

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045136.D
 Acq On : 05 Mar 2025 12:50
 Operator : JC/MD
 Sample : Q1478-04DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 06 01:04:06 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)

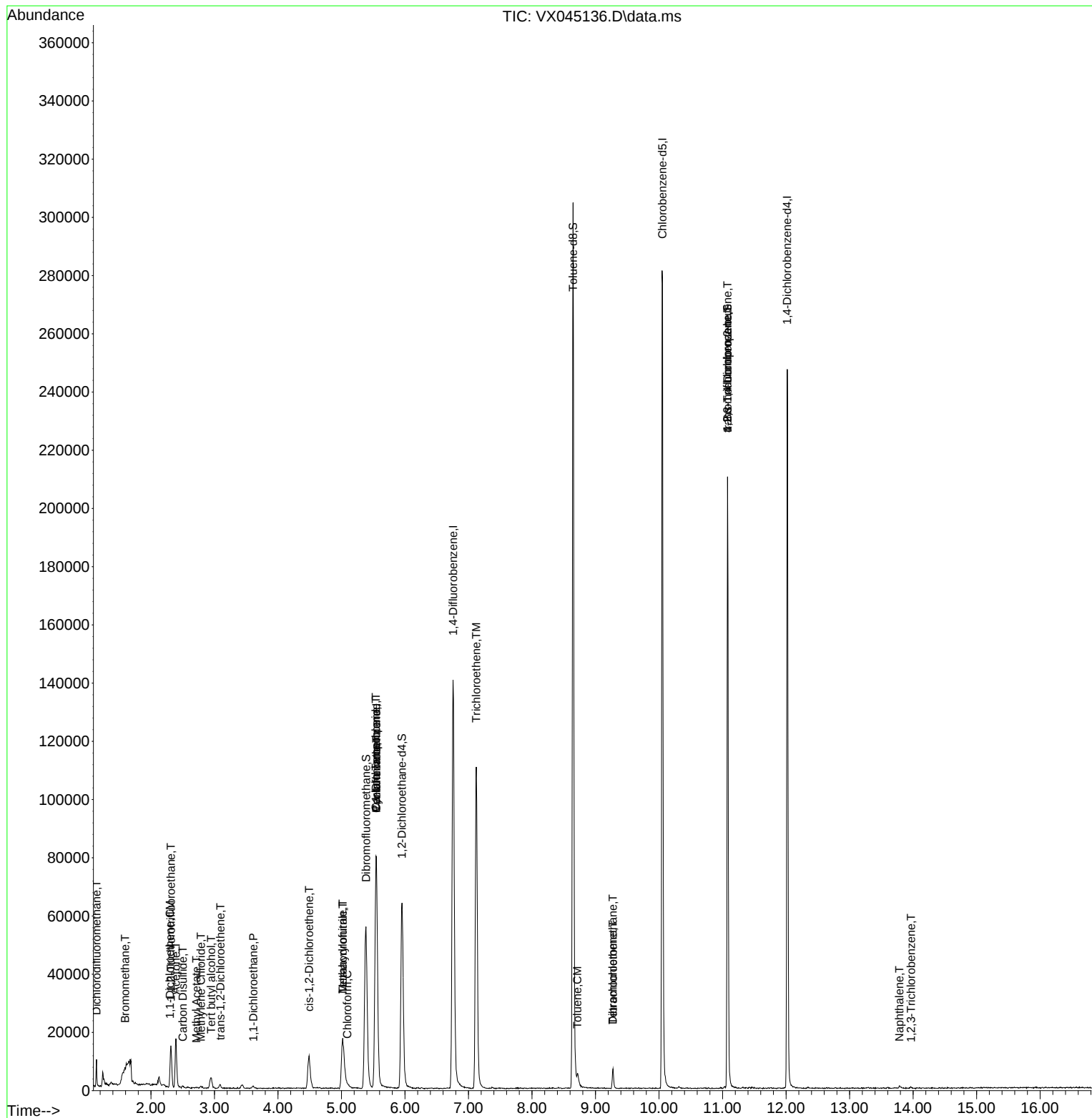
Internal Standards						
1) Pentafluorobenzene	5.550	168	75457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60925	50.760	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.520%	
35) Dibromofluoromethane	5.385	113	49272	50.489	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.980%	
50) Toluene-d8	8.647	98	180498	51.017	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.040%	
62) 4-Bromofluorobenzene	11.079	95	55350	47.212	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.420%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.142	85	775	0.816	ug/l	73
5) Bromomethane	1.593	94	147	0.324	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.313	101	5322	6.068	ug/l	98
11) Tert butyl alcohol	2.947	59	2492	10.961	ug/l #	73
12) 1,1-Dichloroethene	2.300	96	447	0.482	ug/l #	84
16) Acetone	2.392	43	18948	34.025	ug/l	97
17) Carbon Disulfide	2.502	76	686	0.278	ug/l #	77
18) Methyl Acetate	2.715	43	514	0.384	ug/l #	54
20) Methylene Chloride	2.788	84	315	0.286	ug/l #	61
21) trans-1,2-Dichloroethene	3.093	96	428	0.467	ug/l #	81
24) 1,1-Dichloroethane	3.611	63	1111	0.591	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	7106	6.284	ug/l	95
29) Tetrahydrofuran	5.019	42	18542	32.939	ug/l	97
30) Chloroform	5.093	83	436	0.233	ug/l #	78
31) Cyclohexane	5.550	56	2089	1.279	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	6738	5.035	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7823	5.758	ug/l #	15
41) Methacrylonitrile	5.019	41	10608	11.376	ug/l #	50
44) Trichloroethene	7.123	130	42288	42.614	ug/l	95
52) Toluene	8.714	92	1348	0.544	ug/l	87
60) Dibromochloromethane	9.275	129	1272	1.192	ug/l #	11
64) Tetrachloroethene	9.275	164	1243	1.554	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	30039	26.186	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30039	89.614	ug/l #	6
95) Naphthalene	13.786	128	1060	0.298	ug/l #	85
96) 1,2,3-Trichlorobenzene	13.969	180	215	0.220	ug/l #	75

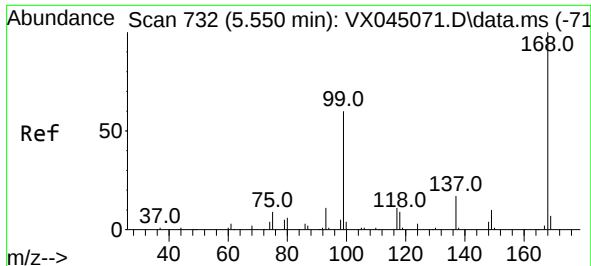
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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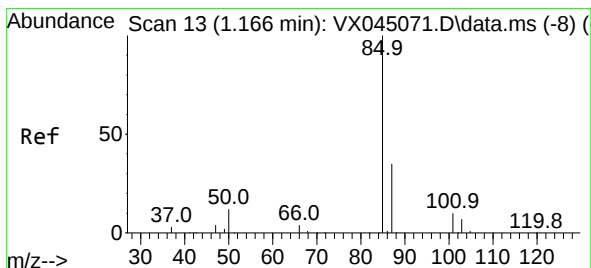
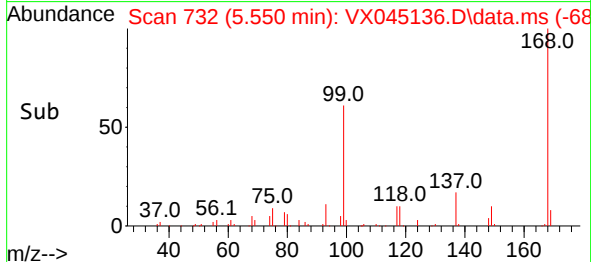
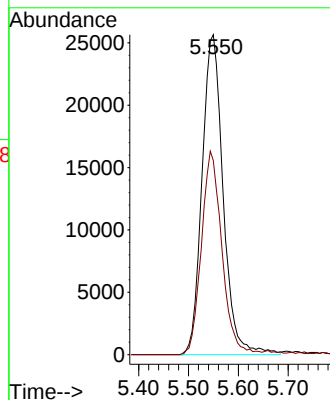
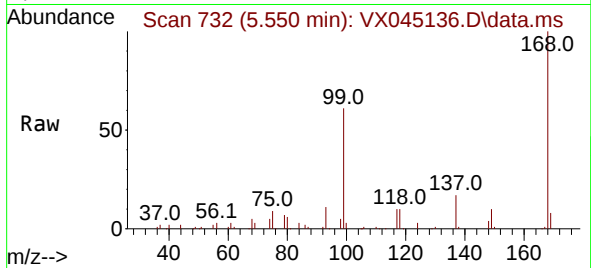




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

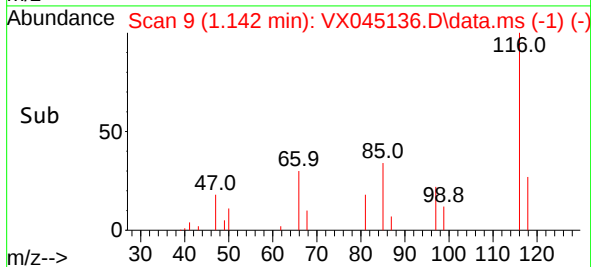
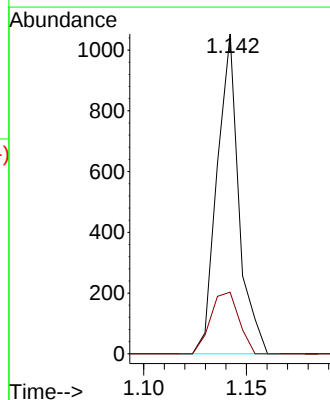
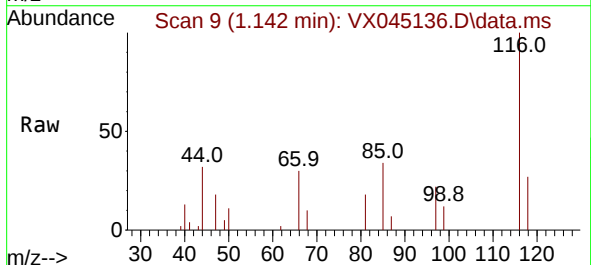
Instrument :
MSVOA_X
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IDW-AQ-DRUM-616-022825DL

