

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048395.D
 Acq On : 28 Oct 2025 13:48
 Operator : JC/MD
 Sample : Q3472-04 20X
 Misc : 1.09g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: Oct 29 01:19:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

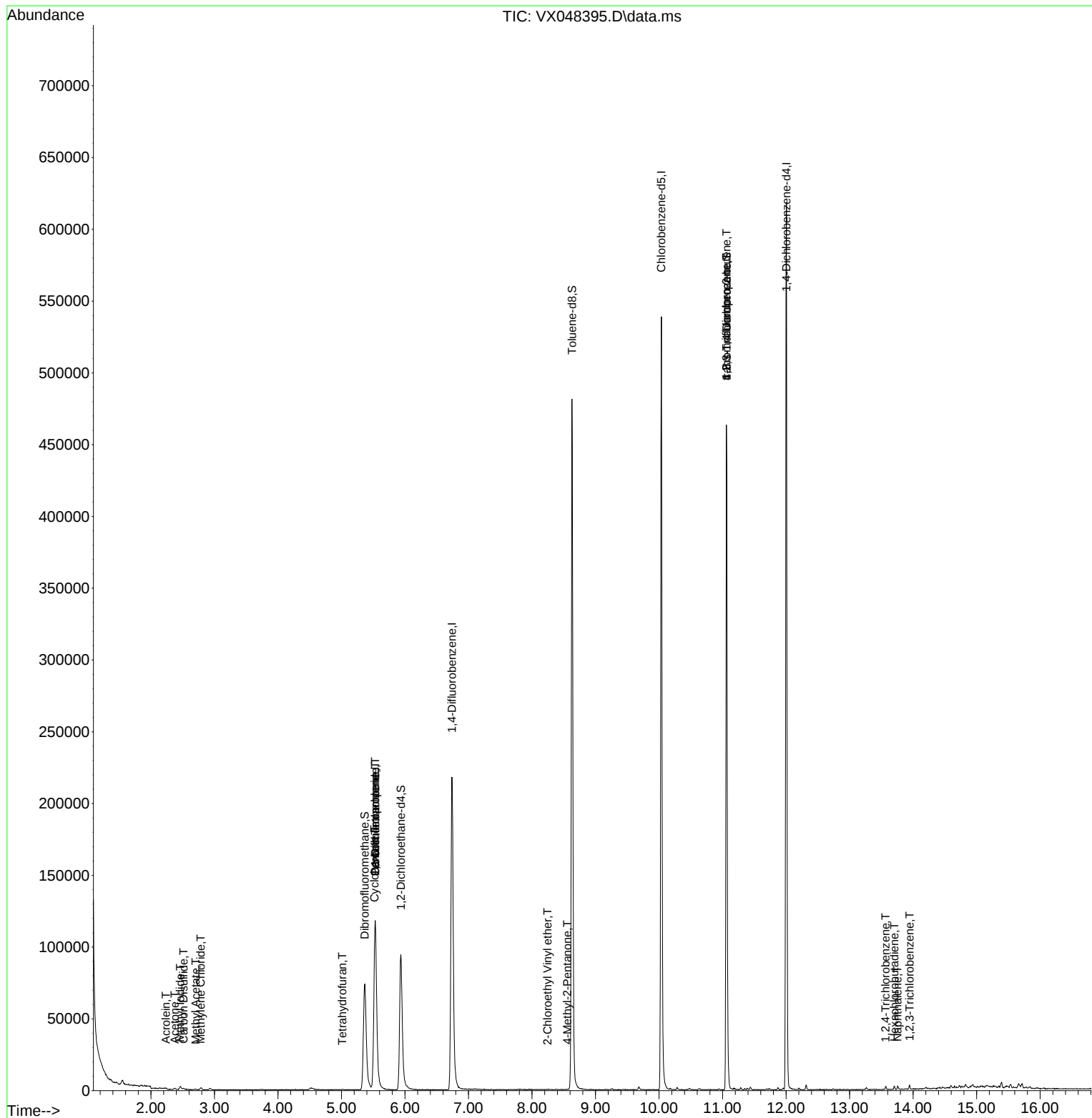
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	119948	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	247207	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	254252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	106776	63.491	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 126.980%#	
35) Dibromofluoromethane	5.367	113	74090	43.901	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 87.800%	
50) Toluene-d8	8.628	98	303064	51.233	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.460%	
62) 4-Bromofluorobenzene	11.061	95	131103	58.257	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.520%	
Target Compounds						Qvalue
10) Methyl Iodide	2.459	142	2915	1.791	ug/l #	95
13) Acrolein	2.233	56	73	0.429	ug/l #	15
16) Acetone	2.373	43	1217	2.109	ug/l #	73
17) Carbon Disulfide	2.514	76	984	0.248	ug/l #	75
18) Methyl Acetate	2.703	43	713	0.592	ug/l #	71
20) Methylene Chloride	2.782	84	757	0.538	ug/l #	69
29) Tetrahydrofuran	5.013	42	161	0.368	ug/l #	44
31) Cyclohexane	5.519	56	1249	0.598	ug/l #	4
36) 1,1-Dichloropropene	5.531	75	10052	4.191	ug/l #	50
38) Carbon Tetrachloride	5.531	117	12663	4.279	ug/l #	17
51) 4-Methyl-2-Pentanone	8.555	43	462	0.245	ug/l #	38
58) 2-Chloroethyl Vinyl ether	8.244	63	147	1.810	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	68410	32.463	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	68410	78.980	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.567	180	649	0.228	ug/l	92
94) Hexachlorobutadiene	13.707	225	420	0.460	ug/l	94
95) Naphthalene	13.756	128	1625	0.215	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.945	180	675	0.258	ug/l	98

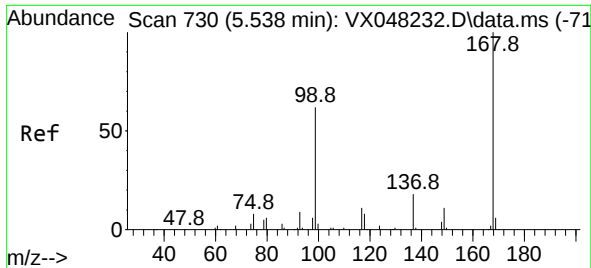
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

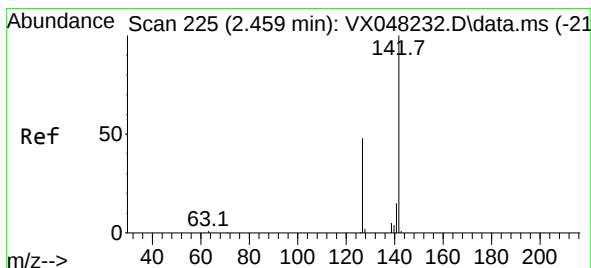
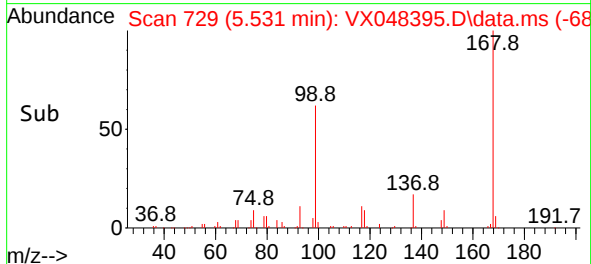
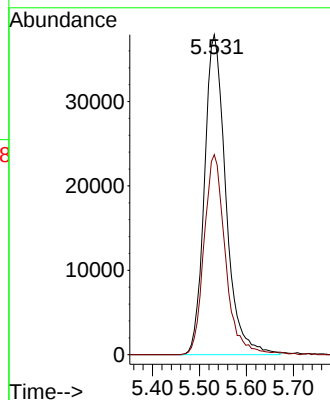
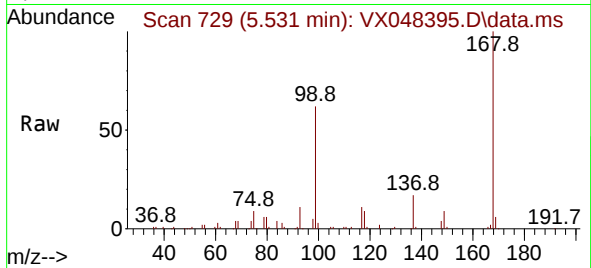




