

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045137.D
 Acq On : 05 Mar 2025 13:13
 Operator : JC/MD
 Sample : Q1478-06DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-614-022825DL

Quant Time: Mar 06 01:04:41 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

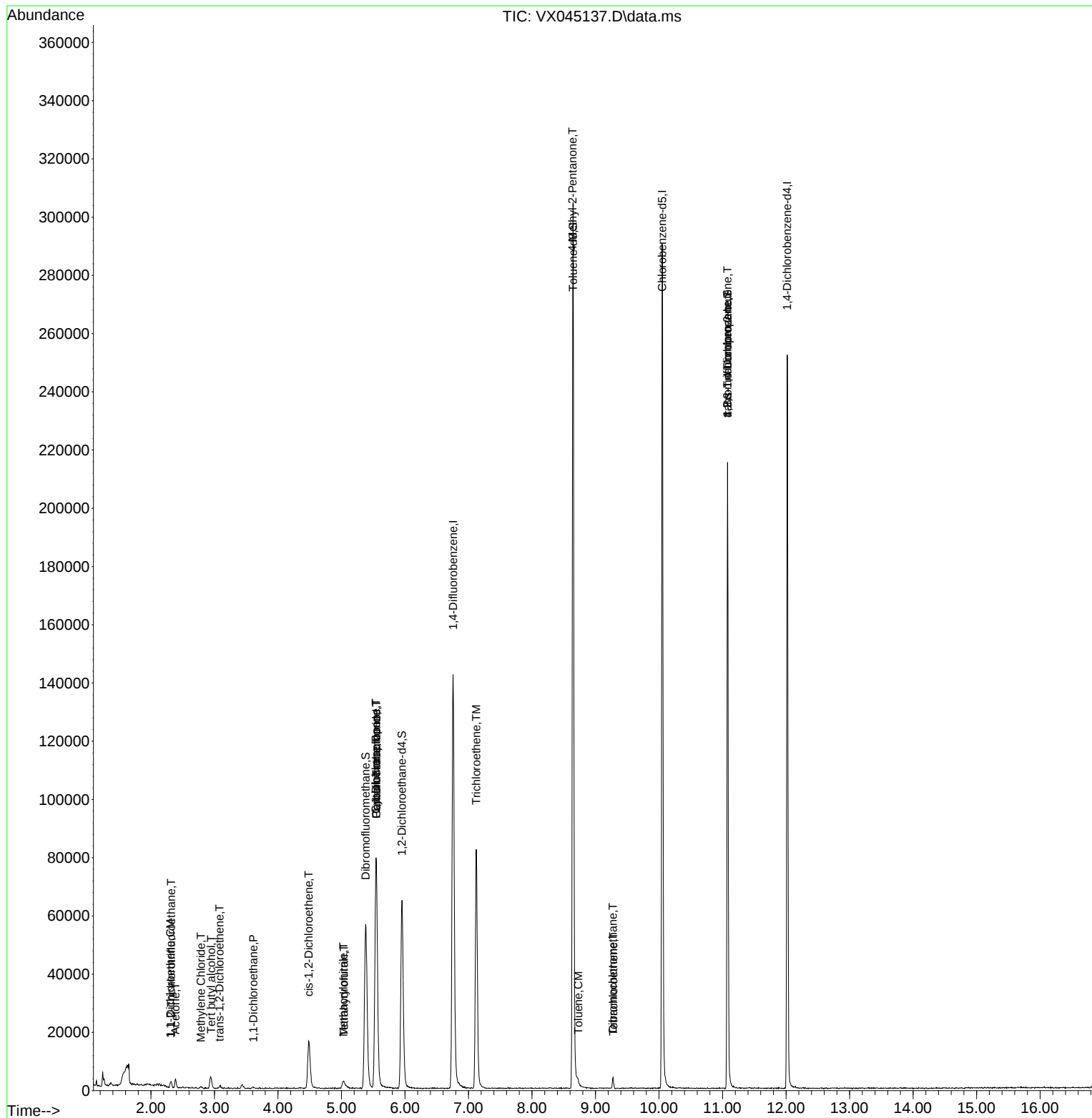
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	73767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61264	52.212	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.420%	
35) Dibromofluoromethane	5.379	113	50279	51.022	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.040%	
50) Toluene-d8	8.647	98	180524	50.531	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.060%	
62) 4-Bromofluorobenzene	11.079	95	58413	49.342	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.680%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	798	0.931	ug/l	88
11) Tert butyl alcohol	2.947	59	2386	10.735	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	314	0.346	ug/l #	75
16) Acetone	2.386	43	3234	5.940	ug/l	98
20) Methylene Chloride	2.788	84	233	0.216	ug/l #	63
21) trans-1,2-Dichloroethene	3.081	96	294	0.328	ug/l #	73
24) 1,1-Dichloroethane	3.611	63	630	0.343	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	10658	9.641	ug/l	91
29) Tetrahydrofuran	5.038	42	2803	5.093	ug/l #	71
31) Cyclohexane	5.544	56	1815	1.137	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6435	4.762	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7837	5.712	ug/l #	16
41) Methacrylonitrile	5.032	41	1337	1.420	ug/l #	34
44) Trichloroethene	7.123	130	32140	32.074	ug/l	94
51) 4-Methyl-2-Pentanone	8.641	43	842	0.487	ug/l #	1
52) Toluene	8.726	92	505	0.202	ug/l	78
60) Dibromochloromethane	9.275	129	582	0.540	ug/l #	11
64) Tetrachloroethene	9.281	164	646	0.767	ug/l #	75
76) 1,2,3-Trichloropropane	11.079	75	30511	26.494	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30511	90.668	ug/l #	6

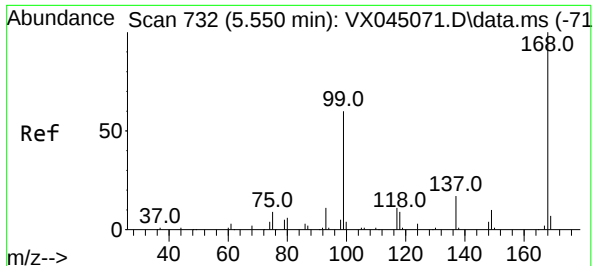
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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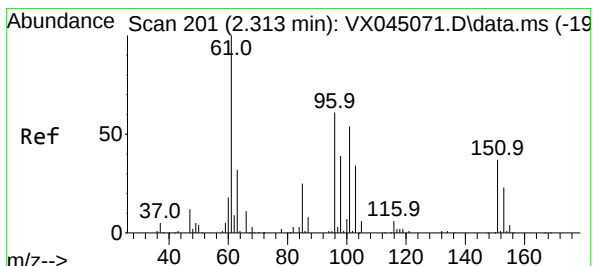
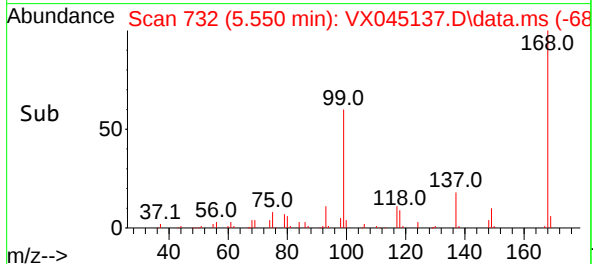
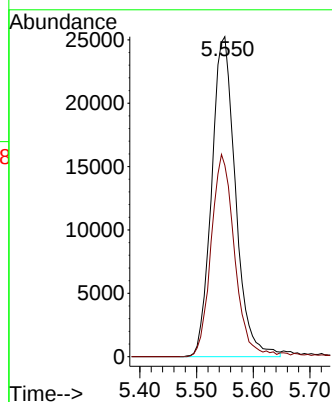
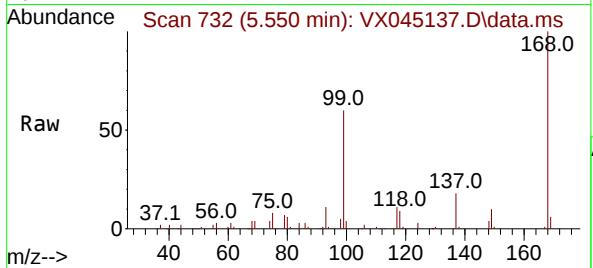




