

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045271.D
 Acq On : 13 Mar 2025 15:56
 Operator : JC/MD
 Sample : Q1559-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 14 12:29:06 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)

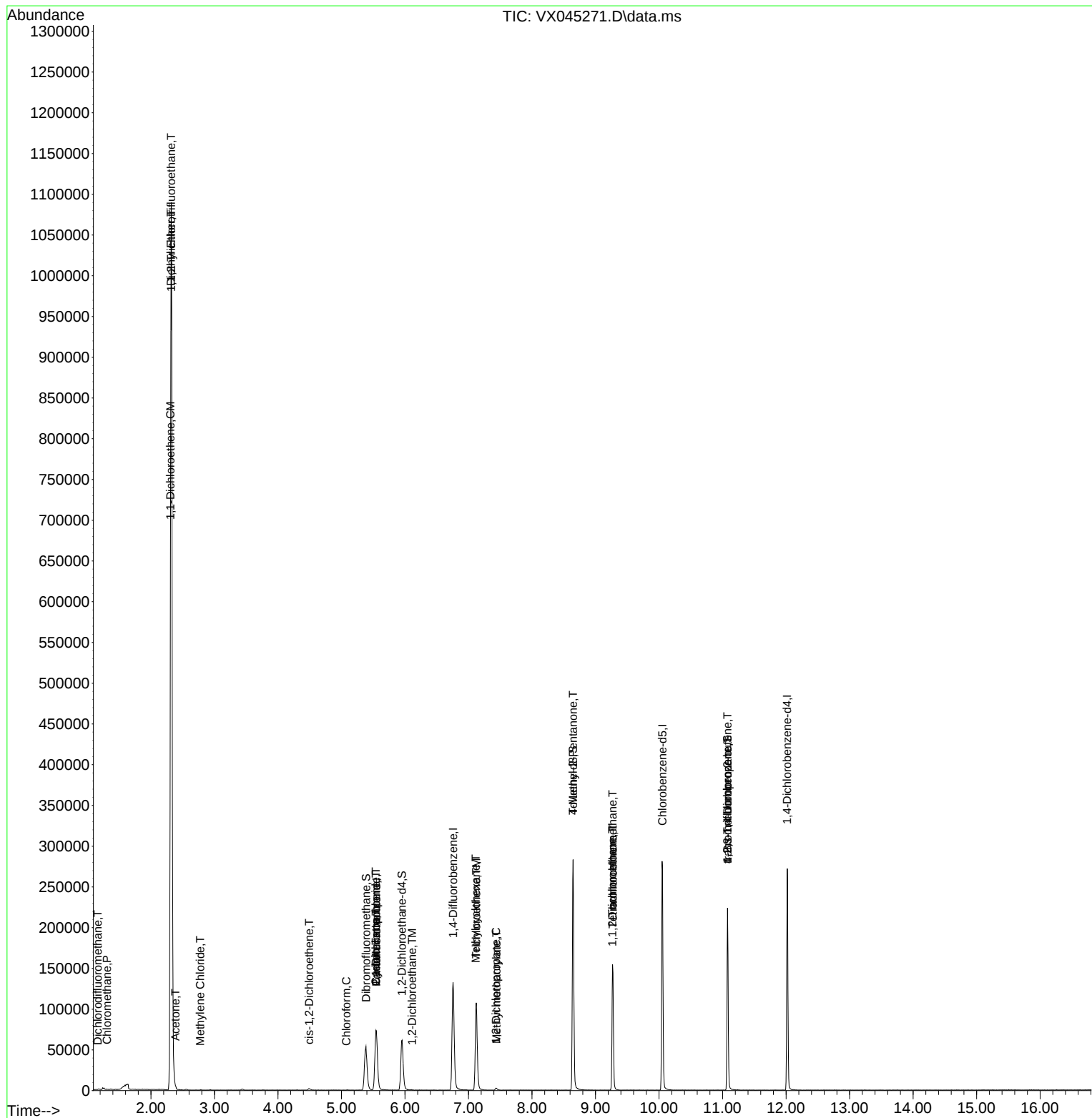
Internal Standards						
1) Pentafluorobenzene	5.550	168	66430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130303	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59159	55.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.980%
35) Dibromofluoromethane	5.385	113	46341	53.186	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.380%
50) Toluene-d8	8.647	98	165311	52.334	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.660%
62) 4-Bromofluorobenzene	11.079	95	56749	54.216	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	189	0.226	ug/l #	40
3) Chloromethane	1.307	50	406	0.397	ug/l	99
8) Diethyl Ether	2.313	74	452	0.860	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.319	101	419854	543.794	ug/l	99
12) 1,1-Dichloroethene	2.306	96	2503	3.066	ug/l #	87
16) Acetone	2.386	43	1168	2.382	ug/l	91
20) Methylene Chloride	2.776	84	216	0.222	ug/l #	49
27) cis-1,2-Dichloroethene	4.489	96	1322	1.328	ug/l	89
30) Chloroform	5.074	83	407	0.247	ug/l #	18
31) Cyclohexane	5.544	56	1978	1.376	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	6369	5.330	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7438	6.131	ug/l #	15
39) Methylcyclohexane	7.117	83	538	0.376	ug/l #	1
42) 1,2-Dichloroethane	6.111	62	445	0.328	ug/l #	75
44) Trichloroethene	7.123	130	38062	42.960	ug/l	99
45) 1,2-Dichloropropane	7.434	63	1244	1.282	ug/l #	87
48) Methyl methacrylate	7.440	41	788	0.690	ug/l #	6
51) 4-Methyl-2-Pentanone	8.647	43	855	0.559	ug/l #	1
55) 1,1,2-Trichloroethane	9.263	97	275	0.302	ug/l #	8
60) Dibromochloromethane	9.269	129	28226	29.620	ug/l #	11
64) Tetrachloroethene	9.275	164	27688	35.419	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	31275	25.424	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31275	87.004	ug/l #	6

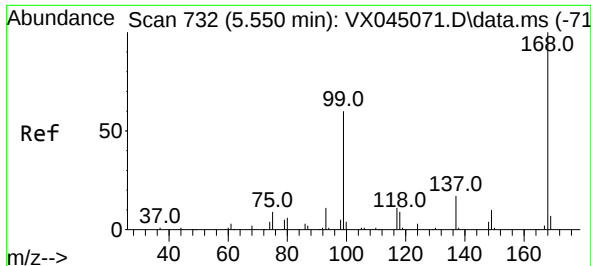
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
Data File : VX045271.D
Acq On : 13 Mar 2025 15:56
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Sample : Q1559-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

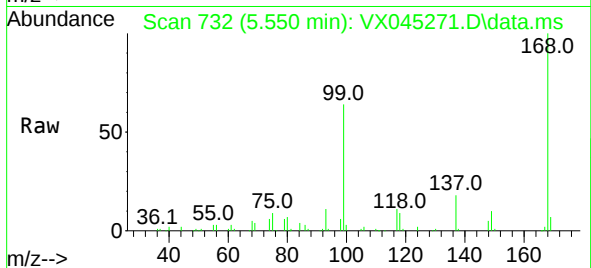
Quant Time: Mar 14 12:29:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



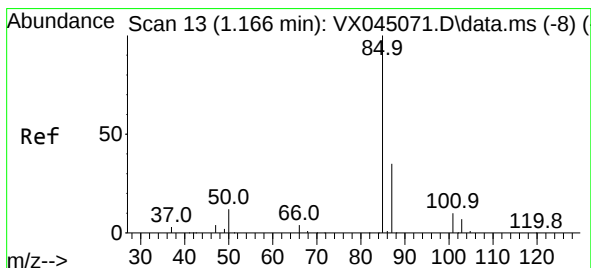
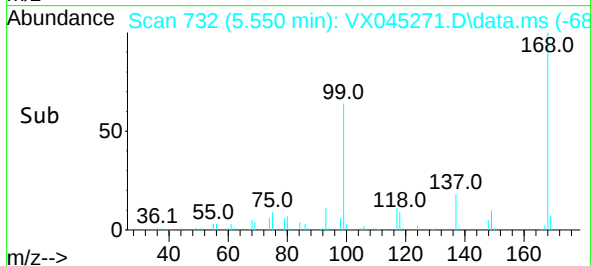
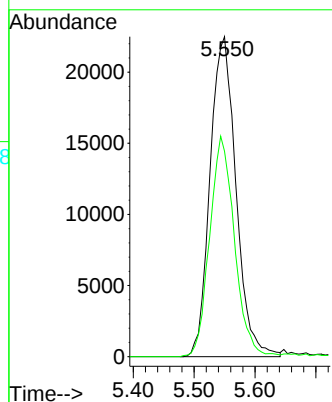


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :

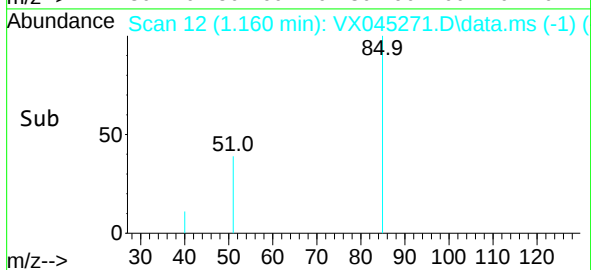
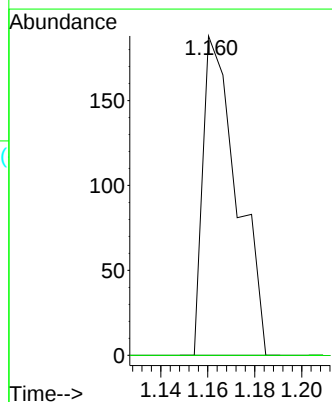
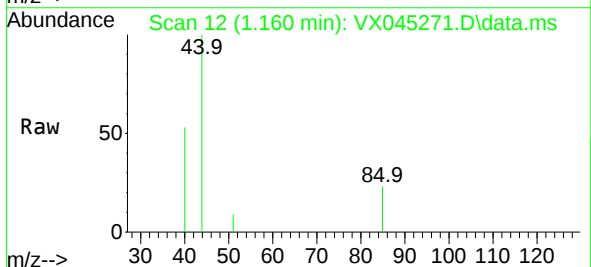


