Ion Ratio Lower Upper
92 100
91 157.5 138.9 208.3

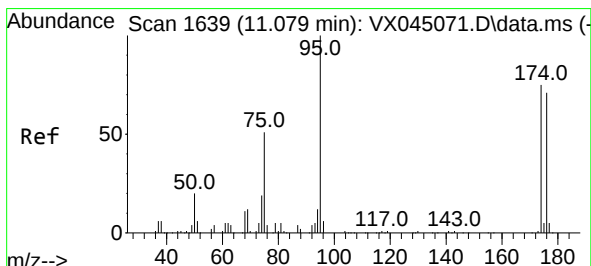
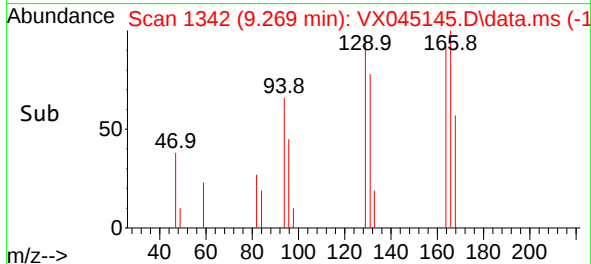
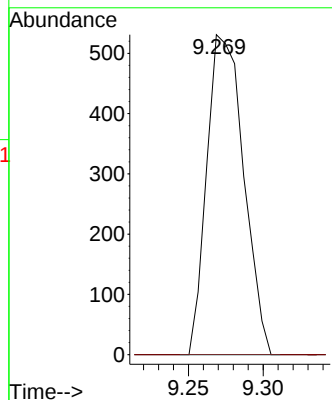
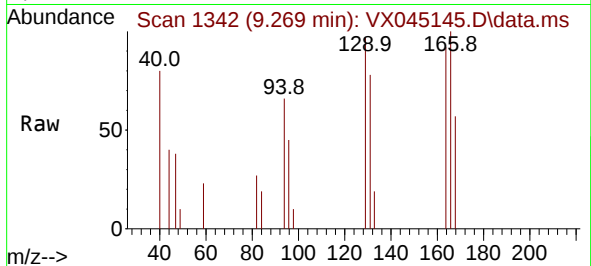




#60
Dibromochloromethane
Concen: 0.829 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

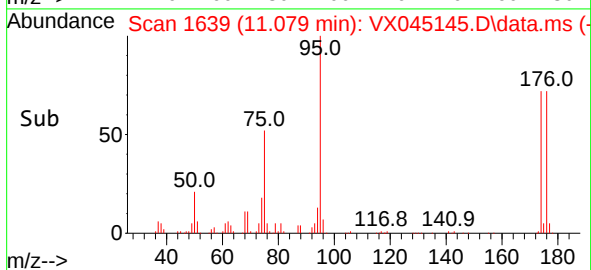
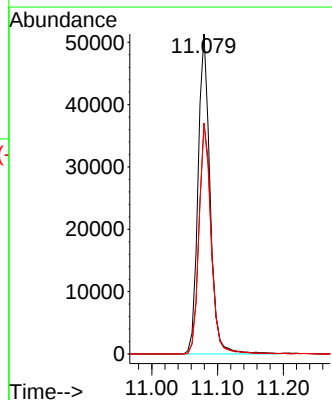
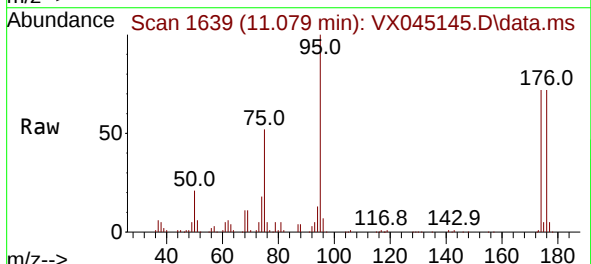
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

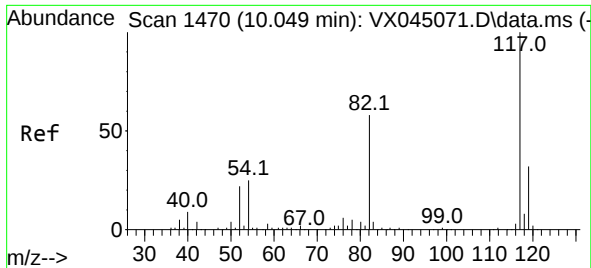
Tgt Ion:129 Resp: 908
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 54.044 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion: 95 Resp: 65043
Ion Ratio Lower Upper
95 100
174 73.7 0.0 148.2
176 72.4 0.0 141.4