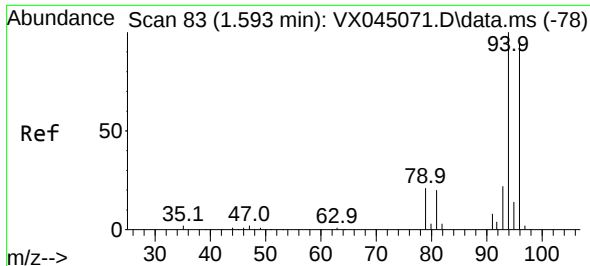
Tgt Ion:168 Resp: 75457
Ion Ratio Lower Upper
168 100
99 60.7 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.816 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 85 Resp: 775
Ion Ratio Lower Upper
85 100
87 19.3 17.4 52.3

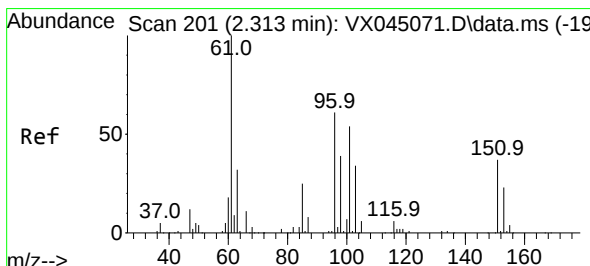
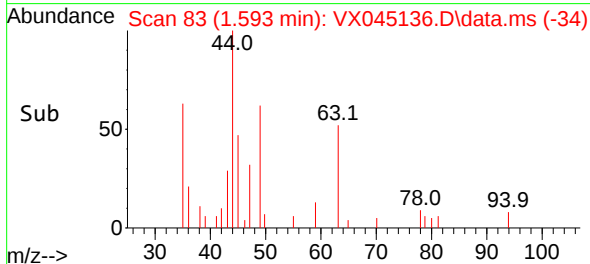
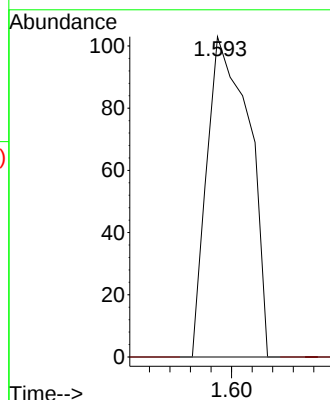
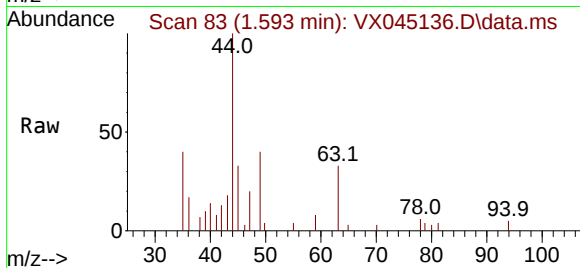




#5
Bromomethane
Concen: 0.324 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

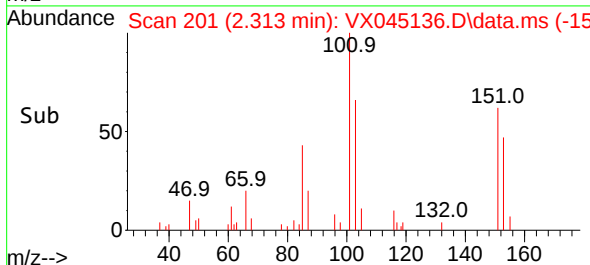
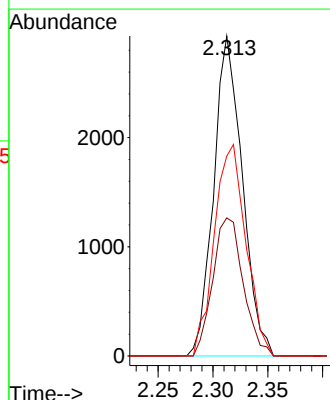
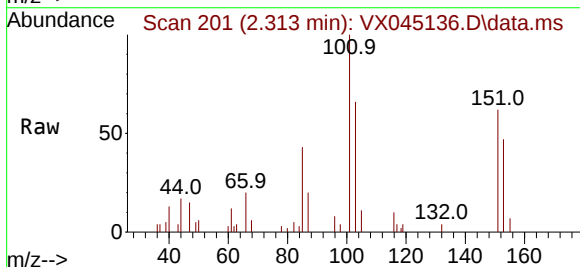
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825DL

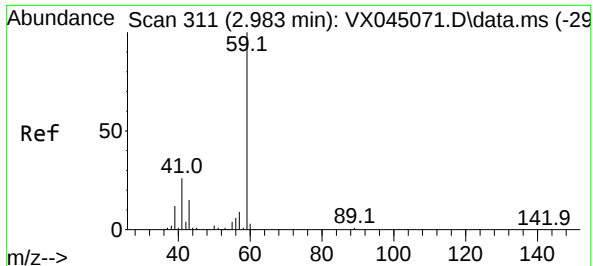
Tgt Ion: 94 Resp: 147
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.068 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion:101 Resp: 5322
Ion Ratio Lower Upper
101 100
85 45.9 36.2 54.4
151 72.8 56.4 84.6

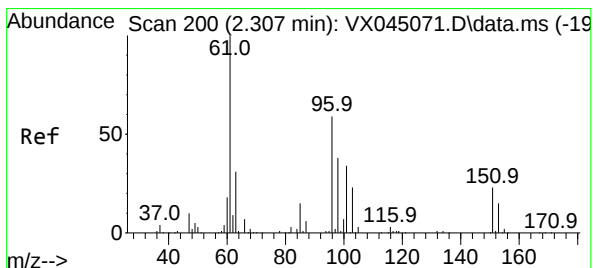
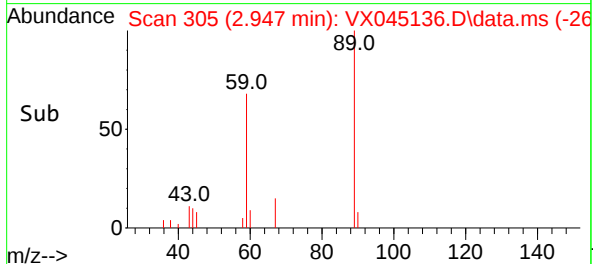
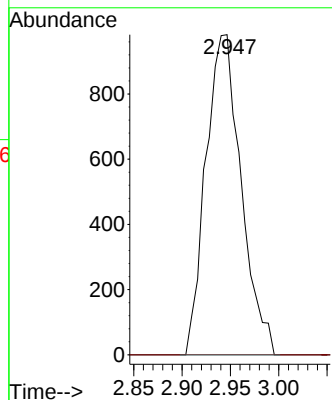
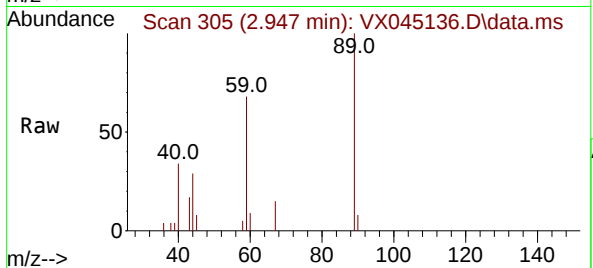




#11
Tert butyl alcohol
Concen: 10.961 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

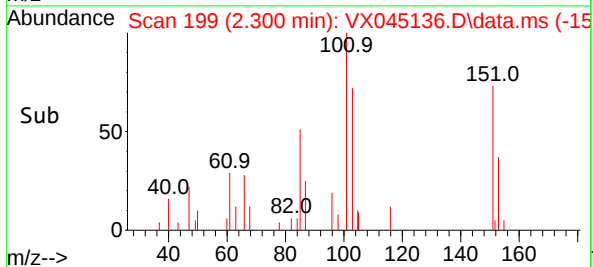
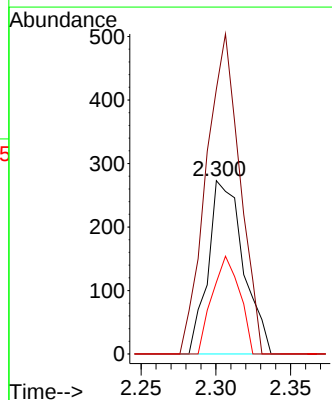
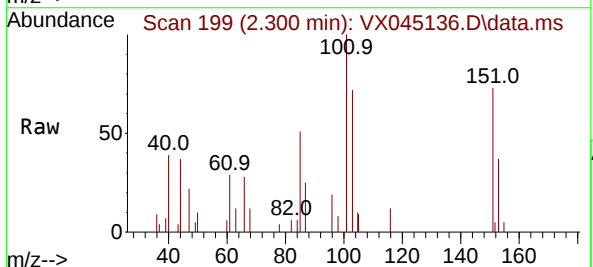
Instrument : MSVOA_X
ClientSampleId : IDW-AQ-DRUM-616-022825DL

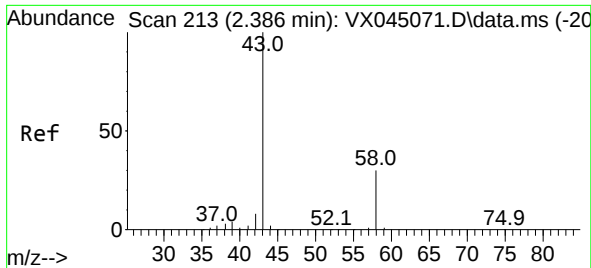
Tgt Ion: 59 Resp: 2492
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.482 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 96 Resp: 447
Ion Ratio Lower Upper
96 100
61 152.7 134.6 202.0
98 41.4 51.0 76.6#

