

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045233.D
 Acq On : 11 Mar 2025 18:39
 Operator : JC/MD
 Sample : Q1531-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20250306

Quant Time: Mar 12 01:54:09 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)

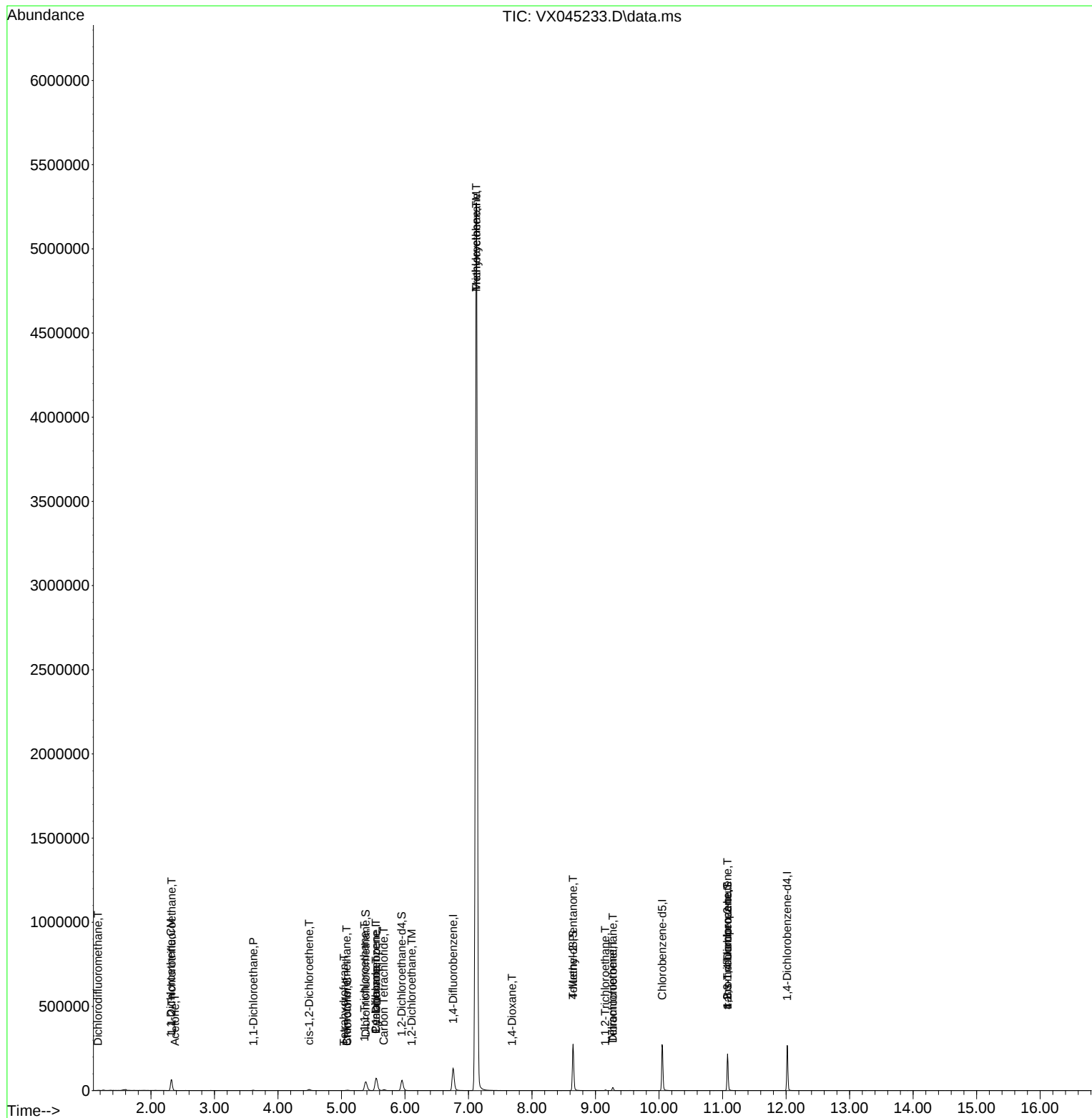
Internal Standards						
1) Pentafluorobenzene	5.543	168	66669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133704	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	57334	54.065	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.120%	
35) Dibromofluoromethane	5.379	113	45774	51.199	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.400%	
50) Toluene-d8	8.647	98	158419	48.876	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.760%	
62) 4-Bromofluorobenzene	11.079	95	55862	52.011	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.020%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	431	0.514	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	21251	27.426	ug/l	98
12) 1,1-Dichloroethene	2.312	96	6277	7.662	ug/l	98
16) Acetone	2.379	43	412	0.837	ug/l #	67
24) 1,1-Dichloroethane	3.611	63	2709	1.630	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	4237	4.241	ug/l	92
28) Bromochloromethane	5.080	49	182	0.230	ug/l #	17
29) Tetrahydrofuran	5.037	42	339	0.682	ug/l #	65
30) Chloroform	5.092	83	3198	1.936	ug/l	93
31) Cyclohexane	5.543	56	1916	1.328	ug/l #	47
32) 1,1,1-Trichloroethane	5.361	97	511	0.383	ug/l #	42
36) 1,1-Dichloropropene	5.543	75	6174	5.036	ug/l #	49
38) Carbon Tetrachloride	5.665	117	4234	3.401	ug/l	99
39) Methylcyclohexane	7.122	83	26819	18.255	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	429	0.308	ug/l #	75
44) Trichloroethene	7.122	130	1912249	2103.423	ug/l	95
49) 1,4-Dioxane	7.683	88	476	19.253	ug/l #	63
51) 4-Methyl-2-Pentanone	8.647	43	826	0.527	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	1135	1.214	ug/l #	83
60) Dibromochloromethane	9.275	129	3154	3.226	ug/l #	11
64) Tetrachloroethene	9.268	164	3328	4.370	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	30513	25.593	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30513	87.585	ug/l #	6

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

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RE105D2-20250306

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Quant Title : SW846 8260
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Response via : Initial Calibration

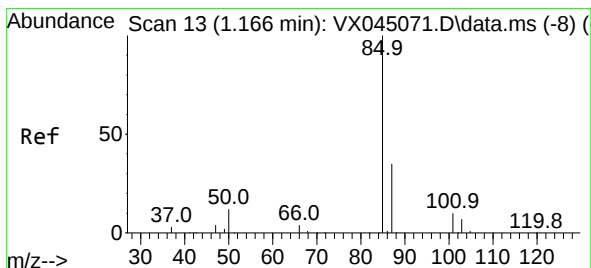
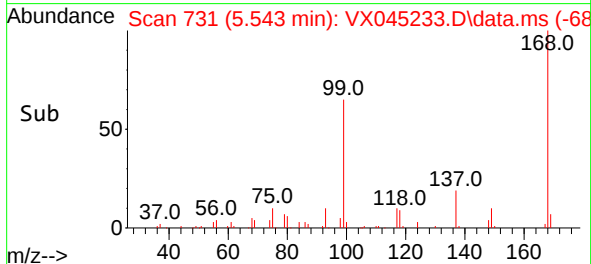
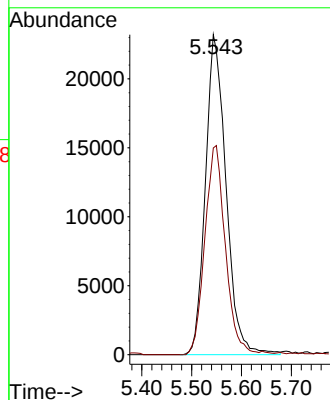
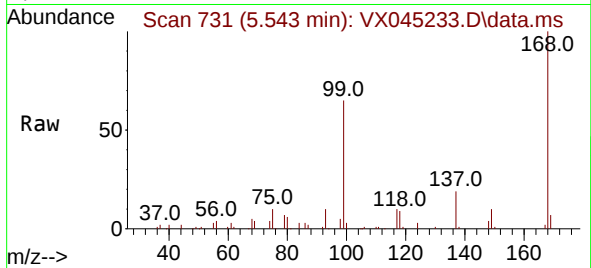




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

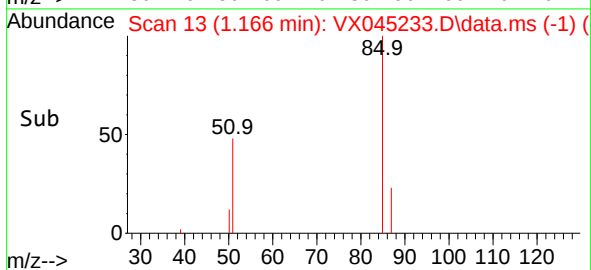
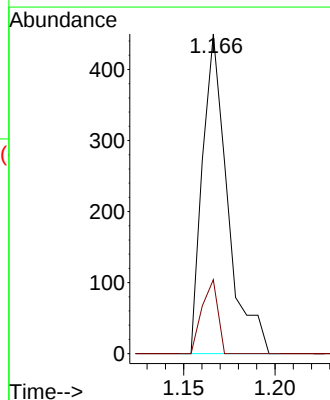
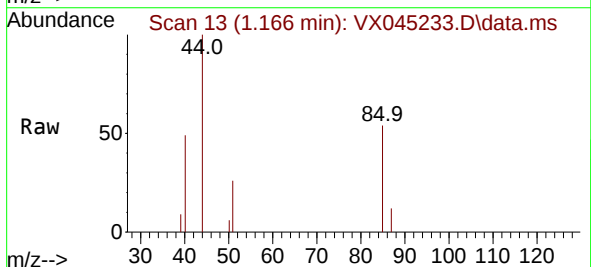
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250306