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

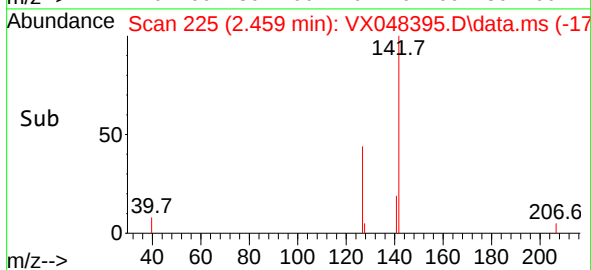
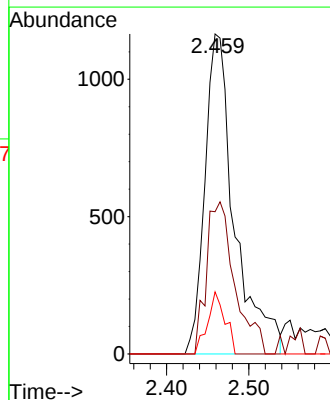
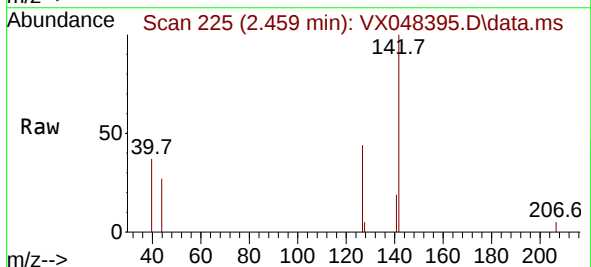
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

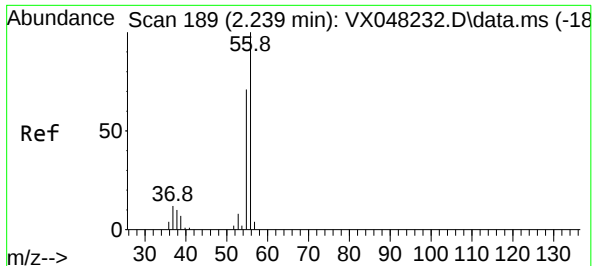
Tgt Ion:168 Resp: 119948
Ion Ratio Lower Upper
168 100
99 62.5 46.4 69.6



#10
Methyl Iodide
Concen: 1.791 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Tgt Ion:142 Resp: 2915
Ion Ratio Lower Upper
142 100
127 45.6 38.5 57.7
141 11.4 11.6 17.4#

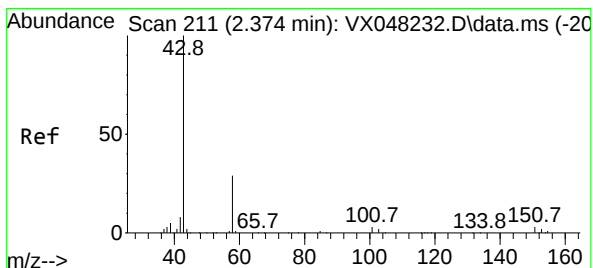
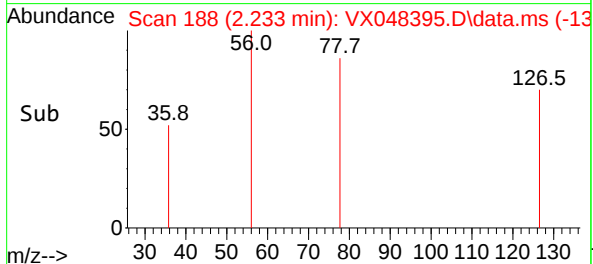
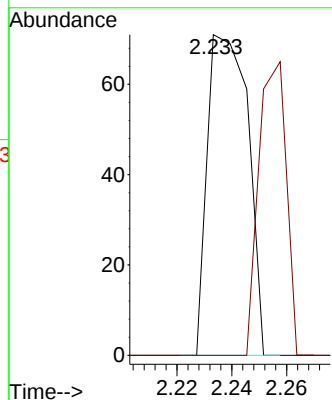
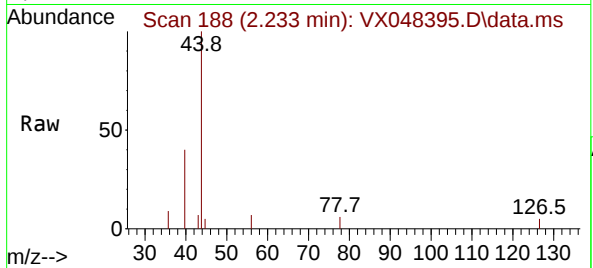




#13
Acrolein
Concen: 0.429 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

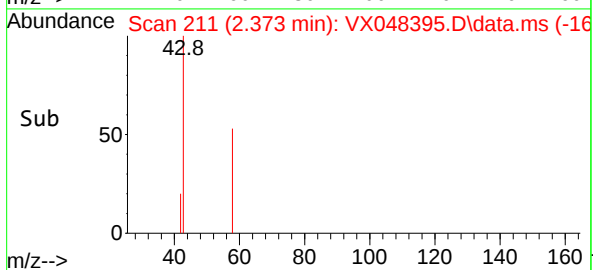
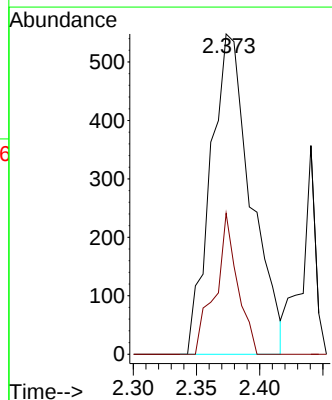
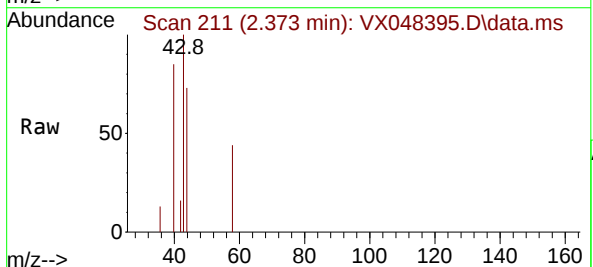
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

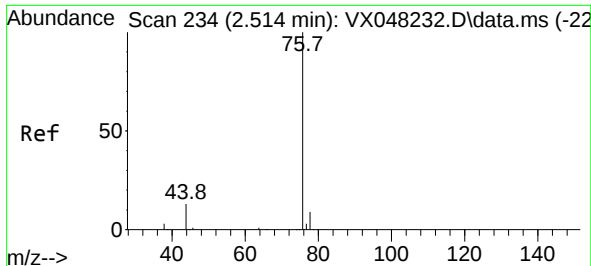
Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#



#16
Acetone
Concen: 2.109 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Tgt Ion: 43 Resp: 1217
Ion Ratio Lower Upper
43 100
58 44.0 23.4 35.2#