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

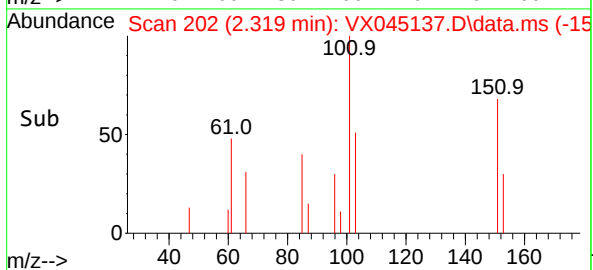
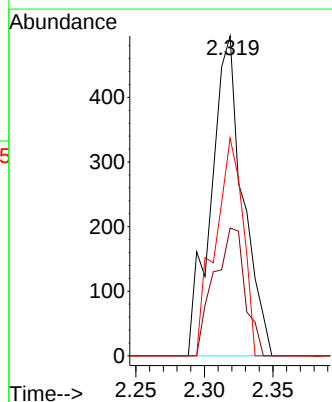
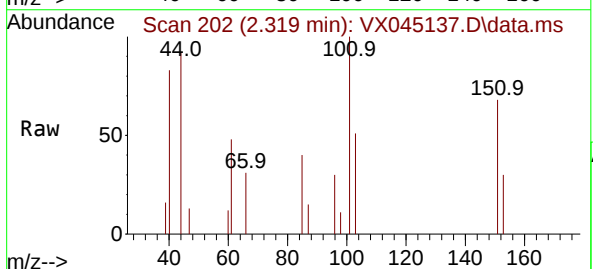
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

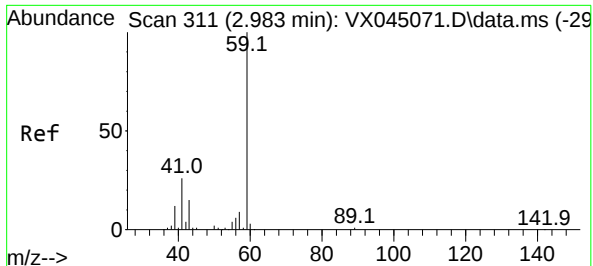
Tgt Ion:168 Resp: 73767
Ion Ratio Lower Upper
168 100
99 59.8 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.931 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion:101 Resp: 798
Ion Ratio Lower Upper
101 100
85 39.1 36.2 54.4
151 59.8 56.4 84.6

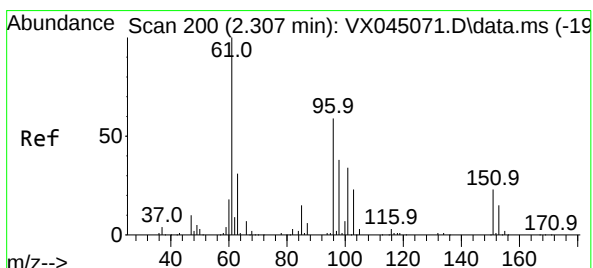
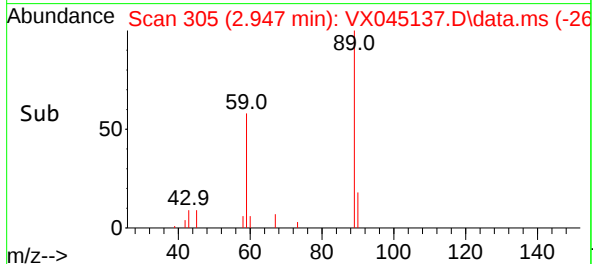
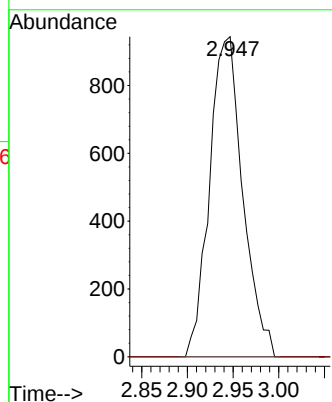
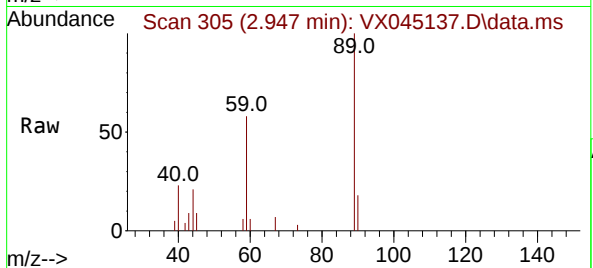




#11
Tert butyl alcohol
Concen: 10.735 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

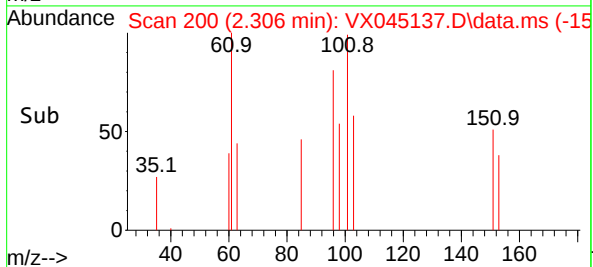
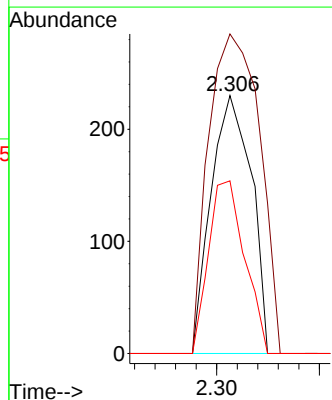
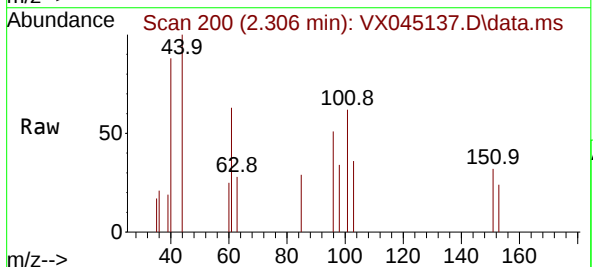
Instrument : MSVOA_X
ClientSampleId : IDW-AQ-DRUM-614-022825DL

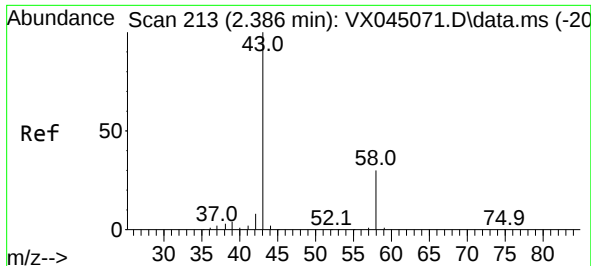
Tgt Ion: 59 Resp: 2386
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.346 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion: 96 Resp: 314
Ion Ratio Lower Upper
96 100
61 123.9 134.6 202.0#
98 67.0 51.0 76.6





#16

Acetone

Concen: 5.940 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

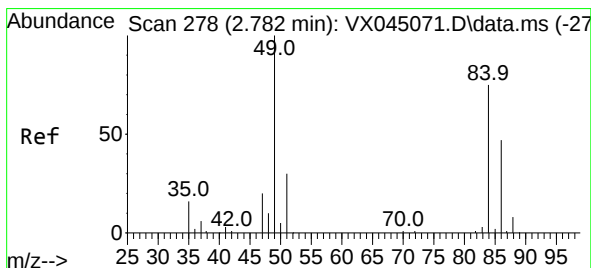
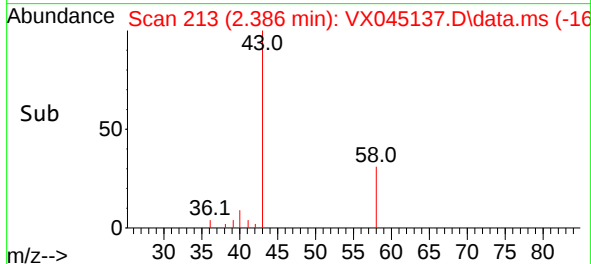
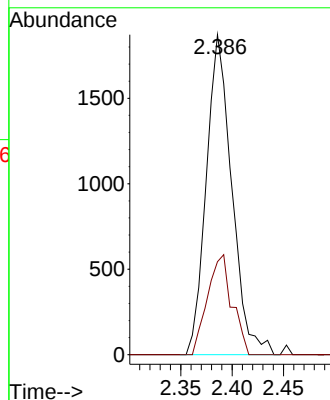
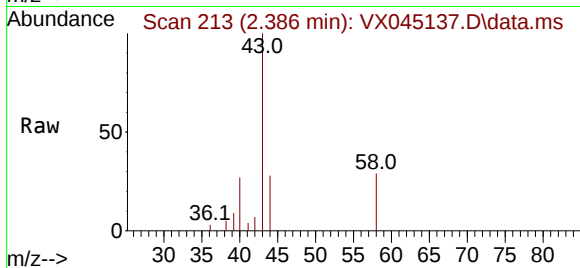
IDW-AQ-DRUM-614-022825DL

