

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045360.D
 Acq On : 20 Mar 2025 14:50
 Operator : JC/MD
 Sample : Q1582-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Quant Time: Mar 21 01:48:48 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	66480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132547	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60209	56.937	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125		Recovery	= 113.880%	
35) Dibromofluoromethane	5.385	113	45058	50.838	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124		Recovery	= 101.680%	
50) Toluene-d8	8.647	98	163589	50.912	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113		Recovery	= 101.820%	
62) 4-Bromofluorobenzene	11.079	95	53491	50.238	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121		Recovery	= 100.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	305	1.523	ug/l #	73
16) Acetone	2.386	43	240	0.489	ug/l #	71
20) Methylene Chloride	2.776	84	334	0.344	ug/l #	63
31) Cyclohexane	5.544	56	1988	1.382	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	6376	5.246	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7390	5.989	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	860	0.553	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	30646	29.819	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30646	102.046	ug/l #	6

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

Quant Time: Mar 21 01:48:48 2025
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

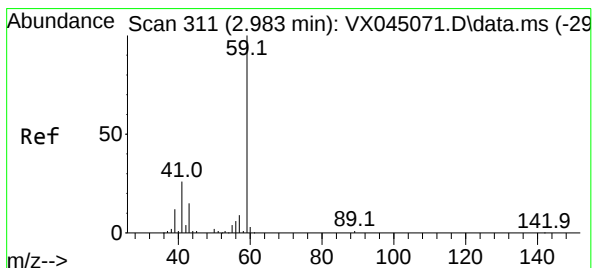
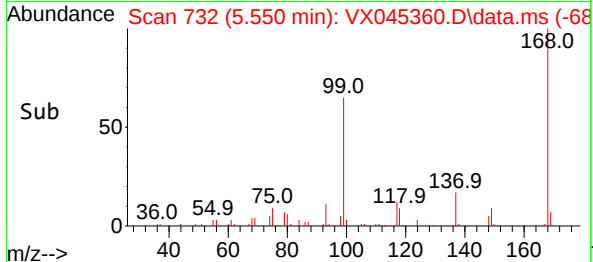
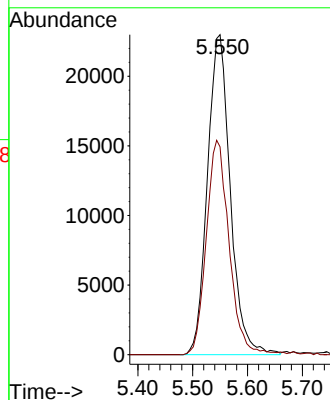
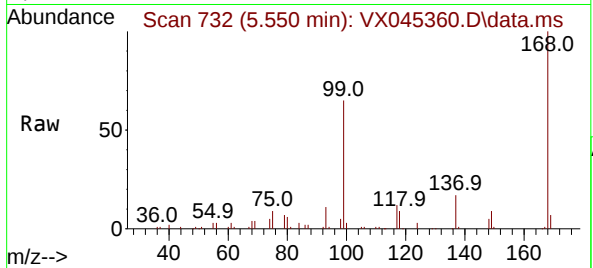




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

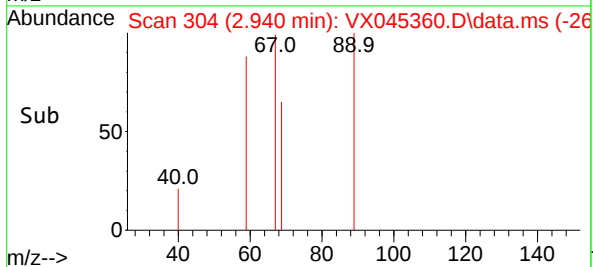
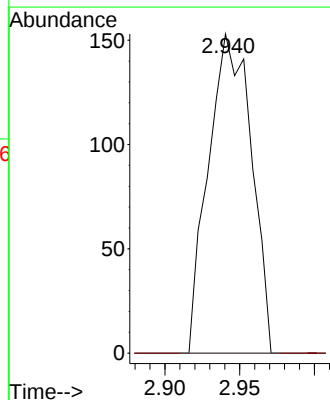
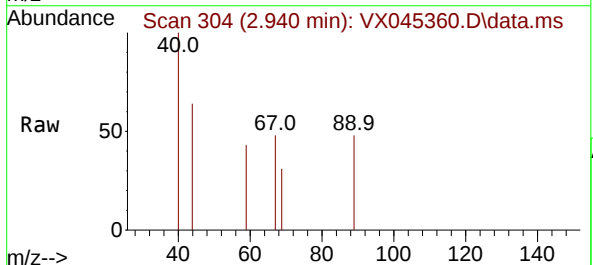
Instrument :
MSVOA_X
ClientSampleId :
FB

