

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103125\
 Data File : VX048422.D
 Acq On : 31 Oct 2025 11:41
 Operator : JC/MD
 Sample : Q3500-02 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 462

Quant Time: Oct 31 23:02:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

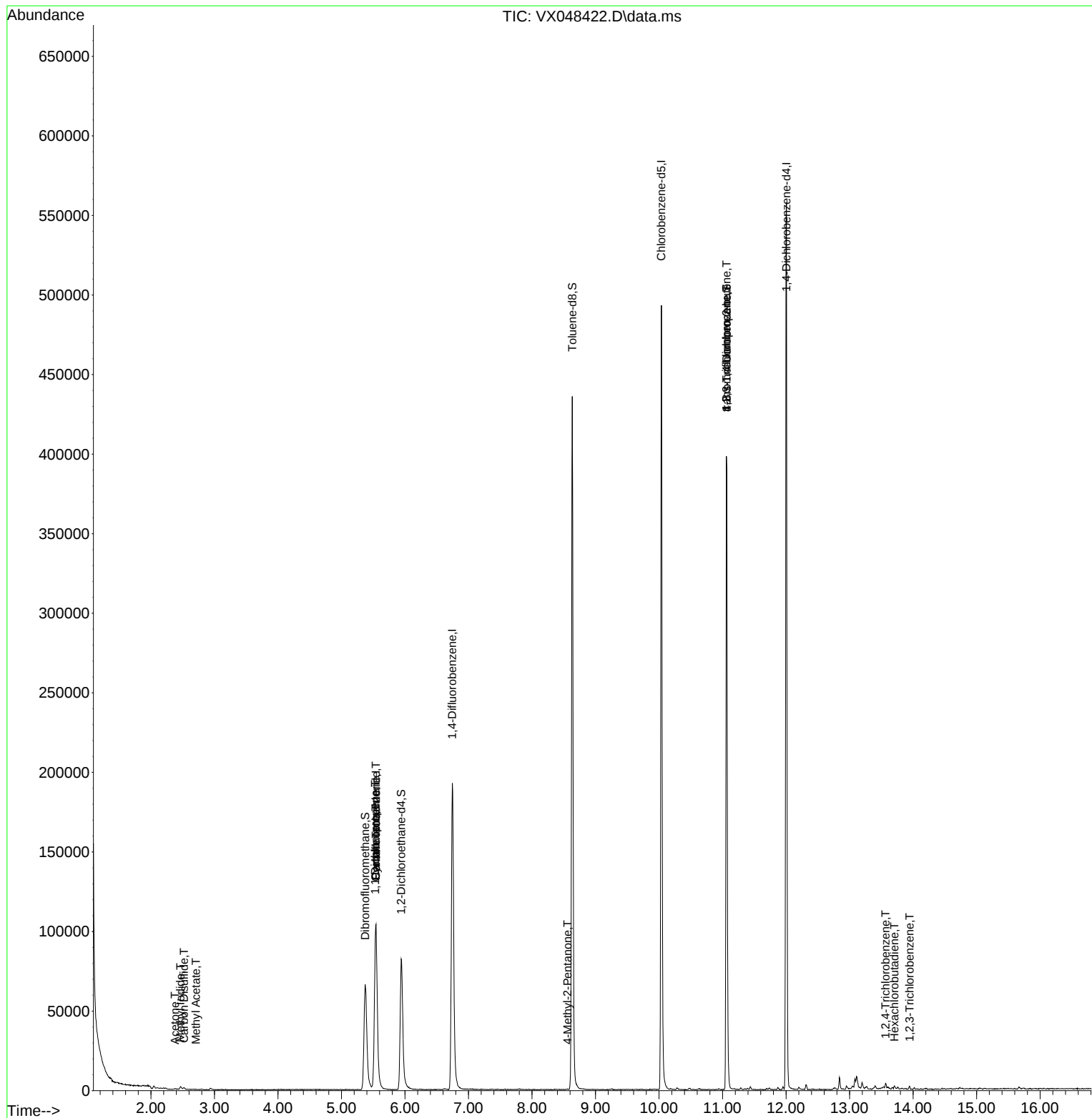
Internal Standards						
1) Pentafluorobenzene	5.544	168	108541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	217291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	234084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	91786	58.800	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.600%#			
35) Dibromofluoromethane	5.373	113	67116	54.176	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.360%			
50) Toluene-d8	8.634	98	275145	50.313	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.620%			
62) 4-Bromofluorobenzene	11.061	95	119135	58.237	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.480%			
Target Compounds						Qvalue
10) Methyl Iodide	2.465	142	2765	0.553	ug/l #	95
16) Acetone	2.380	43	1091	3.084	ug/l #	87
17) Carbon Disulfide	2.520	76	1015	0.280	ug/l #	90
18) Methyl Acetate	2.709	43	254	0.215	ug/l #	54
31) Cyclohexane	5.537	56	2187	1.014	ug/l #	1
36) 1,1-Dichloropropene	5.531	75	8868	4.263	ug/l #	44
38) Carbon Tetrachloride	5.544	117	11077	4.611	ug/l #	17
51) 4-Methyl-2-Pentanone	8.561	43	386	0.237	ug/l #	38
76) 1,2,3-Trichloropropane	11.061	75	61903	35.058	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	61903	121.324	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.567	180	761	0.278	ug/l	95
94) Hexachlorobutadiene	13.707	225	272	0.237	ug/l	89
96) 1,2,3-Trichlorobenzene	13.945	180	524	0.211	ug/l	100