#17

Carbon Disulfide

Concen: 0.248 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX048395.D

Acq: 28 Oct 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

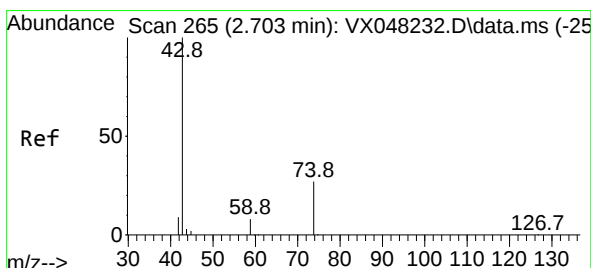
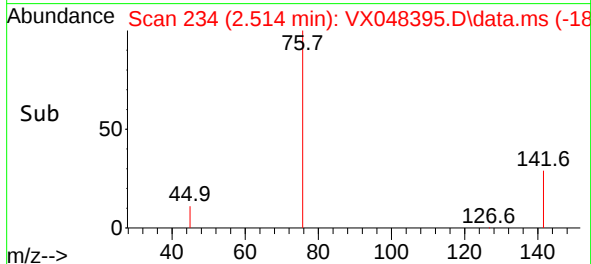
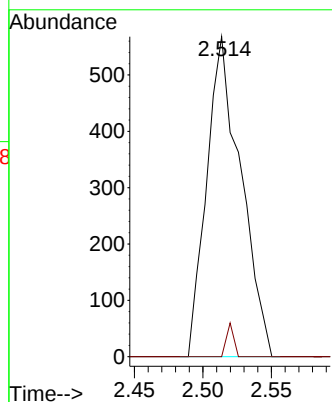
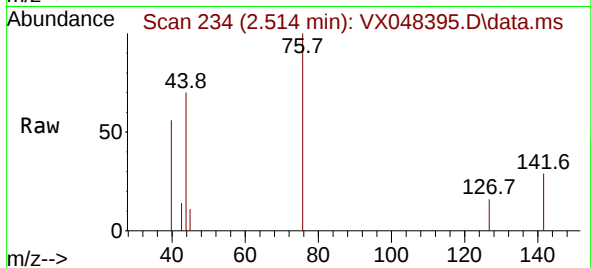
COMP-1

Tgt Ion: 76 Resp: 984

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.592 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX048395.D

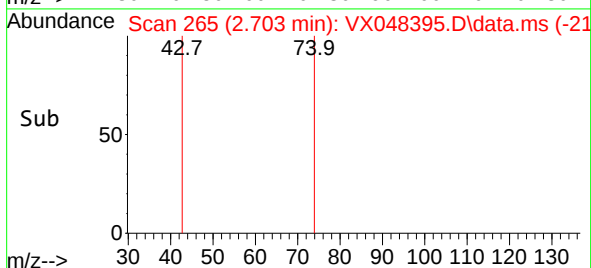
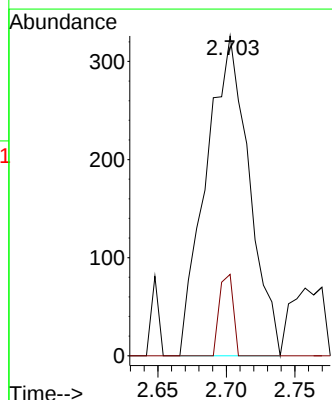
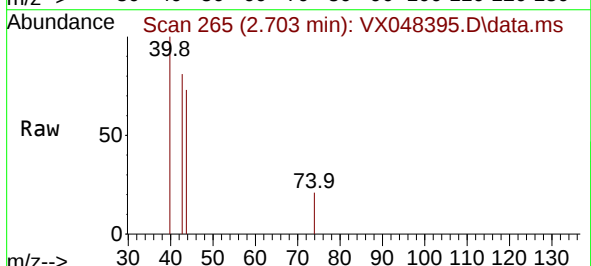
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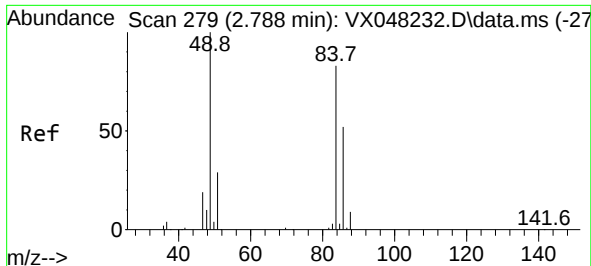
Tgt Ion: 43 Resp: 713

Ion Ratio Lower Upper

43 100

74 8.1 17.5 26.3#

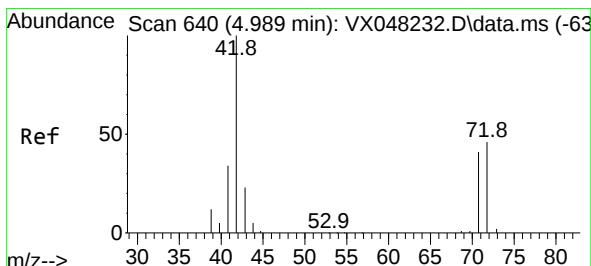
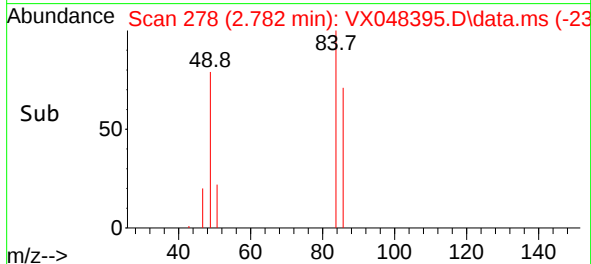
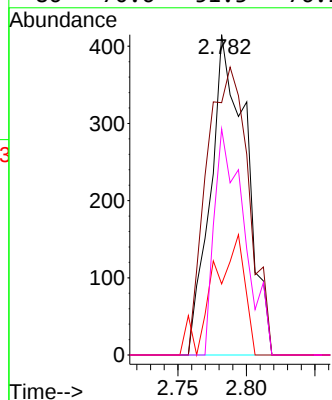
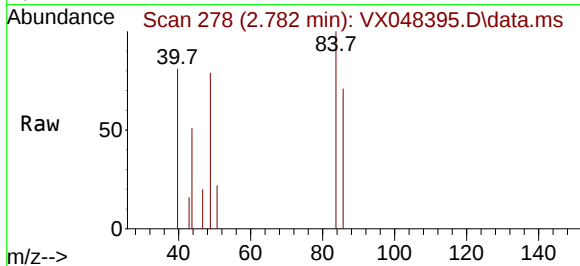




#20
Methylene Chloride
Concen: 0.538 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

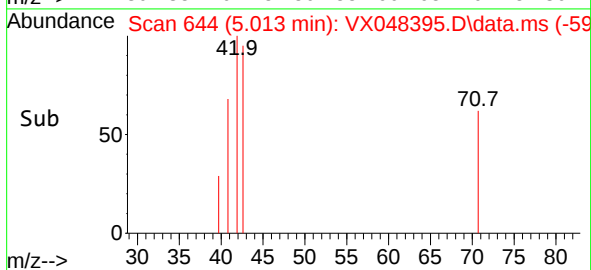
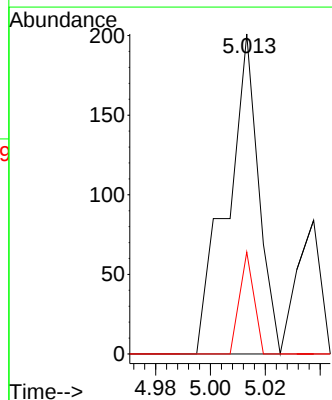
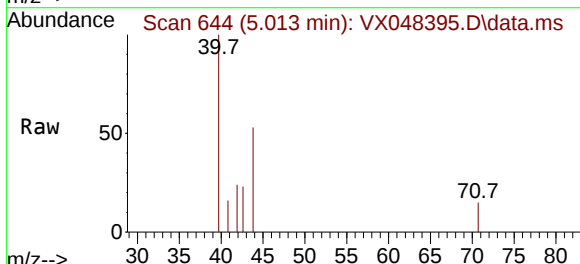
Instrument :
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ClientSampleId :
COMP-1