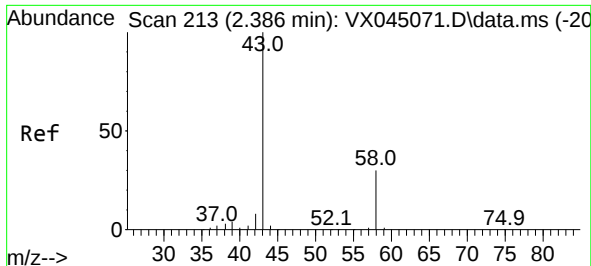
Tgt Ion:168 Resp: 66480
Ion Ratio Lower Upper
168 100
99 65.0 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.523 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Tgt Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

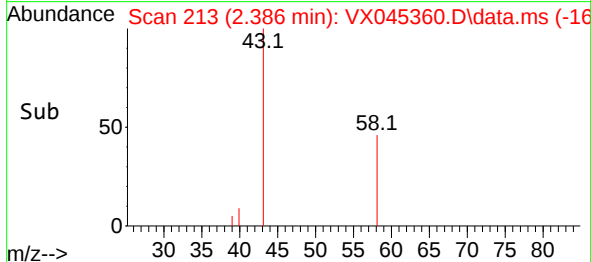
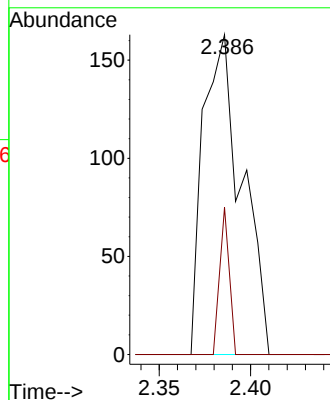
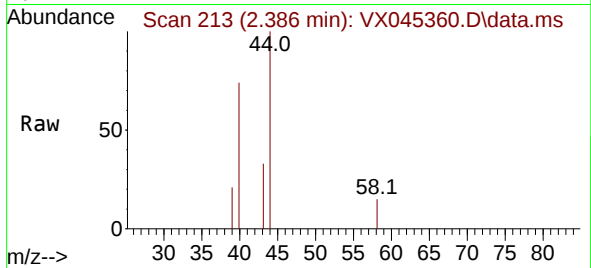




#16
Acetone
Concen: 0.489 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

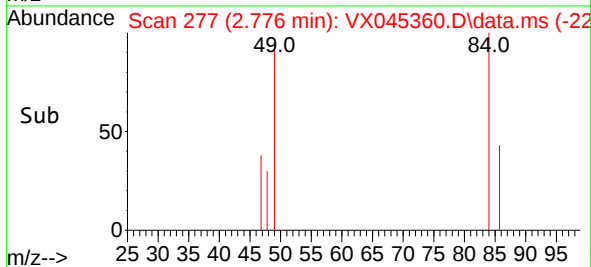
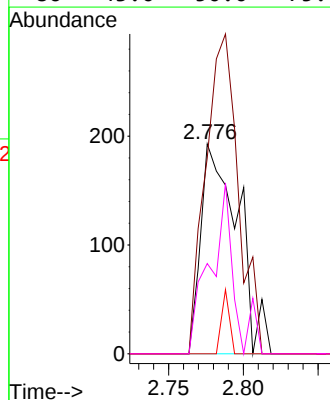
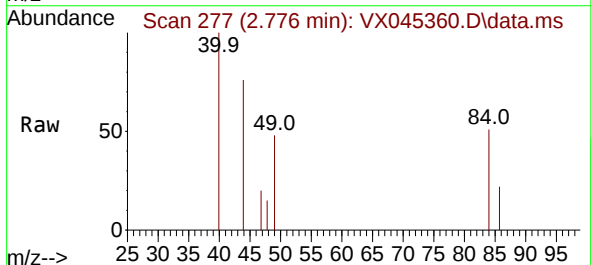
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MSVOA_X
ClientSampleId :
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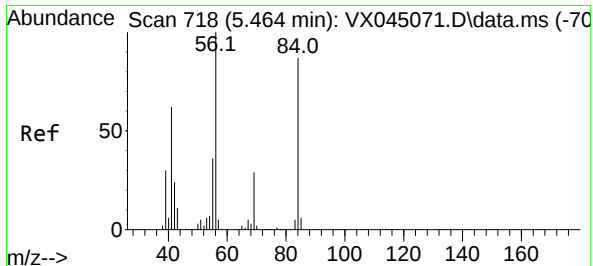
Tgt Ion: 43 Resp: 240
Ion Ratio Lower Upper
43 100
58 46.0 24.2 36.4#