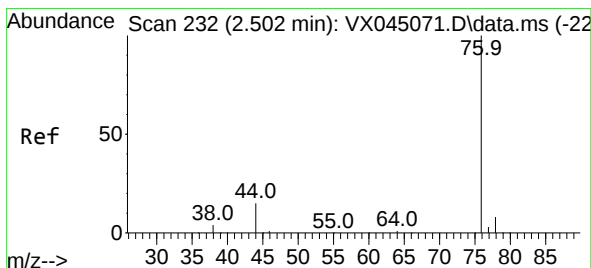
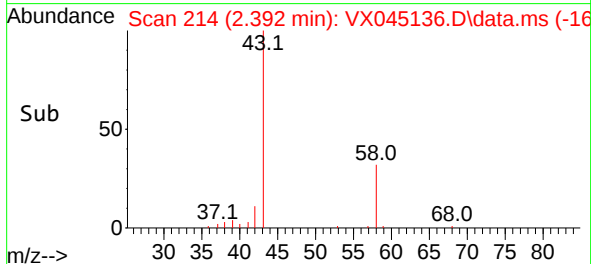
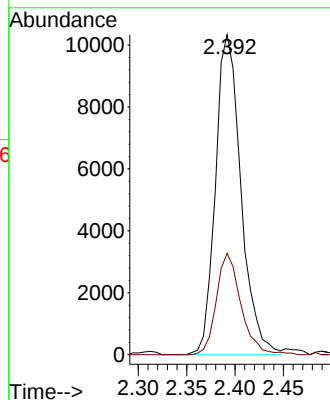
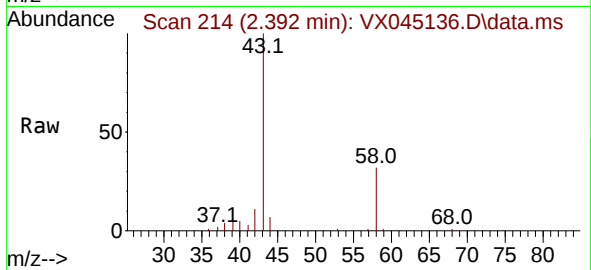




#16
Acetone
Concen: 34.025 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

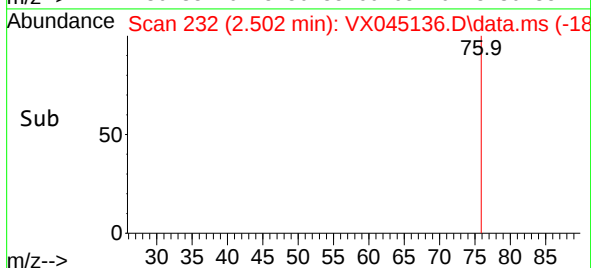
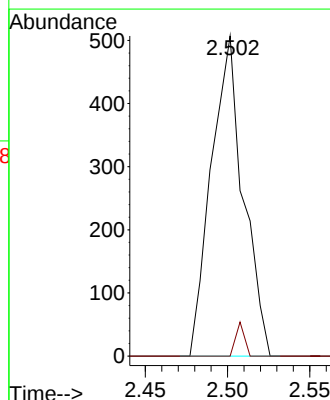
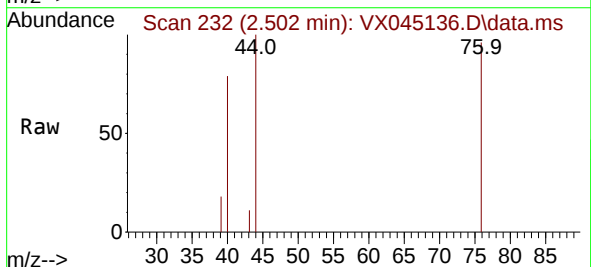
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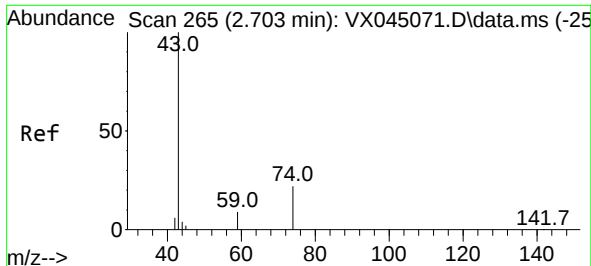
Tgt Ion: 43 Resp: 18948
Ion Ratio Lower Upper
43 100
58 31.7 24.2 36.4



#17
Carbon Disulfide
Concen: 0.278 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 76 Resp: 686
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#

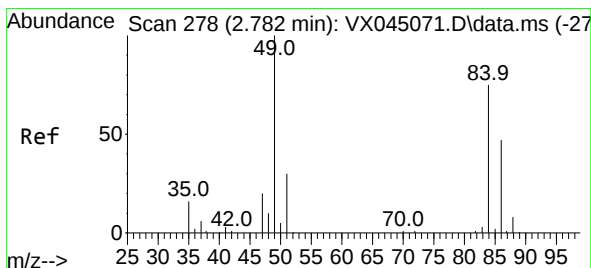
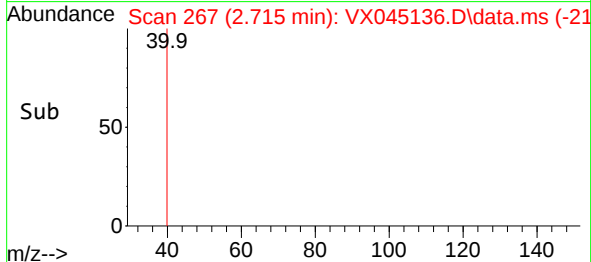
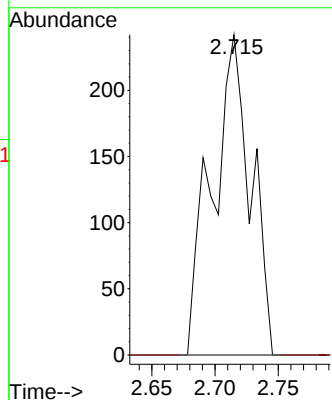
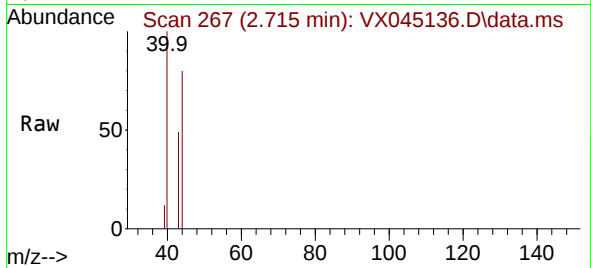




#18
Methyl Acetate
Concen: 0.384 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

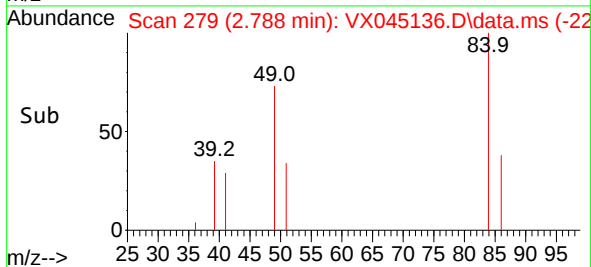
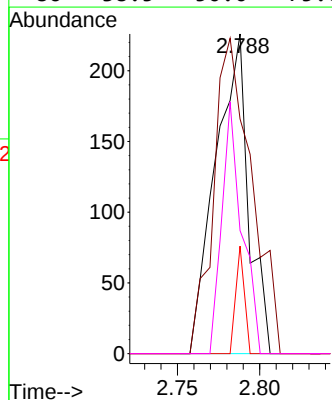
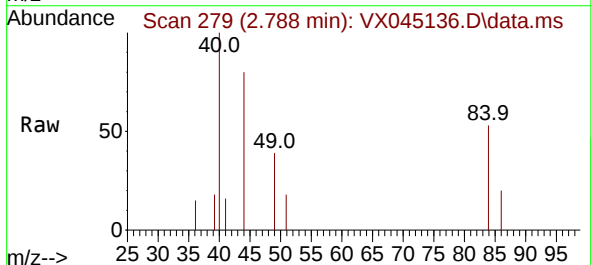
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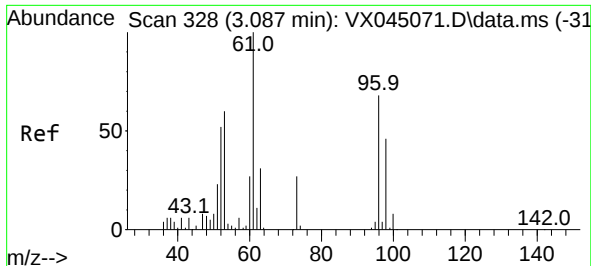
Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.286 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 84 Resp: 315
Ion Ratio Lower Upper
84 100
49 73.5 106.5 159.7#
51 33.6 32.1 48.1
86 38.5 50.0 75.0#

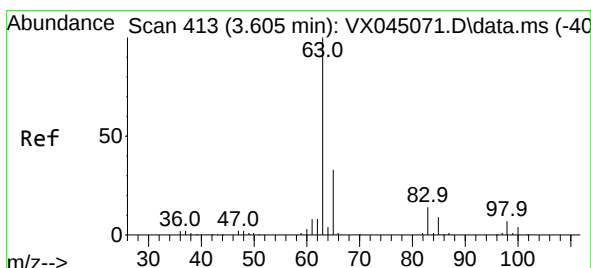
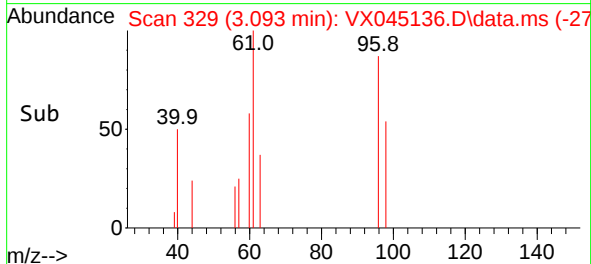
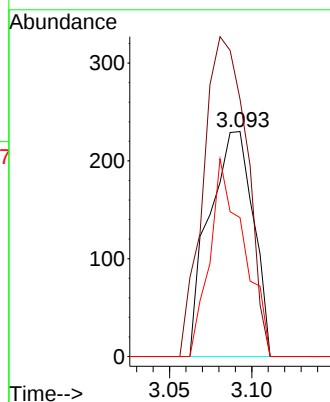
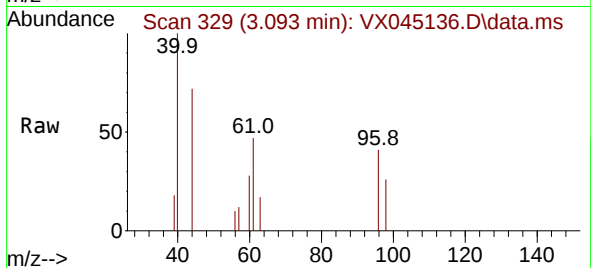