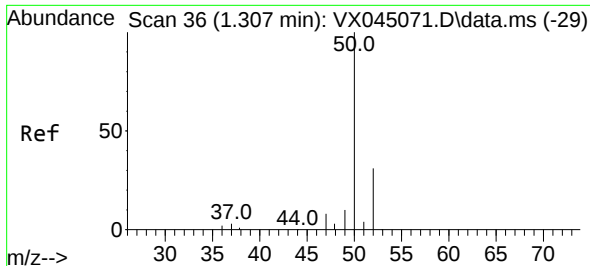
Tgt Ion:168 Resp: 66430
Ion Ratio Lower Upper
168 100
99 64.2 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.226 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

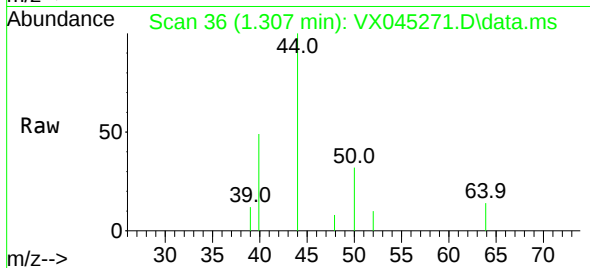
Tgt Ion: 85 Resp: 189
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.3#



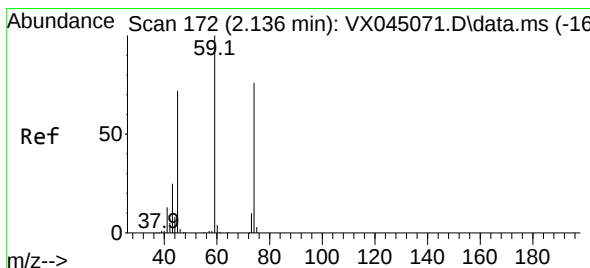
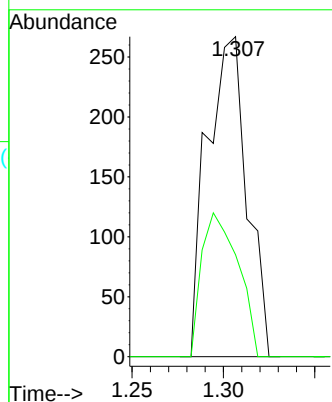
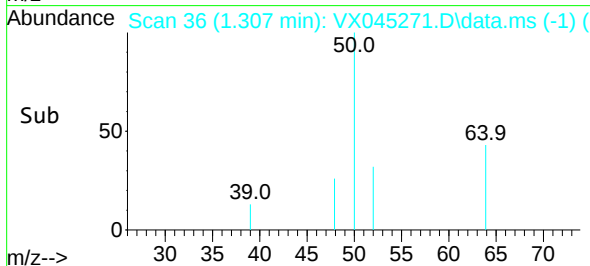


#3
Chloromethane
Concen: 0.397 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :

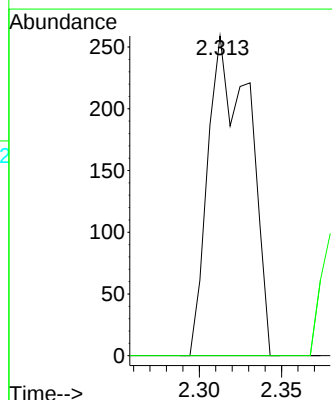
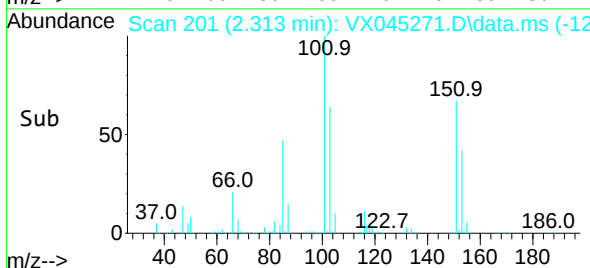
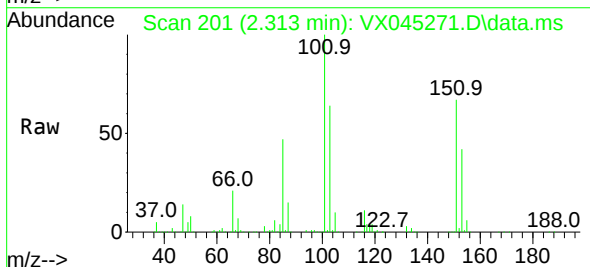


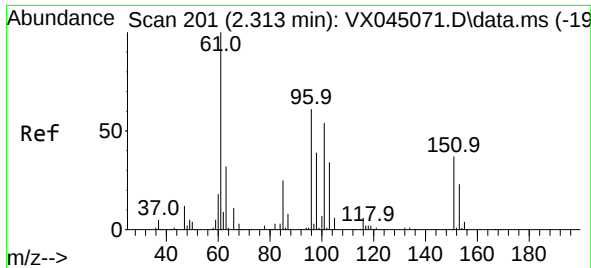
Tgt Ion: 50 Resp: 406
Ion Ratio Lower Upper
50 100
52 31.8 25.0 37.4



#8
Diethyl Ether
Concen: 0.860 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.177 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion: 74 Resp: 452
Ion Ratio Lower Upper
74 100
45 0.0 51.5 154.5#

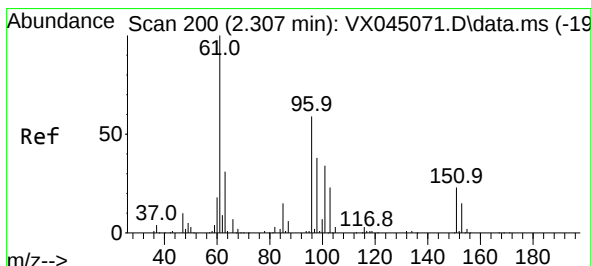
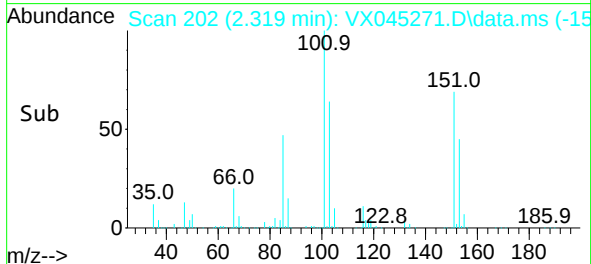
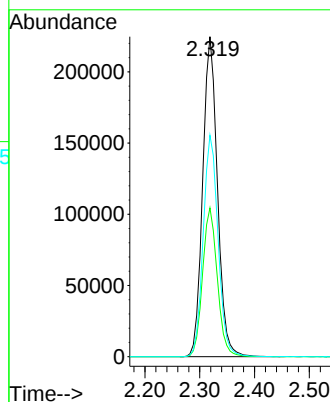
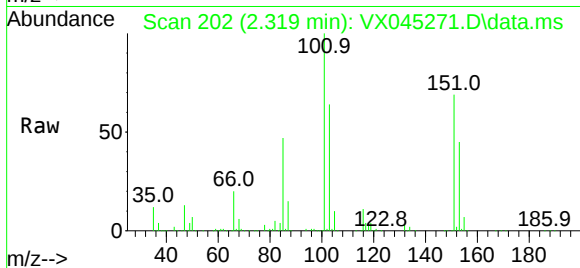




#9
1,1,2-Trichlorotrifluoroethane
Concen: 543.794 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

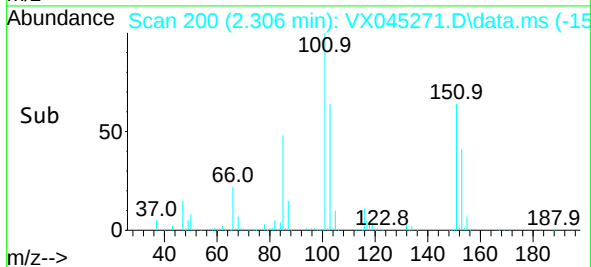
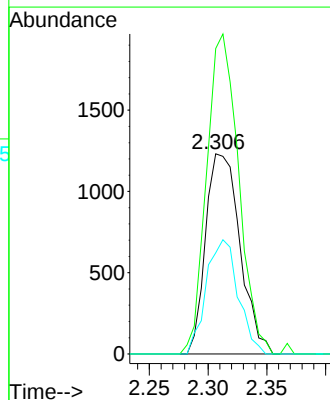
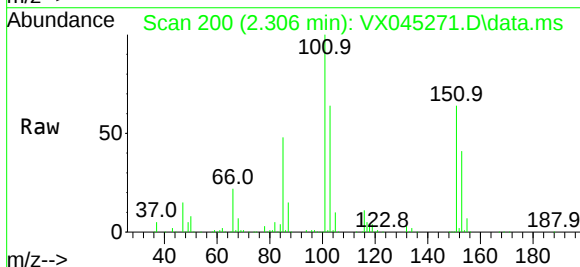
Instrument :
MSVOA_X
ClientSampleId :