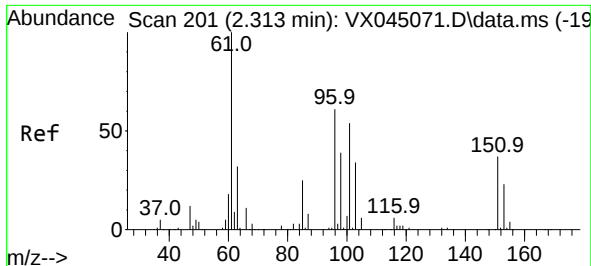
Tgt Ion:168 Resp: 66669
Ion Ratio Lower Upper
168 100
99 64.6 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.514 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 85 Resp: 431
Ion Ratio Lower Upper
85 100
87 23.1 17.4 52.3

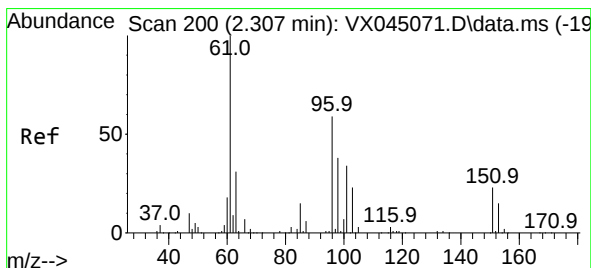
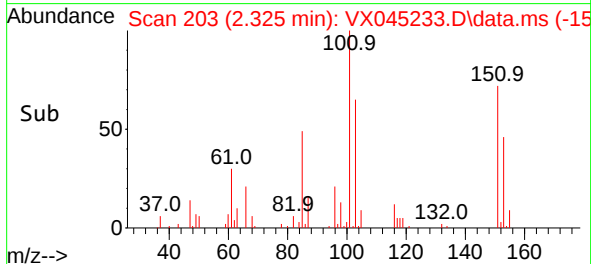
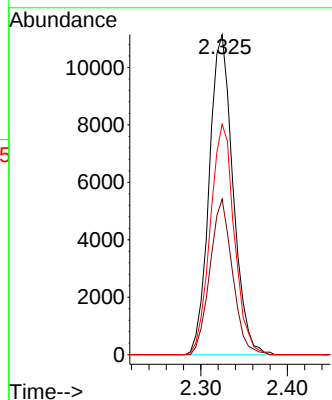
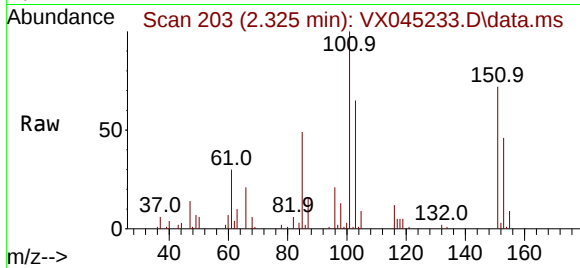




#9
1,1,2-Trichlorotrifluoroethane
Concen: 27.426 ug/l
RT: 2.325 min Scan# 201
Delta R.T. 0.012 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

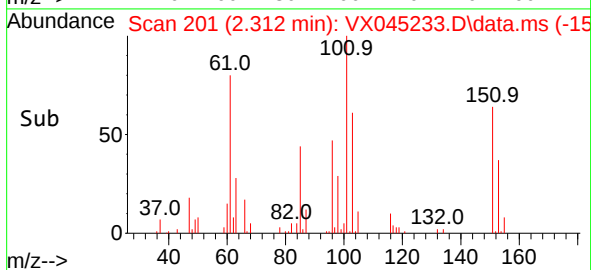
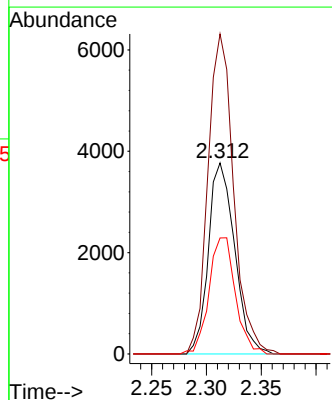
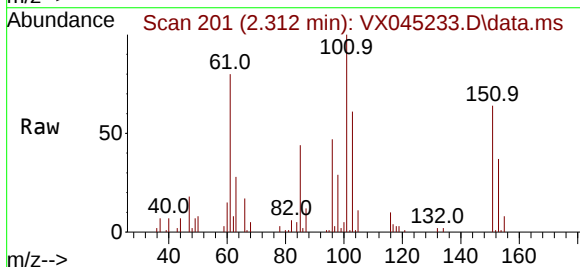
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250306

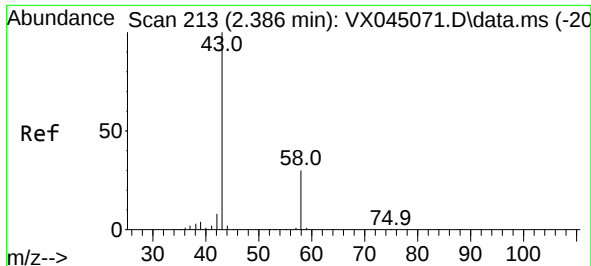
Tgt Ion:101 Resp: 21251
Ion Ratio Lower Upper
101 100
85 46.1 36.2 54.4
151 72.8 56.4 84.6



#12
1,1-Dichloroethene
Concen: 7.662 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 96 Resp: 6277
Ion Ratio Lower Upper
96 100
61 167.5 134.6 202.0
98 60.7 51.0 76.6

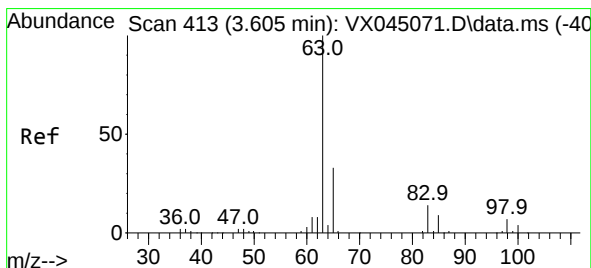
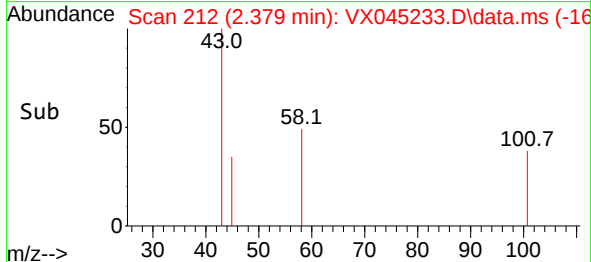
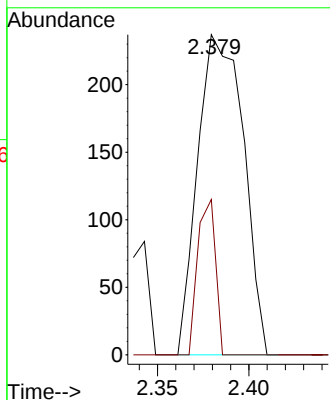
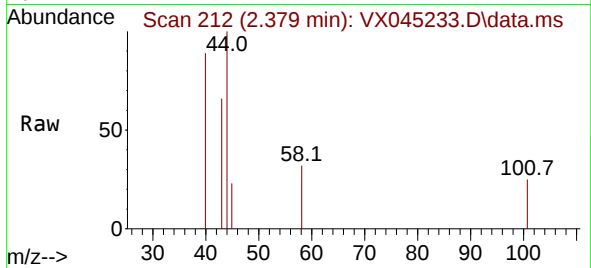




#16
Acetone
Concen: 0.837 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

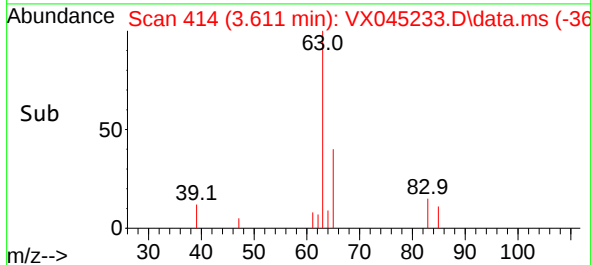
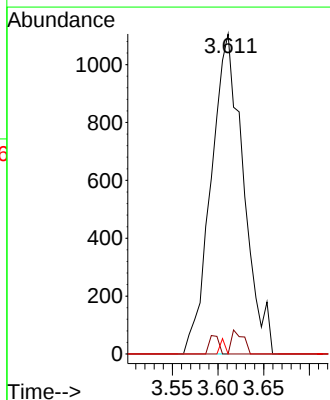
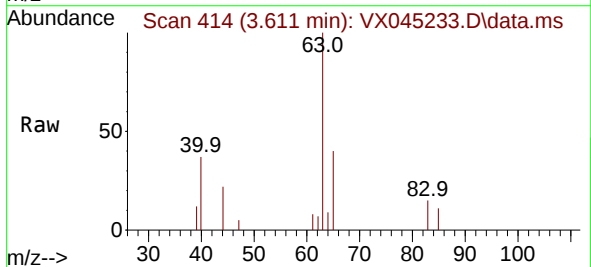
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250306