#20
Methylene Chloride
Concen: 0.344 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

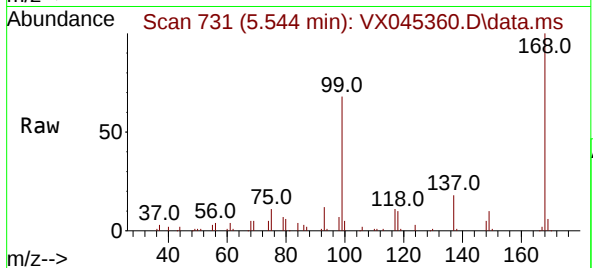
Tgt Ion: 84 Resp: 334
Ion Ratio Lower Upper
84 100
49 93.3 106.5 159.7#
51 0.0 32.1 48.1#
86 43.0 50.0 75.0#



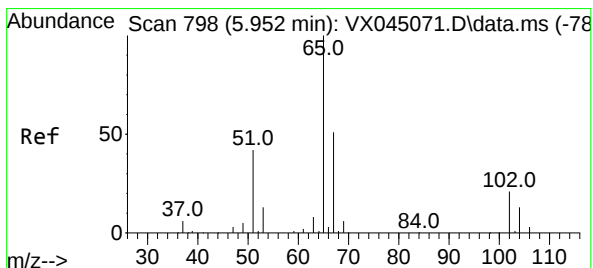
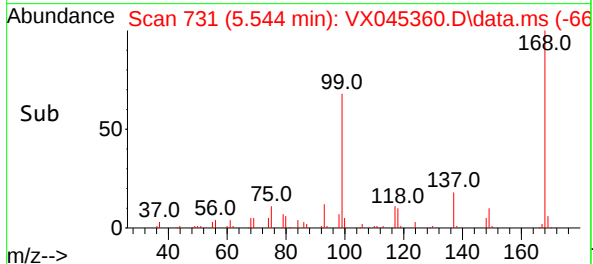
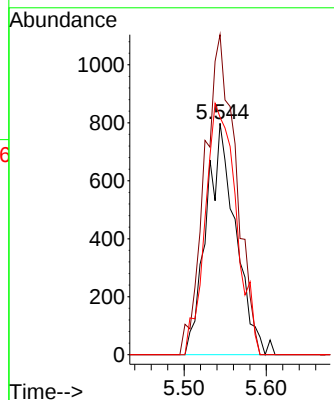


#31
Cyclohexane
Concen: 1.382 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
FB

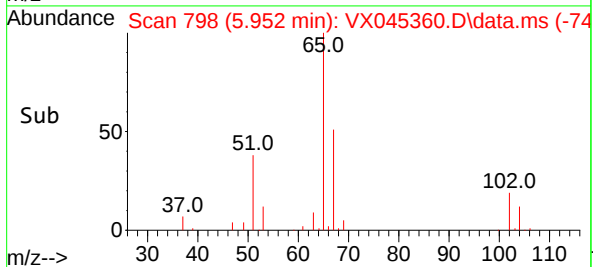
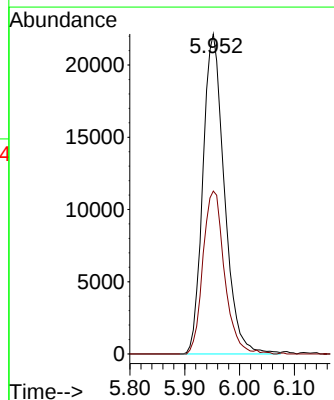
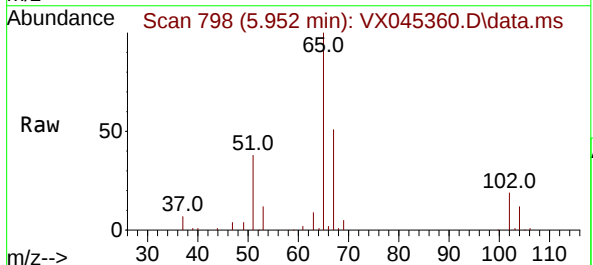


Tgt Ion: 56 Resp: 1988
Ion Ratio Lower Upper
56 100
69 138.3 23.4 35.2#
84 102.6 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 56.937 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Tgt Ion: 65 Resp: 60209
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.2