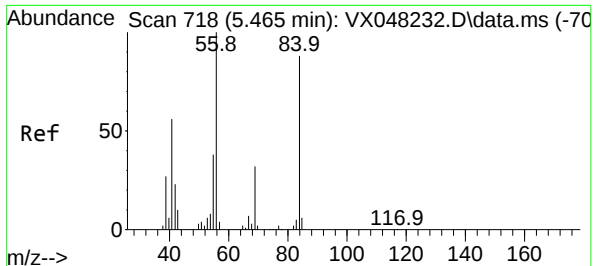
Tgt Ion:	84	Resp:	757
Ion	Ratio	Lower	Upper
84	100		
49	78.8	104.1	156.1#
51	22.2	31.3	46.9#
86	70.6	51.3	76.9



#29
Tetrahydrofuran
Concen: 0.368 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.024 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Tgt Ion:	42	Resp:	161
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.3	52.9#
71	14.3	32.2	48.4#

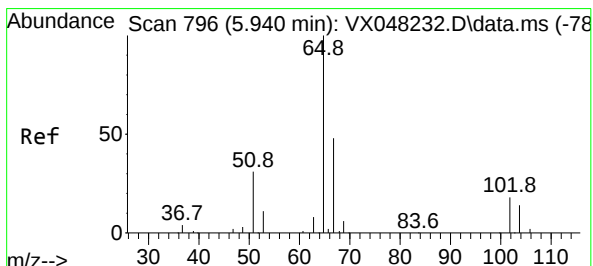
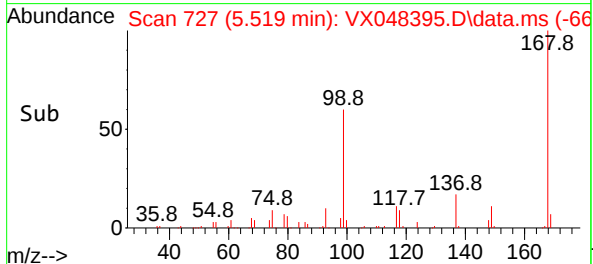
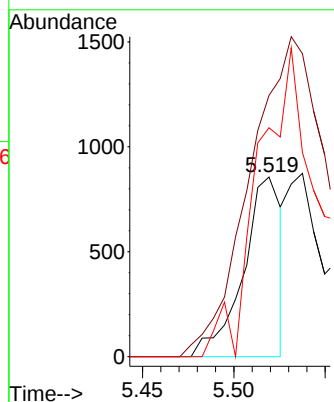
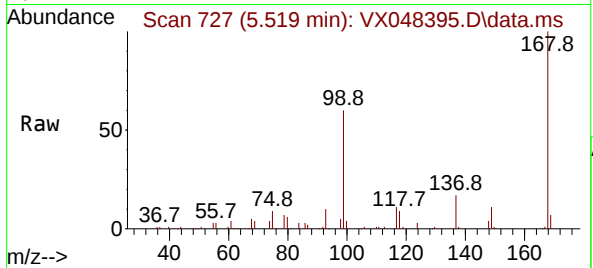




#31
Cyclohexane
Concen: 0.598 ug/l
RT: 5.519 min Scan# 718
Delta R.T. 0.061 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

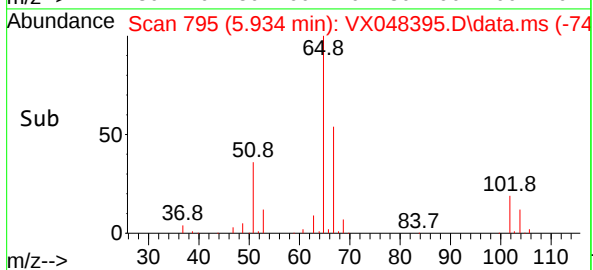
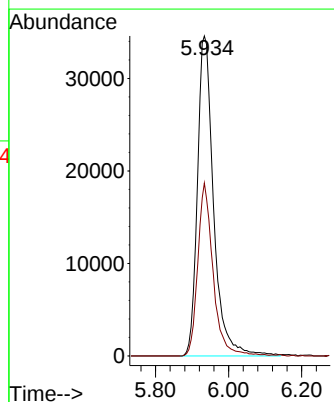
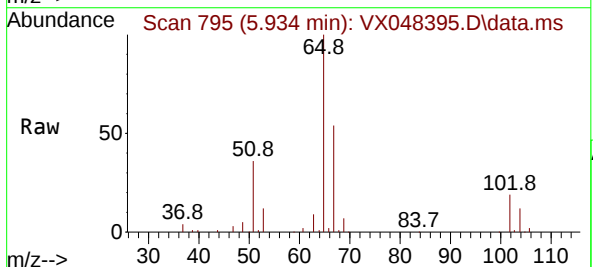
Instrument :
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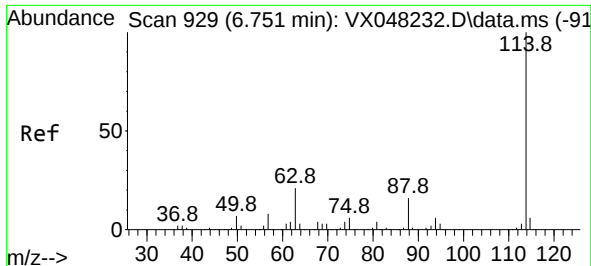
Tgt Ion: 56 Resp: 1249
Ion Ratio Lower Upper
56 100
69 145.4 23.0 34.6#
84 127.5 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 63.491 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Tgt Ion: 65 Resp: 106776
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.0

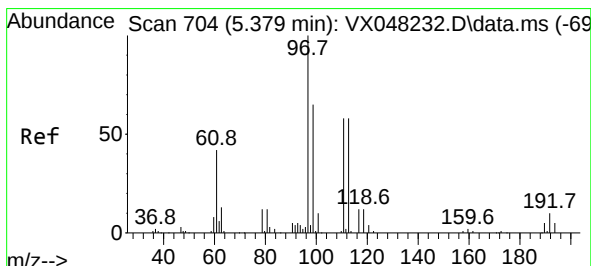
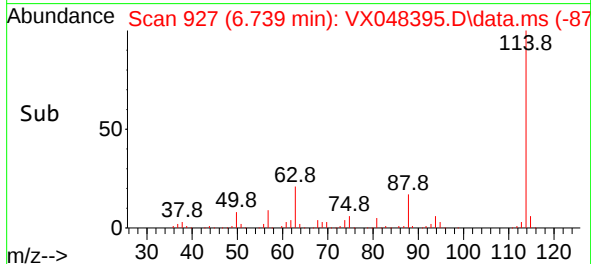
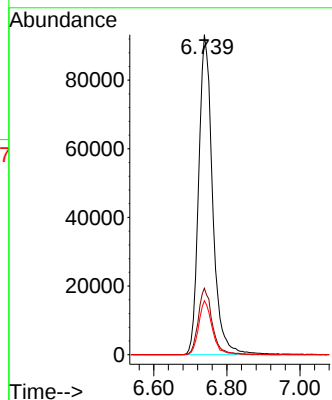
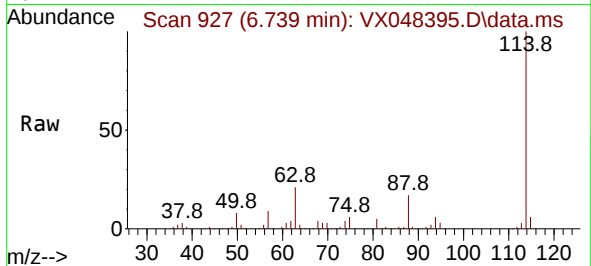