#21
trans-1,2-Dichloroethene
Concen: 0.467 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

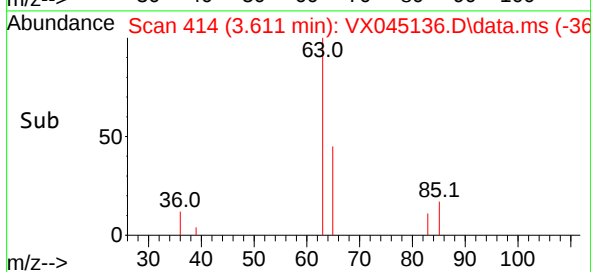
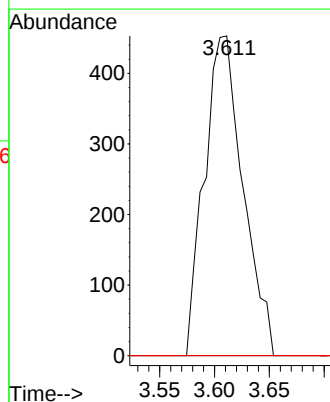
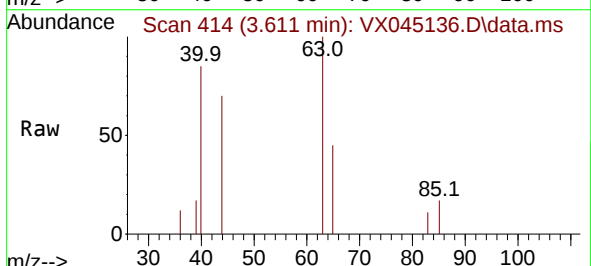
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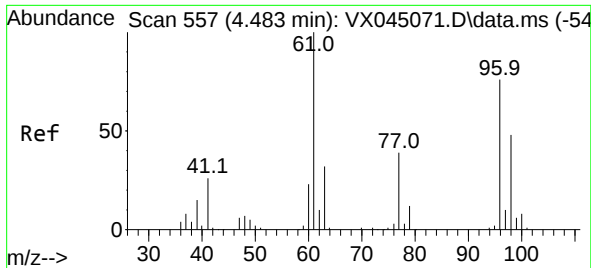
Tgt Ion: 96 Resp: 428
Ion Ratio Lower Upper
96 100
61 114.3 117.0 175.4#
98 61.7 53.4 80.2



#24
1,1-Dichloroethane
Concen: 0.591 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 63 Resp: 1111
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: 6.284 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Instrument :

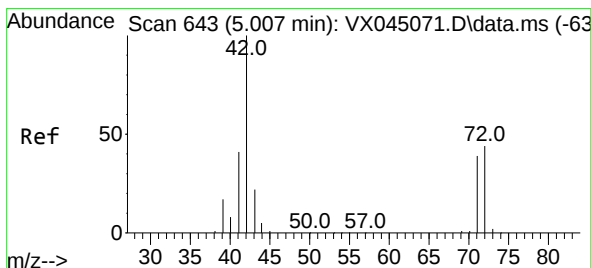
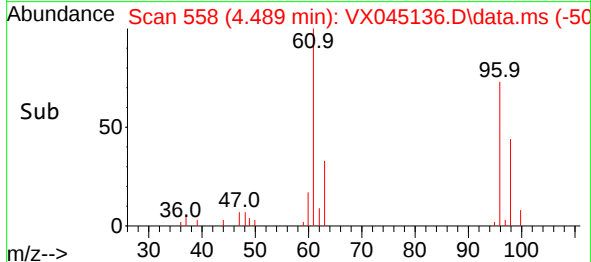
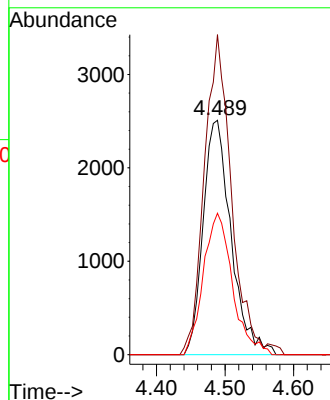
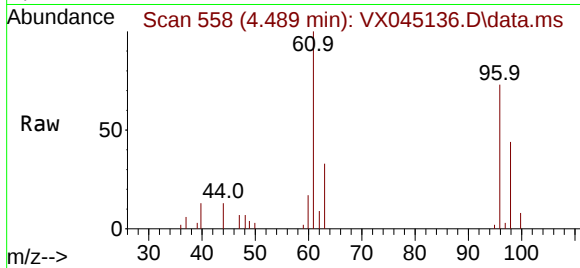
MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825DL

Tgt Ion: 96 Resp: 7106

Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	283.2
98	62.8	0.0	128.0



#29

Tetrahydrofuran

Concen: 32.939 ug/l

RT: 5.019 min Scan# 645

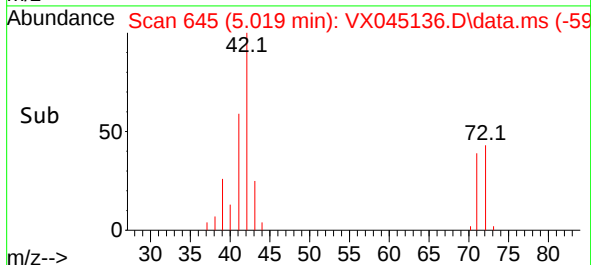
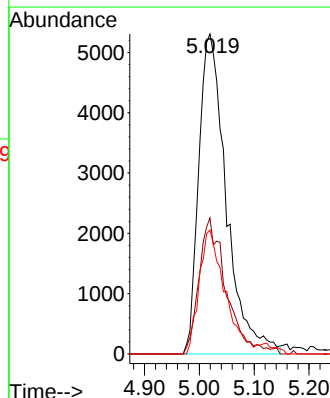
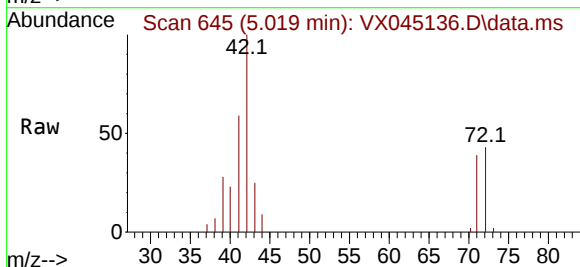
Delta R.T. 0.012 min

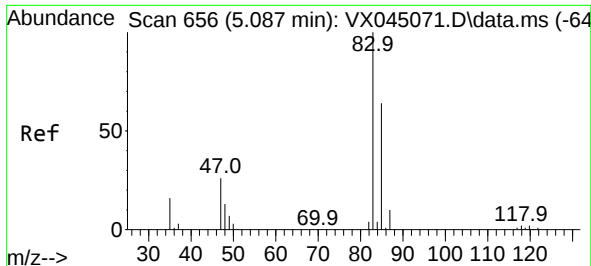
Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Tgt Ion: 42 Resp: 18542

Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.1	51.1
71	36.1	31.4	47.0





#30

Chloroform

Concen: 0.233 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

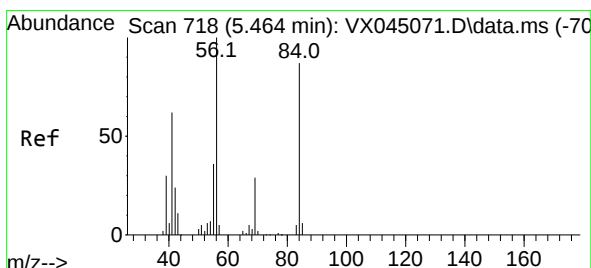
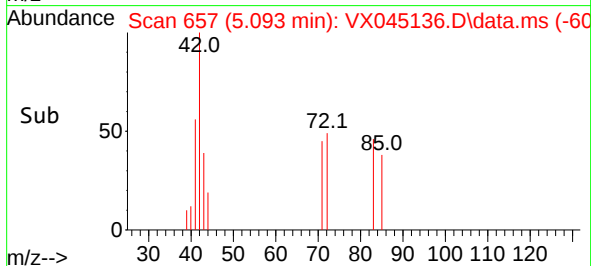
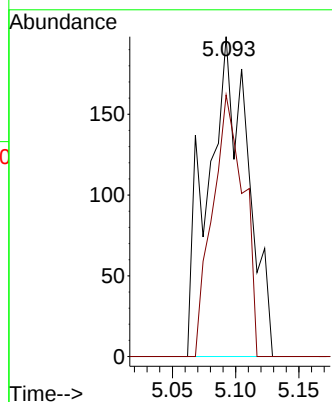
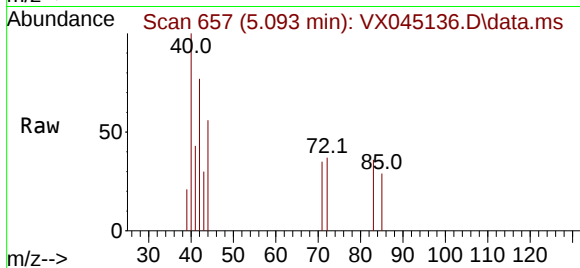
IDW-AQ-DRUM-616-022825DL