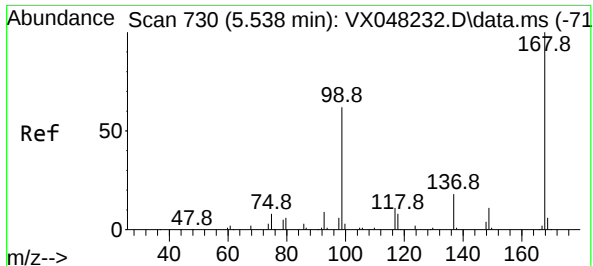
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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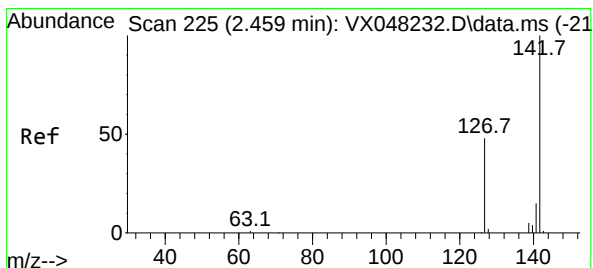
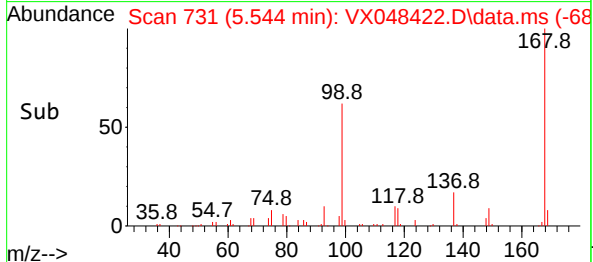
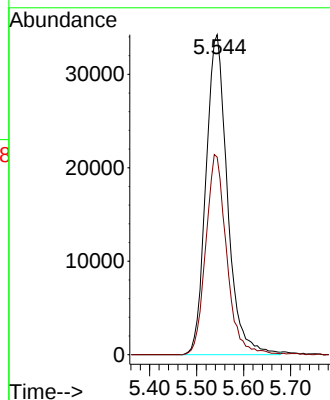
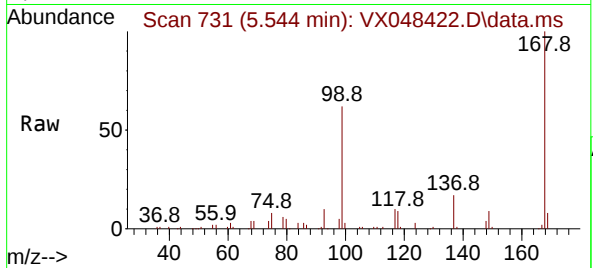




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

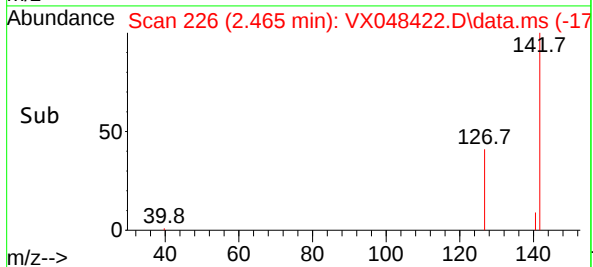
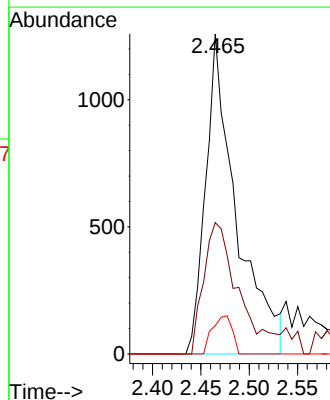
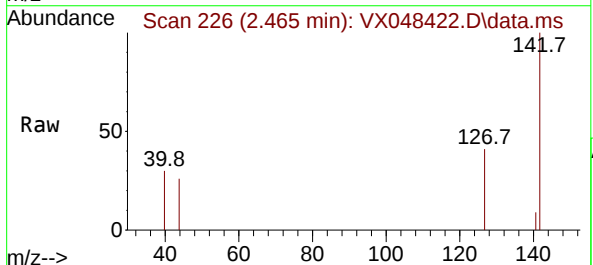
Instrument :
MSVOA_X
ClientSampleId :
462

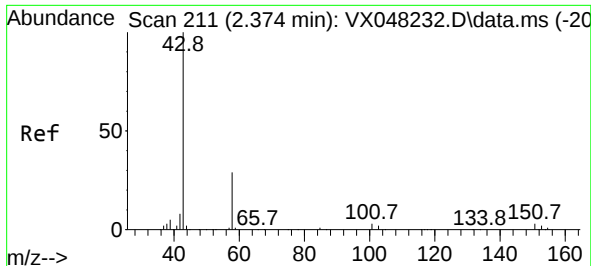
Tgt Ion:168 Resp: 108541
Ion Ratio Lower Upper
168 100
99 61.8 46.4 69.6



#10
Methyl Iodide
Concen: 0.553 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

Tgt Ion:142 Resp: 2765
Ion Ratio Lower Upper
142 100
127 47.3 38.5 57.7
141 7.7 11.6 17.4#

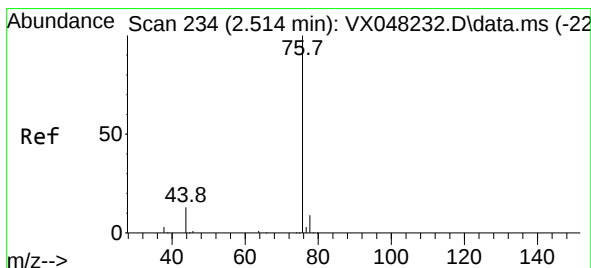
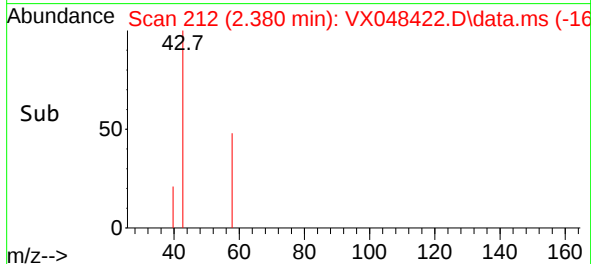
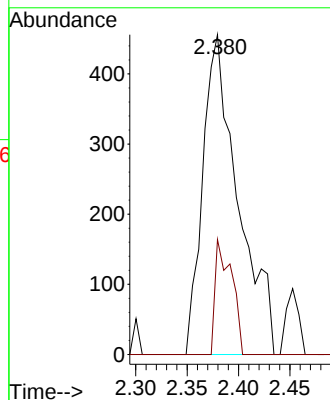
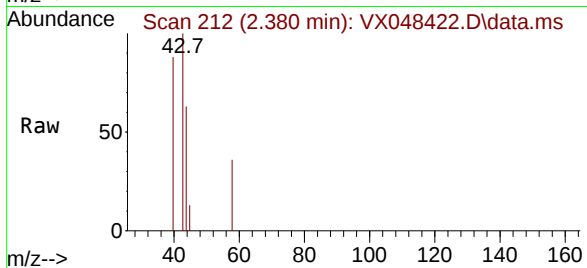