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

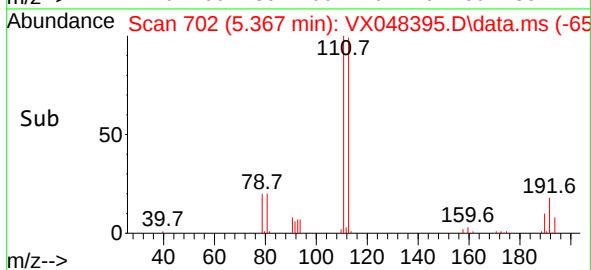
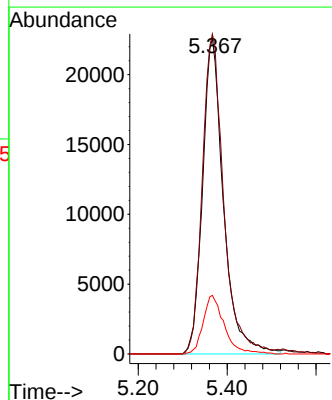
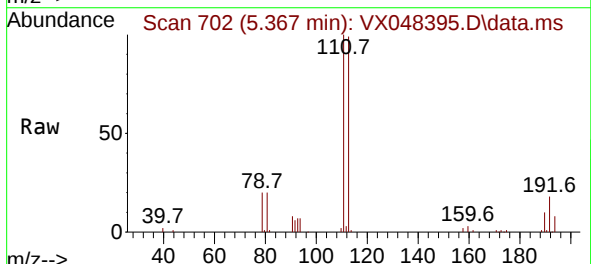
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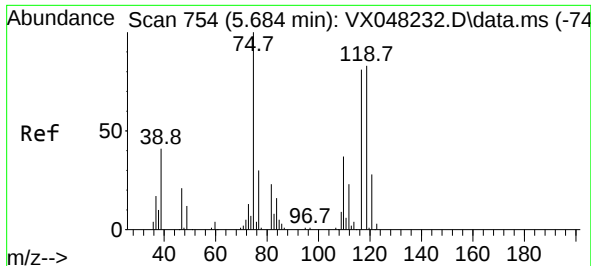
Tgt Ion:114 Resp: 247207
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.2
88 16.9 0.0 33.6



#35
Dibromofluoromethane
Concen: 43.901 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Tgt Ion:113 Resp: 74090
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 18.8 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.191 ug/l

RT: 5.531 min Scan# 729

Delta R.T. -0.153 min

Lab File: VX048395.D

Acq: 28 Oct 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

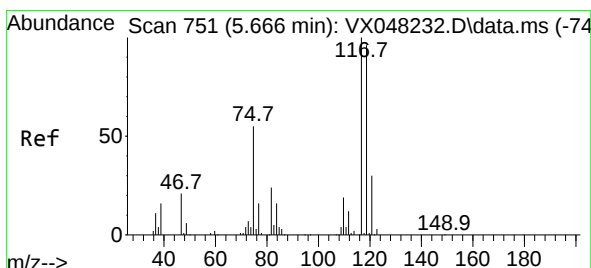
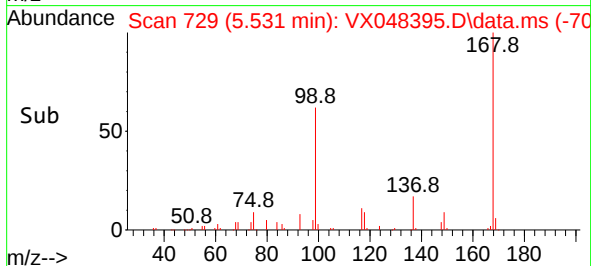
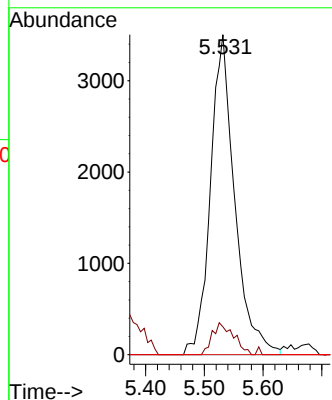
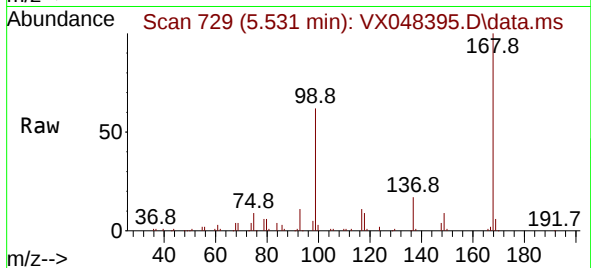
Tgt Ion: 75 Resp: 10052

Ion Ratio Lower Upper

75 100

110 8.8 17.7 53.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.279 ug/l

RT: 5.531 min Scan# 729

Delta R.T. -0.134 min

Lab File: VX048395.D

Acq: 28 Oct 2025 13:48

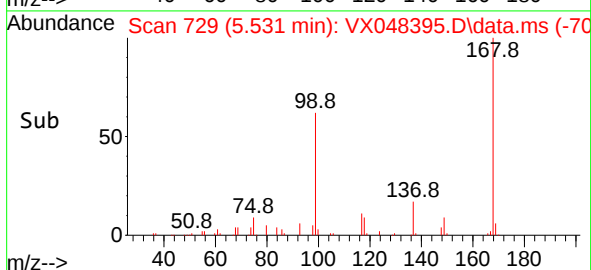
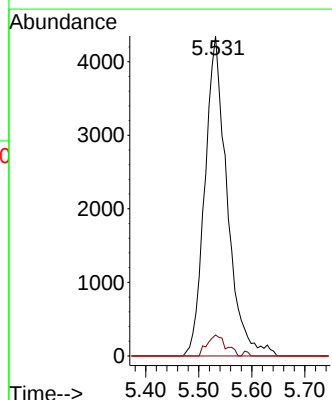
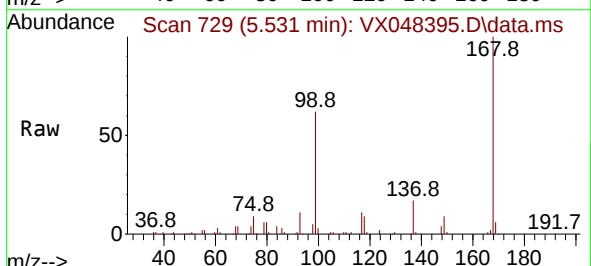
Tgt Ion: 117 Resp: 12663

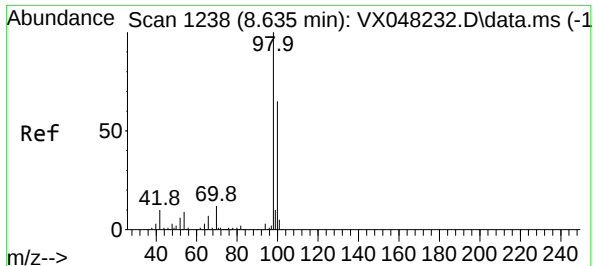
Ion Ratio Lower Upper

117 100

119 6.5 77.2 115.8#

121 0.0 24.8 37.2#

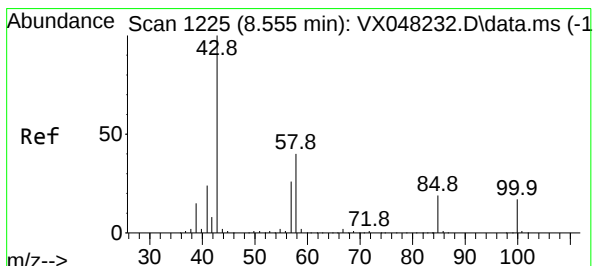
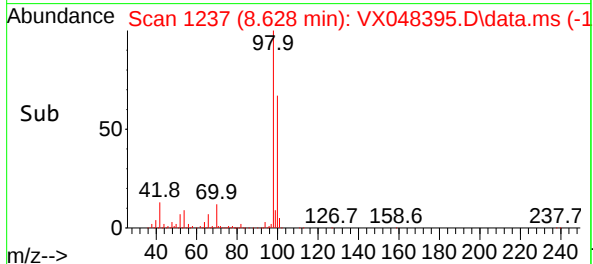
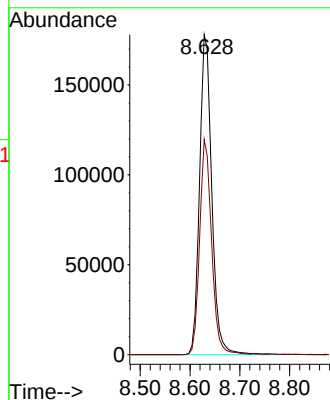
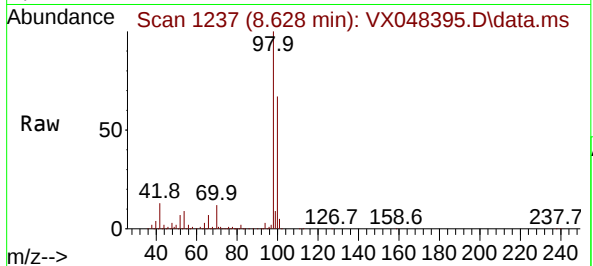