Tgt Ion: 83 Resp: 436

Ion Ratio Lower Upper

83 100

85 81.8 51.4 77.2#



#31

Cyclohexane

Concen: 1.279 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

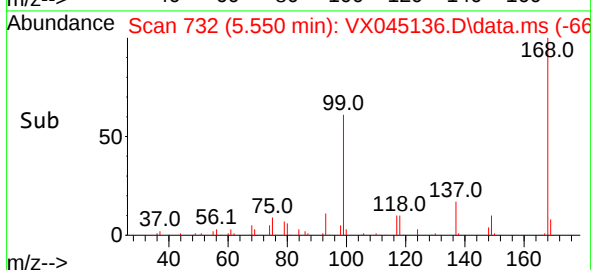
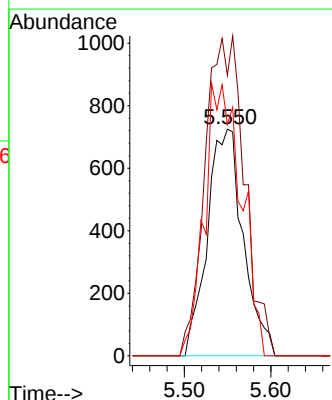
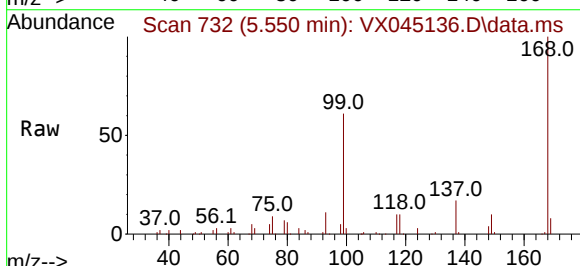
Tgt Ion: 56 Resp: 2089

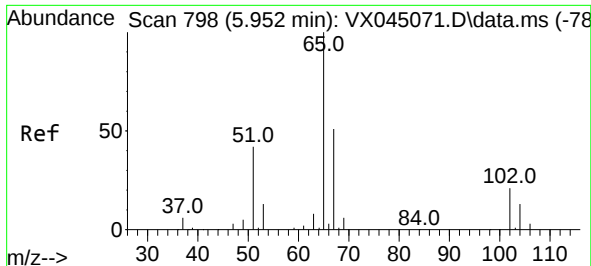
Ion Ratio Lower Upper

56 100

69 123.7 23.4 35.2#

84 102.1 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 50.760 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

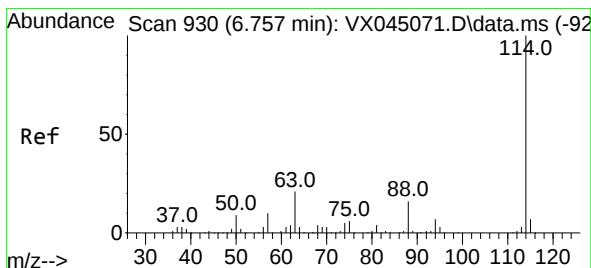
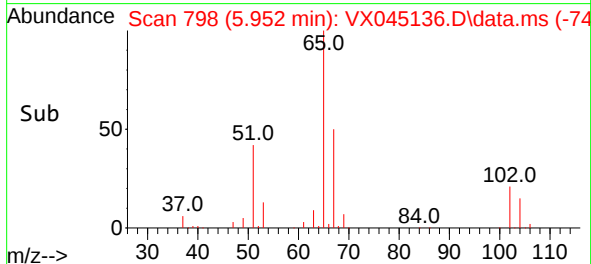
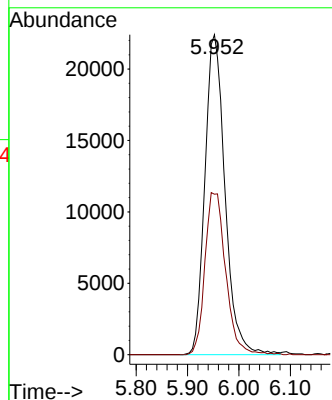
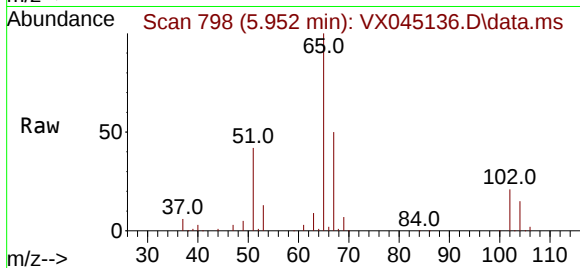
IDW-AQ-DRUM-616-022825DL

Tgt Ion: 65 Resp: 60925

Ion Ratio Lower Upper

65 100

67 52.3 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: VX045136.D

Acq: 05 Mar 2025 12:50

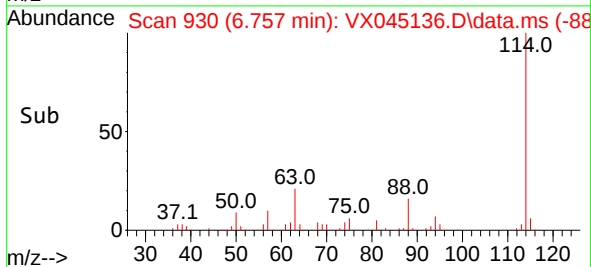
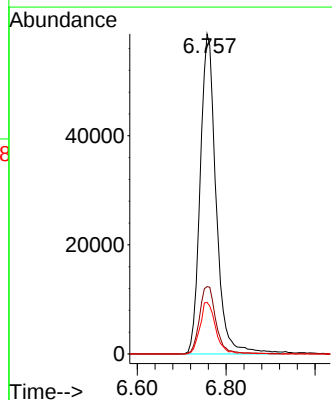
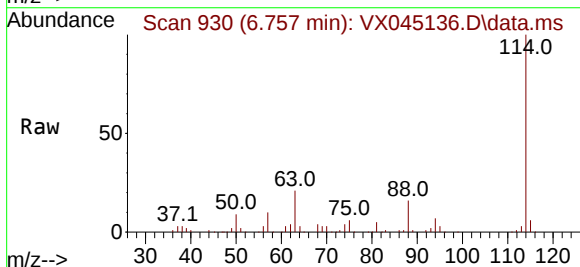
Tgt Ion: 114 Resp: 145945

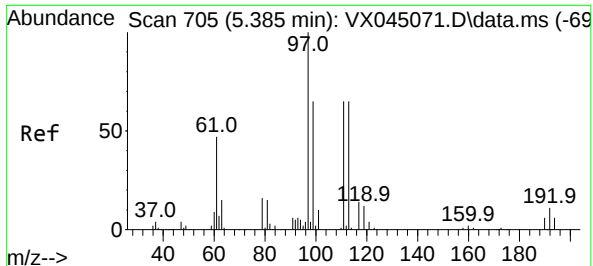
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.8

88 16.1 0.0 32.8

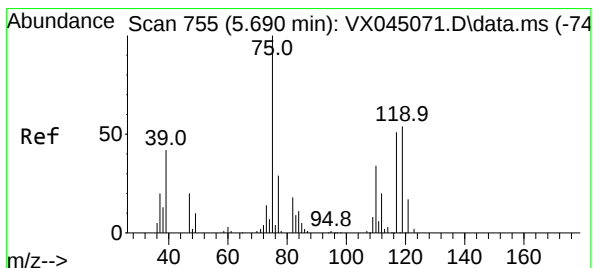
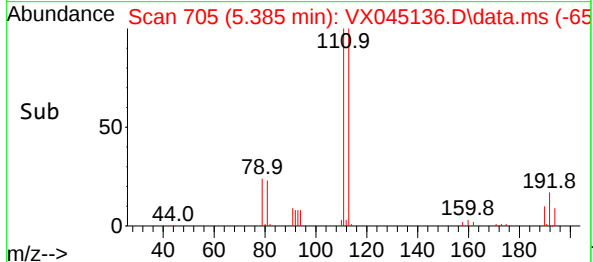
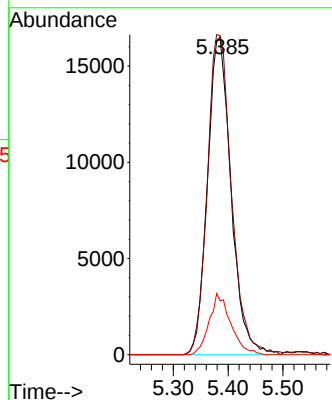
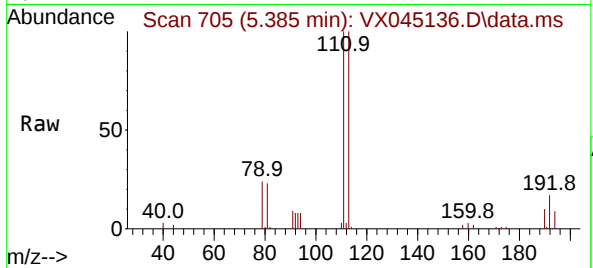




#35
Dibromofluoromethane
Concen: 50.489 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

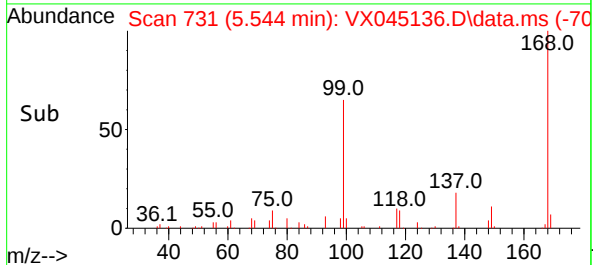
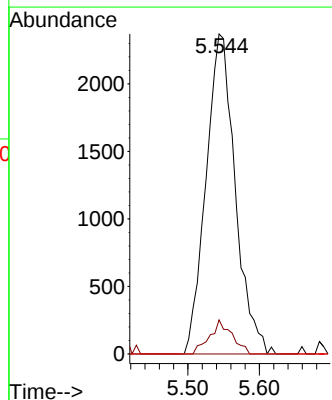
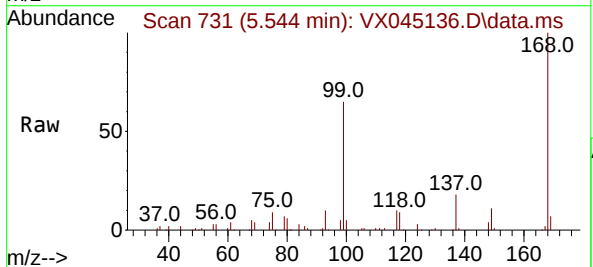
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825DL