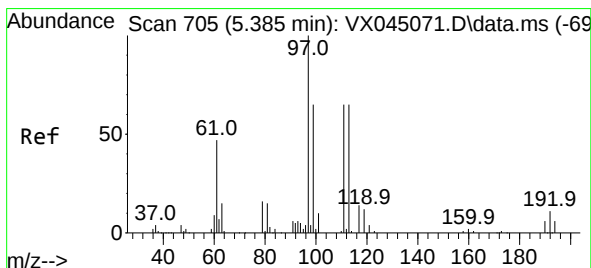
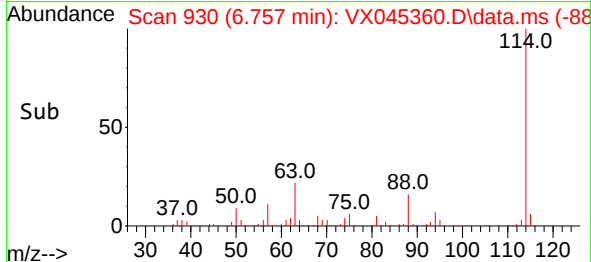
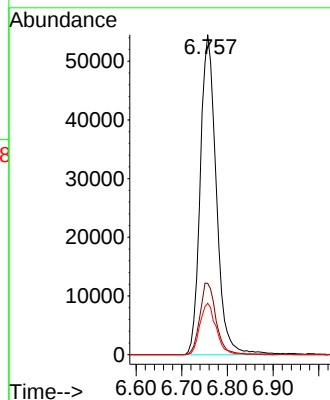
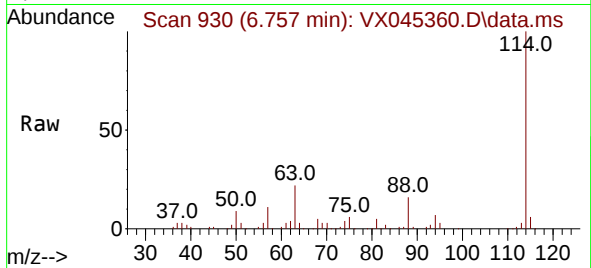




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

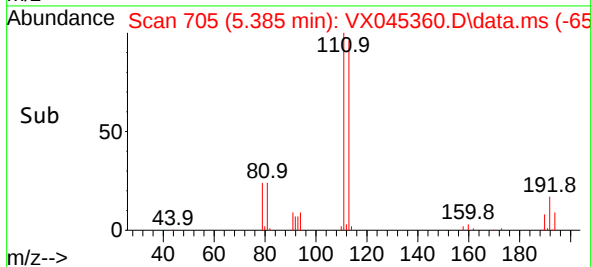
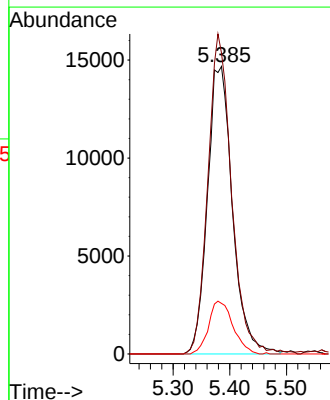
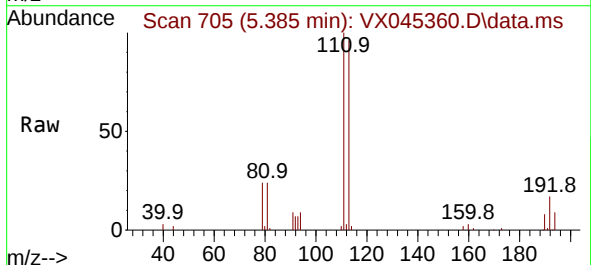
Instrument :
MSVOA_X
ClientSampleId :
FB

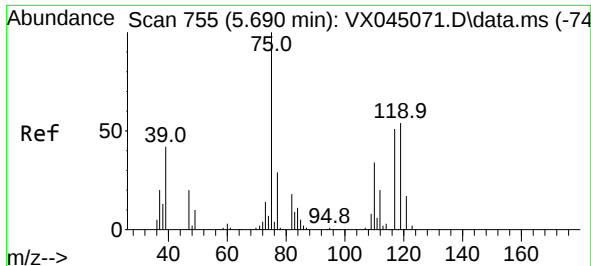
Tgt Ion:114 Resp: 132547
Ion Ratio Lower Upper
114 100
63 22.3 0.0 41.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.838 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Tgt Ion:113 Resp: 45058
Ion Ratio Lower Upper
113 100
111 105.3 81.8 122.6
192 17.9 14.3 21.5