Tgt Ion: 43 Resp: 3234

Ion Ratio Lower Upper

43 100

58 29.1 24.2 36.4



#20

Methylene Chloride

Concen: 0.216 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Tgt Ion: 84 Resp: 233

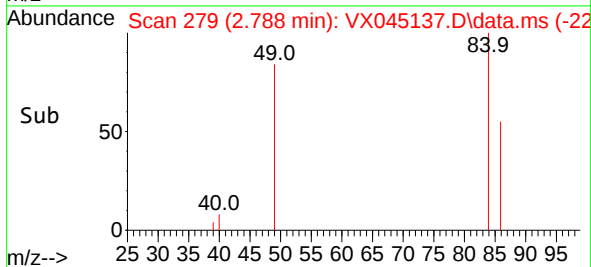
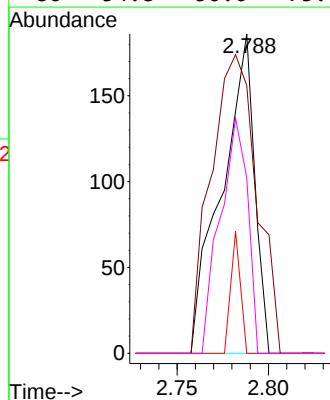
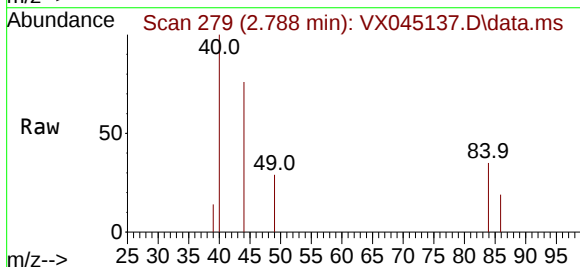
Ion Ratio Lower Upper

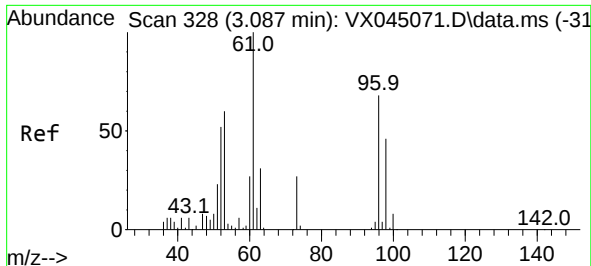
84 100

49 83.9 106.5 159.7#

51 0.0 32.1 48.1#

86 54.8 50.0 75.0

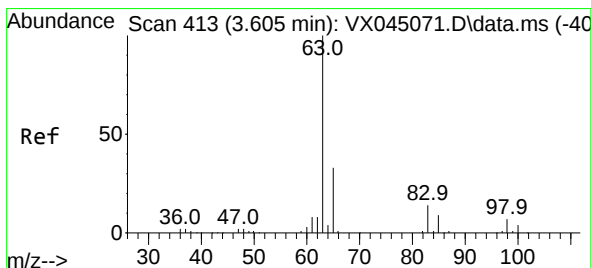
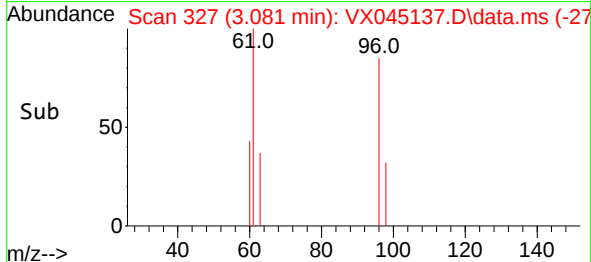
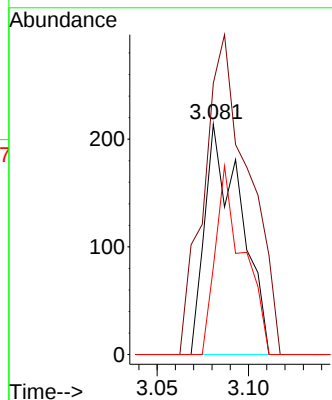
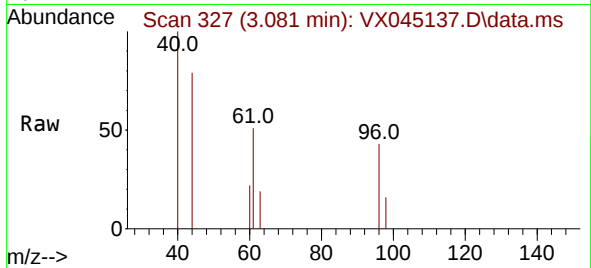




#21
trans-1,2-Dichloroethene
Concen: 0.328 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

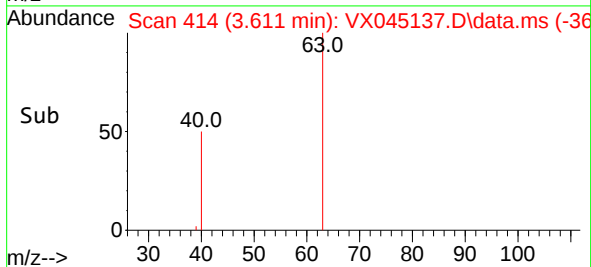
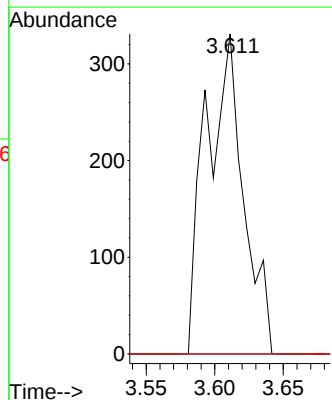
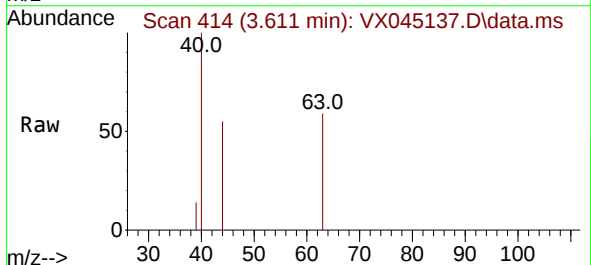
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

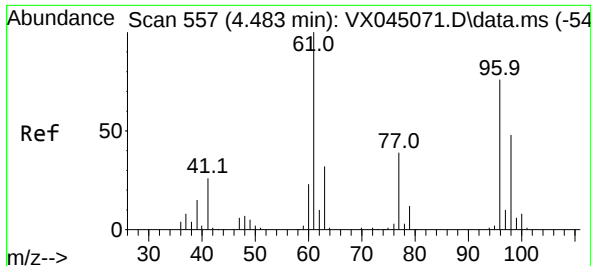
Tgt Ion: 96 Resp: 294
Ion Ratio Lower Upper
96 100
61 117.8 117.0 175.4
98 37.9 53.4 80.2#



#24
1,1-Dichloroethane
Concen: 0.343 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion: 63 Resp: 630
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 9.641 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-614-022825DL