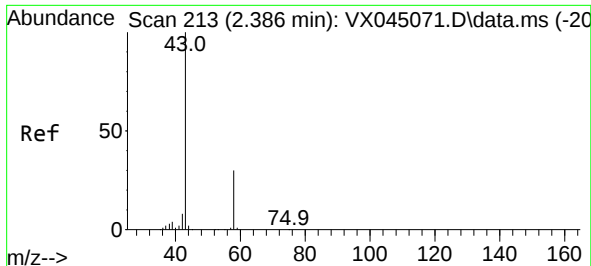
Tgt Ion:101 Resp: 419854
Ion Ratio Lower Upper
101 100
85 46.4 36.2 54.4
151 69.8 56.4 84.6



#12
1,1-Dichloroethene
Concen: 3.066 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

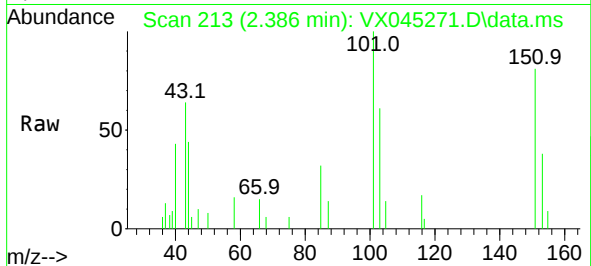
Tgt Ion: 96 Resp: 2503
Ion Ratio Lower Upper
96 100
61 152.5 134.6 202.0
98 50.5 51.0 76.6#



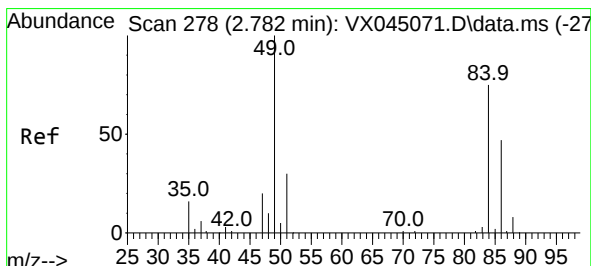
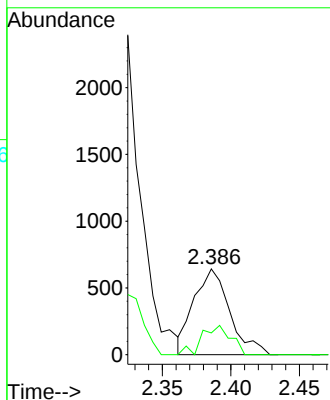
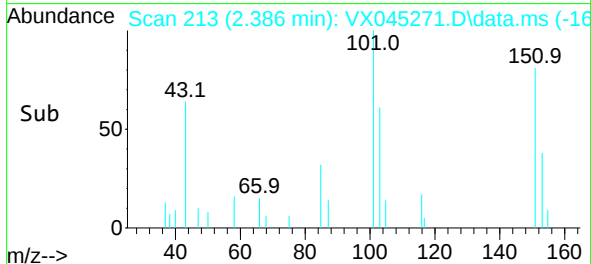


#16
Acetone
Concen: 2.382 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

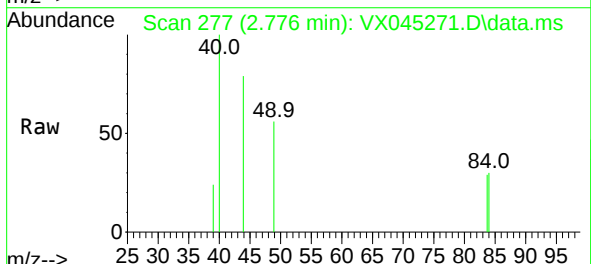
Instrument :
MSVOA_X
ClientSampleId :



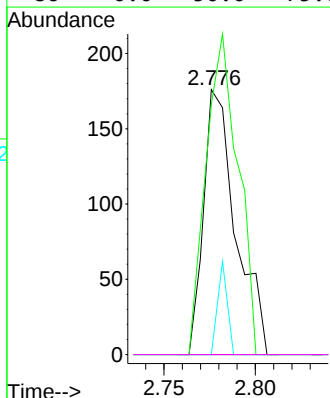
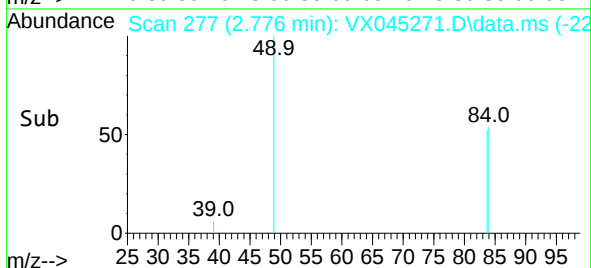
Tgt Ion: 43 Resp: 1168
Ion Ratio Lower Upper
43 100
58 25.4 24.2 36.4

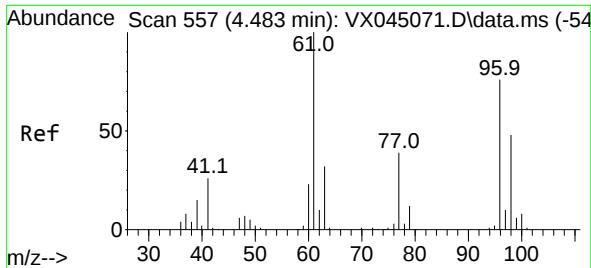


#20
Methylene Chloride
Concen: 0.222 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56



Tgt Ion: 84 Resp: 216
Ion Ratio Lower Upper
84 100
49 94.3 106.5 159.7#
51 0.0 32.1 48.1#
86 0.0 50.0 75.0#





#27

cis-1,2-Dichloroethene

Concen: 1.328 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045271.D

Acq: 13 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

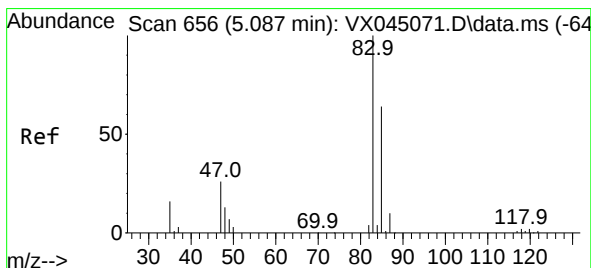
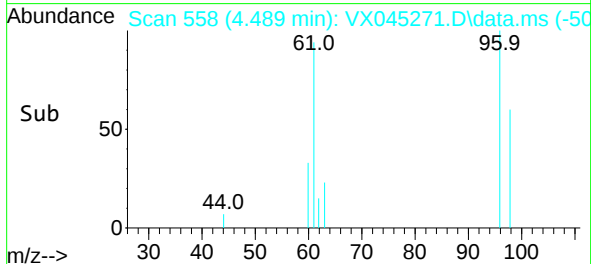
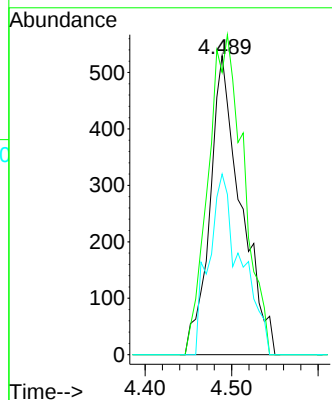
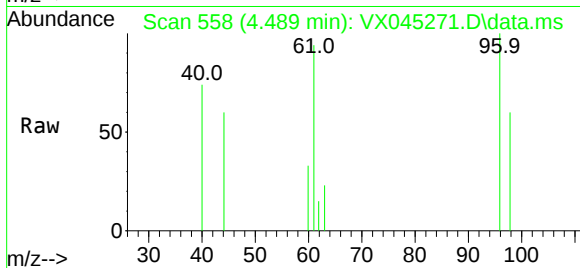
Tgt Ion: 96 Resp: 1322

Ion Ratio Lower Upper

96 100

61 122.4 0.0 283.2

98 62.6 0.0 128.0



#30

Chloroform

Concen: 0.247 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.012 min

Lab File: VX045271.D

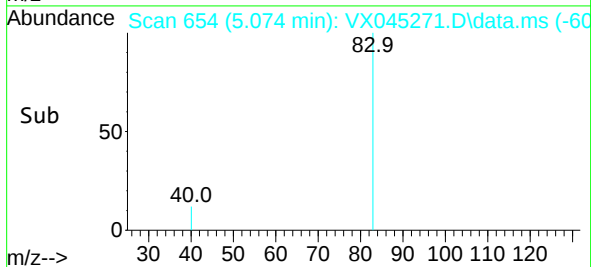
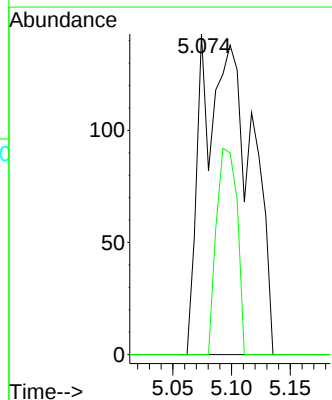
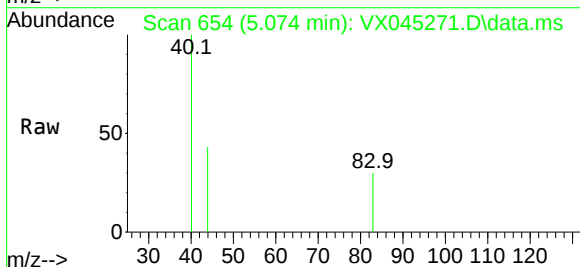
Acq: 13 Mar 2025 15:56