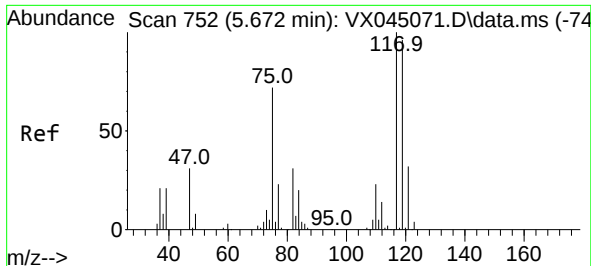
Tgt Ion:113 Resp: 49272
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 17.6 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.035 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

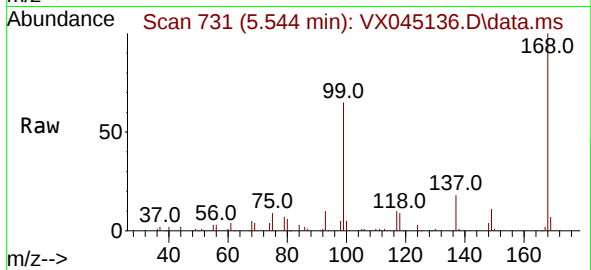
Tgt Ion: 75 Resp: 6738
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 24.5 36.7#



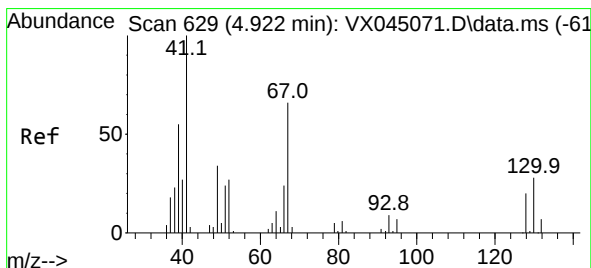
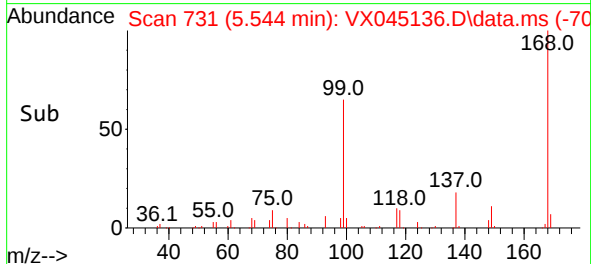
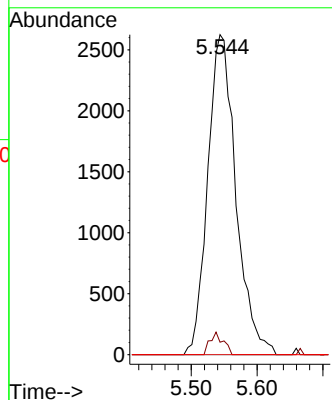


#38
Carbon Tetrachloride
Concen: 5.758 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

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

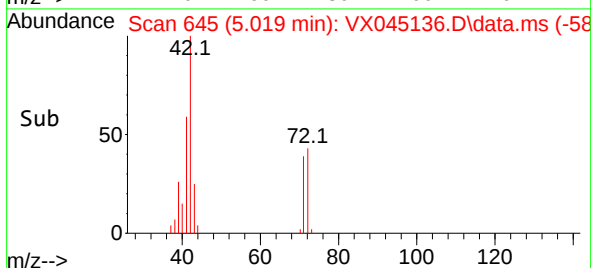
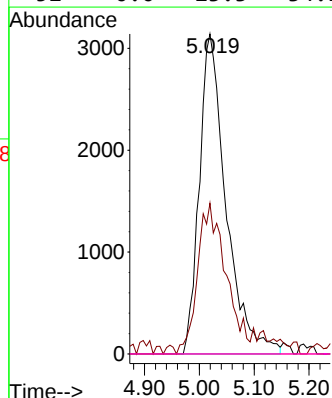
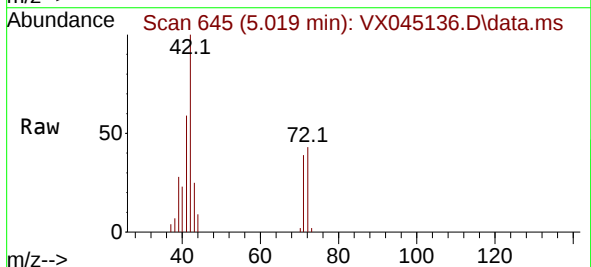


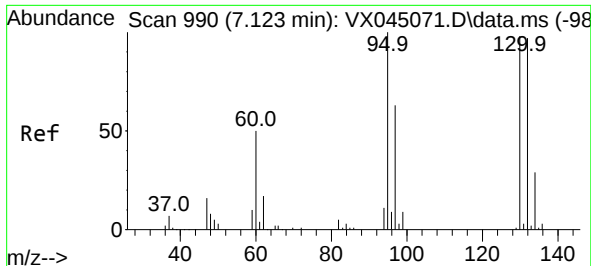
Tgt Ion:117 Resp: 7823
Ion Ratio Lower Upper
117 100
119 3.9 76.7 115.1#
121 0.0 25.5 38.3#



#41
Methacrylonitrile
Concen: 11.376 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 41 Resp: 10608
Ion Ratio Lower Upper
41 100
39 50.2 44.6 67.0
67 0.0 53.9 80.9#
52 0.0 23.3 34.9#

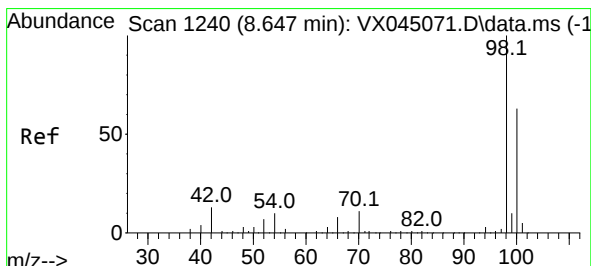
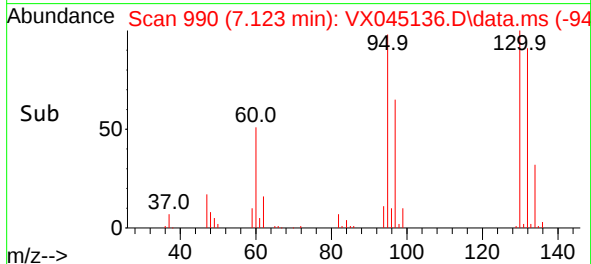
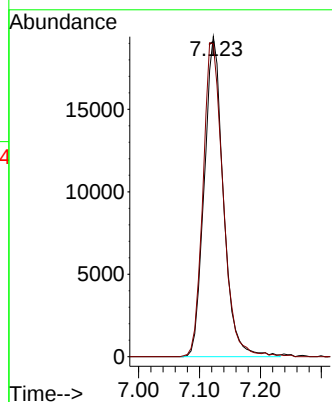
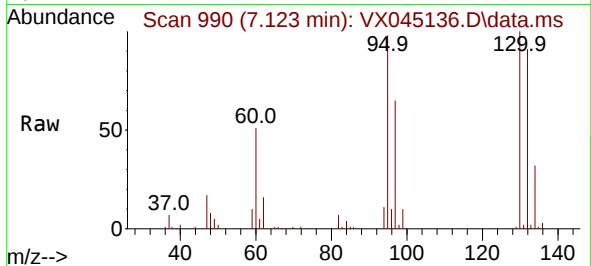




#44
Trichloroethene
Concen: 42.614 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

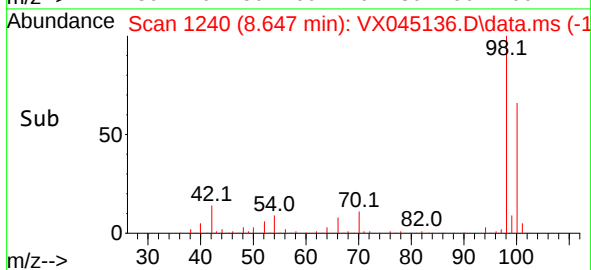
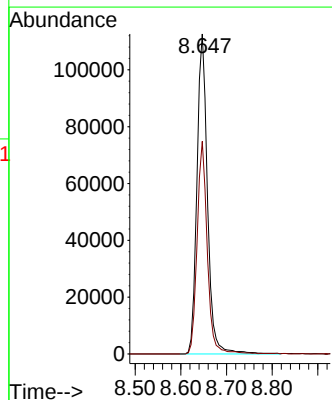
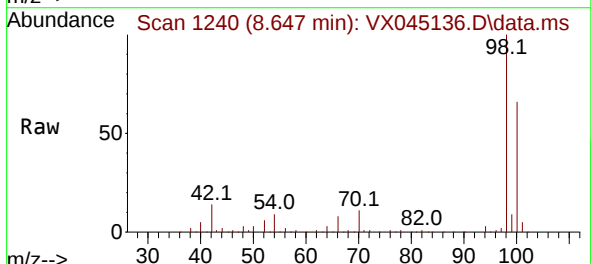
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825DL

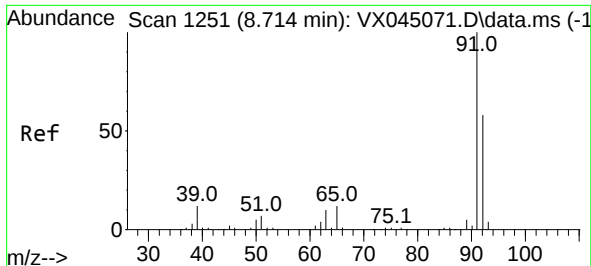
Tgt Ion:130 Resp: 42288
Ion Ratio Lower Upper
130 100
95 97.7 0.0 205.0



#50
Toluene-d8
Concen: 51.017 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 98 Resp: 180498
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