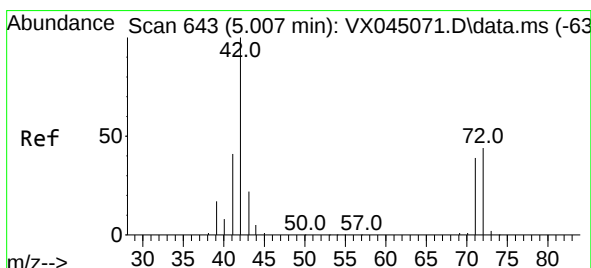
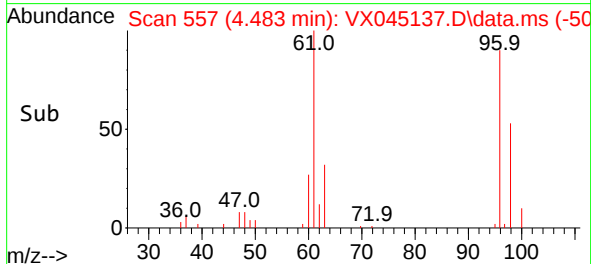
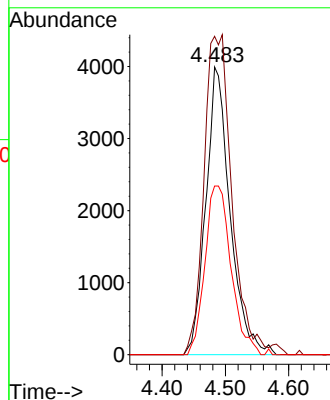
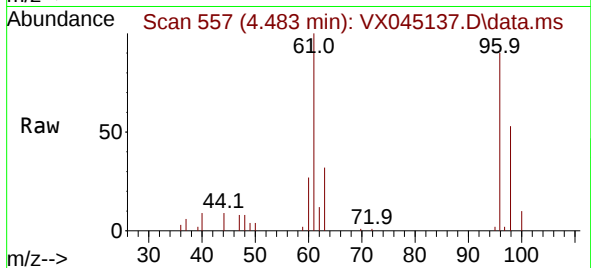
Tgt Ion: 96 Resp: 10658

Ion Ratio Lower Upper

96 100

61 127.1 0.0 283.2

98 63.1 0.0 128.0



#29

Tetrahydrofuran

Concen: 5.093 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.030 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

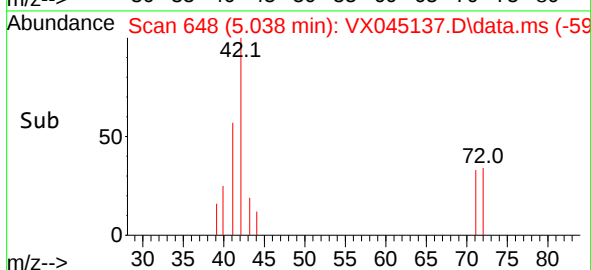
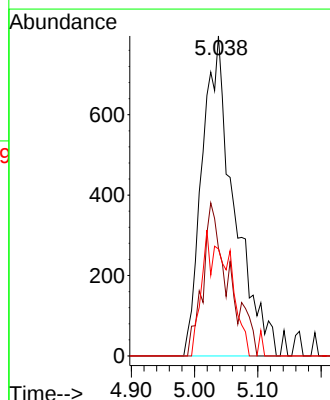
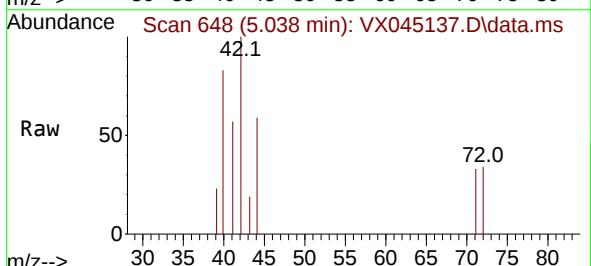
Tgt Ion: 42 Resp: 2803

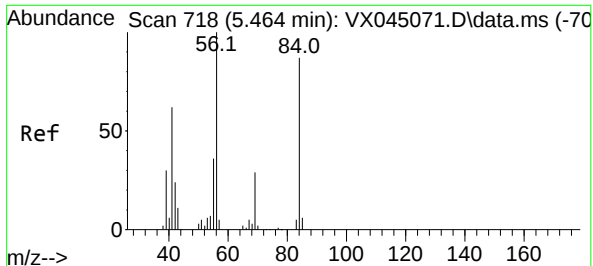
Ion Ratio Lower Upper

42 100

72 33.6 34.1 51.1#

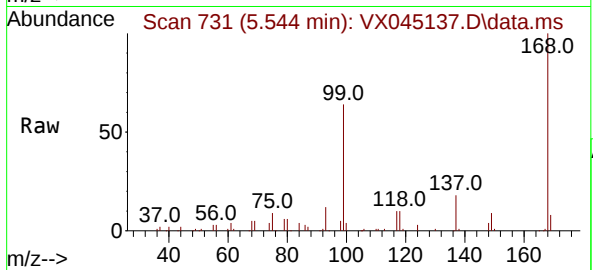
71 12.1 31.4 47.0#



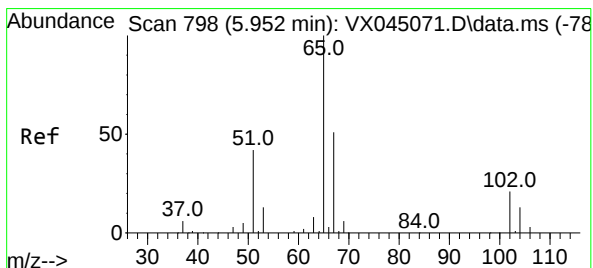
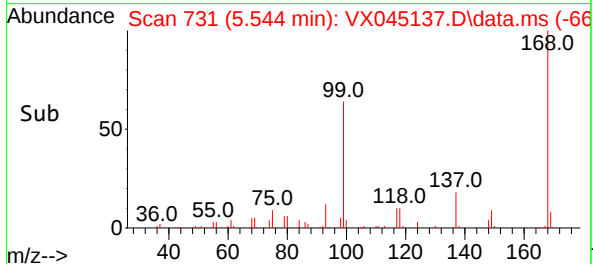
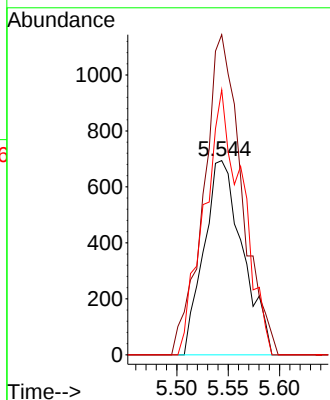


#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

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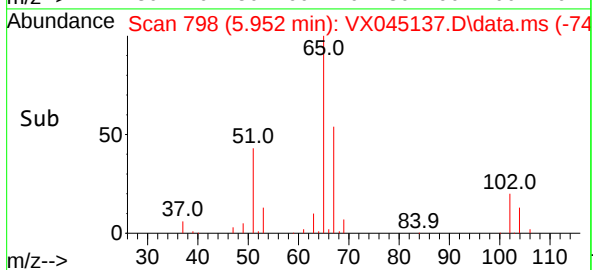
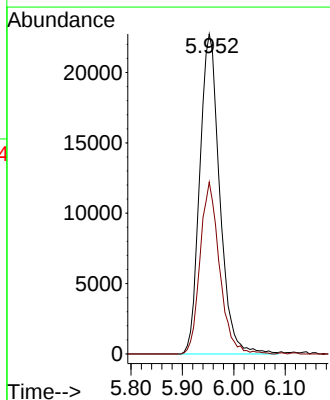
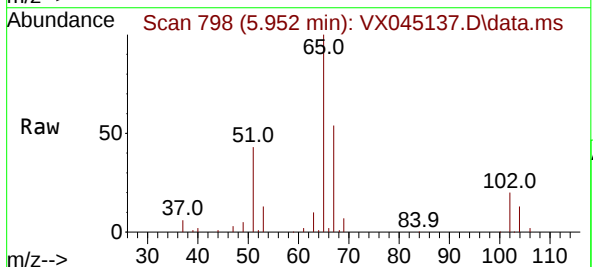


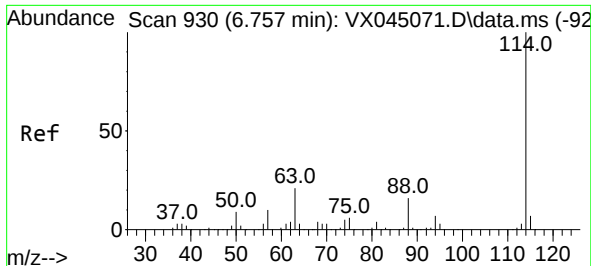
Tgt Ion: 56 Resp: 1815
Ion Ratio Lower Upper
56 100
69 164.8 23.4 35.2#
84 136.5 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 52.212 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion: 65 Resp: 61264
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2