#16
Acetone
Concen: 3.084 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

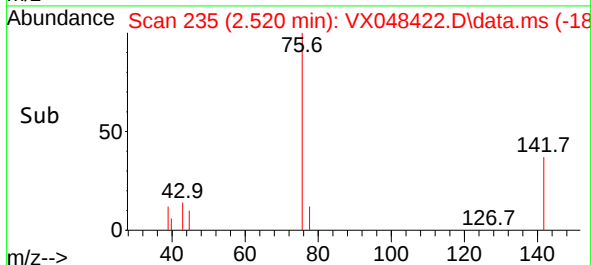
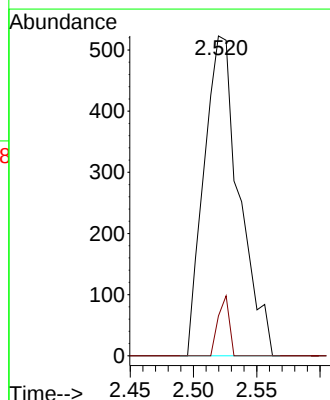
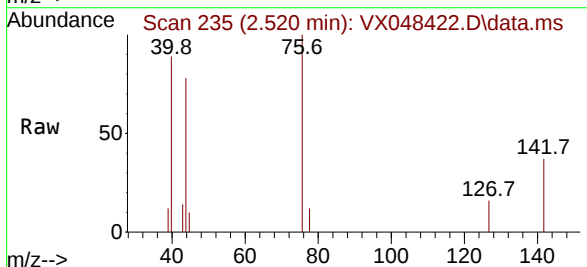
Instrument :
MSVOA_X
ClientSampleId :
462

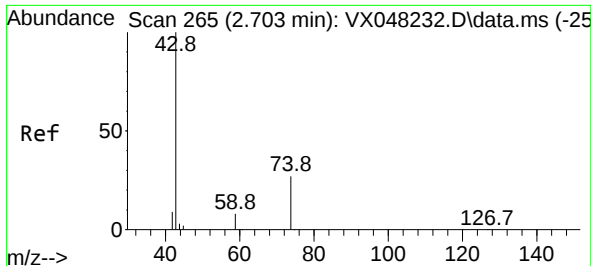
Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 22.1 23.4 35.2#



#17
Carbon Disulfide
Concen: 0.280 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

Tgt Ion: 76 Resp: 1015
Ion Ratio Lower Upper
76 100
78 12.4 7.1 10.7#

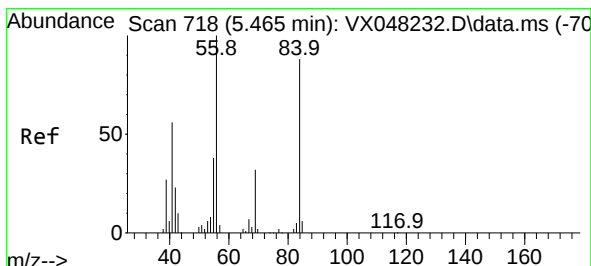
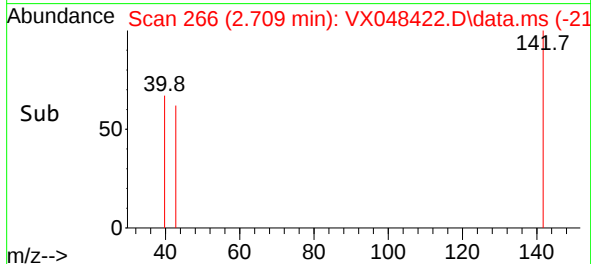
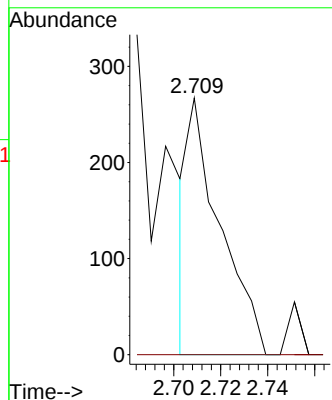
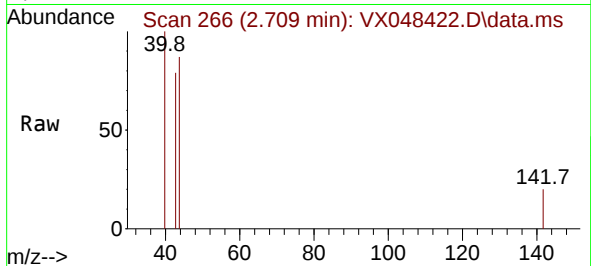




#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

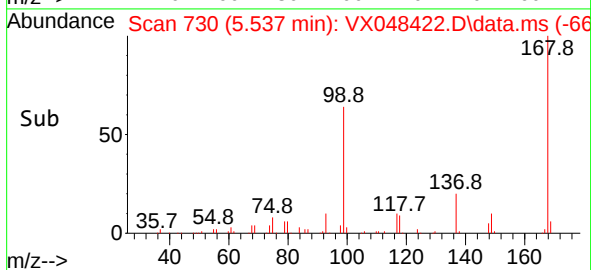
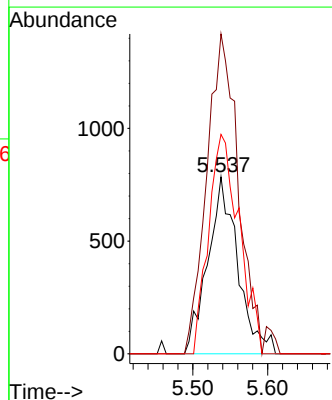
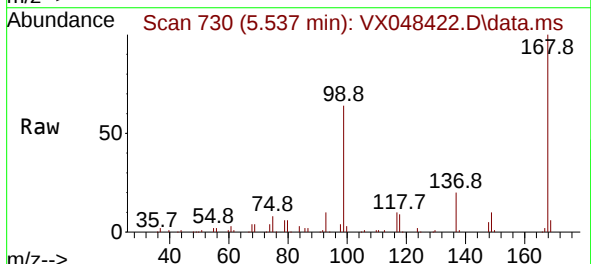
Instrument :
MSVOA_X
ClientSampleId :
462

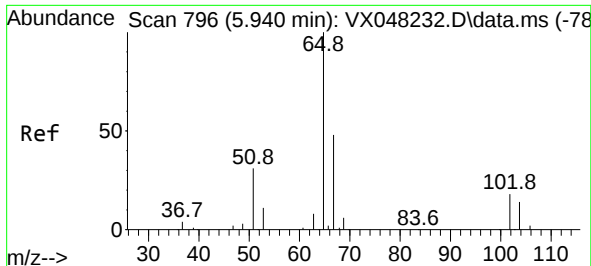
Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#31
Cyclohexane
Concen: 1.014 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

Tgt Ion: 56 Resp: 2187
Ion Ratio Lower Upper
56 100
69 180.8 23.0 34.6#
84 123.9 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 58.800 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048422.D

Acq: 31 Oct 2025 11:41

Instrument :

MSVOA_X

ClientSampleId :