#50
Toluene-d8
Concen: 51.233 ug/l
RT: 8.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

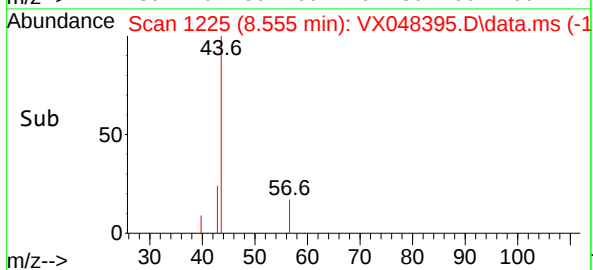
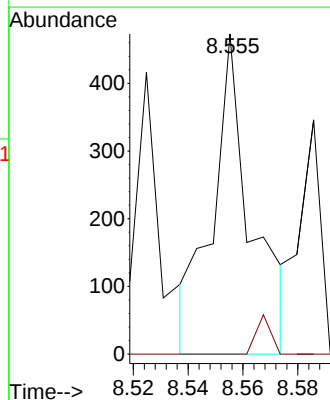
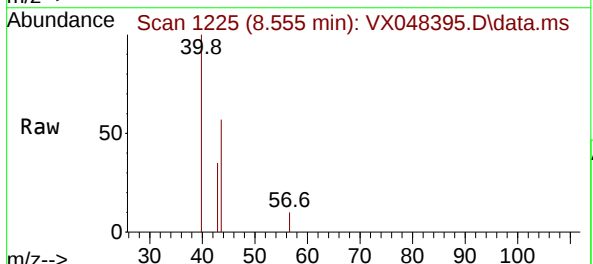
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

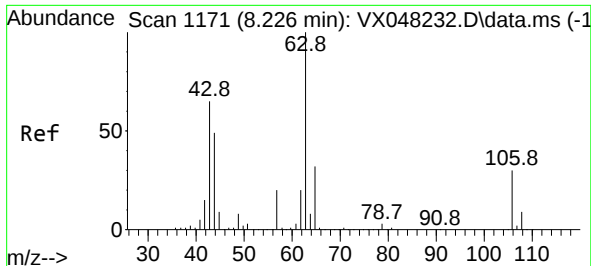
Tgt Ion: 98 Resp: 303064
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.245 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#

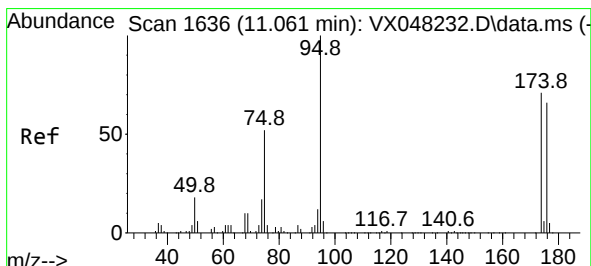
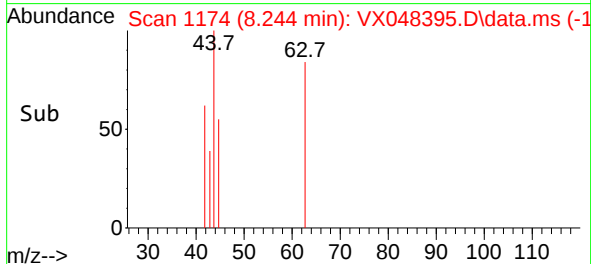
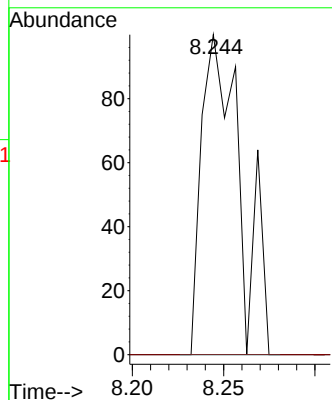
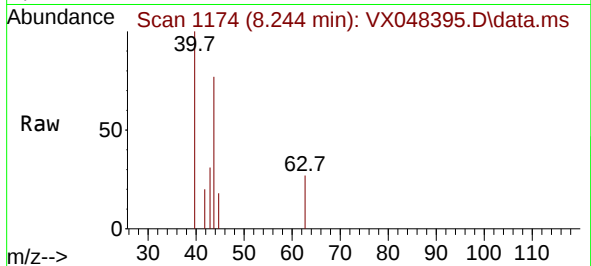




#58
2-Chloroethyl Vinyl ether
Concen: 1.810 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.018 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

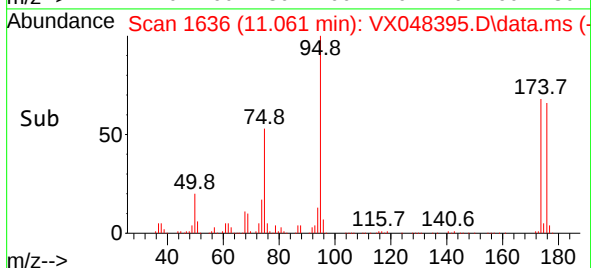
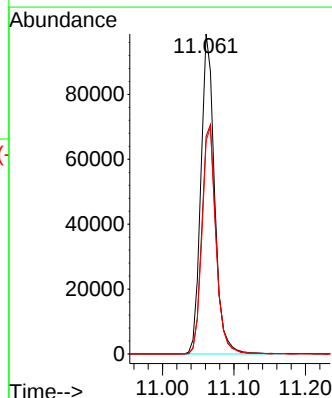
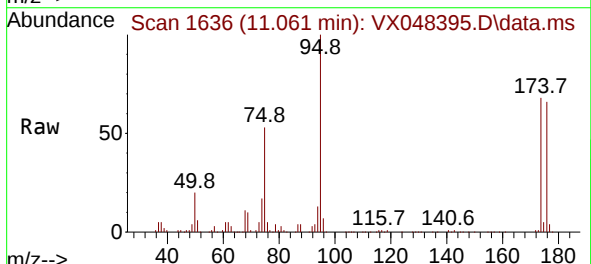
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

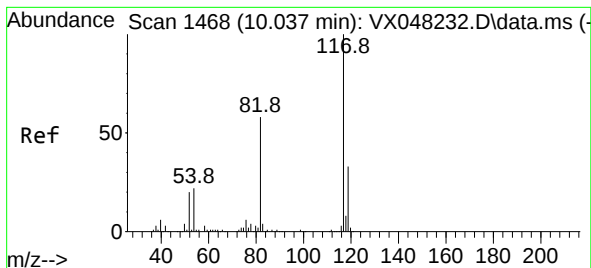
Tgt Ion: 63 Resp: 147
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 58.257 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Tgt Ion: 95 Resp: 131103
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.8
176 72.2 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048395.D