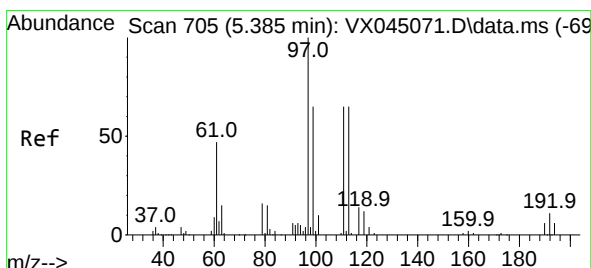
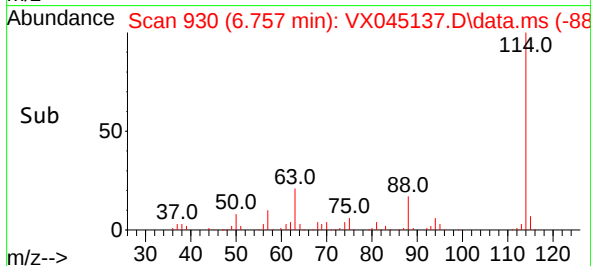
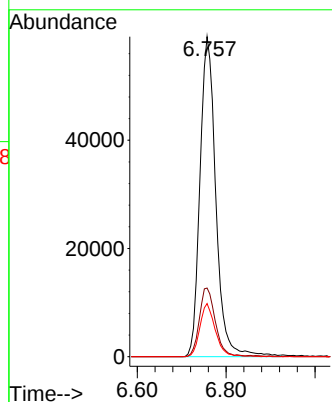
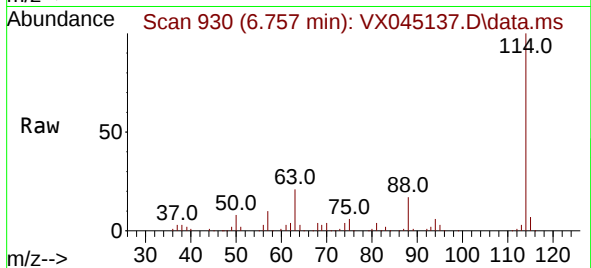




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

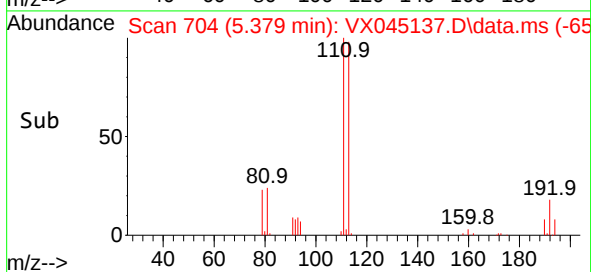
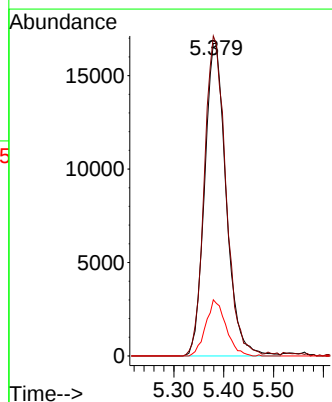
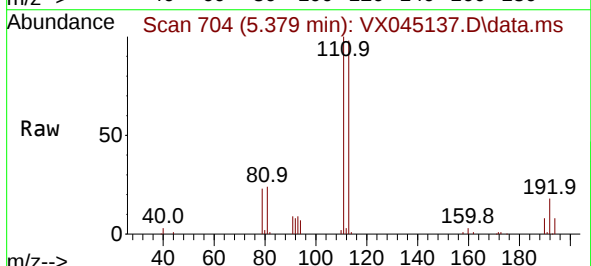
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

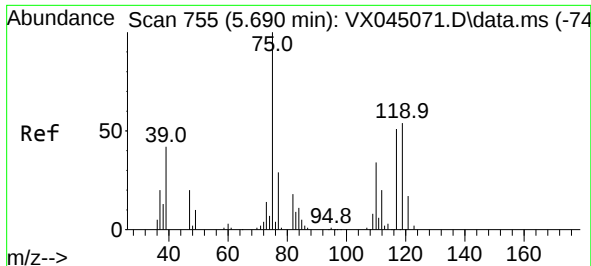
Tgt Ion:114 Resp: 147372
Ion Ratio Lower Upper
114 100
63 21.5 0.0 41.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.022 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion:113 Resp: 50279
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 16.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.762 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-614-022825DL

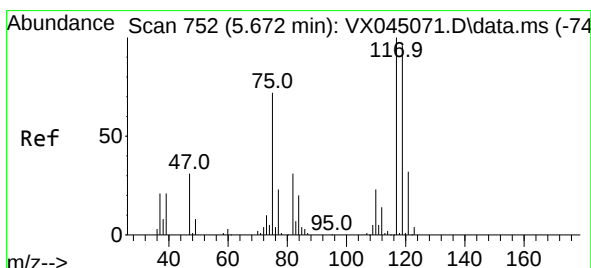
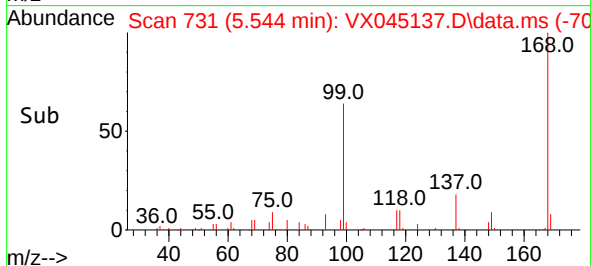
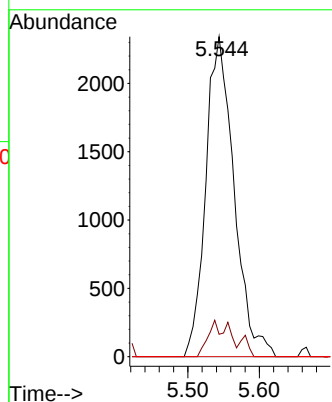
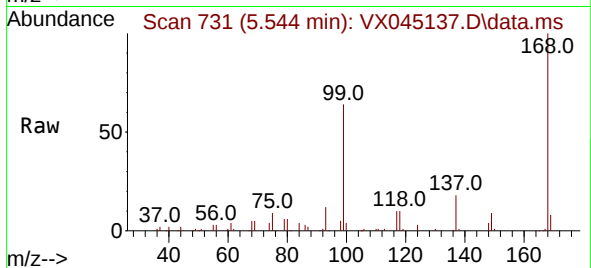
Tgt Ion: 75 Resp: 6435

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.712 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

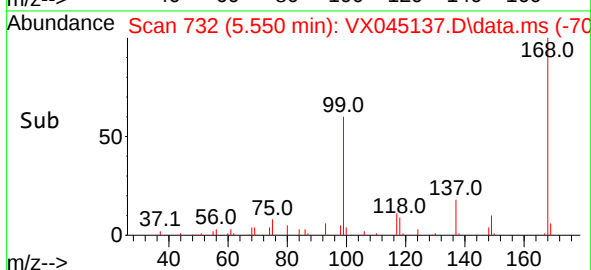
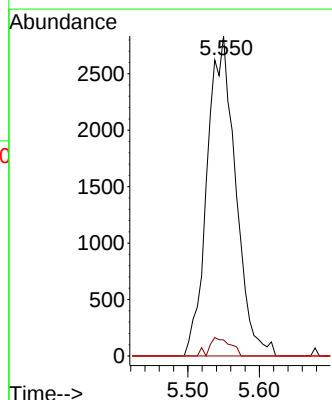
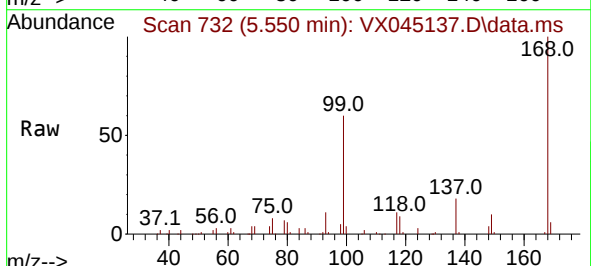
Tgt Ion: 117 Resp: 7837