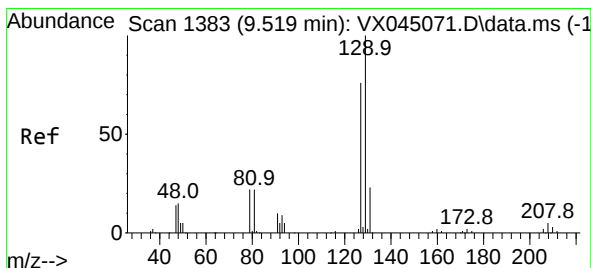
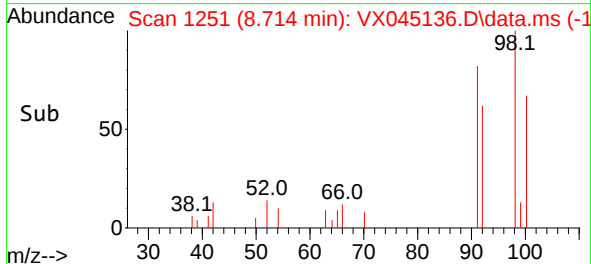
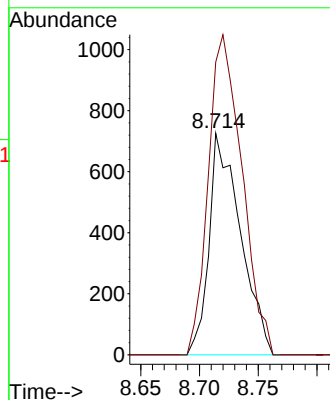
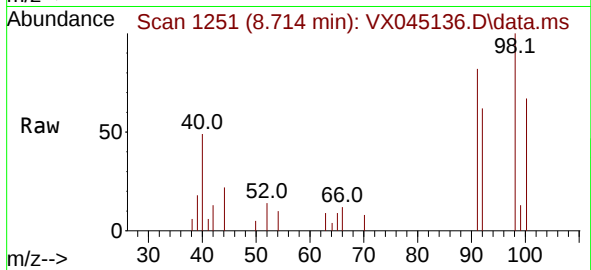




#52
Toluene
Concen: 0.544 ug/l
RT: 8.714 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

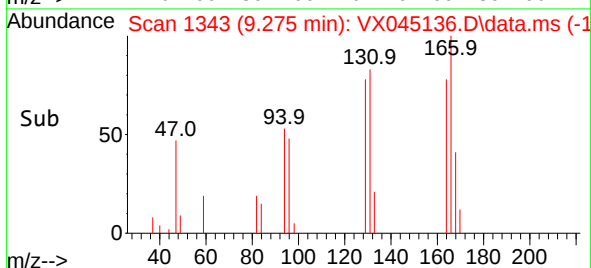
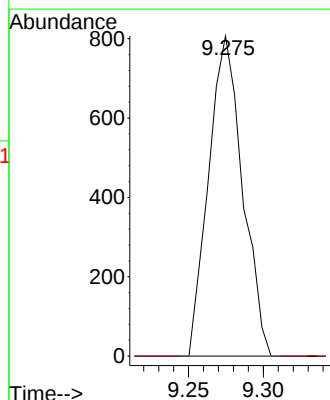
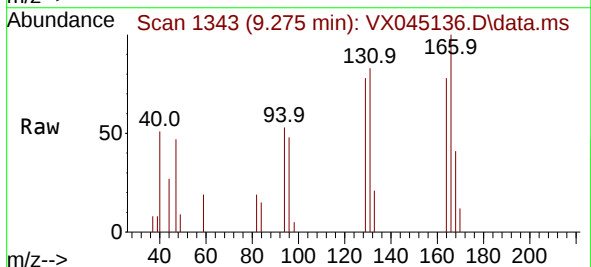
Instrument : MSVOA_X
ClientSampleId : IDW-AQ-DRUM-616-022825DL

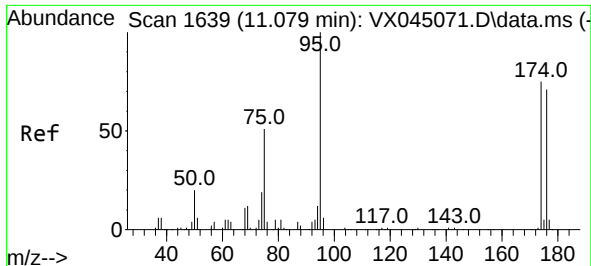
Tgt Ion: 92 Resp: 1348
Ion Ratio Lower Upper
92 100
91 155.3 138.9 208.3



#60
Dibromochloromethane
Concen: 1.192 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 129 Resp: 1272
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

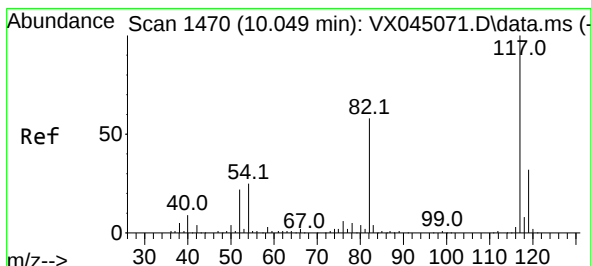
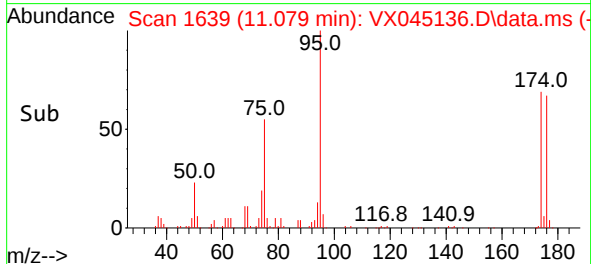
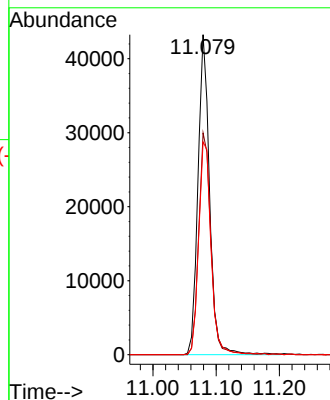
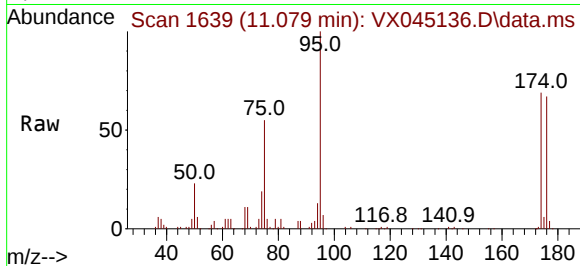




#62
4-Bromofluorobenzene
Concen: 47.212 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

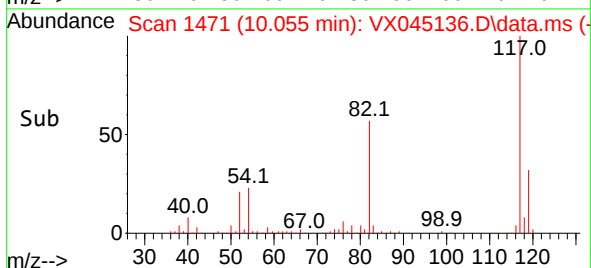
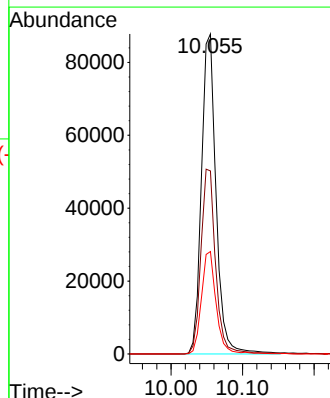
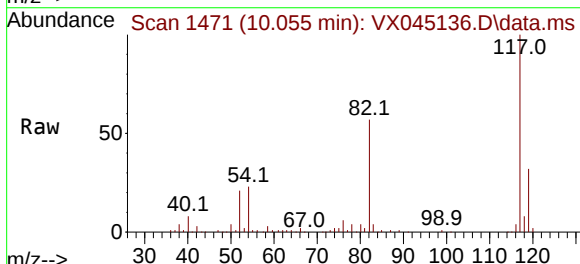
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825DL

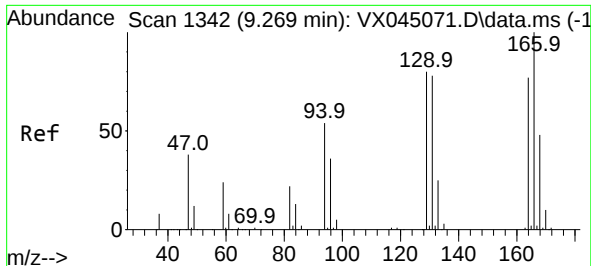
Tgt Ion: 95 Resp: 55350
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.2
176 71.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 117 Resp: 124906
Ion Ratio Lower Upper
117 100
82 57.2 46.3 69.5
119 32.0 25.7 38.5



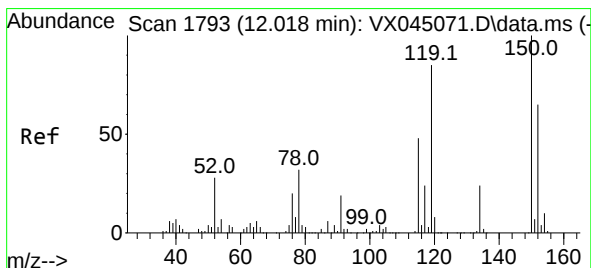
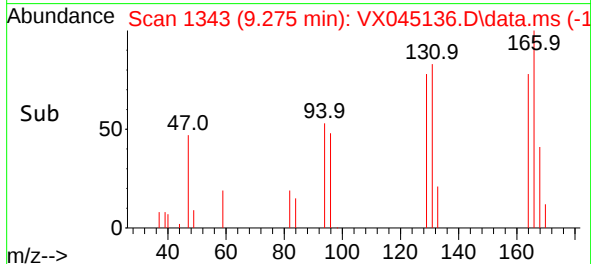
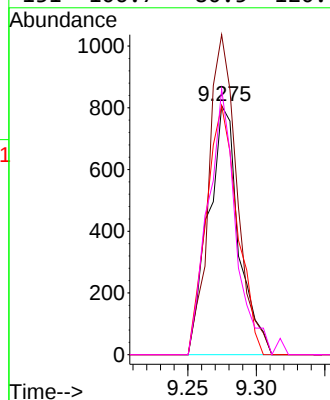
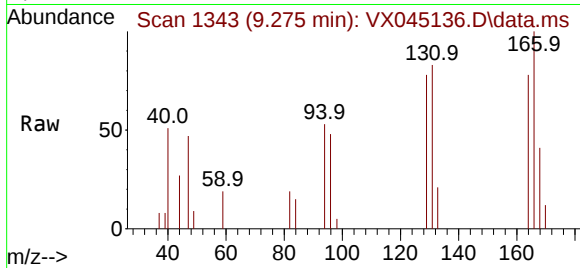