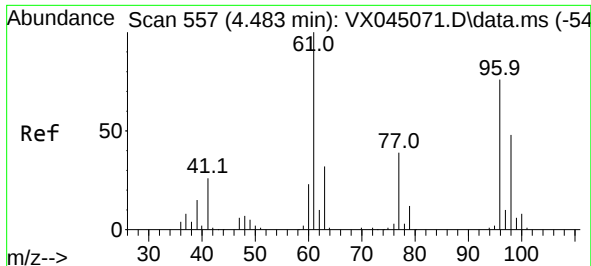
Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
58 48.5 24.2 36.4#



#24
1,1-Dichloroethane
Concen: 1.630 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 63 Resp: 2709
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: 4.241 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045233.D

Acq: 11 Mar 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20250306

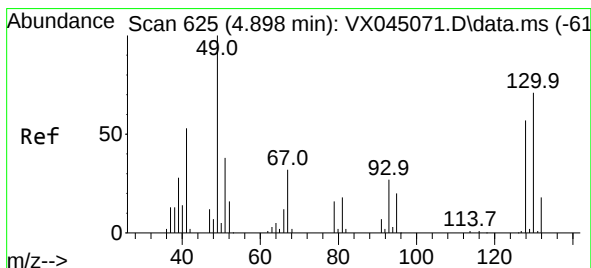
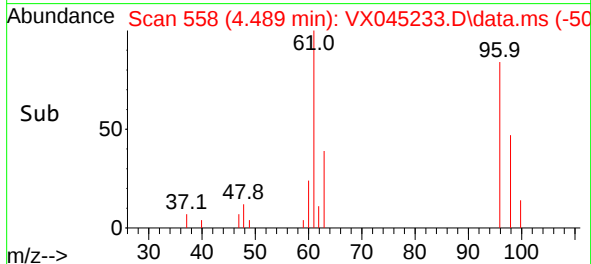
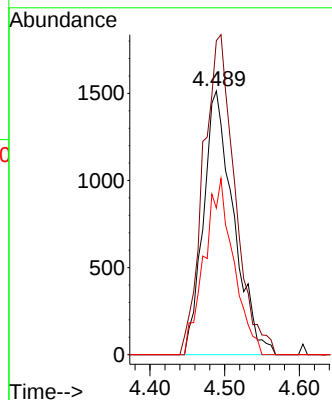
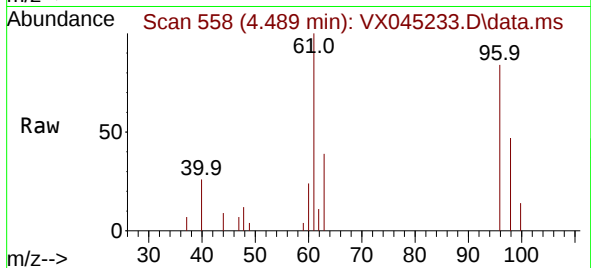
Tgt Ion: 96 Resp: 4237

Ion Ratio Lower Upper

96 100

61 127.5 0.0 283.2

98 64.7 0.0 128.0



#28

Bromochloromethane

Concen: 0.230 ug/l

RT: 5.080 min Scan# 655

Delta R.T. 0.183 min

Lab File: VX045233.D

Acq: 11 Mar 2025 18:39

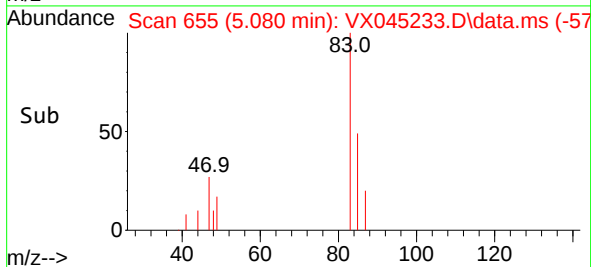
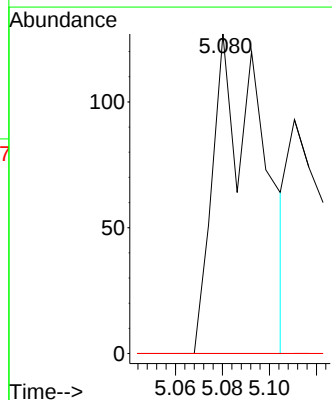
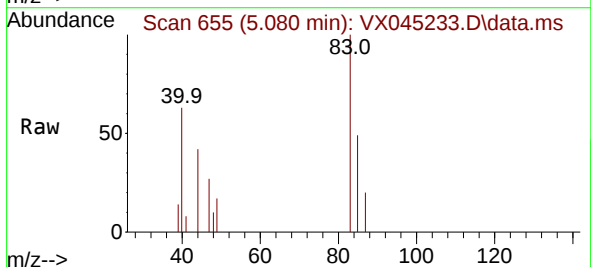
Tgt Ion: 49 Resp: 182

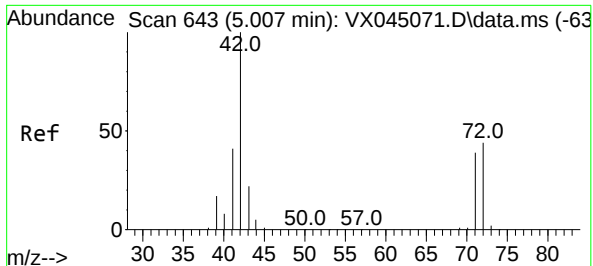
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 0.0 56.1 84.1#





#29

Tetrahydrofuran

Concen: 0.682 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX045233.D

Acq: 11 Mar 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

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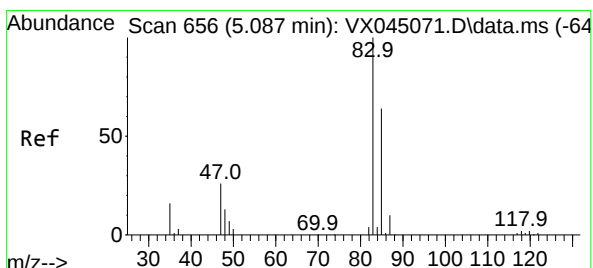
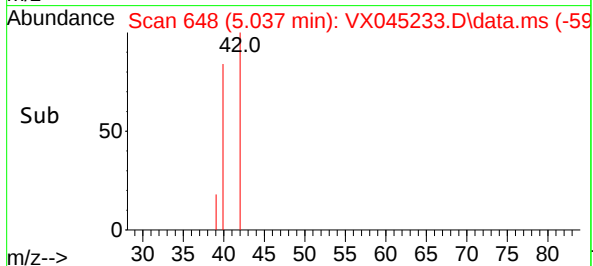
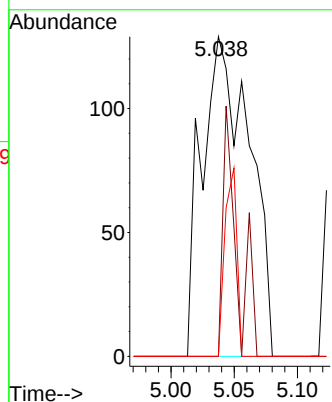
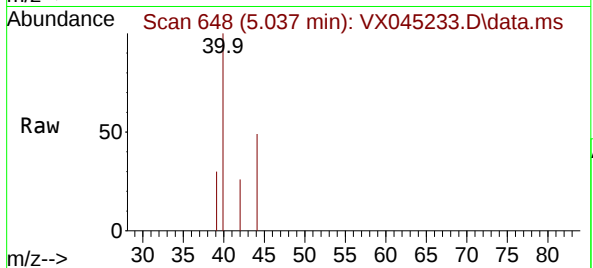
Tgt Ion: 42 Resp: 339

Ion Ratio Lower Upper

42 100

72 22.7 34.1 51.1#

71 14.7 31.4 47.0#



#30

Chloroform

Concen: 1.936 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045233.D

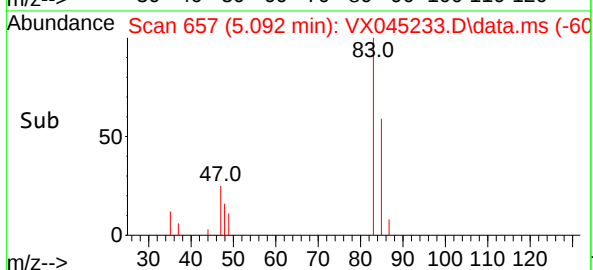
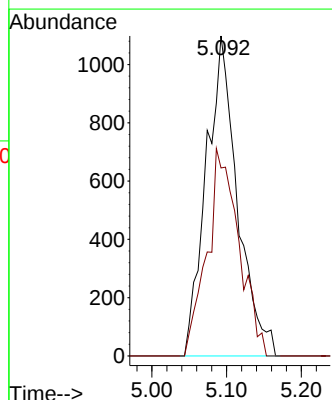
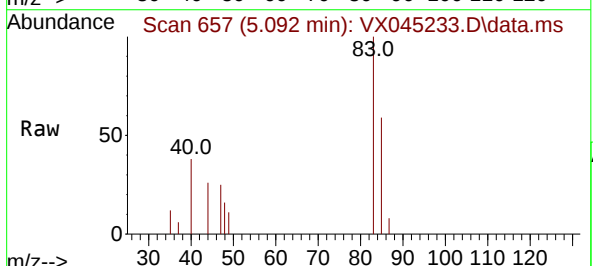
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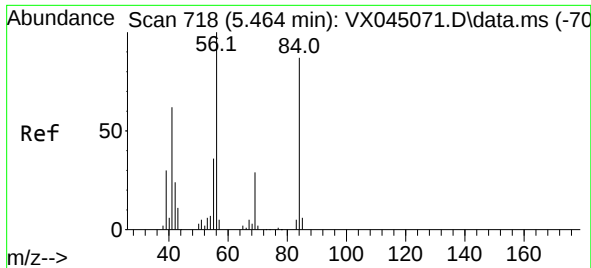
Tgt Ion: 83 Resp: 3198