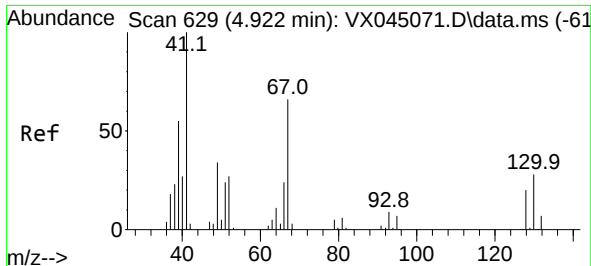
Ion Ratio Lower Upper

117 100

119 5.0 76.7 115.1#

121 0.0 25.5 38.3#

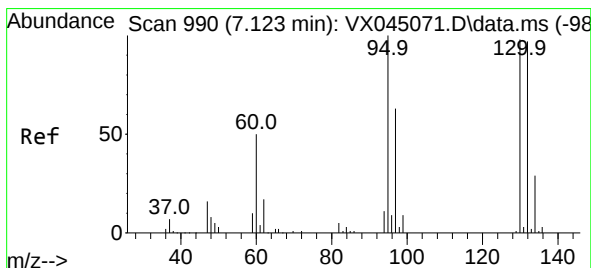
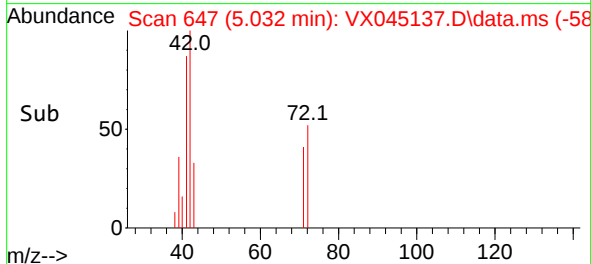
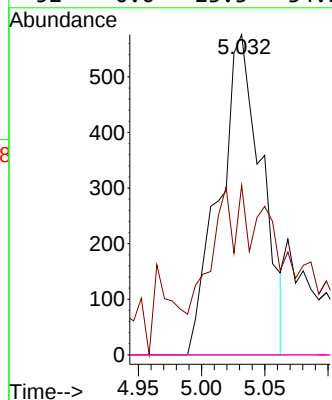
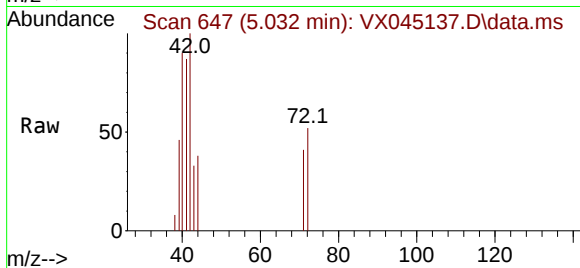




#41
Methacrylonitrile
Concen: 1.420 ug/l
RT: 5.032 min Scan# 641
Delta R.T. 0.110 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

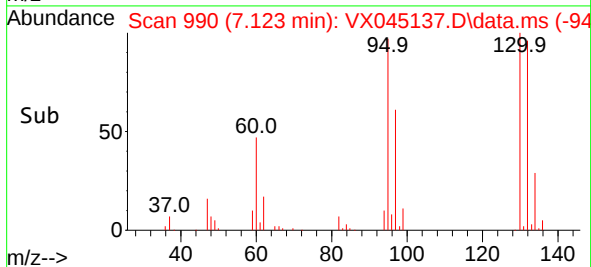
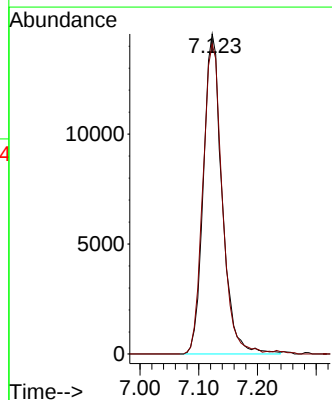
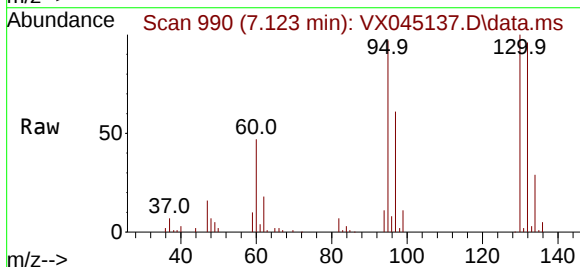
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

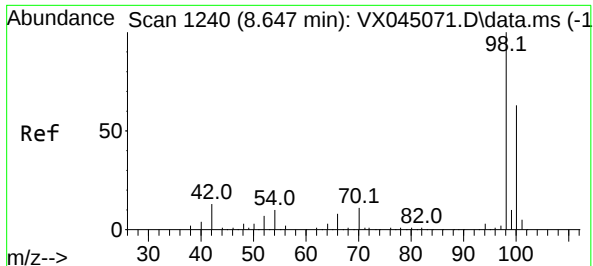
Tgt Ion:	41	Resp:	1337
Ion	Ratio	Lower	Upper
41	100		
39	19.7	44.6	67.0#
67	0.0	53.9	80.9#
52	0.0	23.3	34.9#



#44
Trichloroethene
Concen: 32.074 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion:	130	Resp:	32140
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	205.0

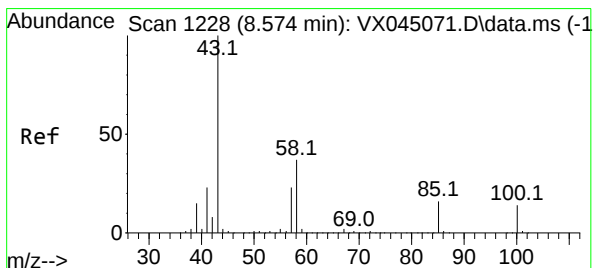
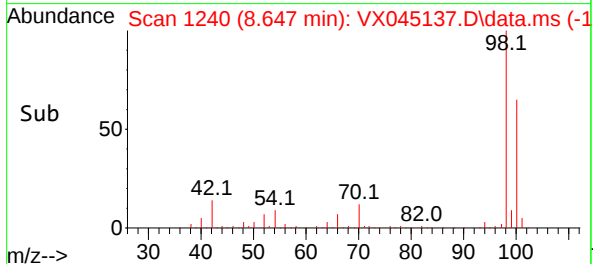
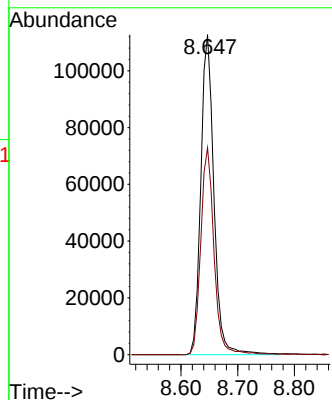
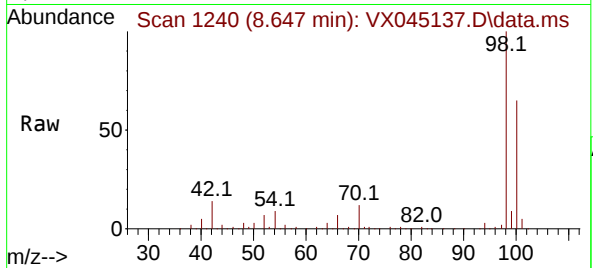




#50
Toluene-d8
Concen: 50.531 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

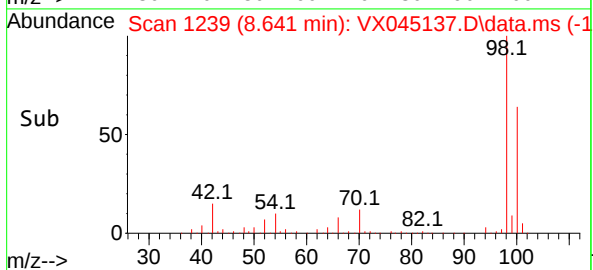
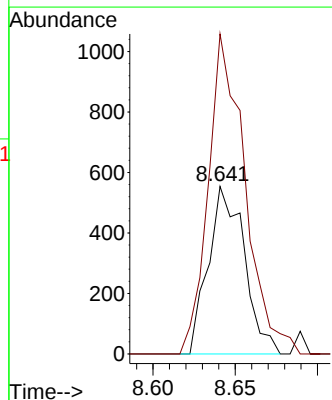
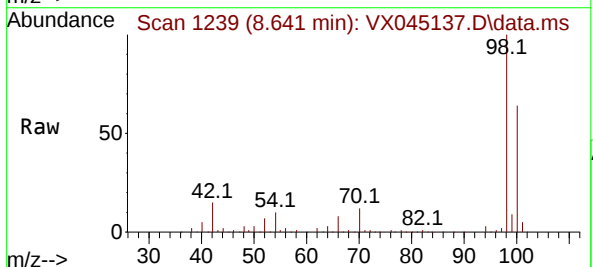
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