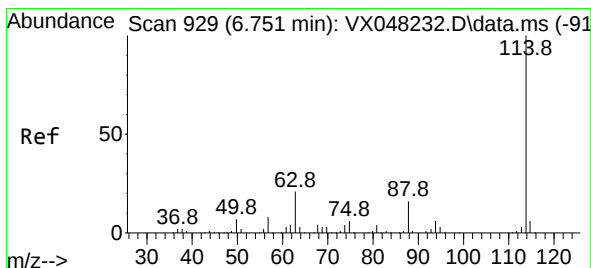
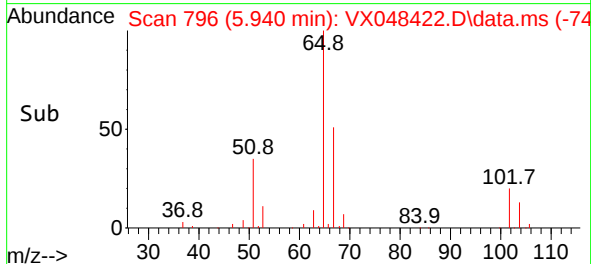
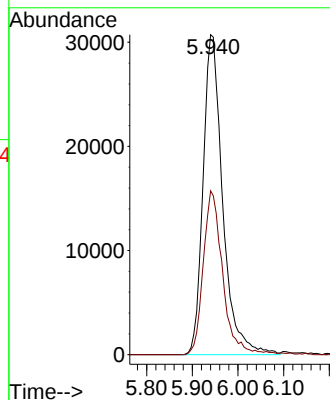
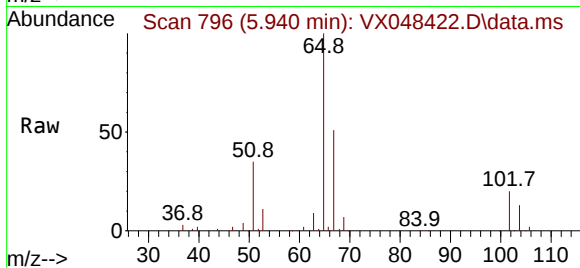
462

Tgt Ion: 65 Resp: 91786

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048422.D

Acq: 31 Oct 2025 11:41

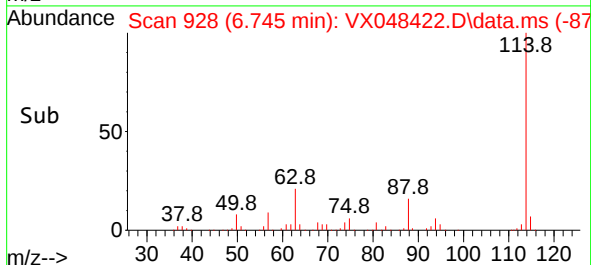
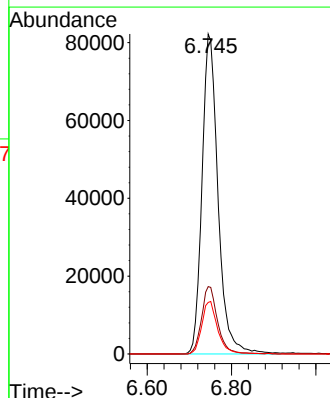
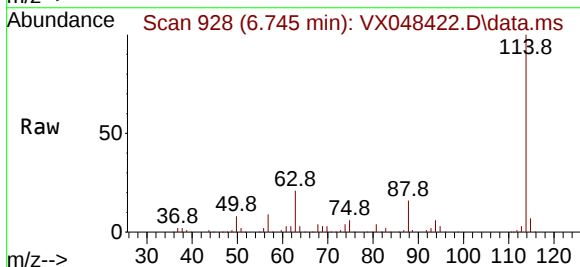
Tgt Ion: 114 Resp: 217291

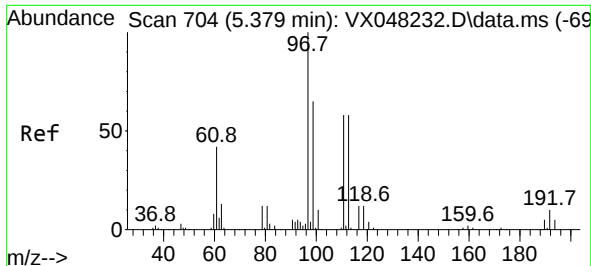
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 16.1 0.0 33.6

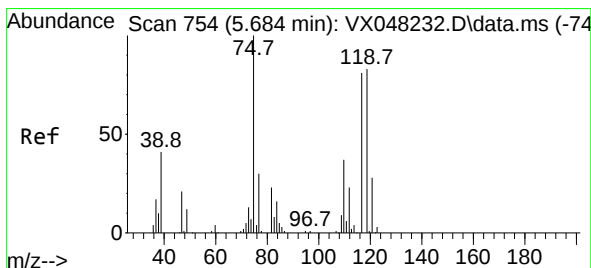
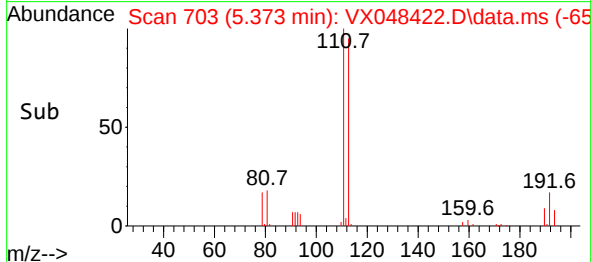
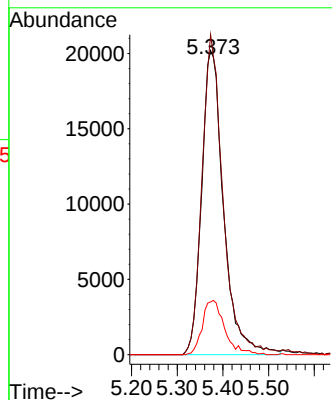
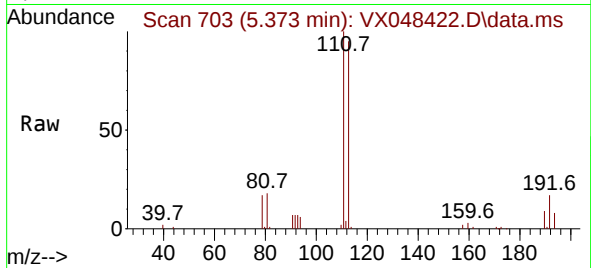




#35
Dibromofluoromethane
Concen: 54.176 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