Ion Ratio Lower Upper

83 100

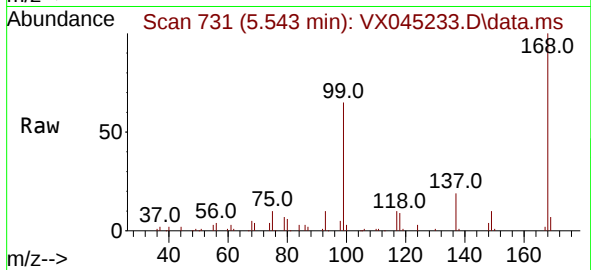
85 58.7 51.4 77.2



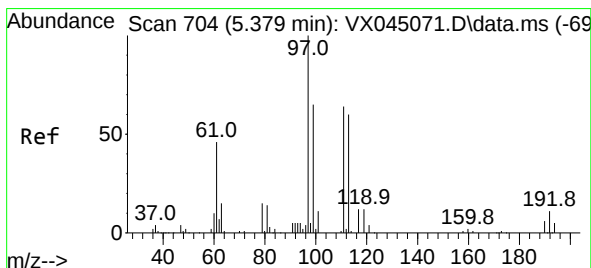
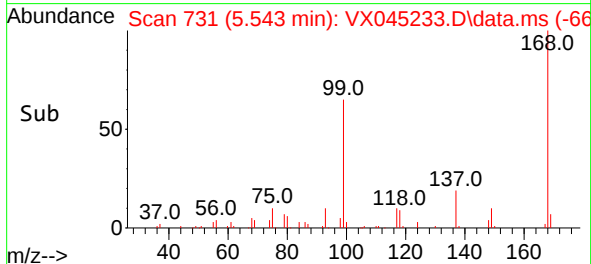
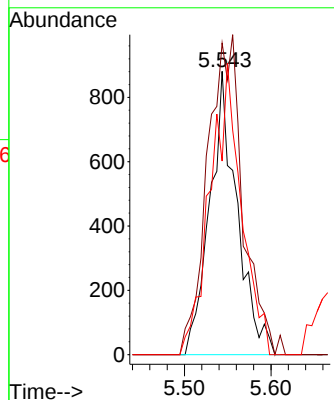


#31
Cyclohexane
Concen: 1.328 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Instrument :
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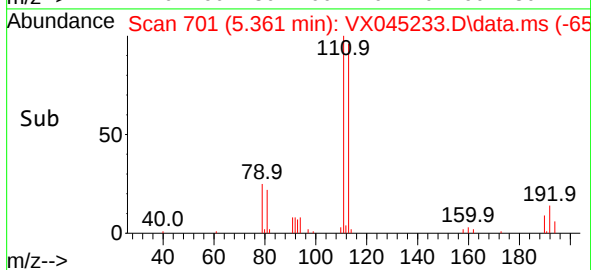
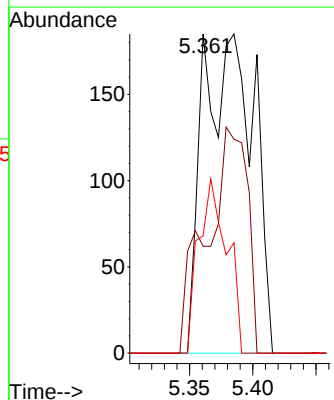
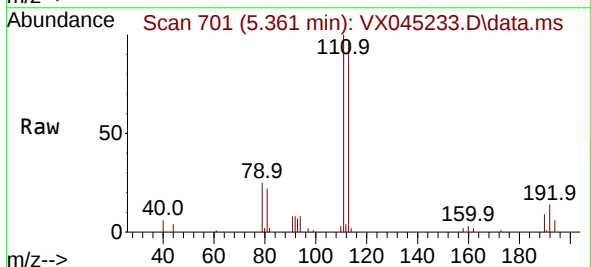


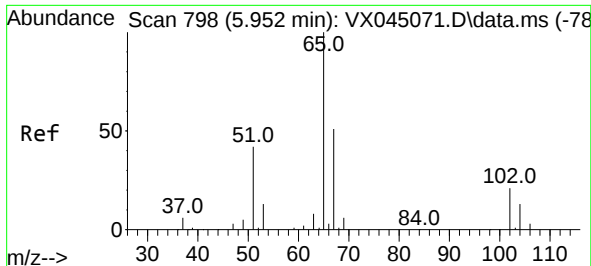
Tgt Ion: 56 Resp: 1916
Ion Ratio Lower Upper
56 100
69 110.0 23.4 35.2#
84 68.3 69.4 104.2#



#32
1,1,1-Trichloroethane
Concen: 0.383 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.019 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 97 Resp: 511
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 30.9 38.4 57.6#





#33

1,2-Dichloroethane-d4

Concen: 54.065 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045233.D

Acq: 11 Mar 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

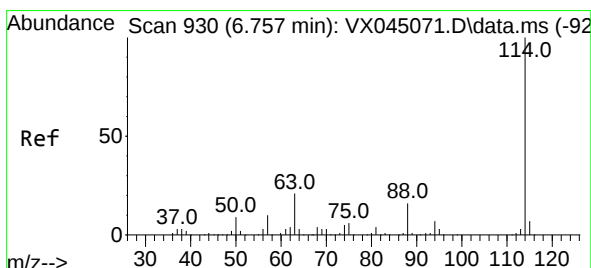
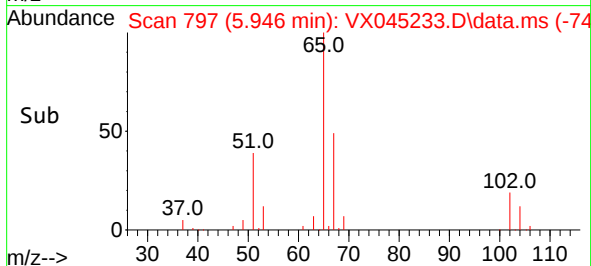
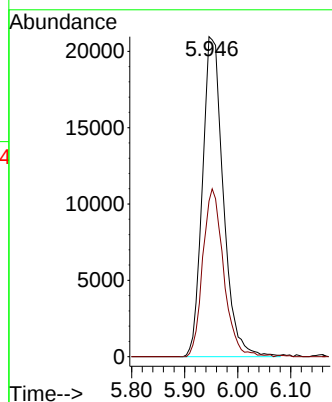
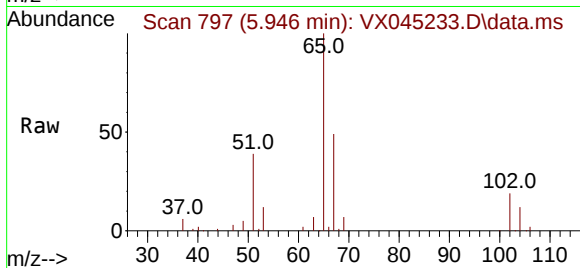
RE105D2-20250306

Tgt Ion: 65 Resp: 57334

Ion Ratio Lower Upper

65 100

67 52.4 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: VX045233.D

Acq: 11 Mar 2025 18:39

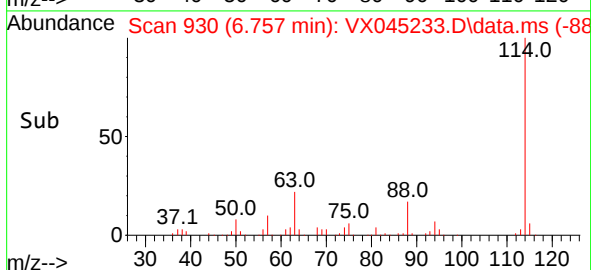
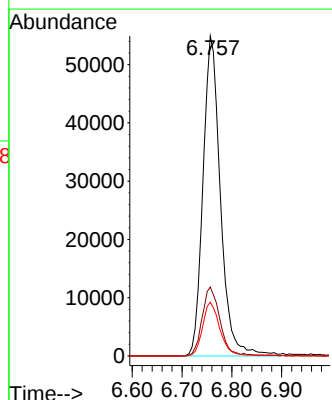
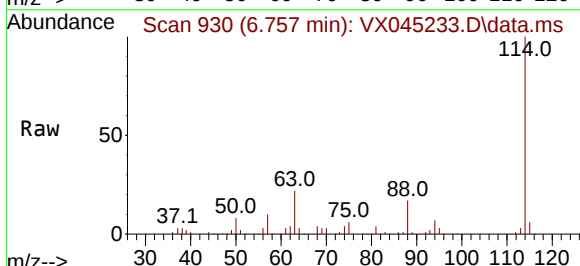
Tgt Ion: 114 Resp: 133704