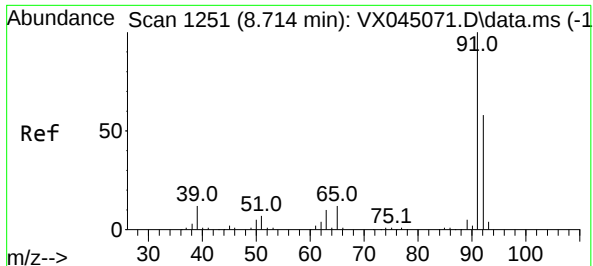
Tgt Ion: 98 Resp: 180524
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.487 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
58 194.9 29.2 43.8#

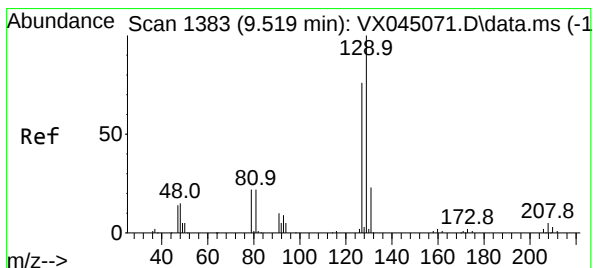
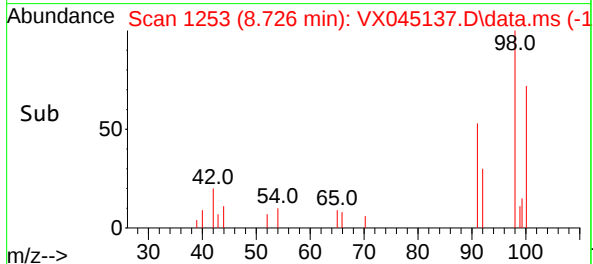
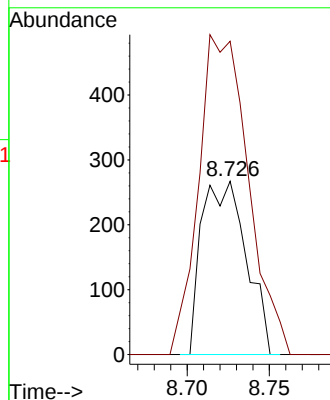
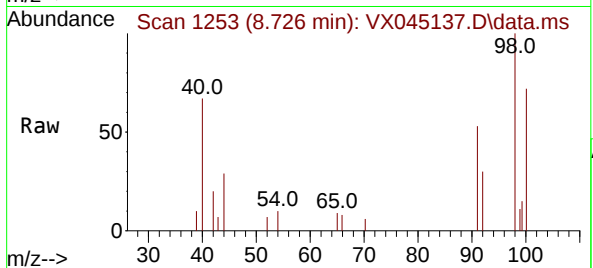




#52
Toluene
Concen: 0.202 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

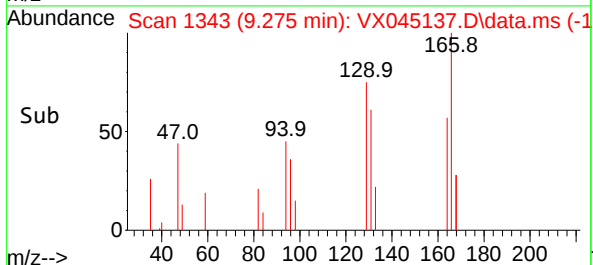
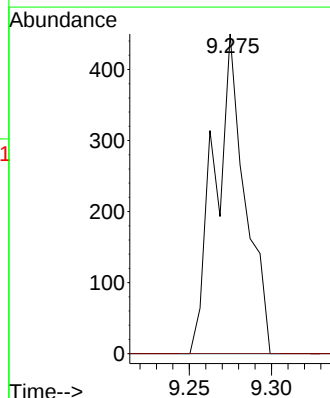
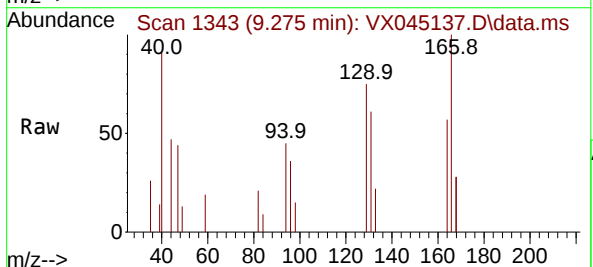
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

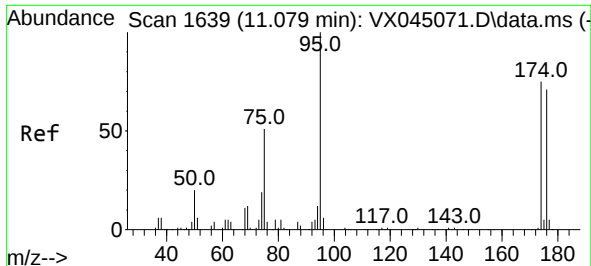
Tgt Ion: 92 Resp: 505
Ion Ratio Lower Upper
92 100
91 204.6 138.9 208.3



#60
Dibromochloromethane
Concen: 0.540 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion: 129 Resp: 582
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 49.342 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-614-022825DL

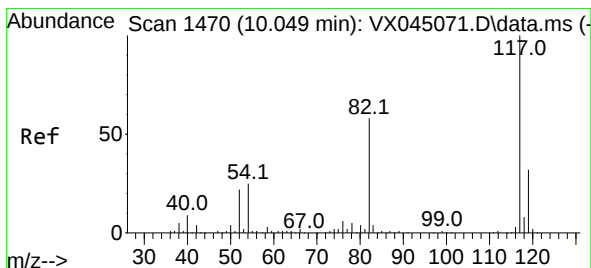
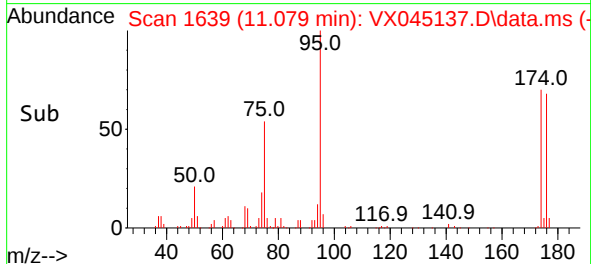
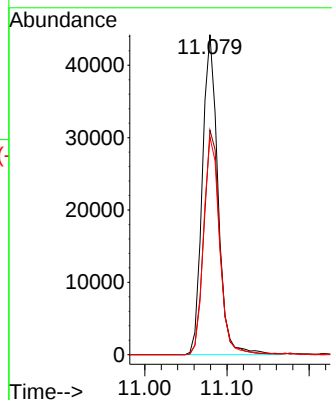
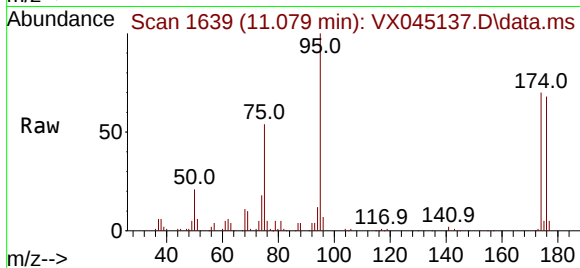
Tgt Ion: 95 Resp: 58413

Ion Ratio Lower Upper

95 100

174 71.5 0.0 148.2

176 69.8 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: VX045137.D

Acq: 05 Mar 2025 13:13

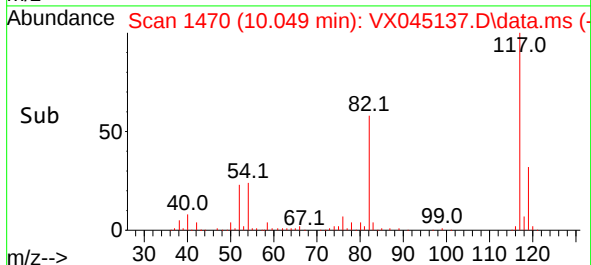
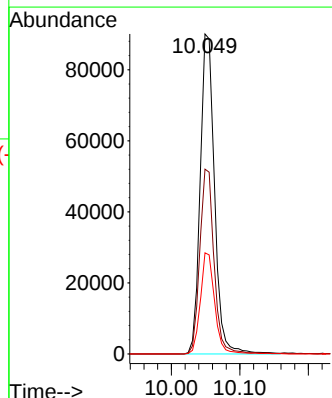
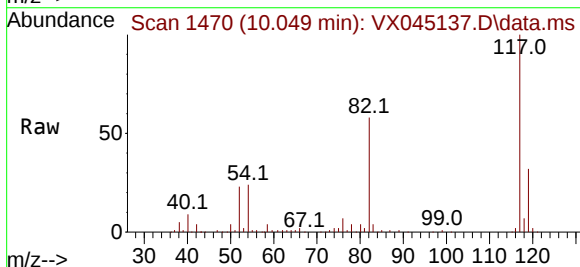
Tgt Ion: 117 Resp: 131471