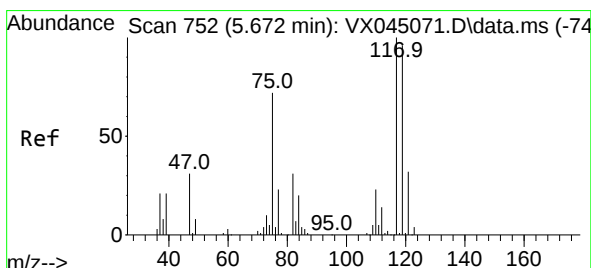
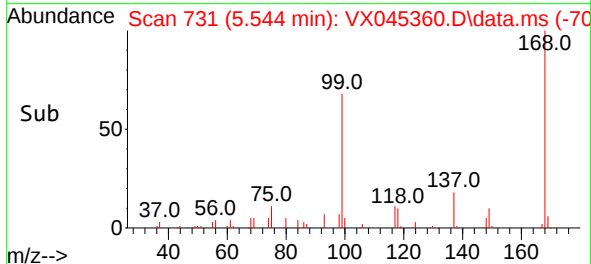
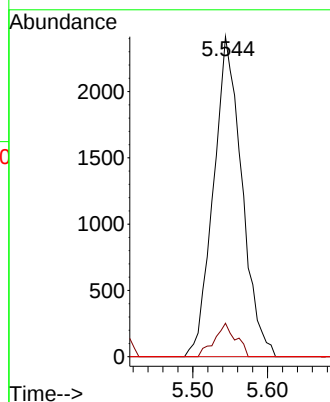
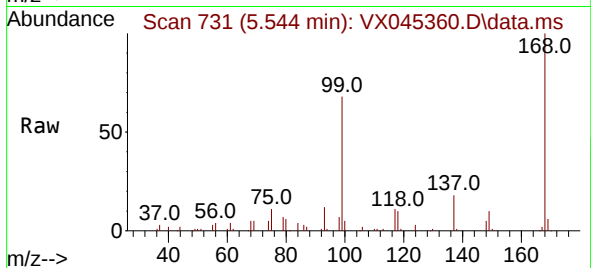




#36
1,1-Dichloropropene
Concen: 5.246 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

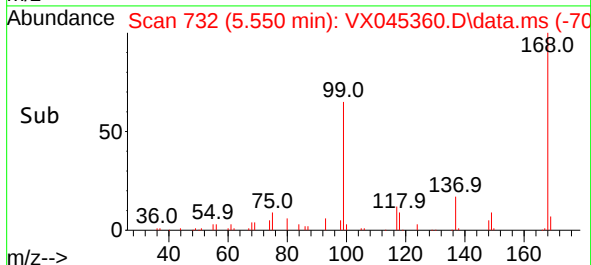
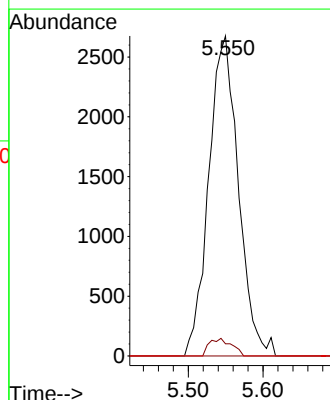
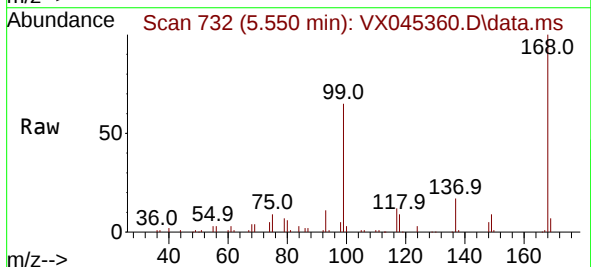
Instrument :
MSVOA_X
ClientSampleId :
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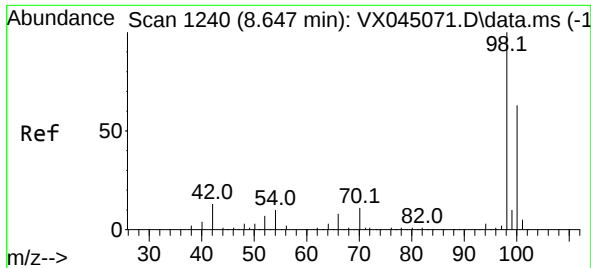
Tgt Ion: 75 Resp: 6376
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.989 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Tgt Ion: 117 Resp: 7390
Ion Ratio Lower Upper
117 100
119 3.8 76.7 115.1#
121 0.0 25.5 38.3#