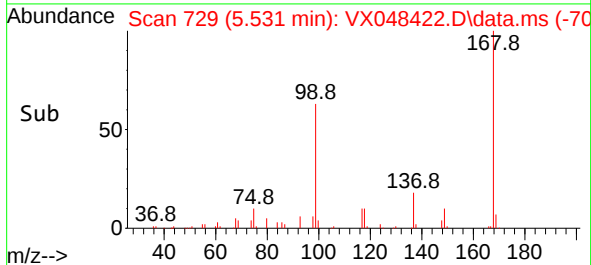
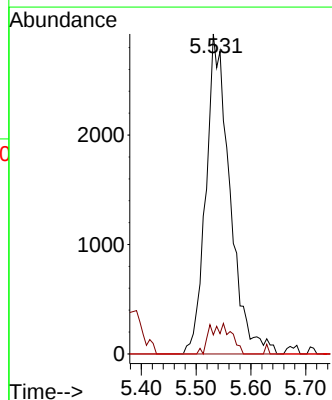
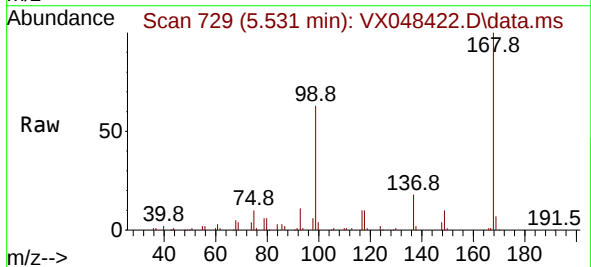
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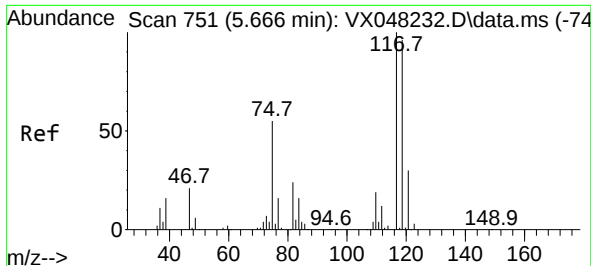
Tgt Ion:113 Resp: 67116
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 18.2 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.263 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.152 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

Tgt Ion: 75 Resp: 8868
Ion Ratio Lower Upper
75 100
110 2.6 17.7 53.1#
77 0.0 24.3 36.5#

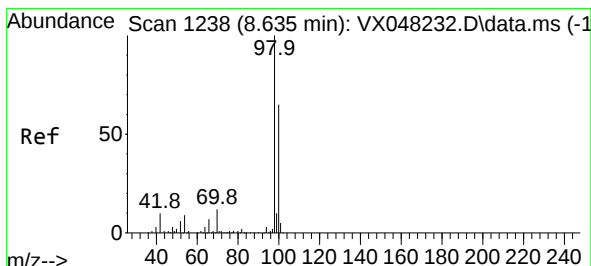
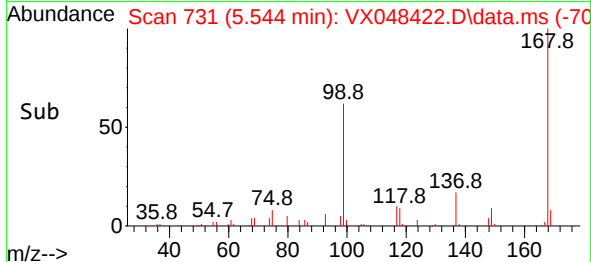
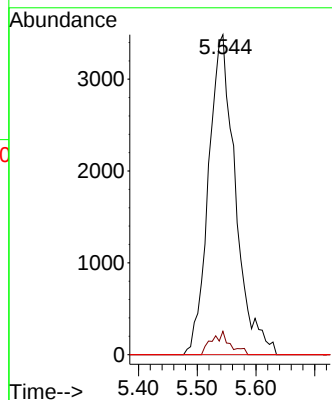
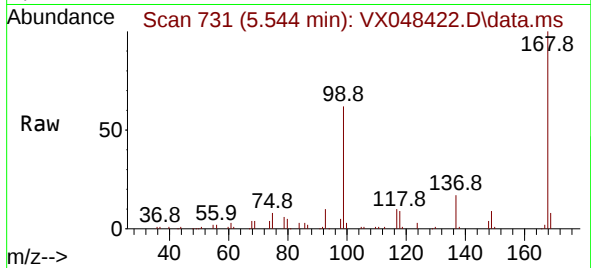




#38
Carbon Tetrachloride
Concen: 4.611 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

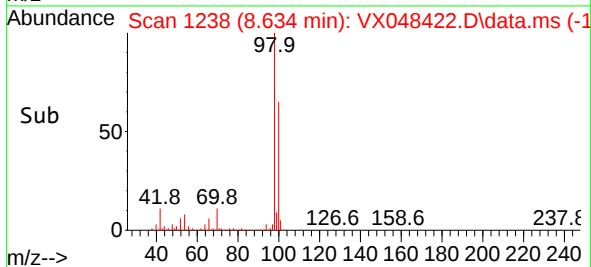
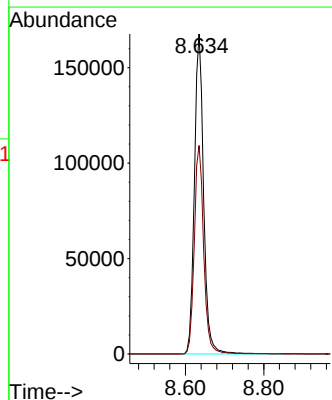
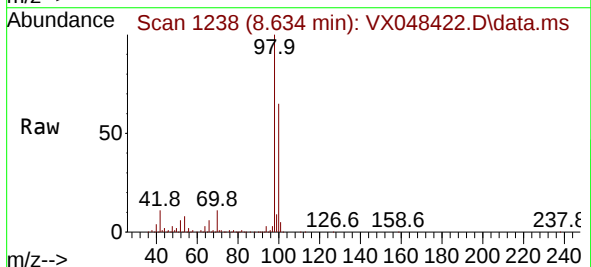
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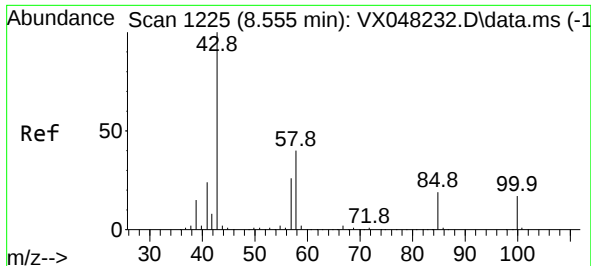
Tgt Ion:117 Resp: 11077
Ion Ratio Lower Upper
117 100
119 7.3 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.313 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