Acq: 28 Oct 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

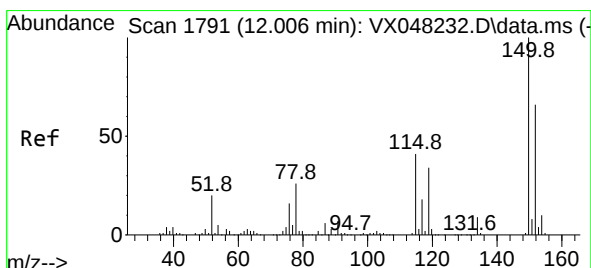
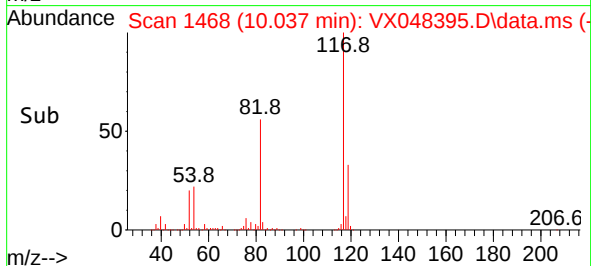
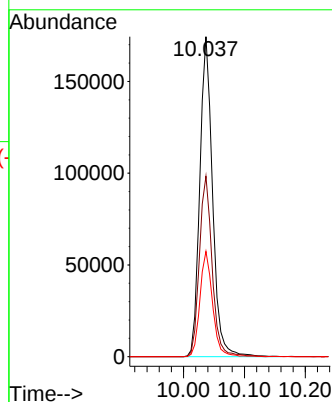
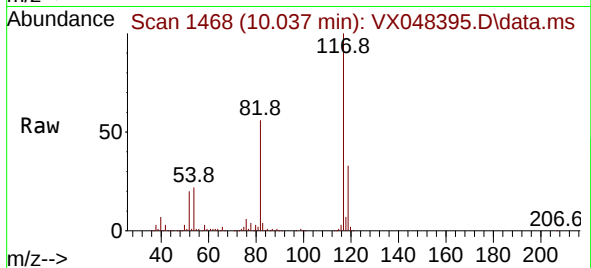
Tgt Ion:117 Resp: 254252

Ion Ratio Lower Upper

117 100

82 56.4 46.5 69.7

119 32.9 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048395.D

Acq: 28 Oct 2025 13:48

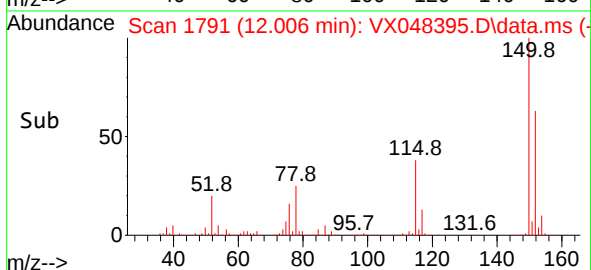
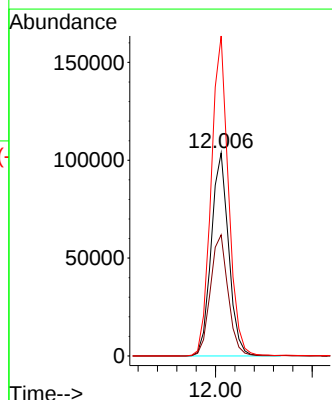
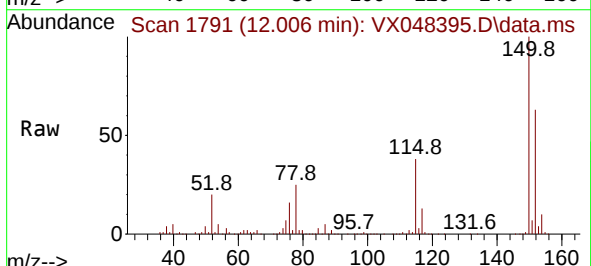
Tgt Ion:152 Resp: 129949

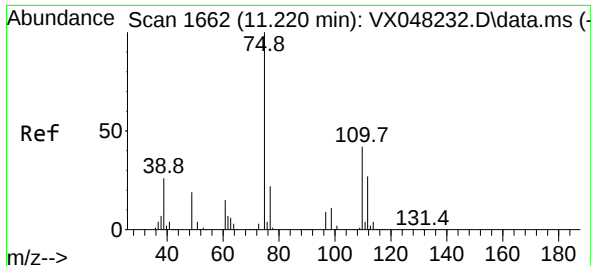
Ion Ratio Lower Upper

152 100

115 60.8 43.1 129.4

150 156.4 0.0 353.0

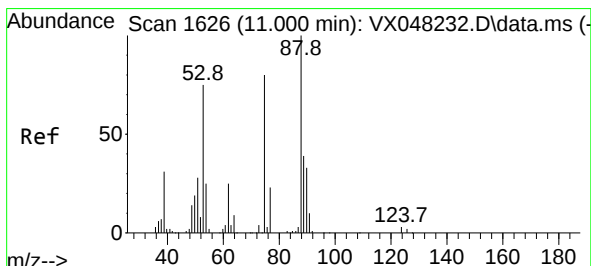
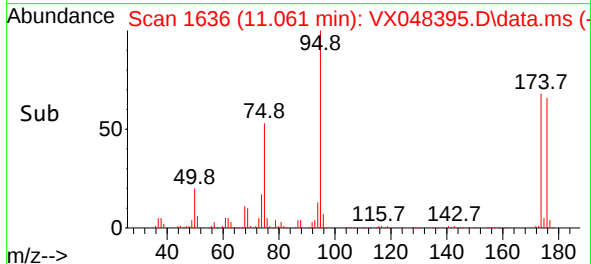
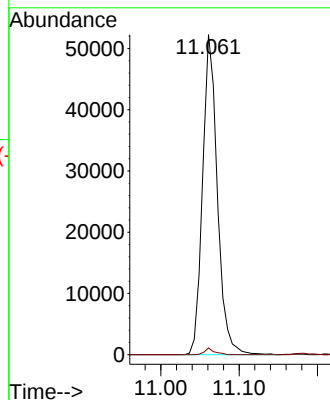
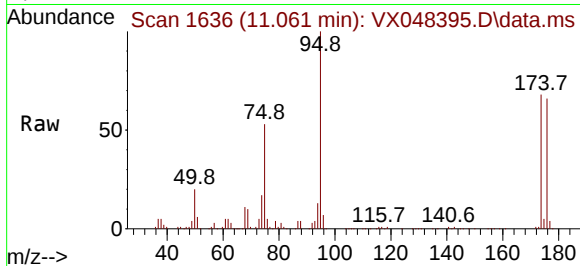




#76
1,2,3-Trichloropropane
Concen: 32.463 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

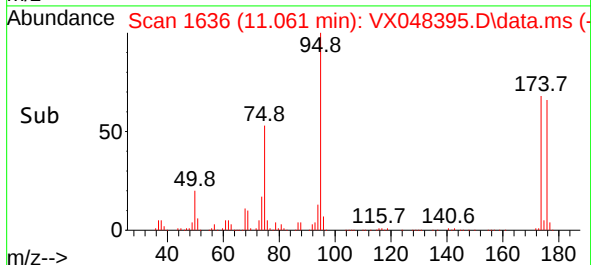
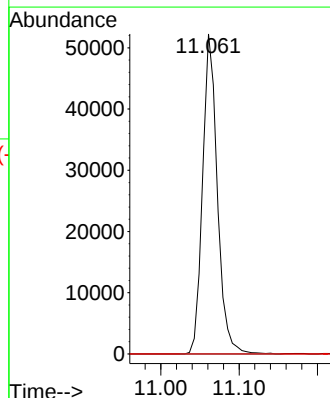
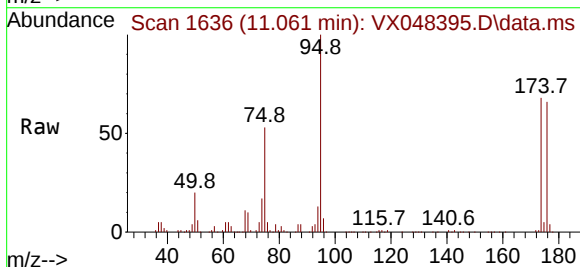
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