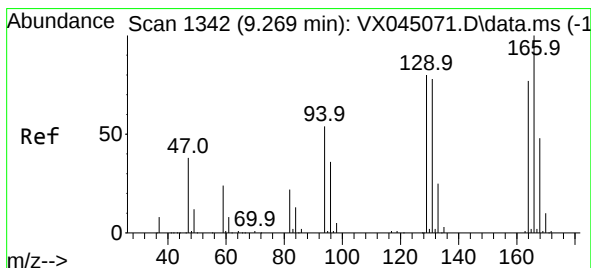
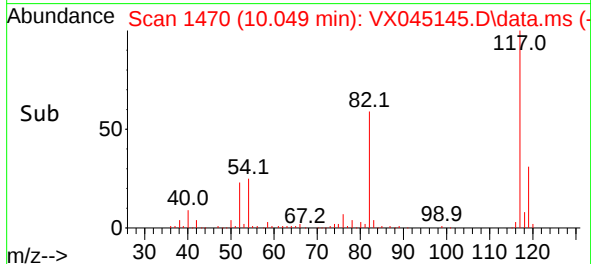
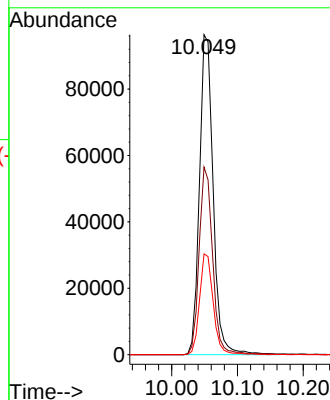
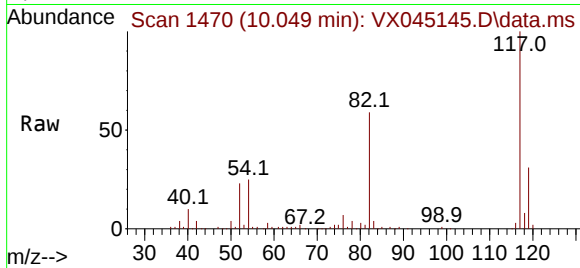




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

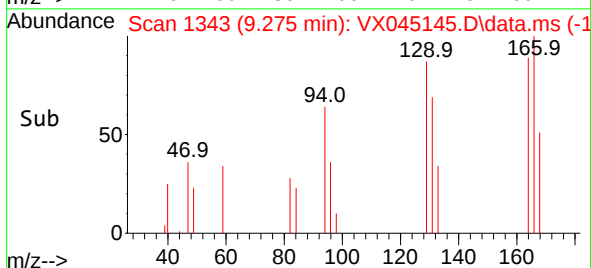
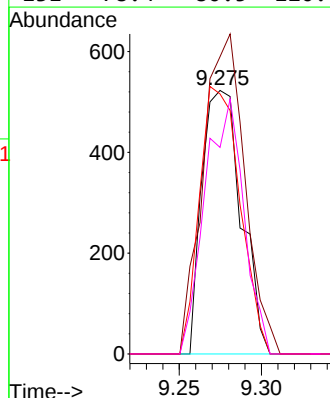
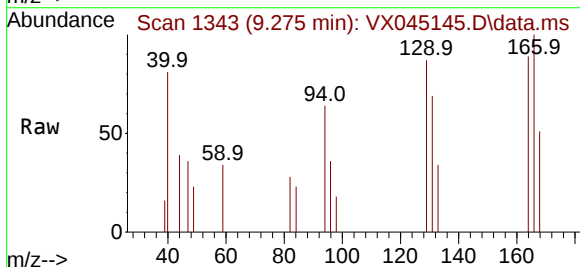
Instrument : MSVOA_X
ClientSampleId : IDW-AQ-DRUM-612-022825

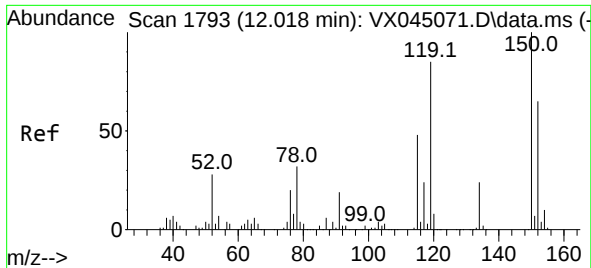
Tgt Ion:117 Resp: 139770
Ion Ratio Lower Upper
117 100
82 58.6 46.3 69.5
119 31.5 25.7 38.5



#64
Tetrachloroethene
Concen: 0.975 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion:164 Resp: 873
Ion Ratio Lower Upper
164 100
166 112.8 103.6 155.4
129 98.7 82.7 124.1
131 78.4 80.5 120.7#