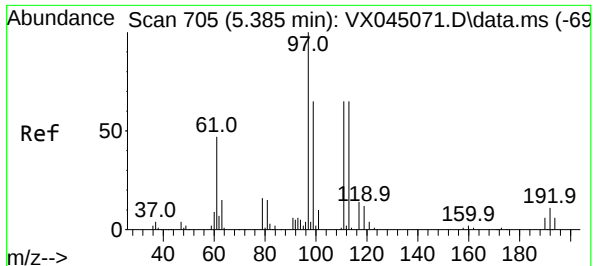
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

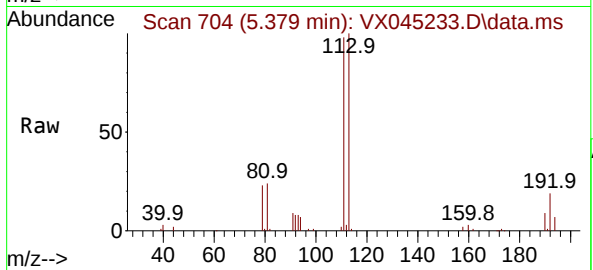
88 16.8 0.0 32.8



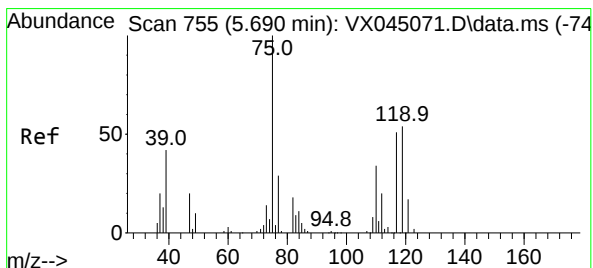
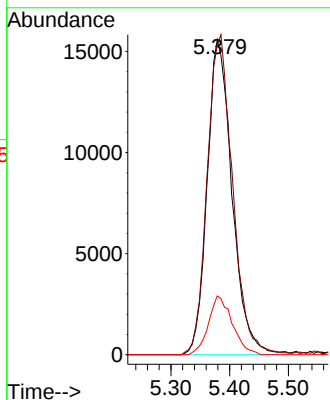
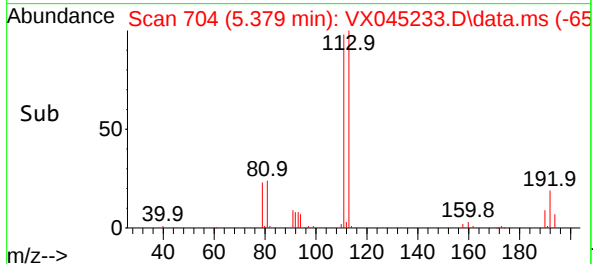


#35
Dibromofluoromethane
Concen: 51.199 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250306

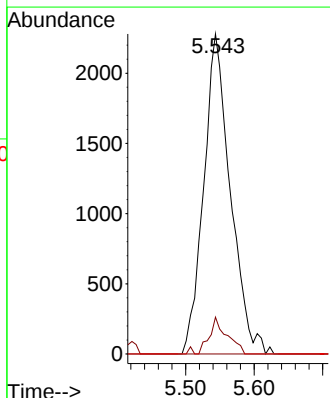
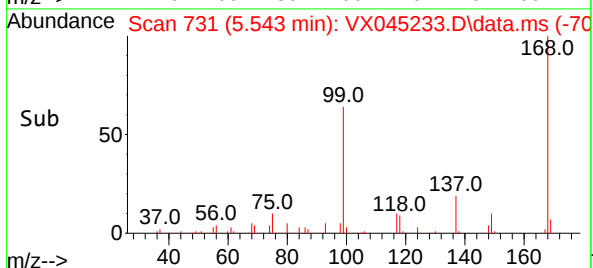
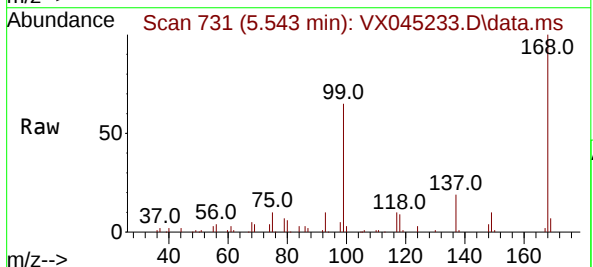


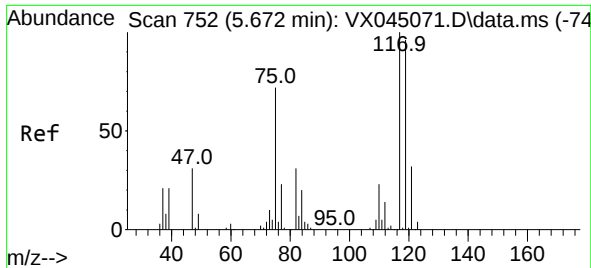
Tgt Ion:113 Resp: 45774
Ion Ratio Lower Upper
113 100
111 103.9 81.8 122.6
192 17.9 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.036 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 75 Resp: 6174
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.6#
77 0.0 24.5 36.7#

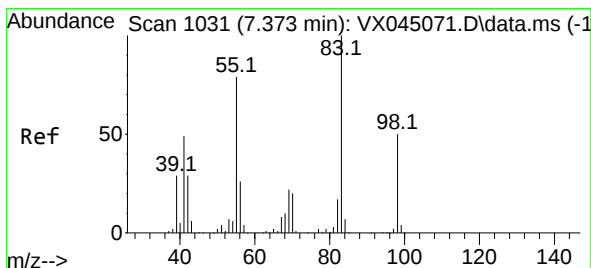
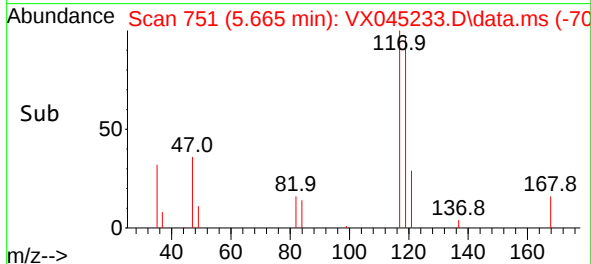
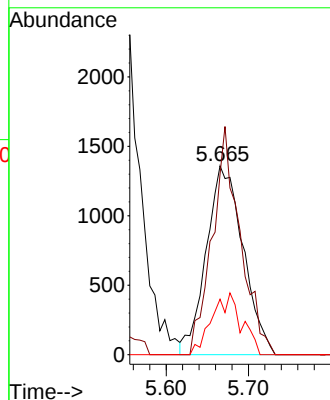
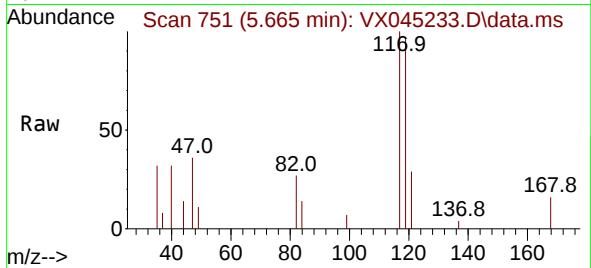




#38
Carbon Tetrachloride
Concen: 3.401 ug/l
RT: 5.665 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

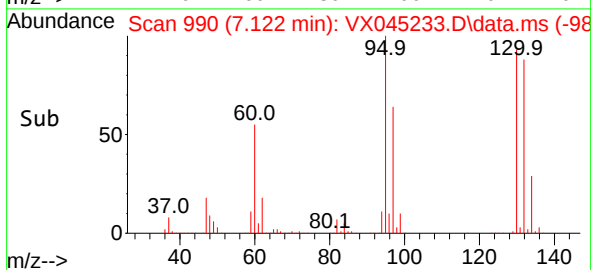
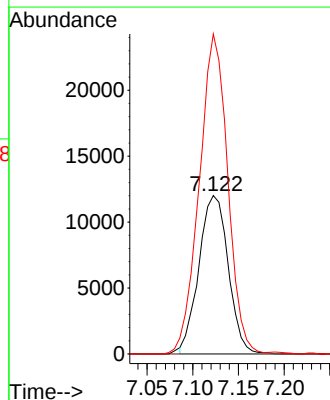
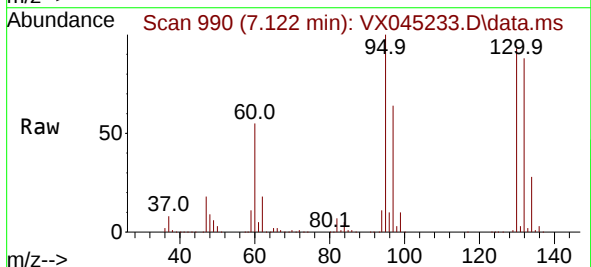
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250306

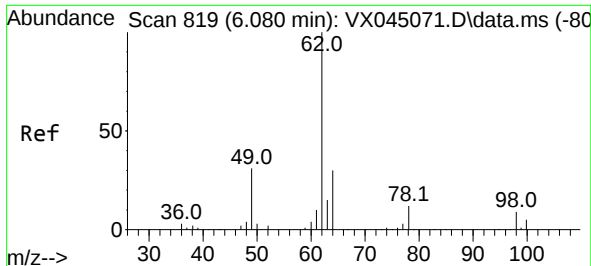
Tgt Ion:117 Resp: 4234
Ion Ratio Lower Upper
117 100
119 95.6 76.7 115.1
121 29.4 25.5 38.3