Tgt Ion: 98 Resp: 275145
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 0.237 ug/l

RT: 8.561 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX048422.D

Acq: 31 Oct 2025 11:41

Instrument :

MSVOA_X

ClientSampleId :

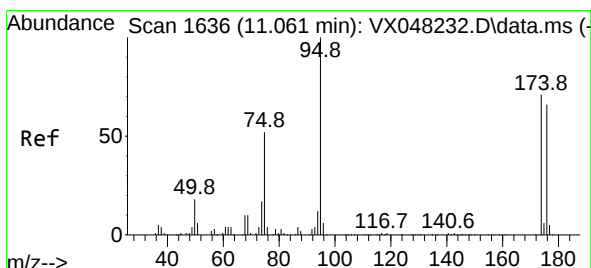
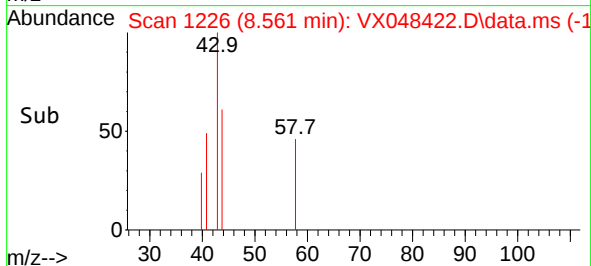
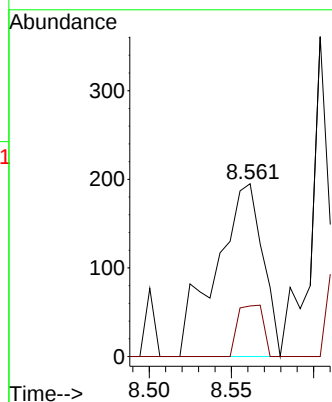
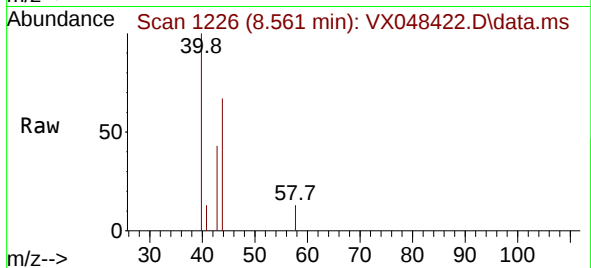
462

Tgt Ion: 43 Resp: 386

Ion Ratio Lower Upper

43 100

58 0.0 29.5 44.3#



#62

4-Bromofluorobenzene

Concen: 58.237 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048422.D

Acq: 31 Oct 2025 11:41

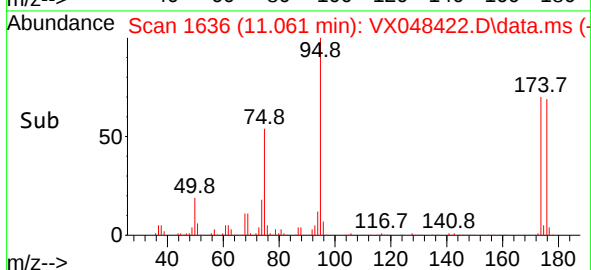
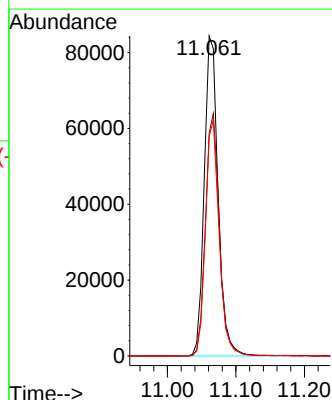
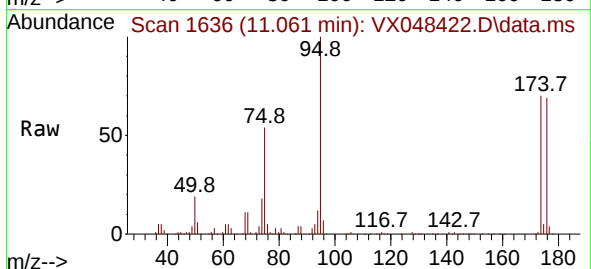
Tgt Ion: 95 Resp: 119135

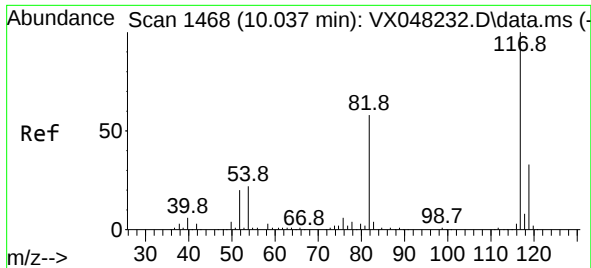
Ion Ratio Lower Upper

95 100

174 76.3 0.0 147.8

176 72.9 0.0 142.8

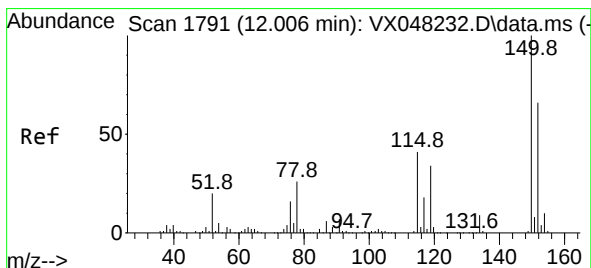
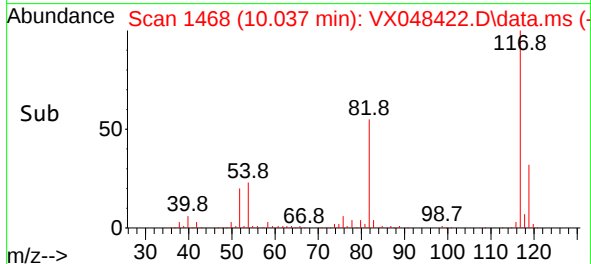
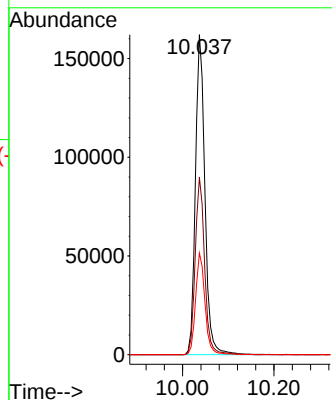
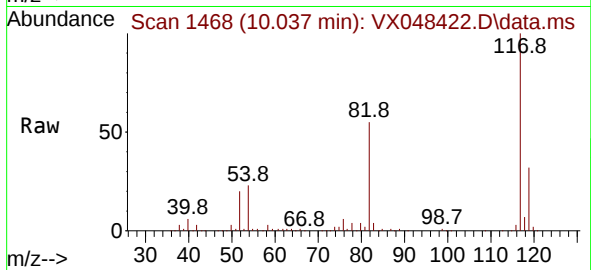