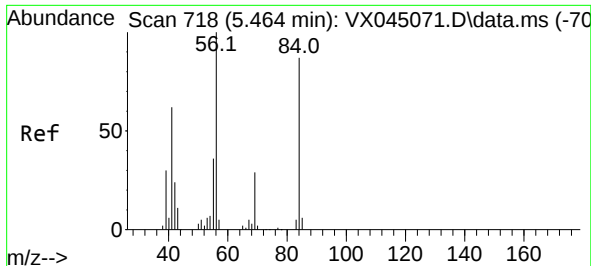
Tgt Ion: 83 Resp: 407

Ion Ratio Lower Upper

83 100

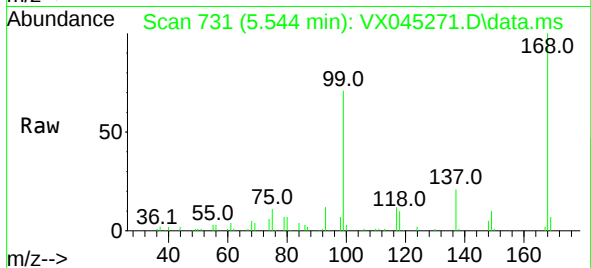
85 0.0 51.4 77.2#



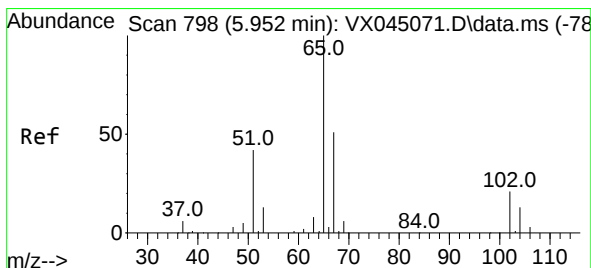
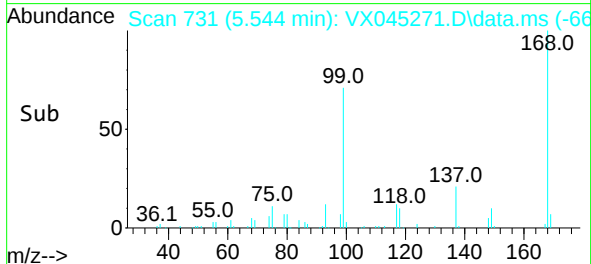
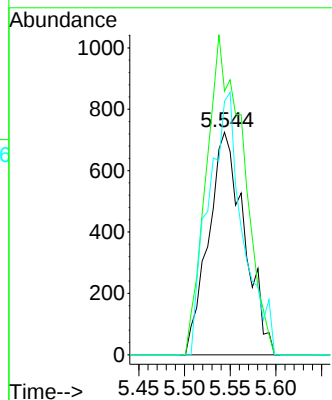


#31
Cyclohexane
Concen: 1.376 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Instrument :
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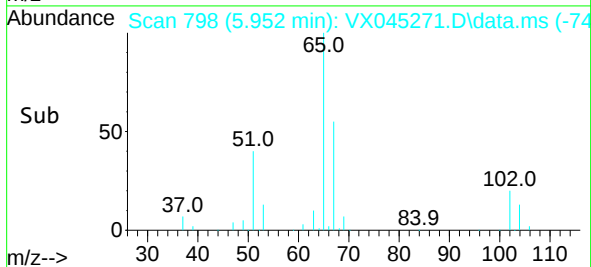
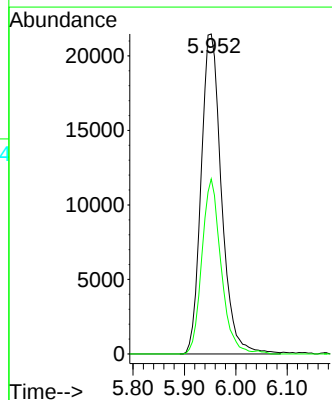
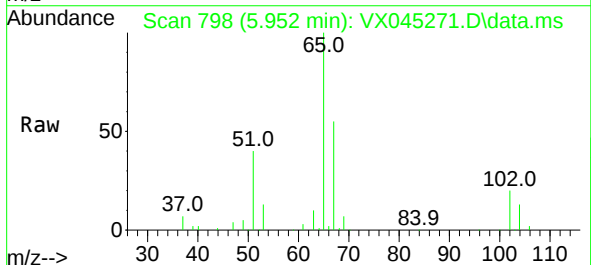


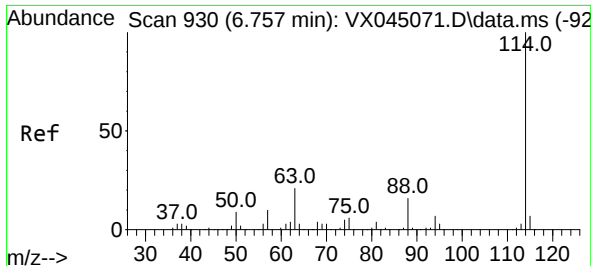
Tgt Ion: 56 Resp: 1978
Ion Ratio Lower Upper
56 100
69 118.5 23.4 35.2#
84 113.9 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 55.986 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion: 65 Resp: 59159
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.2

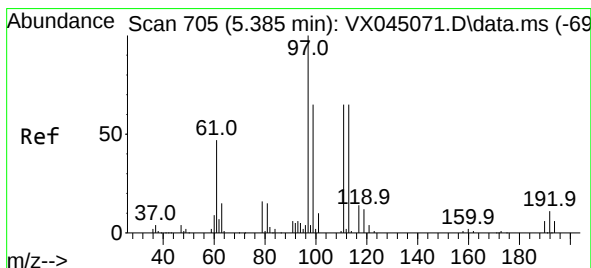
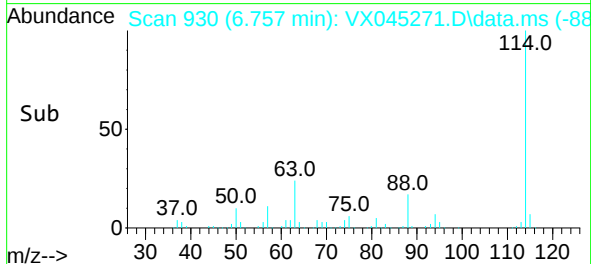
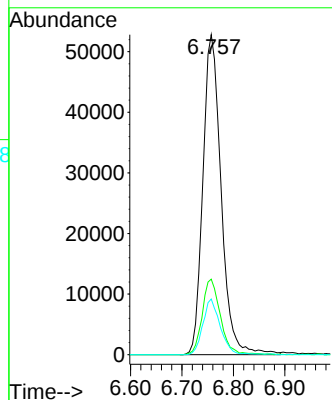
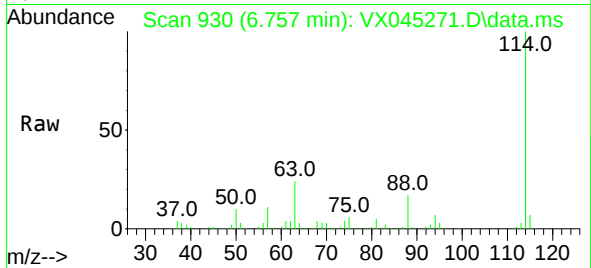




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

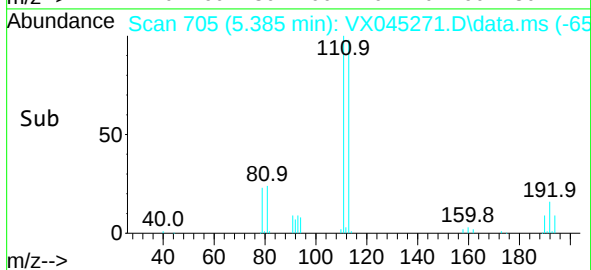
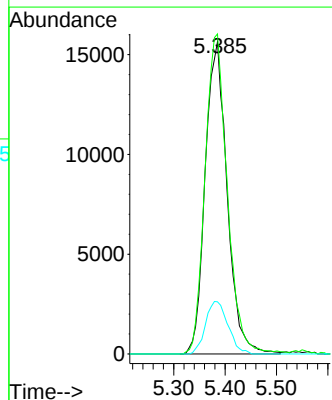
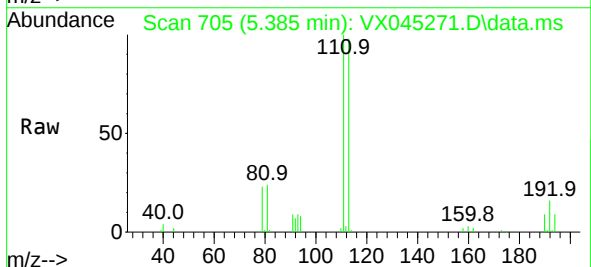
Instrument :
MSVOA_X
ClientSampleId :