#39
Methylcyclohexane
Concen: 18.255 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 83 Resp: 26819
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 201.1 39.7 59.5#





#42

1,2-Dichloroethane

Concen: 0.308 ug/l

RT: 6.104 min Scan# 819

Delta R.T. 0.024 min

Lab File: VX045233.D

Acq: 11 Mar 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

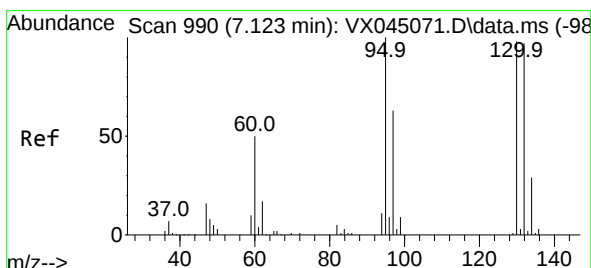
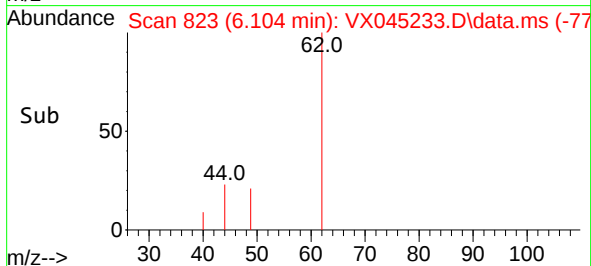
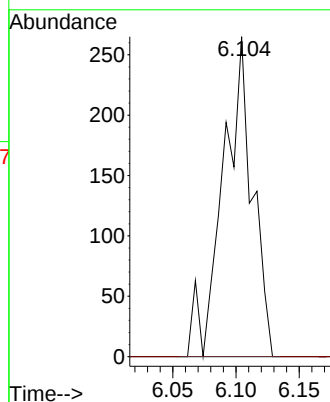
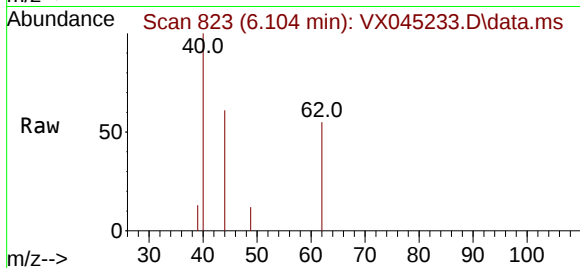
RE105D2-20250306

Tgt Ion: 62 Resp: 429

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#44

Trichloroethene

Concen: 2103.423 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045233.D

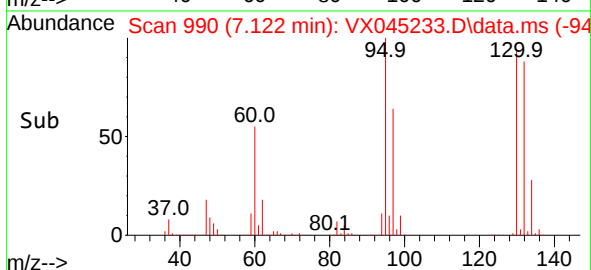
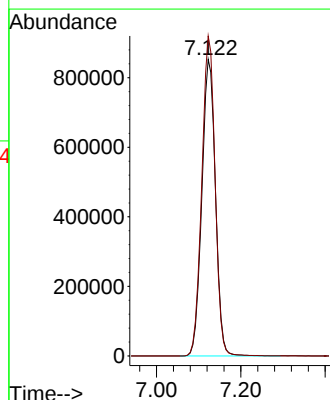
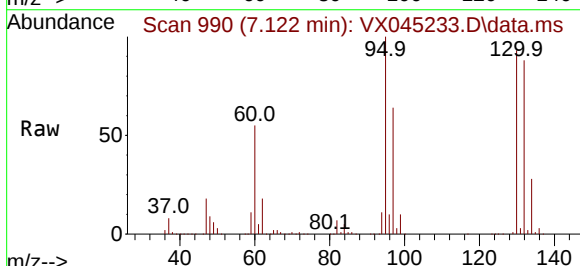
Acq: 11 Mar 2025 18:39

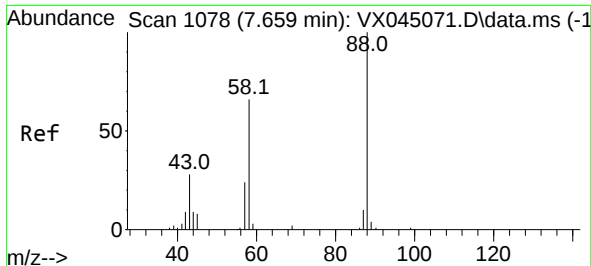
Tgt Ion:130 Resp: 1912249

Ion Ratio Lower Upper

130 100

95 107.9 0.0 205.0

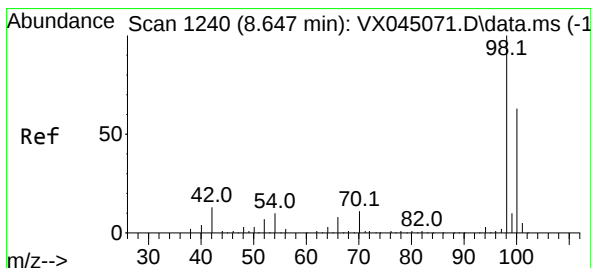
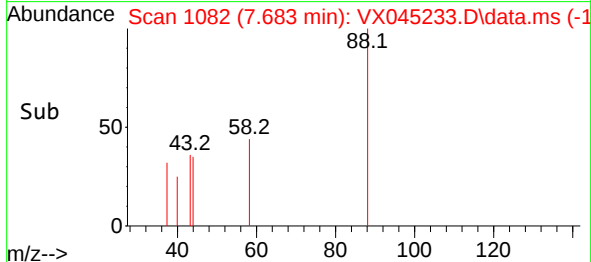
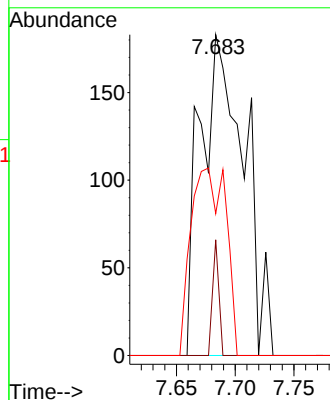
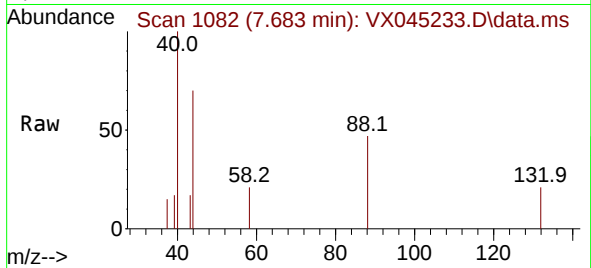




#49
1,4-Dioxane
Concen: 19.253 ug/l
RT: 7.683 min Scan# 1078
Delta R.T. 0.024 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

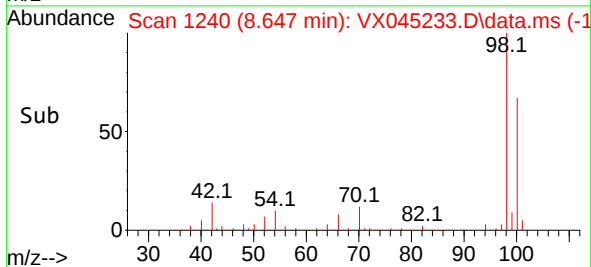
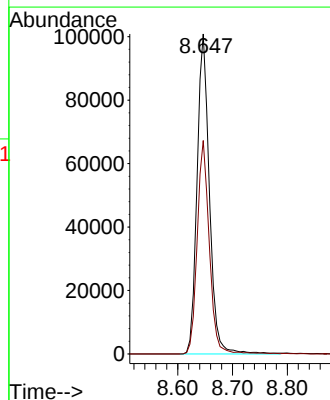
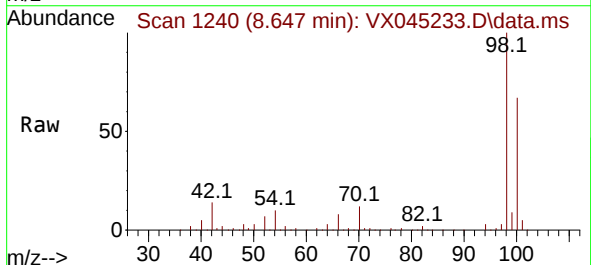
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250306

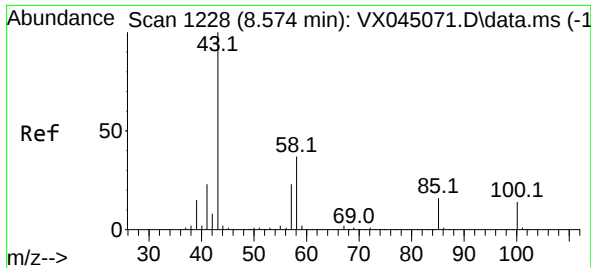
Tgt Ion: 88 Resp: 476
Ion Ratio Lower Upper
88 100
43 5.0 28.7 43.1#
58 46.4 55.8 83.8#