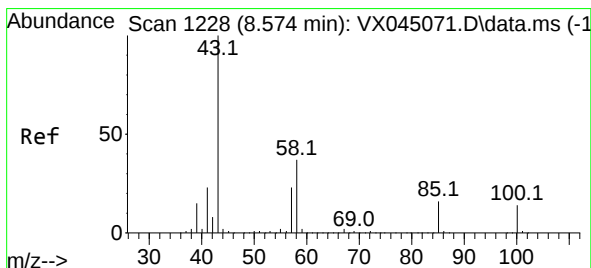
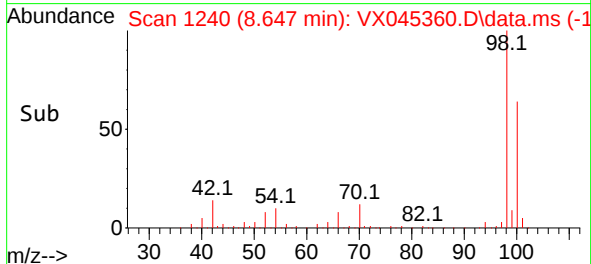
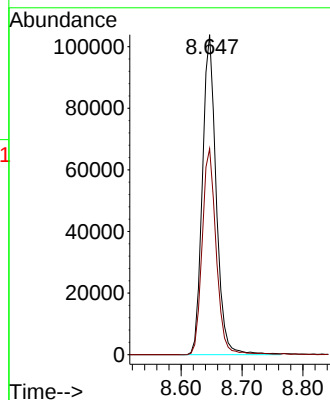
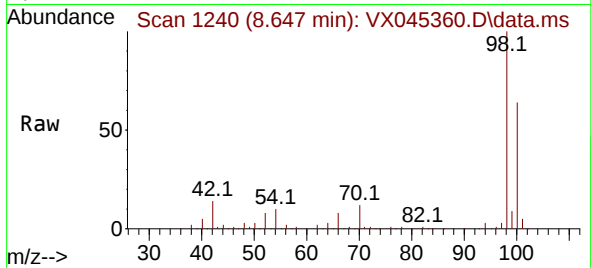




#50
Toluene-d8
Concen: 50.912 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

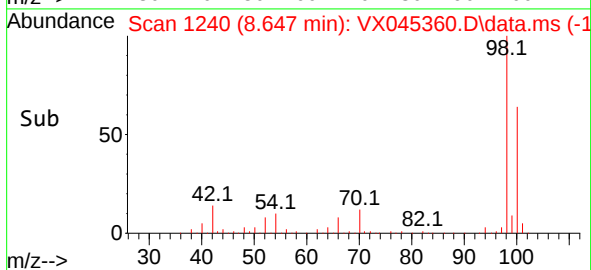
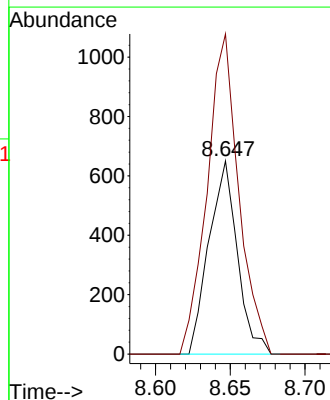
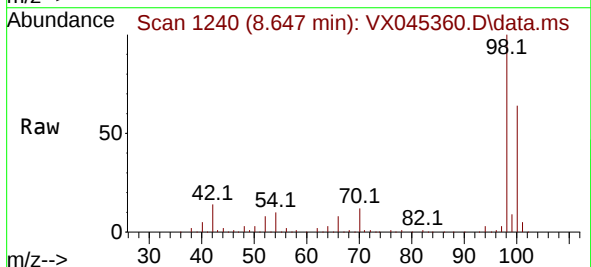
Instrument :
MSVOA_X
ClientSampleId :
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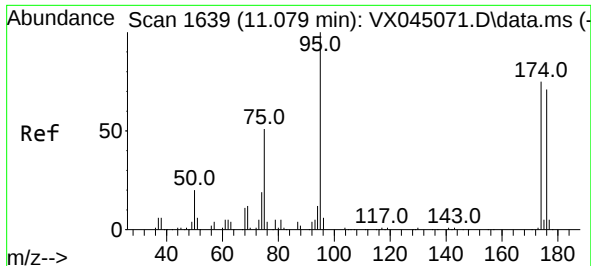
Tgt Ion: 98 Resp: 163589
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.553 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
58 184.4 29.2 43.8#