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1462
Delta R.T. -0.000 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

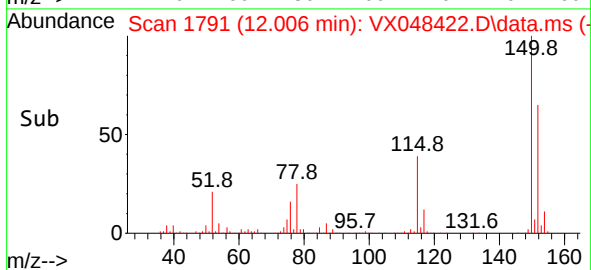
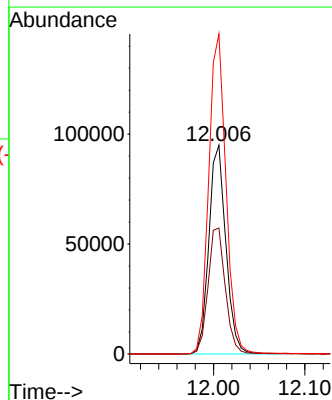
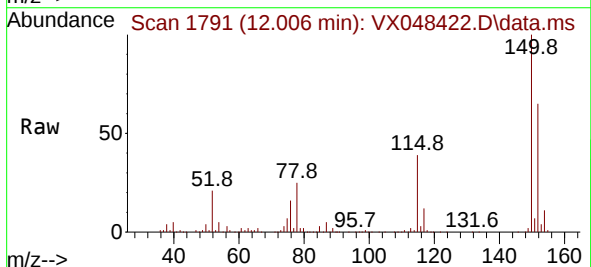
Instrument :
MSVOA_X
ClientSampleId :
462

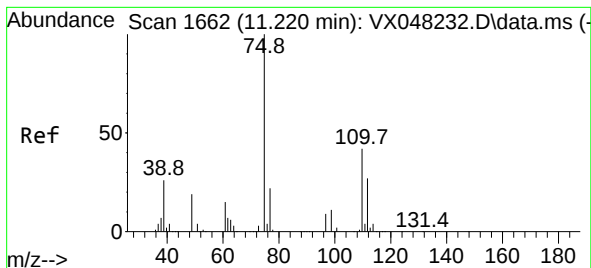
Tgt Ion:117 Resp: 234084
Ion Ratio Lower Upper
117 100
82 55.4 46.5 69.7
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

Tgt Ion:152 Resp: 122778
Ion Ratio Lower Upper
152 100
115 61.7 43.1 129.4
150 155.6 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 35.058 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048422.D

Acq: 31 Oct 2025 11:41

Instrument :

MSVOA_X

ClientSampleId :

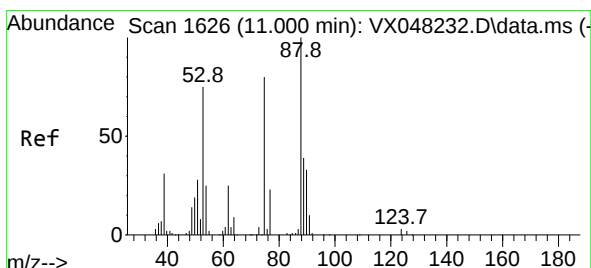
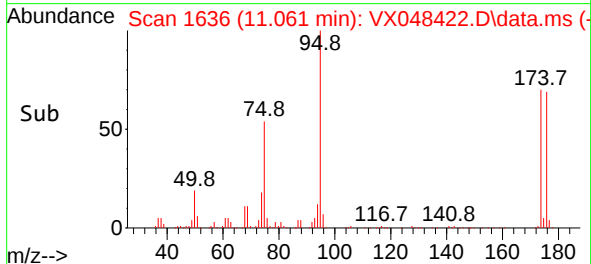
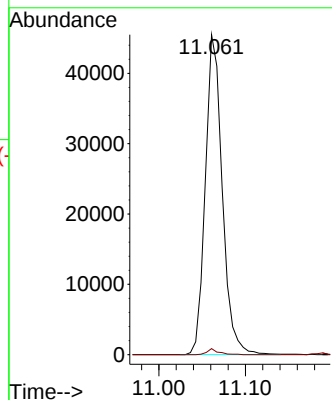
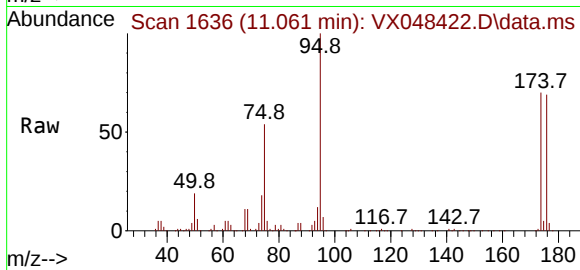
462

Tgt Ion: 75 Resp: 61903

Ion Ratio Lower Upper

75 100

77 1.3 22.4 67.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.324 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048422.D

Acq: 31 Oct 2025 11:41

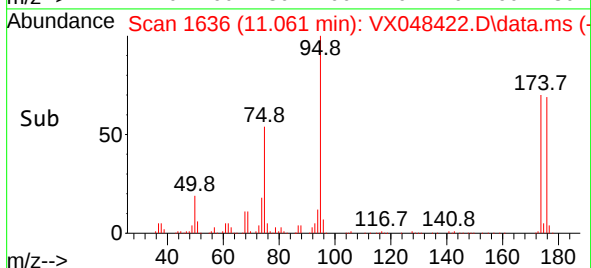
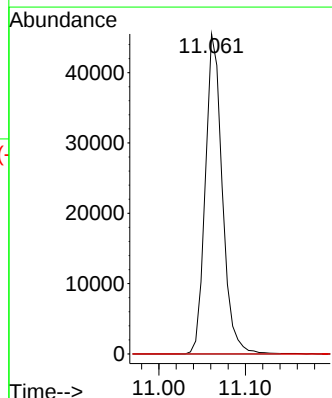
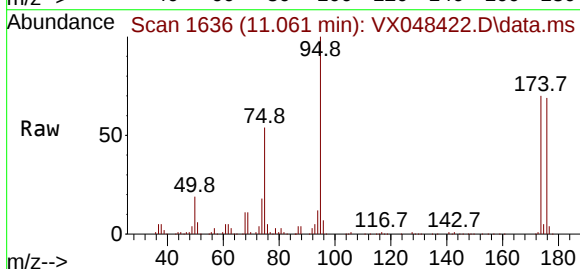
Tgt Ion: 75 Resp: 61903