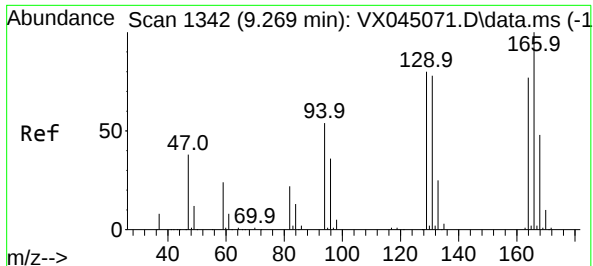
Ion Ratio Lower Upper

117 100

82 57.8 46.3 69.5

119 31.6 25.7 38.5

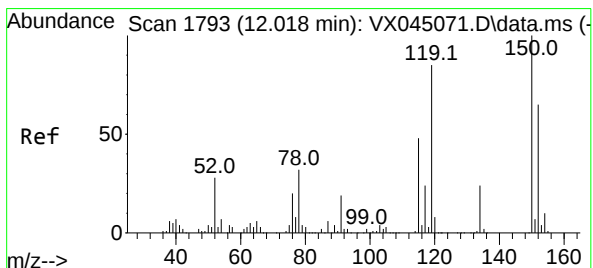
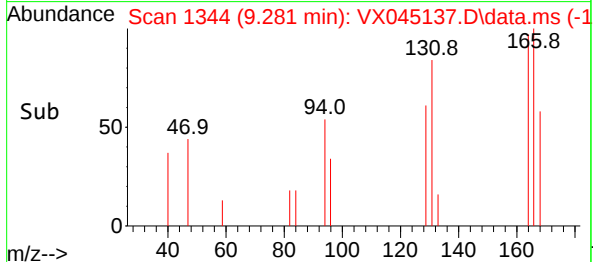
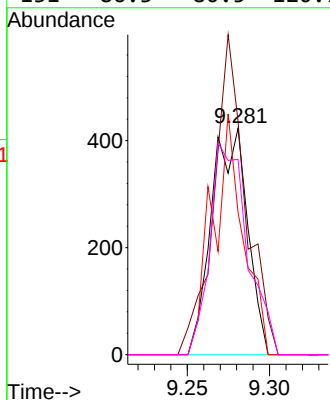
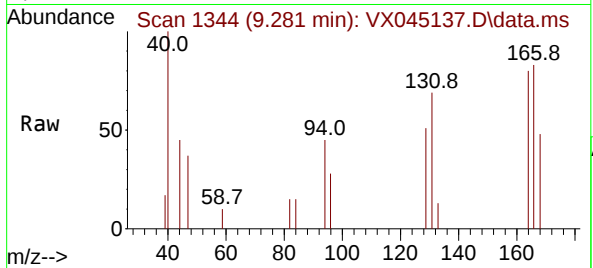




#64
Tetrachloroethene
Concen: 0.767 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

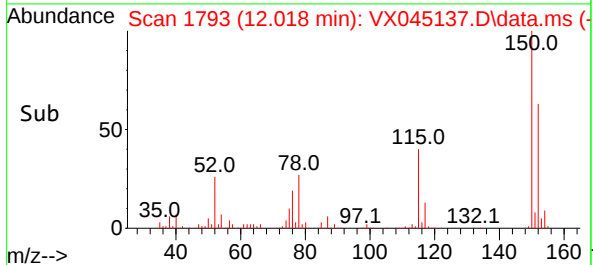
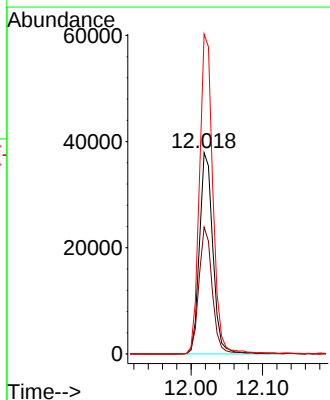
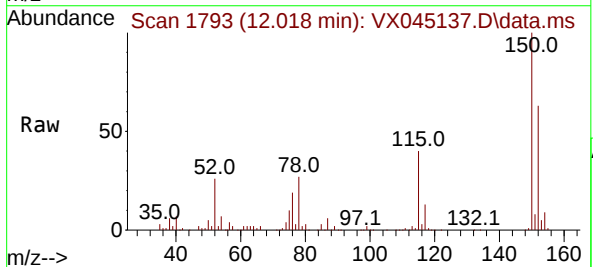
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

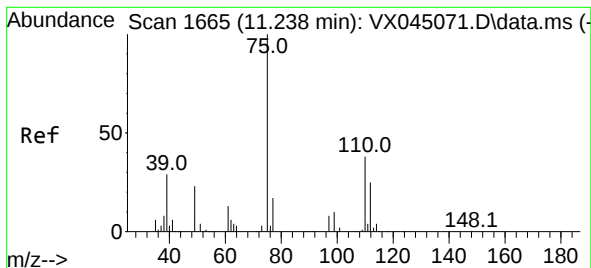
Tgt Ion:164 Resp: 646
Ion Ratio Lower Upper
164 100
166 103.1 103.6 155.4#
129 62.9 82.7 124.1#
131 86.3 80.5 120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion:152 Resp: 49478
Ion Ratio Lower Upper
152 100
115 62.6 44.2 132.6
150 158.8 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 26.494 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

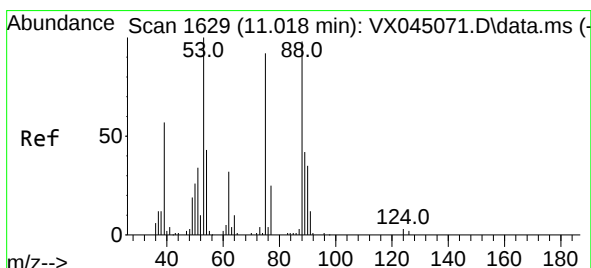
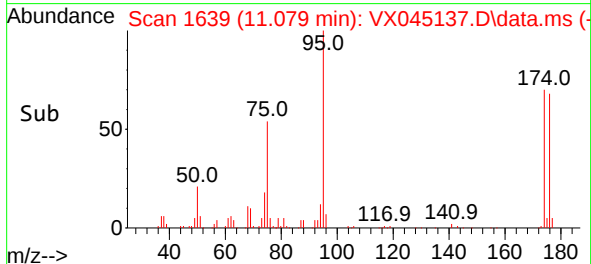
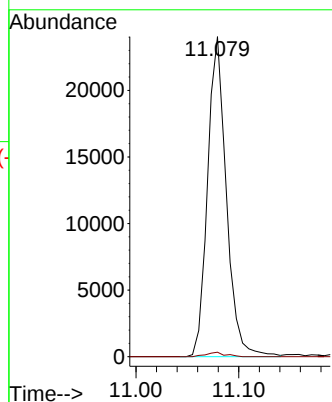
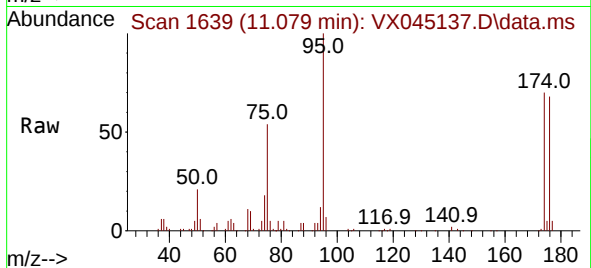
IDW-AQ-DRUM-614-022825DL

Tgt Ion: 75 Resp: 30511

Ion Ratio Lower Upper

75 100

77 1.4 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.668 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Tgt Ion: 75 Resp: 30511

Ion Ratio Lower Upper

75 100

53 0.0 88.5 132.7#

89 0.0 36.2 54.4#