#64
Tetrachloroethene
Concen: 1.554 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

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

Tgt Ion:164 Resp: 1243

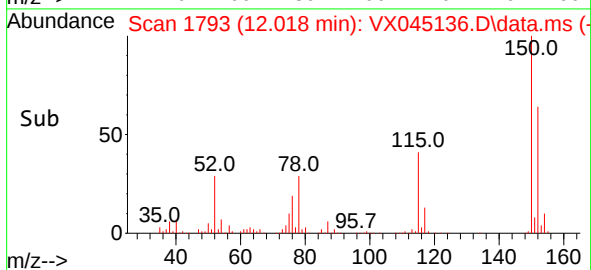
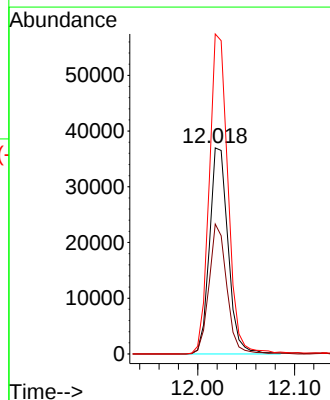
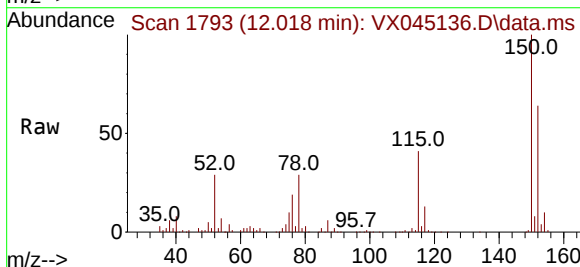
Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.6	155.4
129	100.0	82.7	124.1
131	106.7	80.5	120.7

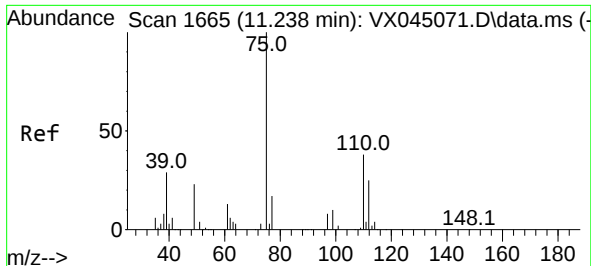


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion:152 Resp: 49286

Ion	Ratio	Lower	Upper
152	100		
115	60.5	44.2	132.6
150	157.1	0.0	349.0

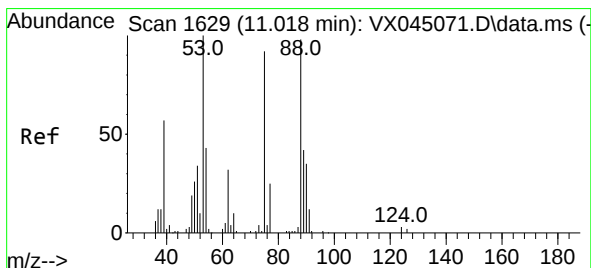
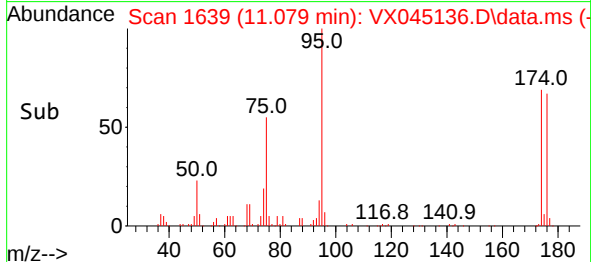
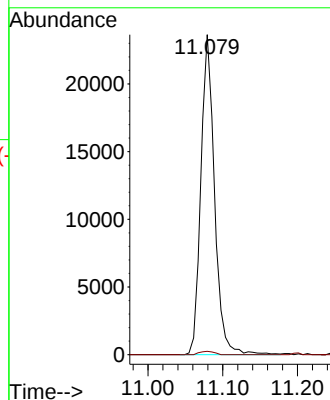
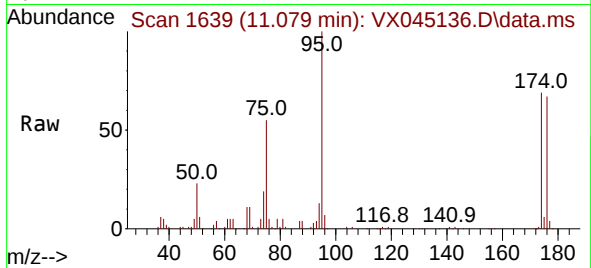




#76
1,2,3-Trichloropropane
Concen: 26.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

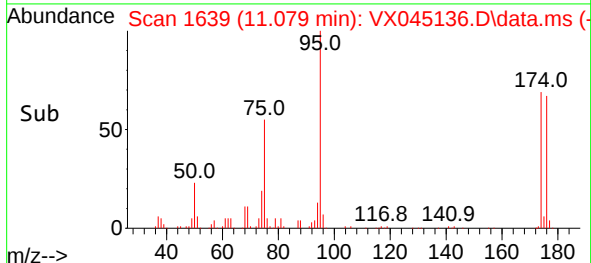
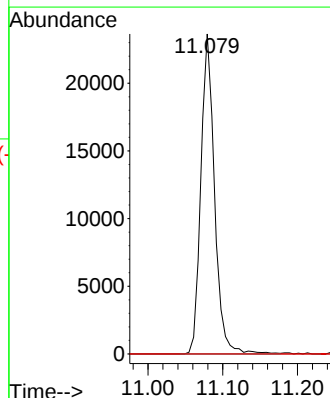
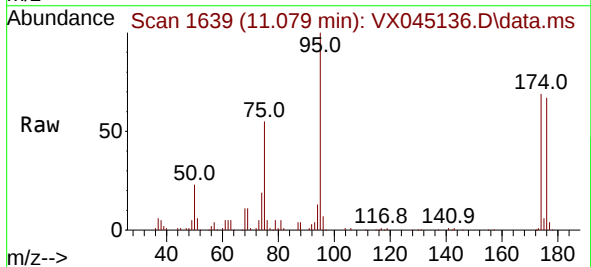
Instrument : MSVOA_X
ClientSampleId : IDW-AQ-DRUM-616-022825DL

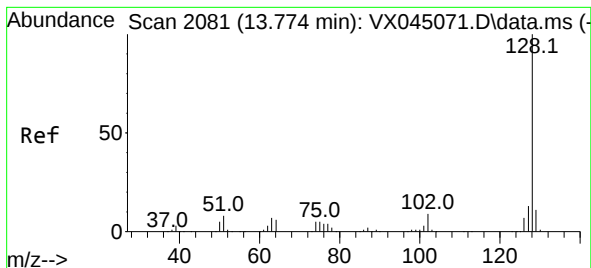
Tgt Ion: 75 Resp: 30039
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.614 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 75 Resp: 30039
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#





#95

Naphthalene

Concen: 0.298 ug/l

RT: 13.786 min Scan# 2081

Delta R.T. 0.012 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825DL

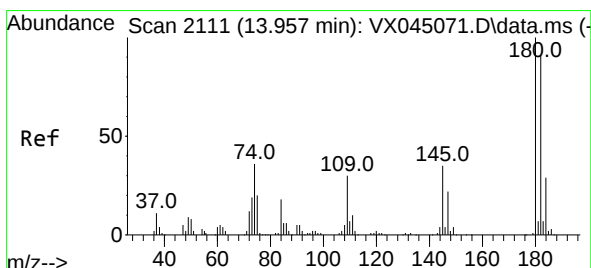
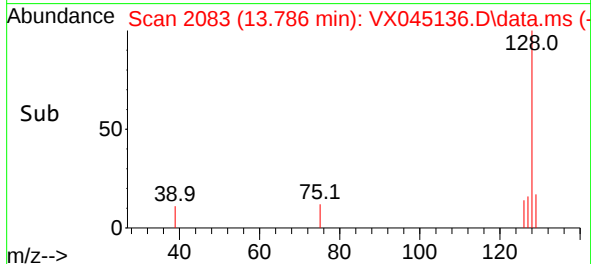
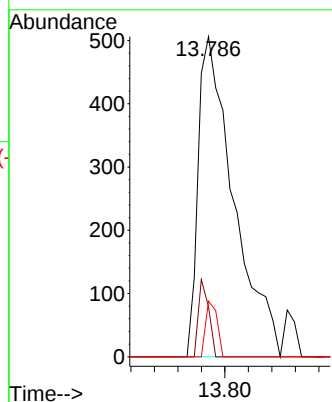
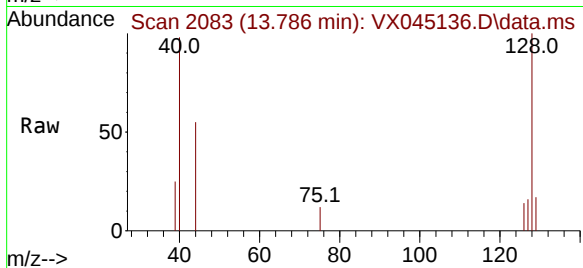
Tgt Ion:128 Resp: 1060

Ion Ratio Lower Upper

128 100

127 7.0 10.3 15.5#

129 5.6 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.220 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.012 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Tgt Ion:180 Resp: 215

Ion Ratio Lower Upper

180 100

182 83.3 47.5 142.6

145 0.0 17.0 50.9#