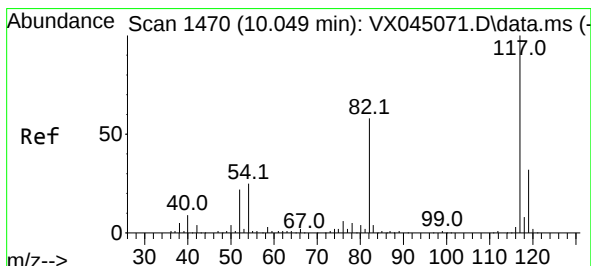
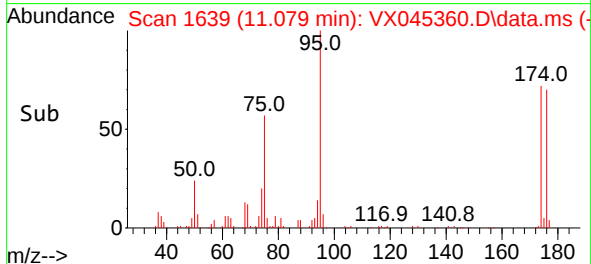
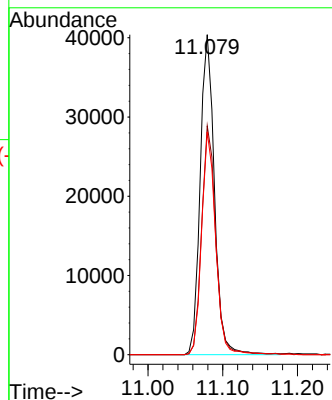
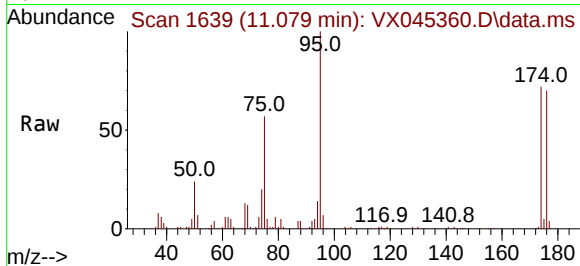




#62
4-Bromofluorobenzene
Concen: 50.238 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

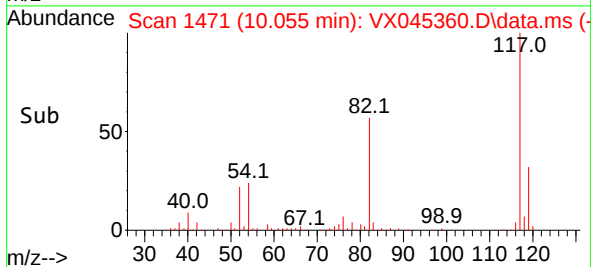
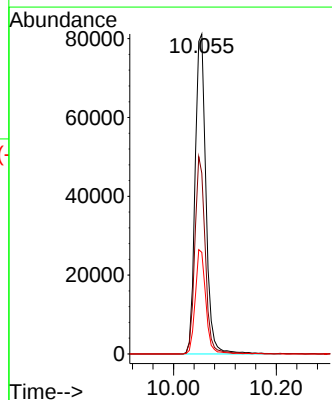
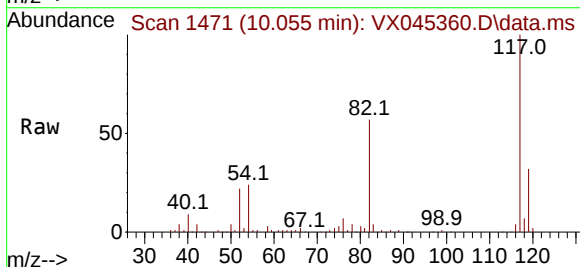
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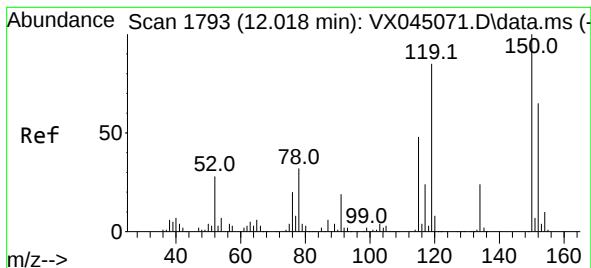
Tgt Ion: 95 Resp: 53491
Ion Ratio Lower Upper
95 100
174 70.8 0.0 148.2
176 68.6 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Tgt Ion: 117 Resp: 119115
Ion Ratio Lower Upper
117 100
82 56.5 46.3 69.5
119 31.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045360.D