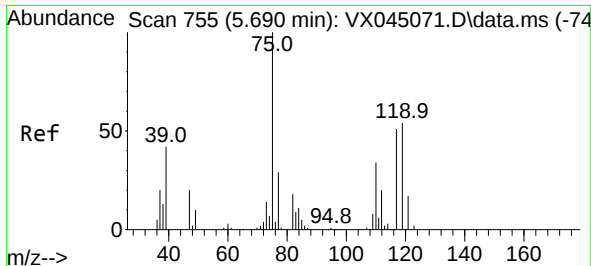
Tgt Ion:114 Resp: 130303
Ion Ratio Lower Upper
114 100
63 23.6 0.0 41.8
88 17.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.186 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion:113 Resp: 46341
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.6
192 17.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.330 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045271.D

Acq: 13 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

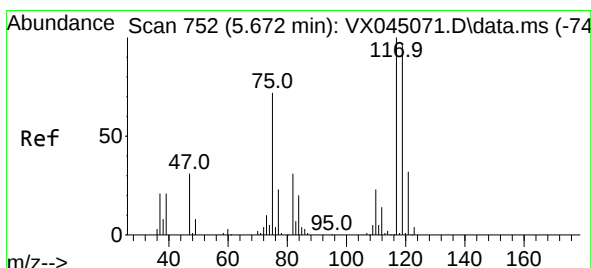
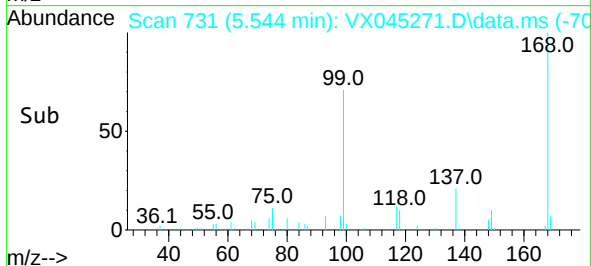
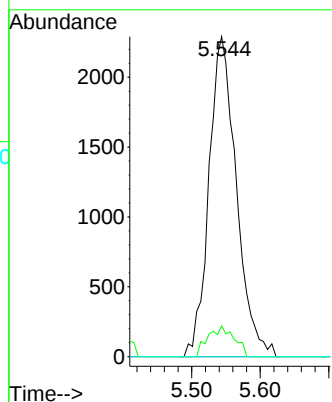
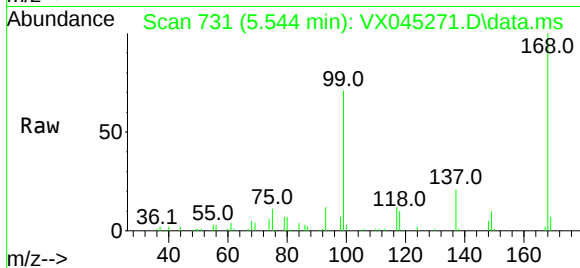
Tgt Ion: 75 Resp: 6369

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.131 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045271.D

Acq: 13 Mar 2025 15:56

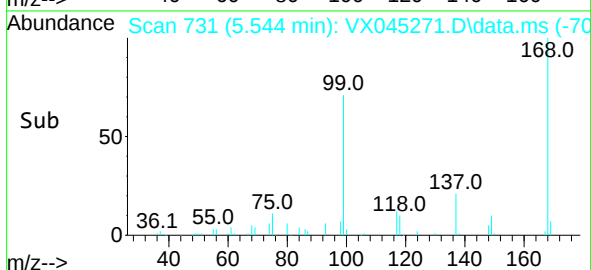
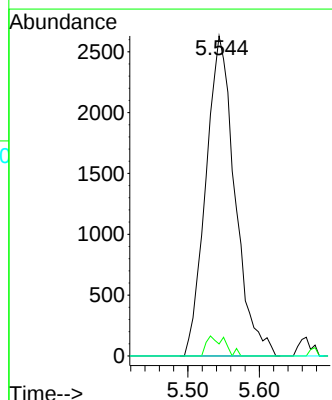
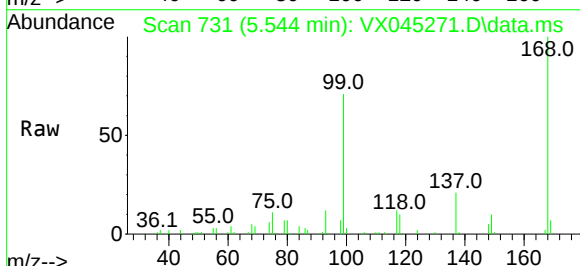
Tgt Ion: 117 Resp: 7438

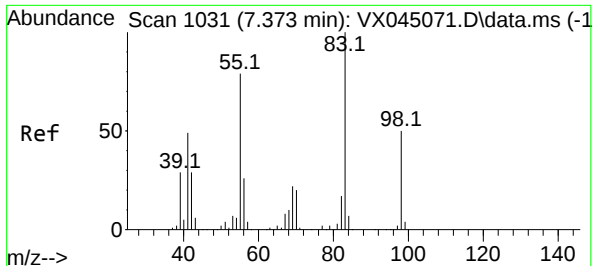
Ion Ratio Lower Upper

117 100

119 3.8 76.7 115.1#

121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.376 ug/l

RT: 7.117 min Scan# 91

Delta R.T. -0.256 min

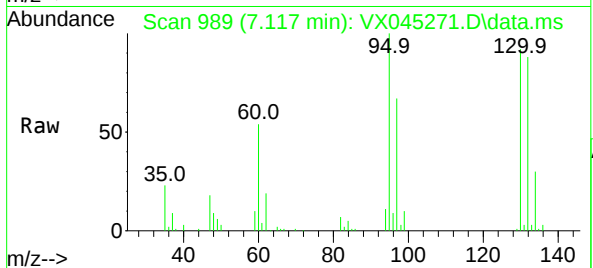
Lab File: VX045271.D

Acq: 13 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :



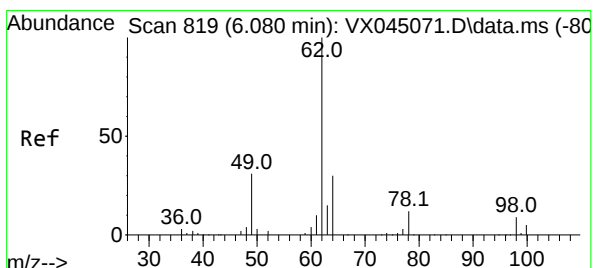
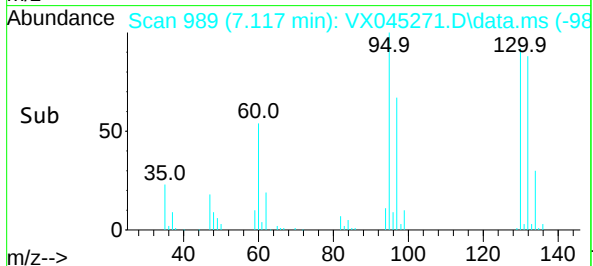
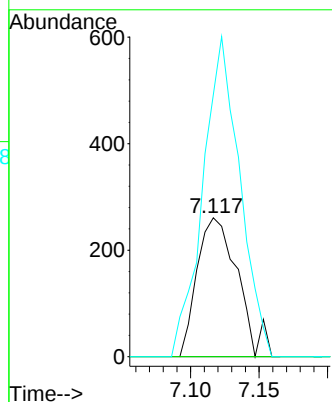
Tgt Ion: 83 Resp: 538

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 188.5 39.7 59.5#



#42

1,2-Dichloroethane

Concen: 0.328 ug/l

RT: 6.111 min Scan# 824

Delta R.T. 0.030 min

Lab File: VX045271.D

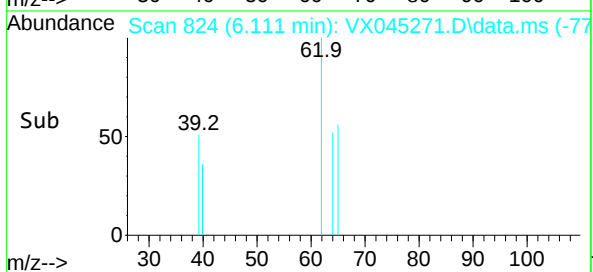
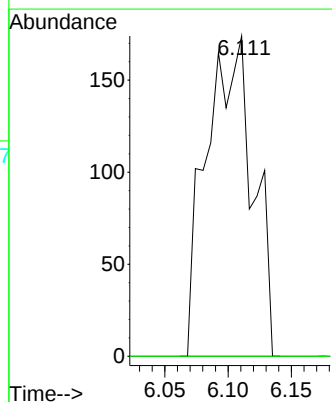
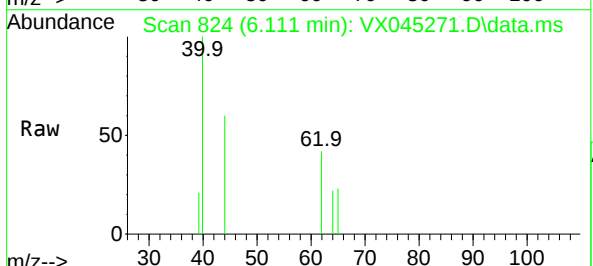
Acq: 13 Mar 2025 15:56