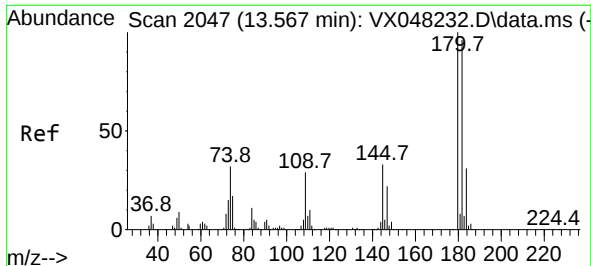
Tgt Ion: 75 Resp: 68410
Ion Ratio Lower Upper
75 100
77 1.4 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.980 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Tgt Ion: 75 Resp: 68410
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

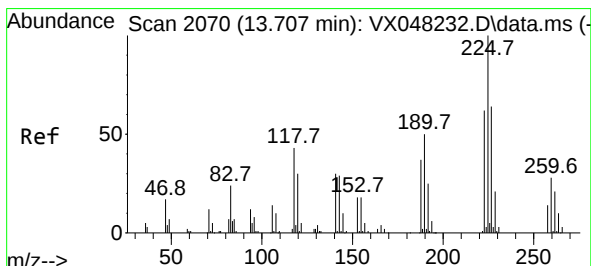
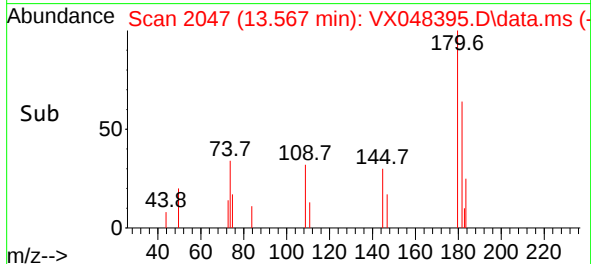
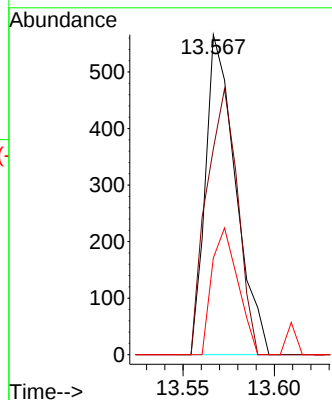
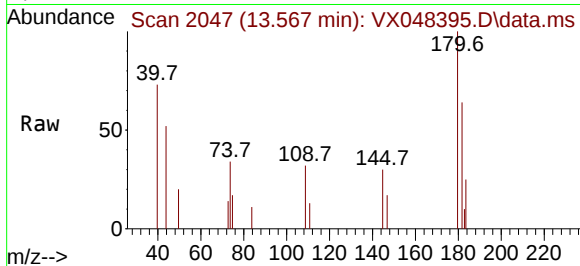




#93
1,2,4-Trichlorobenzene
Concen: 0.228 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

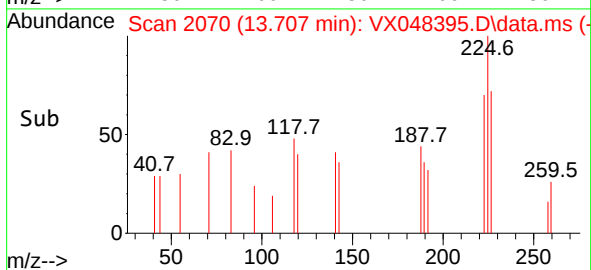
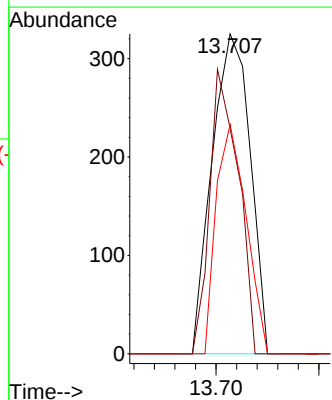
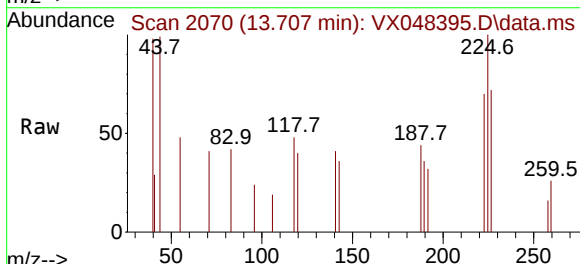
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

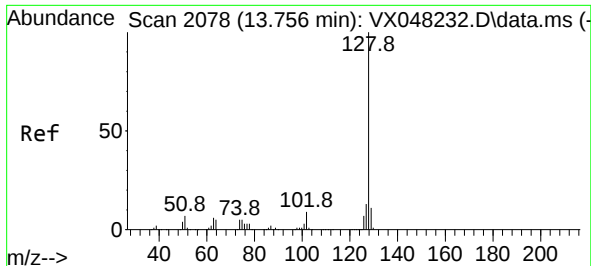
Tgt Ion:180 Resp: 649
Ion Ratio Lower Upper
180 100
182 85.2 47.3 142.0
145 34.2 16.3 48.9



#94
Hexachlorobutadiene
Concen: 0.460 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Tgt Ion:225 Resp: 420
Ion Ratio Lower Upper
225 100
223 66.4 32.6 97.7
227 56.4 32.5 97.4

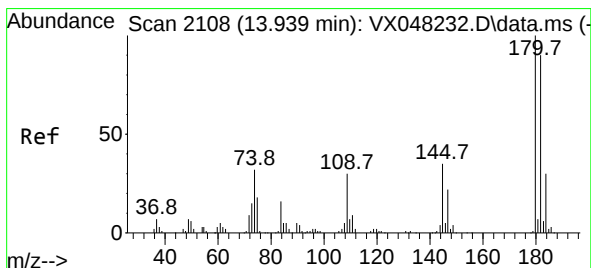
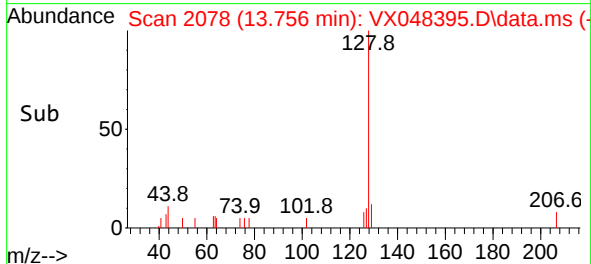
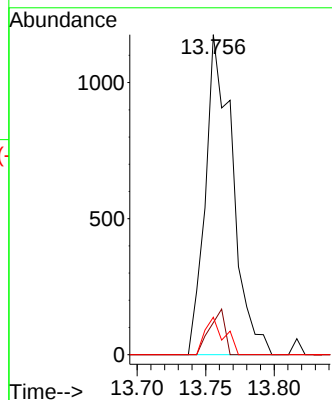
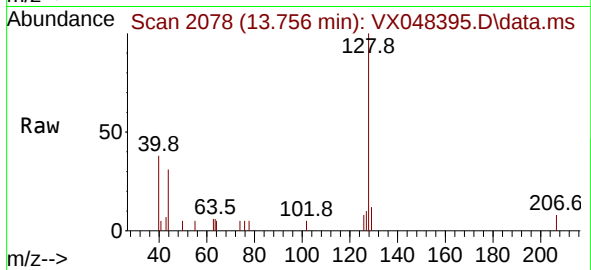




#95
Naphthalene
Concen: 0.215 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
COMP-1

Tgt Ion:128 Resp: 1625
Ion Ratio Lower Upper
128 100
127 8.0 10.2 15.4#
129 8.3 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.258 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048395.D
Acq: 28 Oct 2025 13:48

Tgt Ion:180 Resp: 675
Ion Ratio Lower Upper
180 100
182 95.6 46.6 139.7
145 34.5 16.9 50.7