Acq: 20 Mar 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

FB

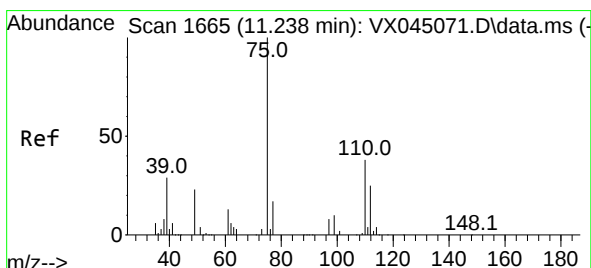
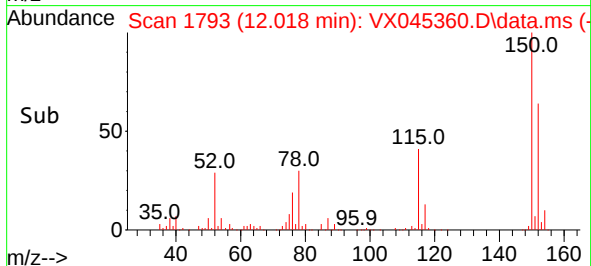
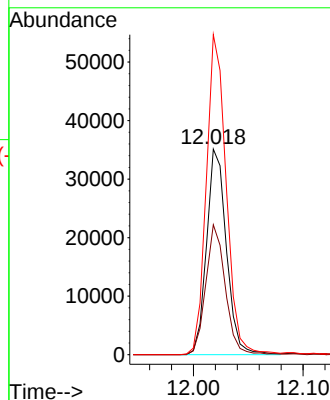
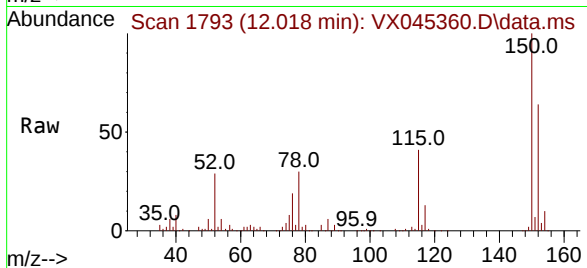
Tgt Ion:152 Resp: 44156

Ion Ratio Lower Upper

152 100

115 62.5 44.2 132.6

150 155.7 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 29.819 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045360.D

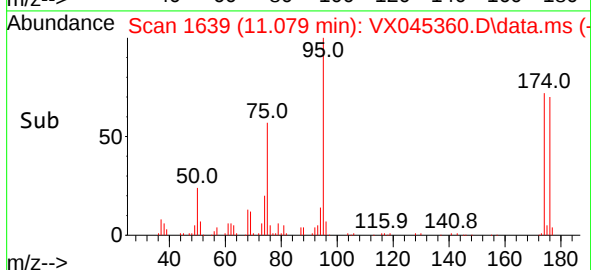
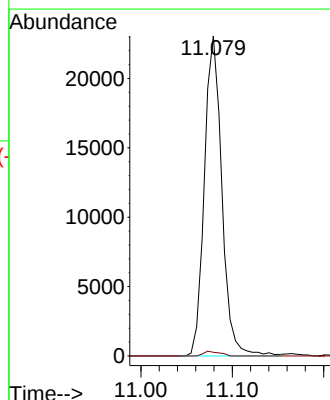
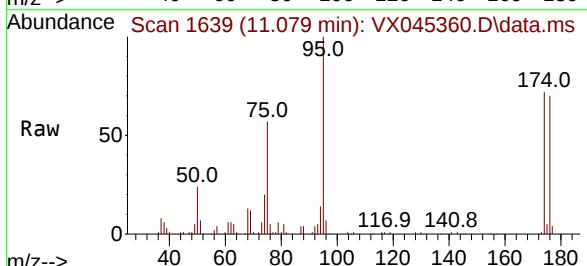
Acq: 20 Mar 2025 14:50

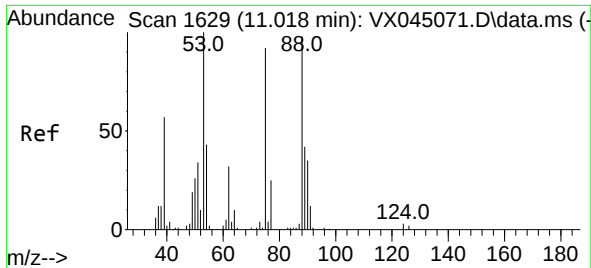
Tgt Ion: 75 Resp: 30646

Ion Ratio Lower Upper

75 100

77 1.4 20.7 62.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 102.046 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion: 75 Resp: 30646
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