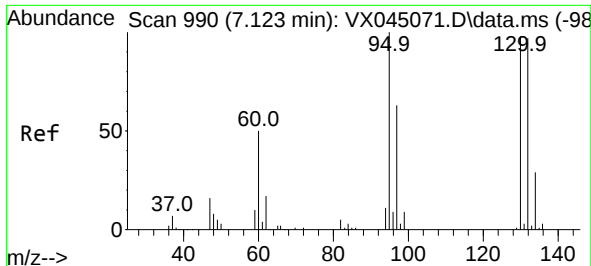
Tgt Ion: 62 Resp: 445

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2

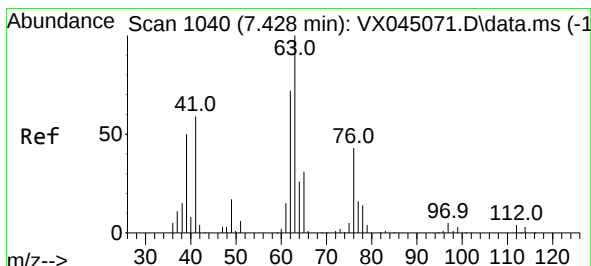
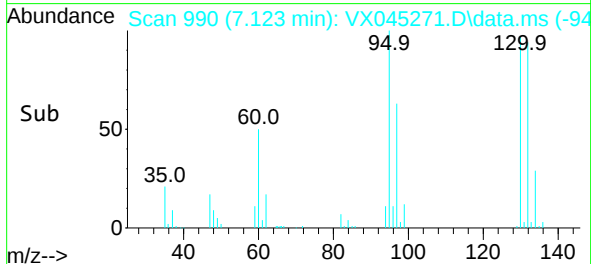
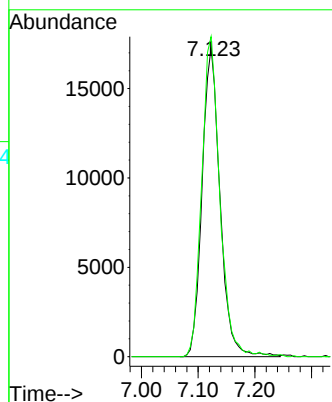
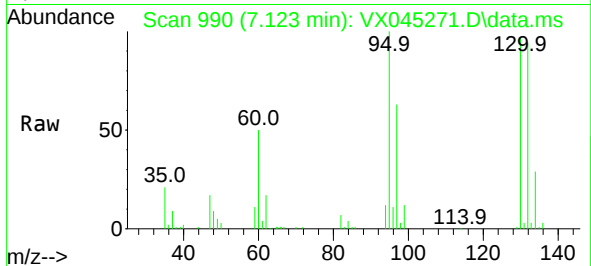




#44
Trichloroethene
Concen: 42.960 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

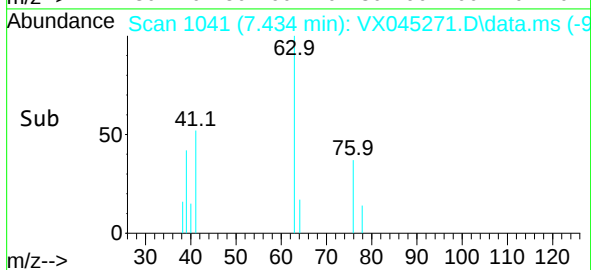
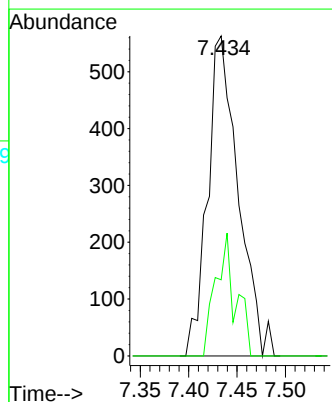
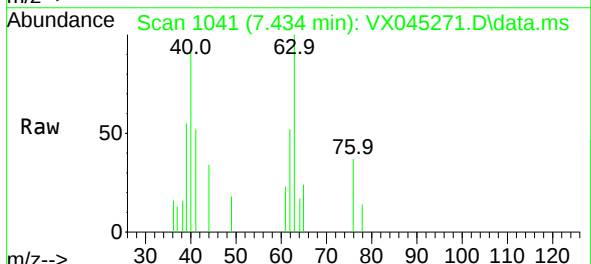
Instrument :
MSVOA_X
ClientSampleId :

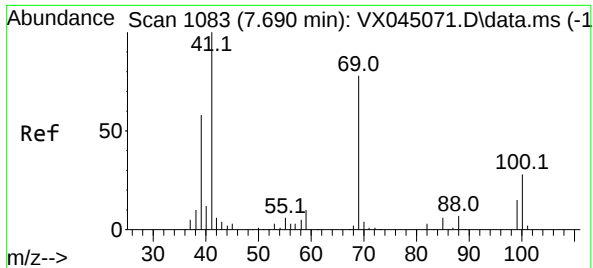
Tgt Ion:130 Resp: 38062
Ion Ratio Lower Upper
130 100
95 103.5 0.0 205.0



#45
1,2-Dichloropropane
Concen: 1.282 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion: 63 Resp: 1244
Ion Ratio Lower Upper
63 100
65 23.8 24.7 37.1#





#48

Methyl methacrylate

Concen: 0.690 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. -0.250 min

Lab File: VX045271.D

Acq: 13 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

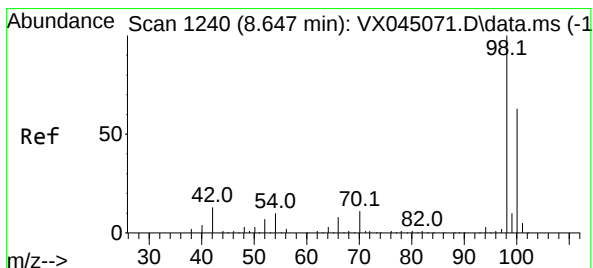
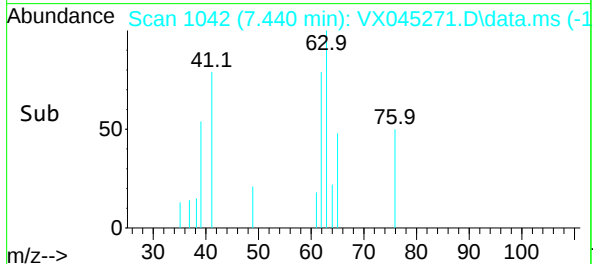
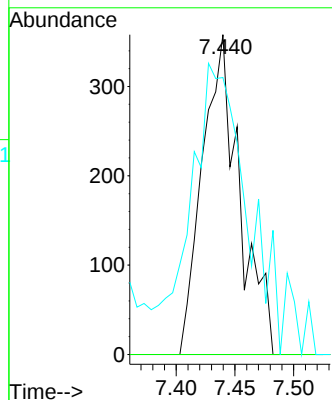
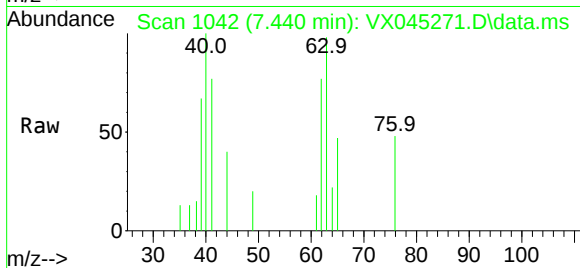
Tgt Ion: 41 Resp: 788

Ion Ratio Lower Upper

41 100

69 0.0 63.0 94.6#

39 133.6 47.5 71.3#



#50

Toluene-d8

Concen: 52.334 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045271.D

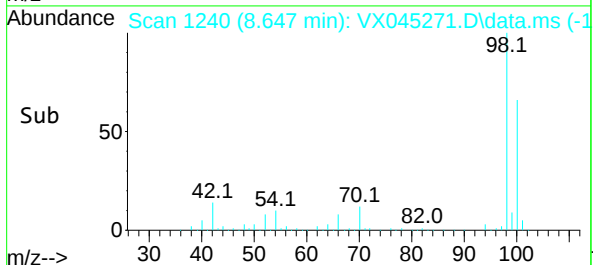
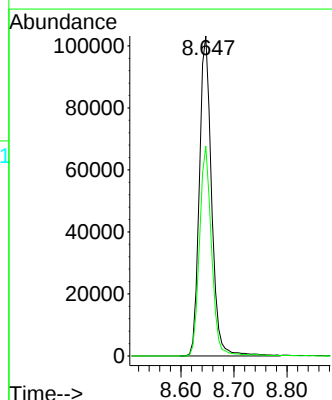
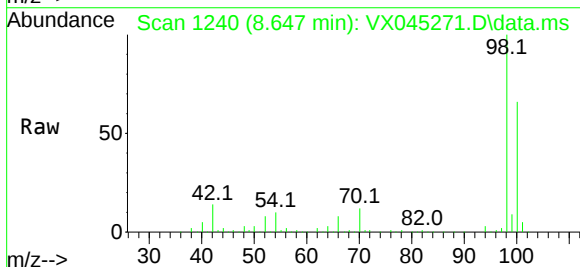
Acq: 13 Mar 2025 15:56