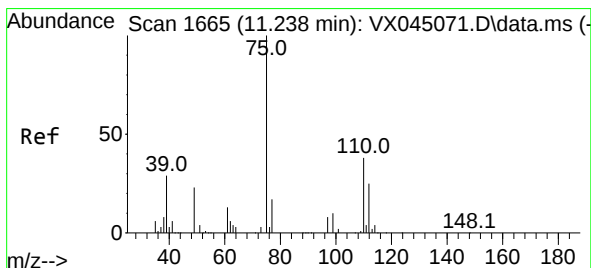
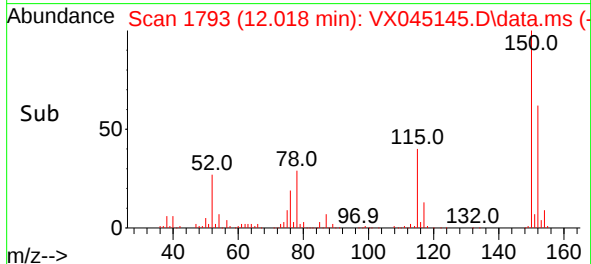
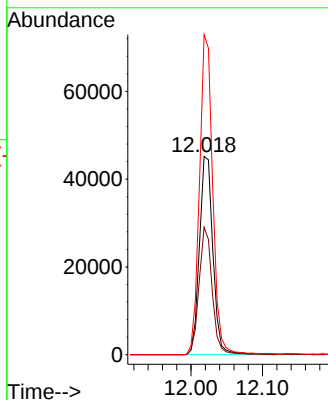
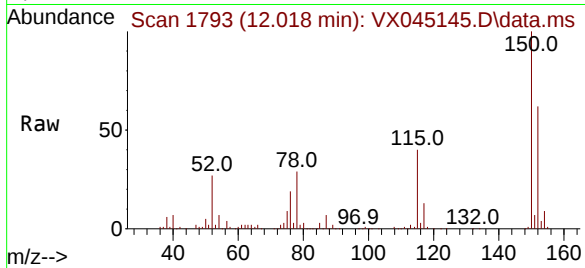




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX045145.D
 Acq: 05 Mar 2025 16:19

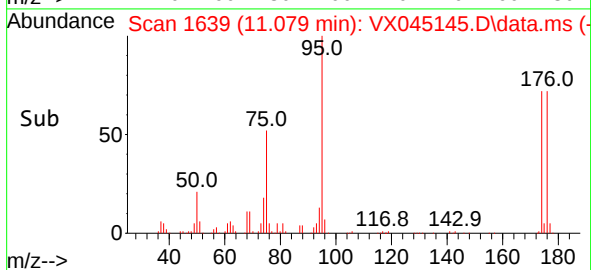
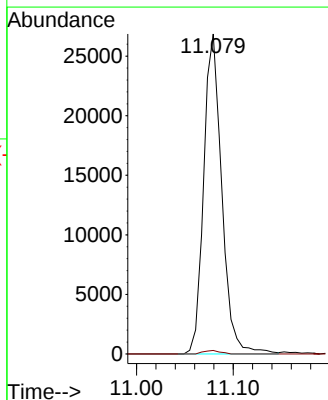
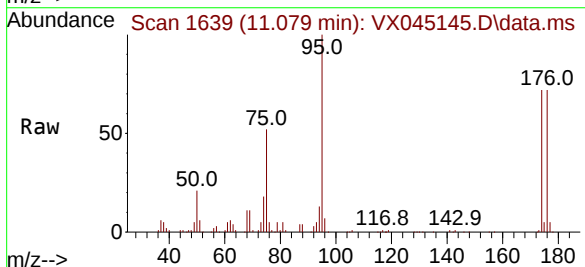
Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-612-022825

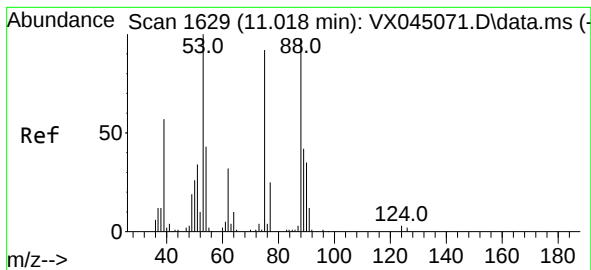
Tgt Ion:152 Resp: 59528
 Ion Ratio Lower Upper
 152 100
 115 62.0 44.2 132.6
 150 157.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.289 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045145.D
 Acq: 05 Mar 2025 16:19

Tgt Ion: 75 Resp: 35039
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.545 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045145.D
 Acq: 05 Mar 2025 16:19

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-612-022825

Tgt Ion: 75 Resp: 35039
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