#50
Toluene-d8
Concen: 48.876 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 98 Resp: 158419
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

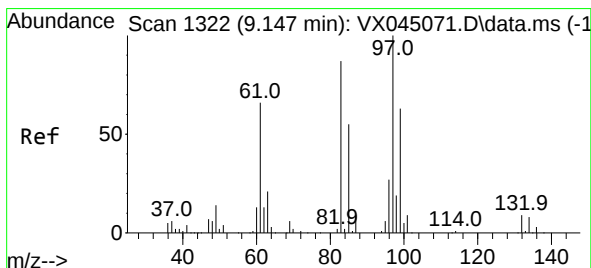
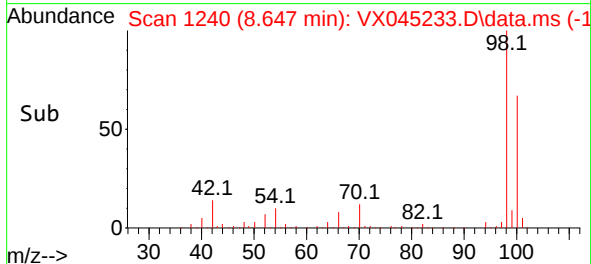
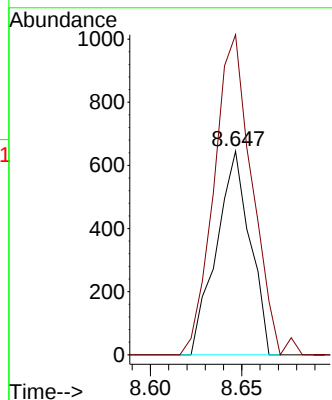
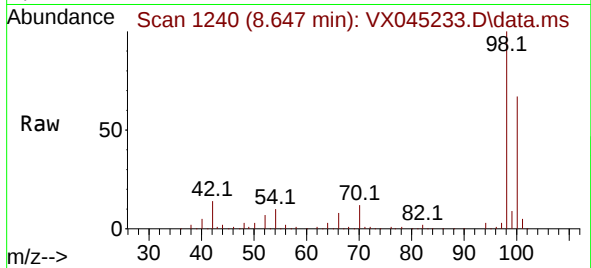




#51
4-Methyl-2-Pentanone
Concen: 0.527 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

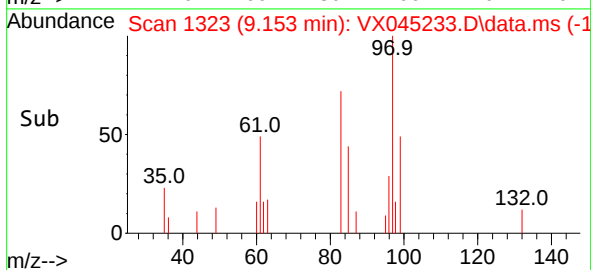
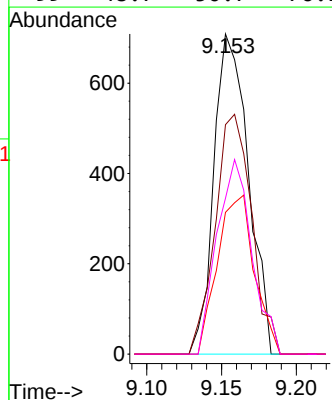
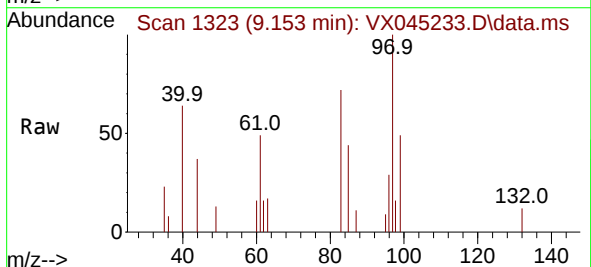
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250306

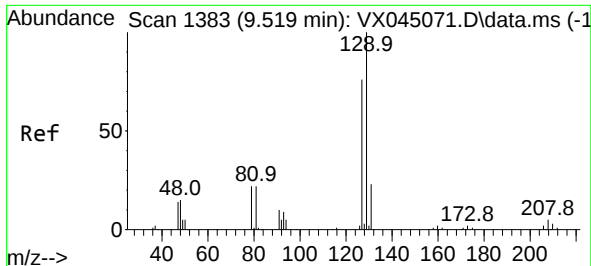
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 178.5 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 1.214 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 97 Resp: 1135
Ion Ratio Lower Upper
97 100
83 71.7 69.4 104.2
85 44.3 44.1 66.1
99 48.7 50.7 76.1#

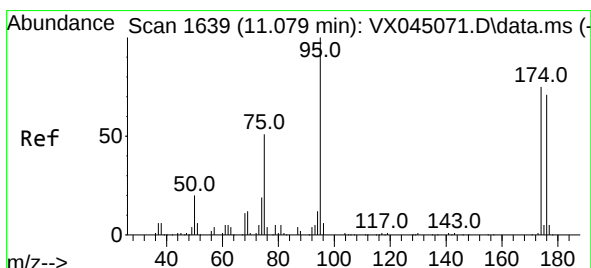
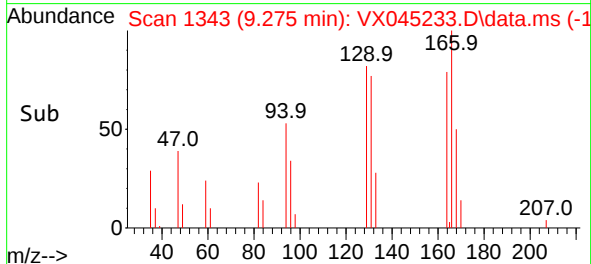
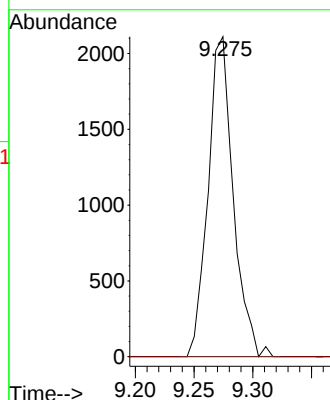
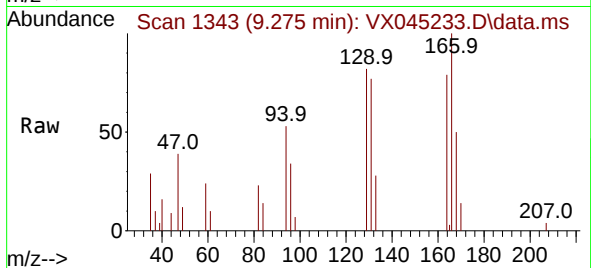




#60
Dibromochloromethane
Concen: 3.226 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

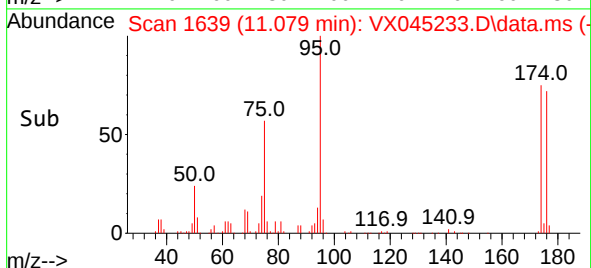
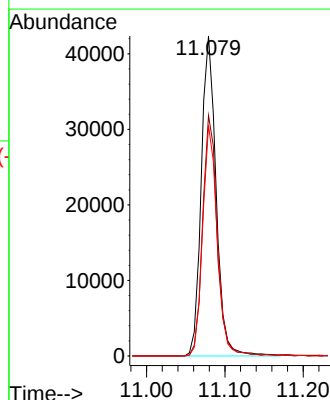
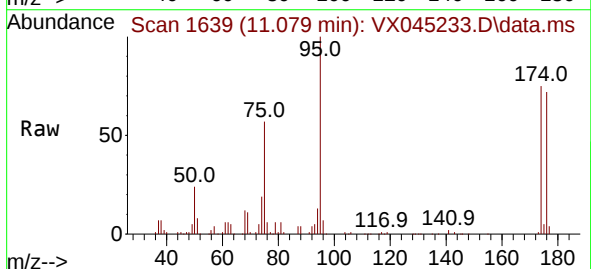
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250306

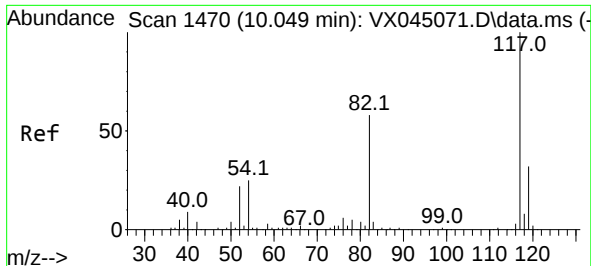
Tgt Ion:129 Resp: 3154
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 52.011 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 95 Resp: 55862
Ion Ratio Lower Upper
95 100
174 73.9 0.0 148.2
176 71.2 0.0 141.4