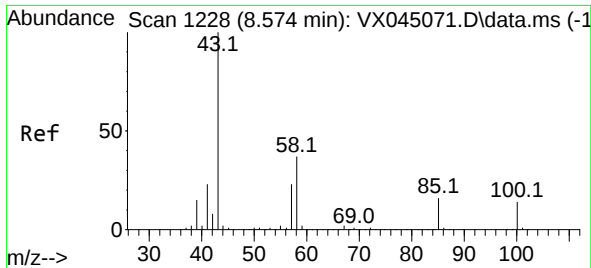
Tgt Ion: 98 Resp: 165311

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0

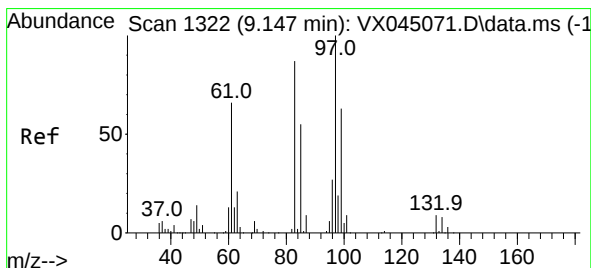
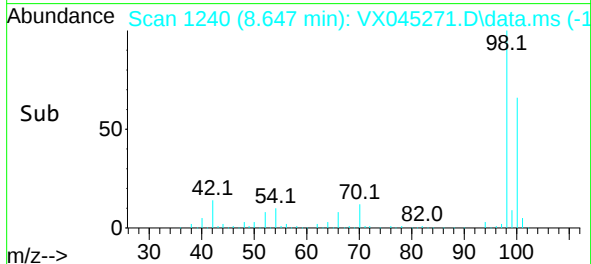
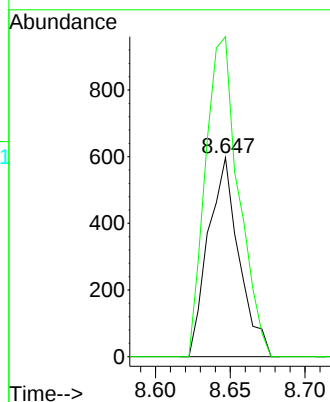
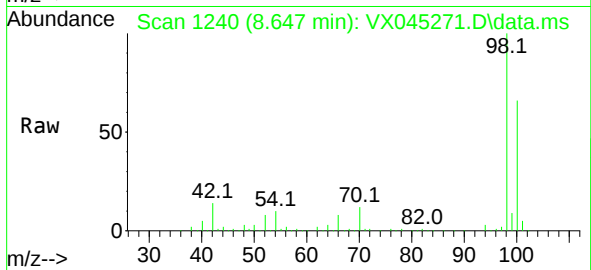




#51
 4-Methyl-2-Pentanone
 Concen: 0.559 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX045271.D
 Acq: 13 Mar 2025 15:56

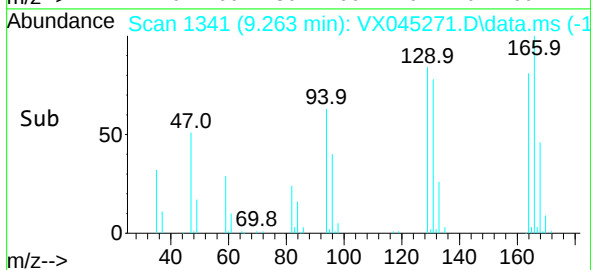
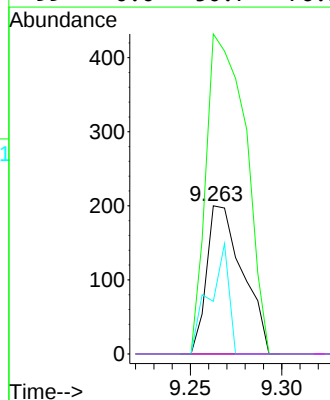
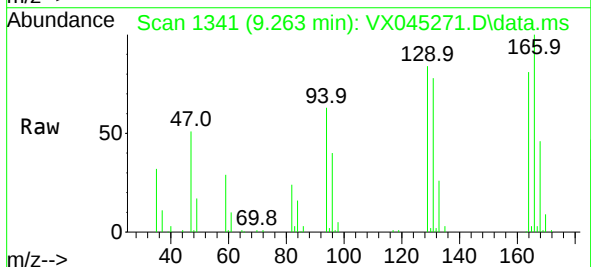
Instrument :
 MSVOA_X
 ClientSampleId :

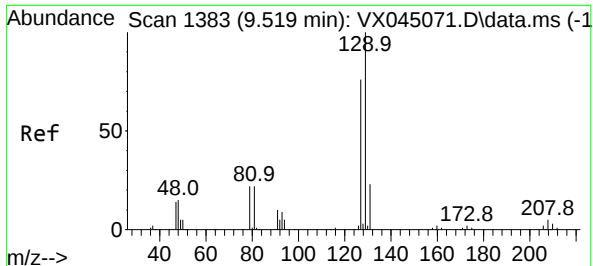
Tgt Ion: 43 Resp: 855
 Ion Ratio Lower Upper
 43 100
 58 173.5 29.2 43.8#



#55
 1,1,2-Trichloroethane
 Concen: 0.302 ug/l
 RT: 9.263 min Scan# 1341
 Delta R.T. 0.116 min
 Lab File: VX045271.D
 Acq: 13 Mar 2025 15:56

Tgt Ion: 97 Resp: 275
 Ion Ratio Lower Upper
 97 100
 83 216.0 69.4 104.2#
 85 35.5 44.1 66.1#
 99 0.0 50.7 76.1#

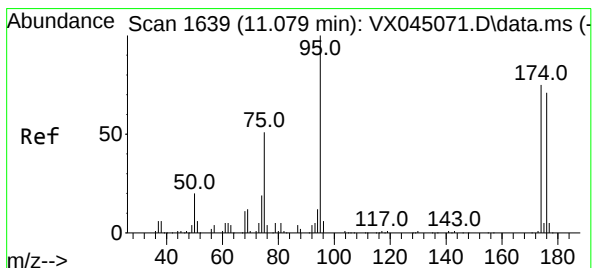
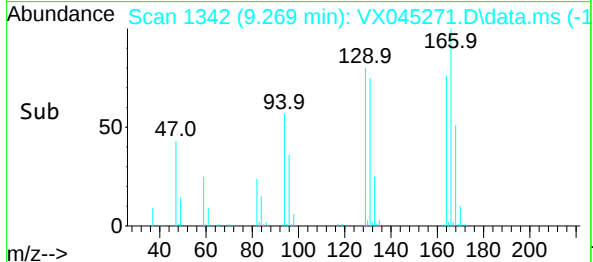
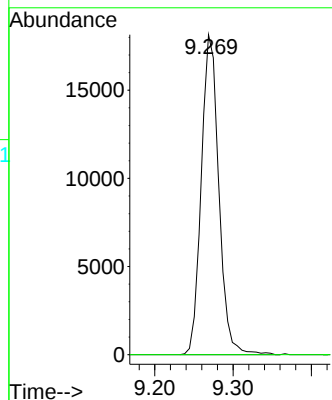
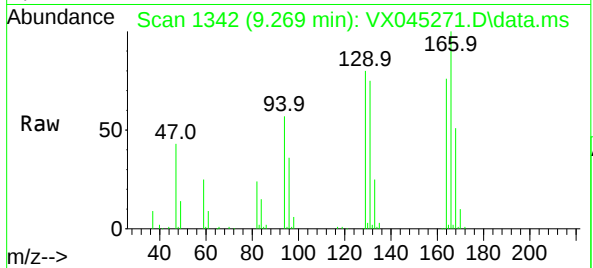




#60
Dibromochloromethane
Concen: 29.620 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

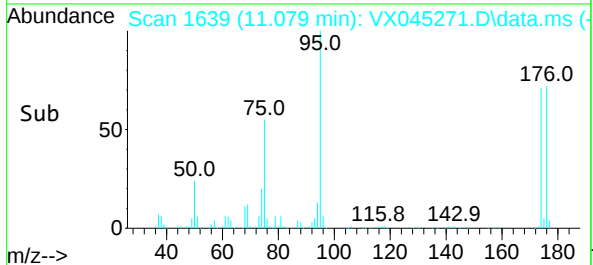
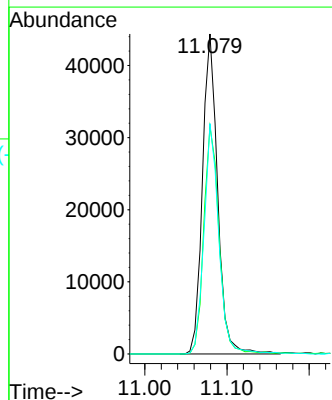
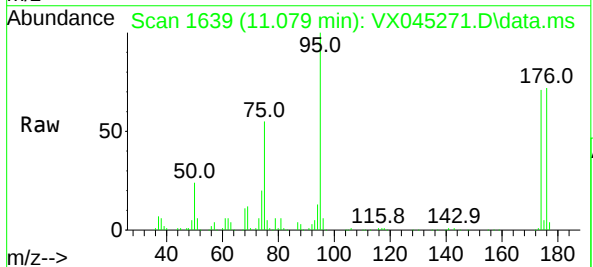
Instrument :
MSVOA_X
ClientSampleId :

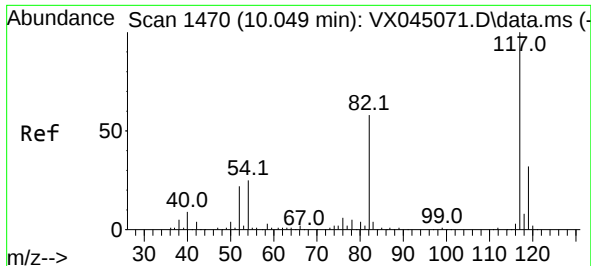
Tgt Ion:129 Resp: 28226
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 54.216 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion: 95 Resp: 56749
Ion Ratio Lower Upper
95 100
174 71.7 0.0 148.2
176 71.0 0.0 141.4