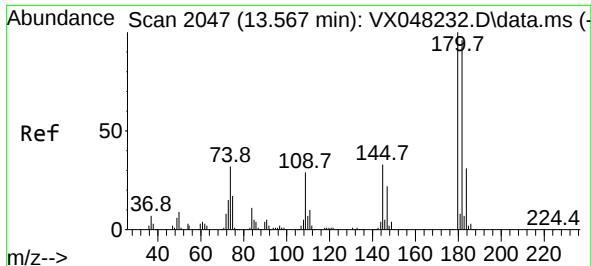
Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

89 0.0 36.8 55.2#

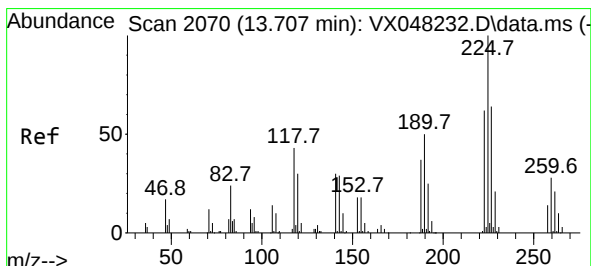
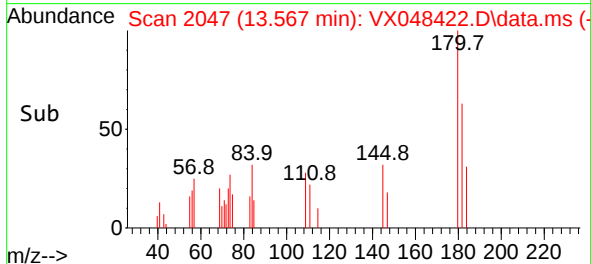
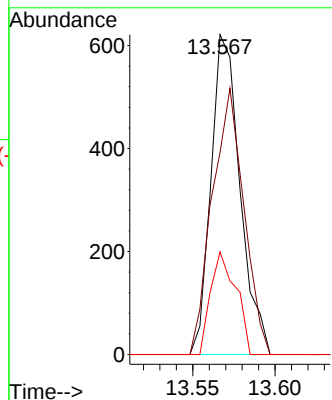
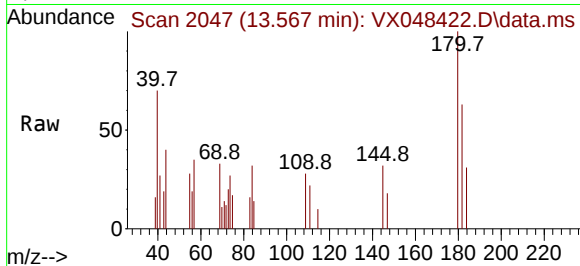




#93
1,2,4-Trichlorobenzene
Concen: 0.278 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

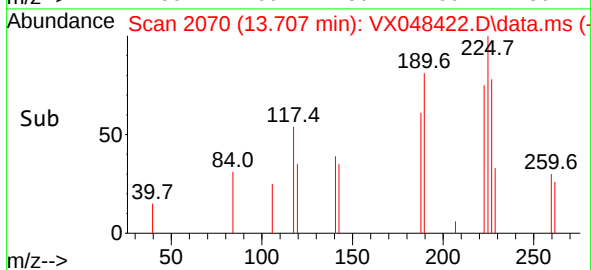
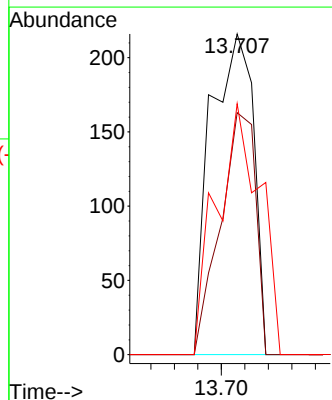
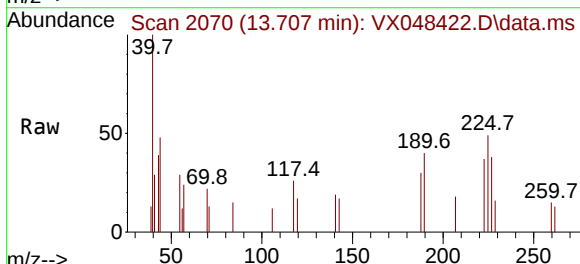
Instrument :
MSVOA_X
ClientSampleId :
462

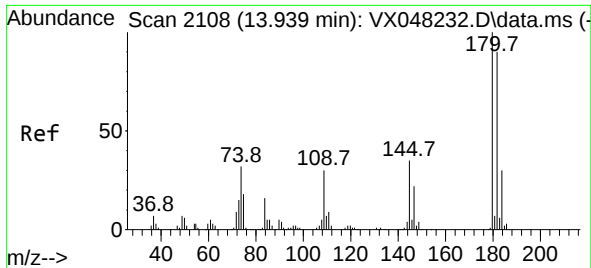
Tgt Ion:180 Resp: 761
Ion Ratio Lower Upper
180 100
182 90.5 47.3 142.0
145 28.0 16.3 48.9



#94
Hexachlorobutadiene
Concen: 0.237 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048422.D
Acq: 31 Oct 2025 11:41

Tgt Ion:225 Resp: 272
Ion Ratio Lower Upper
225 100
223 62.5 32.6 97.7
227 79.8 32.5 97.4





#96

1,2,3-Trichlorobenzene

Concen: 0.211 ug/l

RT: 13.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX048422.D

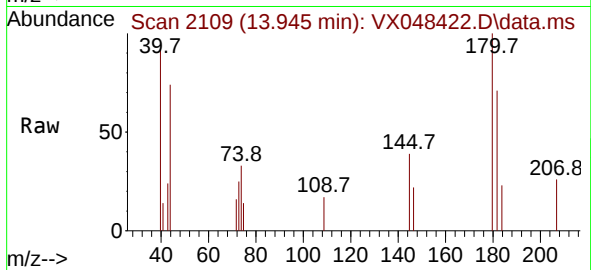
Acq: 31 Oct 2025 11:41

Instrument :

MSVOA_X

ClientSampleId :

462



Tgt Ion:180 Resp: 524

Ion Ratio Lower Upper

180 100

182 93.1 46.6 139.7

145 33.8 16.9 50.7