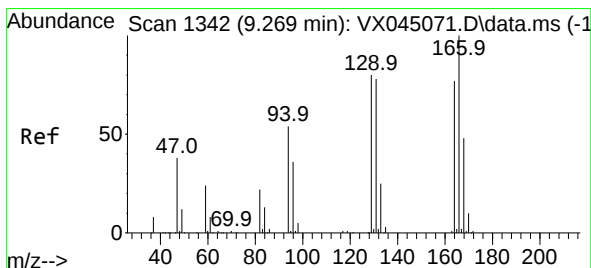
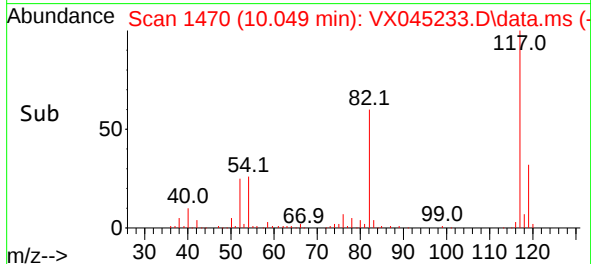
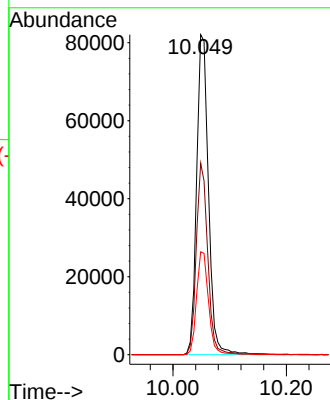
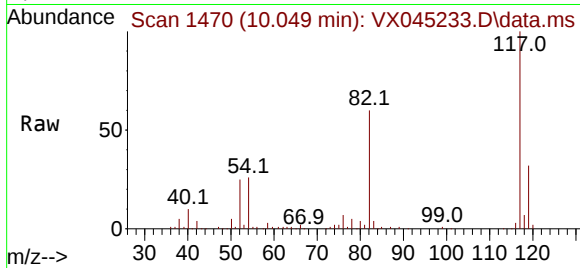




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

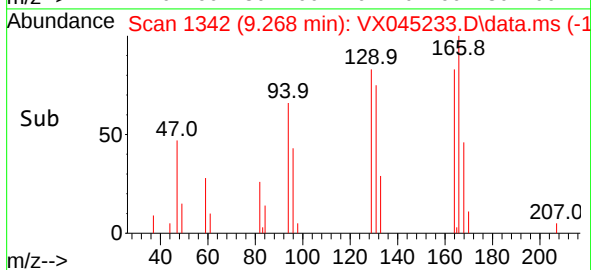
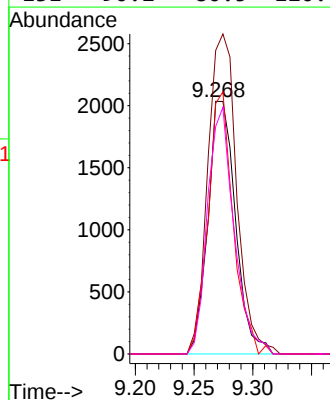
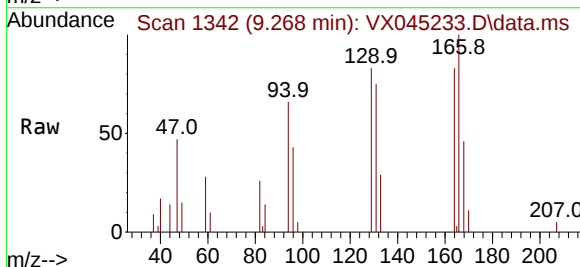
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250306

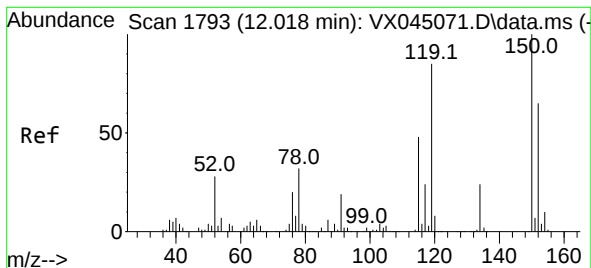
Tgt Ion:117 Resp: 118919
Ion Ratio Lower Upper
117 100
82 59.9 46.3 69.5
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 4.370 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045233.D
Acq: 11 Mar 2025 18:39

Tgt Ion:164 Resp: 3328
Ion Ratio Lower Upper
164 100
166 120.2 103.6 155.4
129 99.2 82.7 124.1
131 90.2 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: VX045233.D

Acq: 11 Mar 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20250306

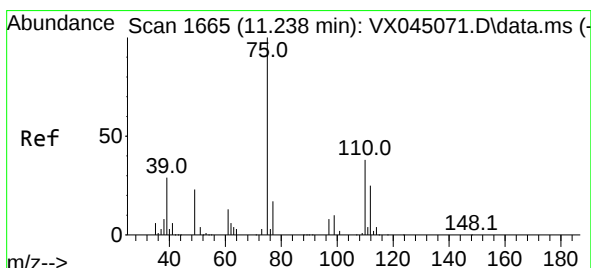
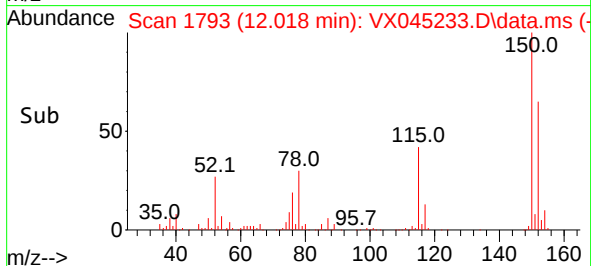
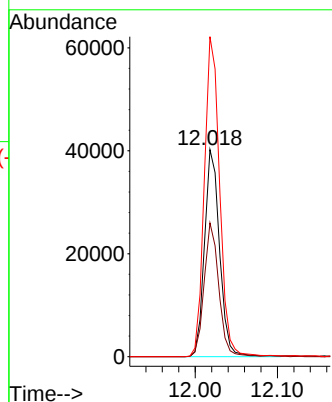
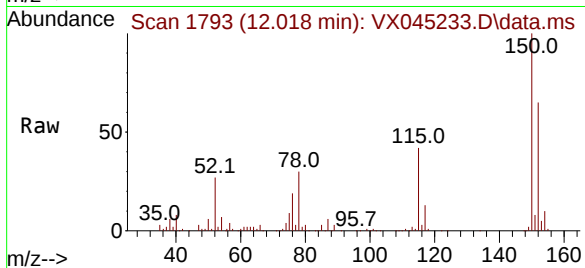
Tgt Ion:152 Resp: 51223

Ion Ratio Lower Upper

152 100

115 62.9 44.2 132.6

150 157.4 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 25.593 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045233.D

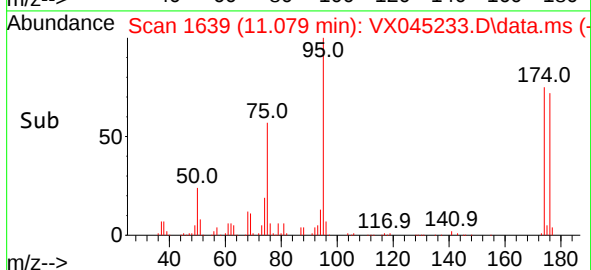
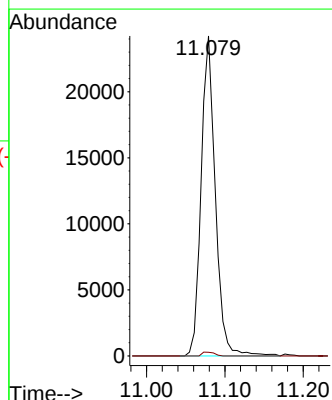
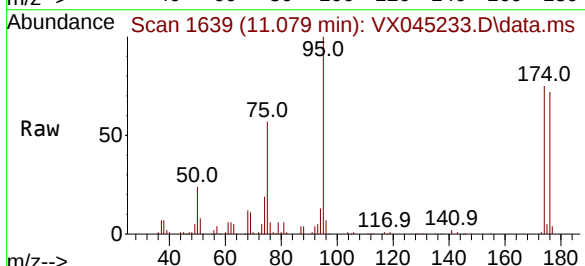
Acq: 11 Mar 2025 18:39

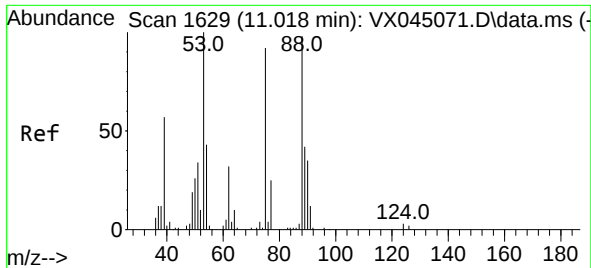
Tgt Ion: 75 Resp: 30513

Ion Ratio Lower Upper

75 100

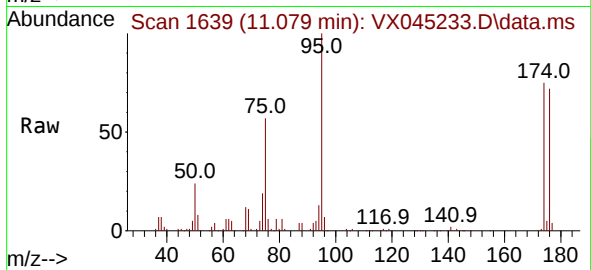
77 1.0 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.585 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045233.D
 Acq: 11 Mar 2025 18:39

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20250306



Tgt Ion: 75 Resp: 30513
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