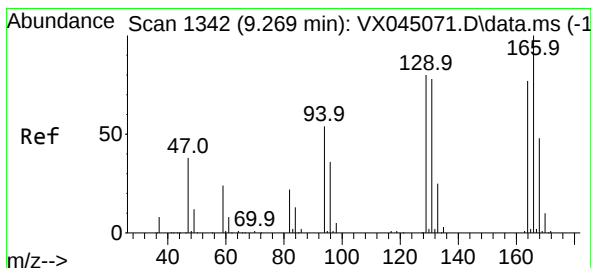
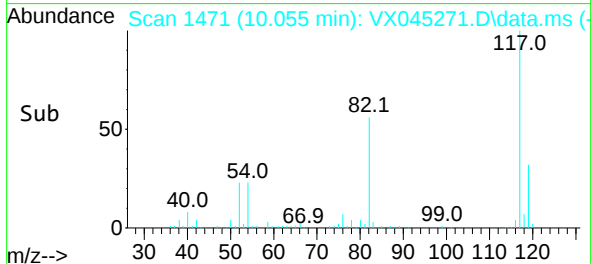
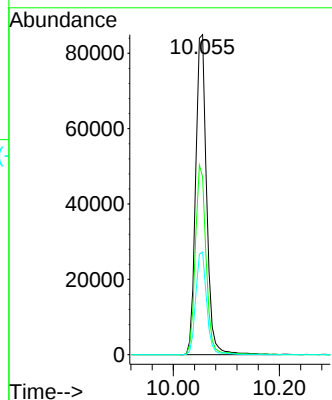
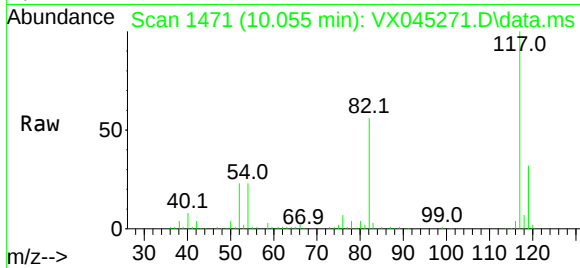




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

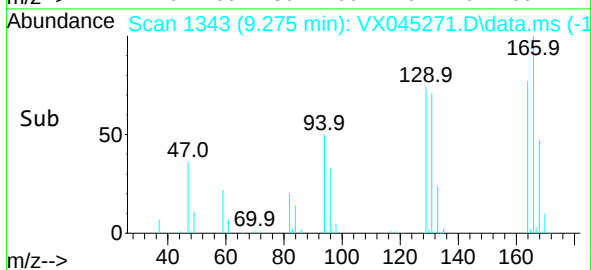
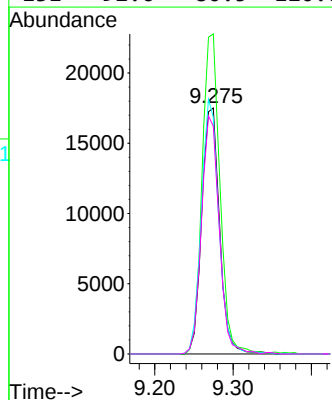
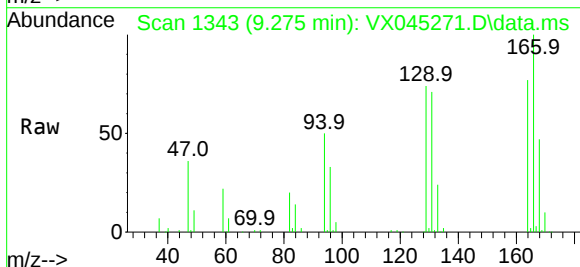
Instrument :
MSVOA_X
ClientSampleId :

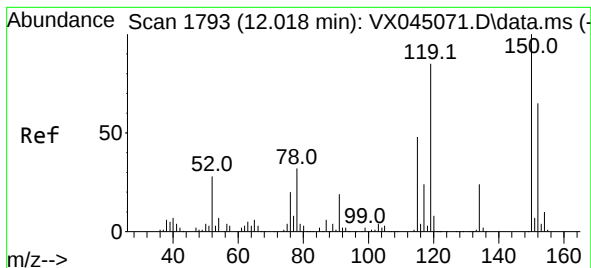
Tgt Ion:117 Resp: 122058
Ion Ratio Lower Upper
117 100
82 55.6 46.3 69.5
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 35.419 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045271.D
Acq: 13 Mar 2025 15:56

Tgt Ion:164 Resp: 27688
Ion Ratio Lower Upper
164 100
166 130.1 103.6 155.4
129 96.1 82.7 124.1
131 92.6 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: VX045271.D

Acq: 13 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

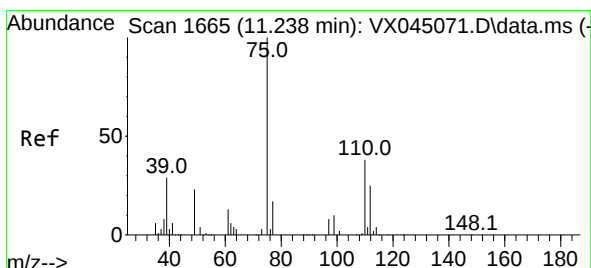
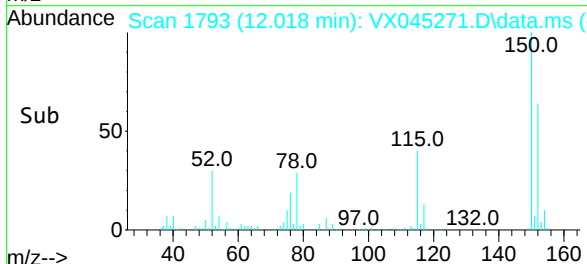
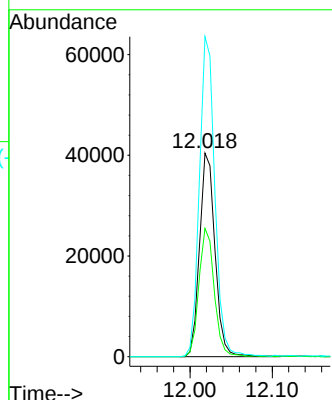
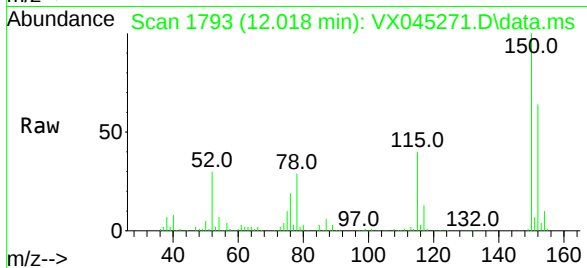
Tgt Ion:152 Resp: 52853

Ion Ratio Lower Upper

152 100

115 62.5 44.2 132.6

150 157.0 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 25.424 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045271.D

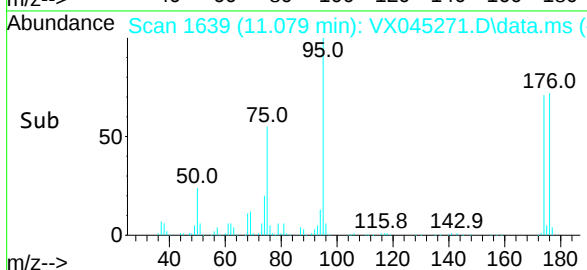
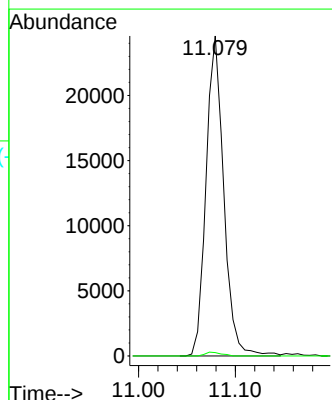
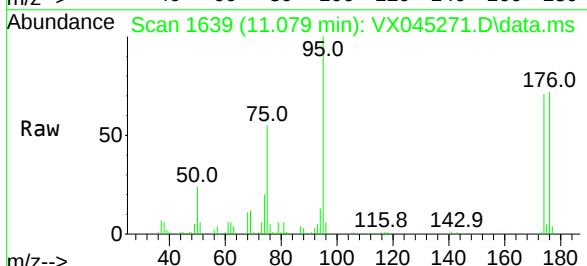
Acq: 13 Mar 2025 15:56

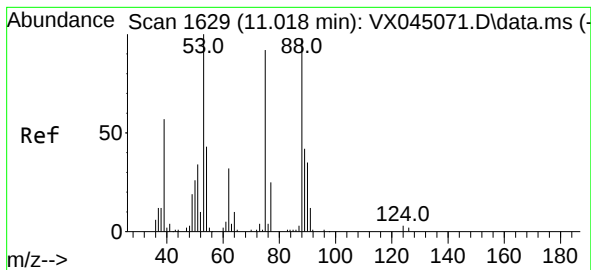
Tgt Ion: 75 Resp: 31275

Ion Ratio Lower Upper

75 100

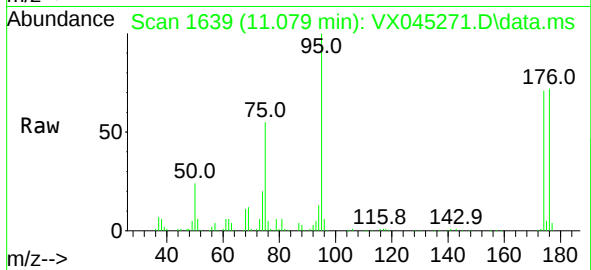
77 1.1 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.004 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045271.D
 Acq: 13 Mar 2025 15:56

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 31275
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.1 36.2 54.4#

