

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
 Data File : VX048747.D
 Acq On : 08 Dec 2025 12:33
 Operator : JC/MD
 Sample : Q3757-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14B-46-120325RE

Quant Time: Dec 09 04:08:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

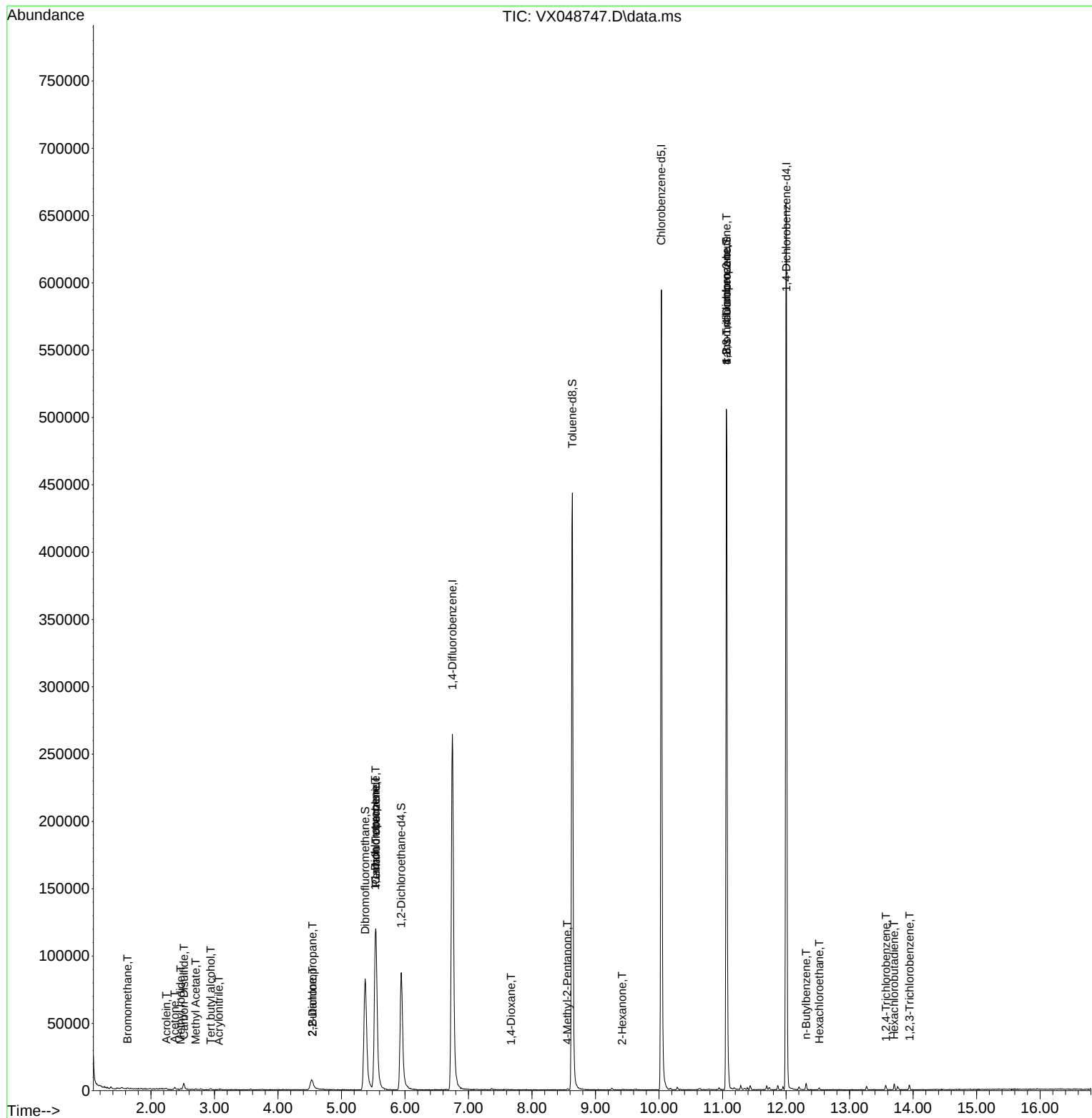
Internal Standards						
1) Pentafluorobenzene	5.544	168	124903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	299763	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	268328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	96803	57.744	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.480%
35) Dibromofluoromethane	5.373	113	79281	38.412	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	76.820%
50) Toluene-d8	8.635	98	278126	38.442	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	76.880%#
62) 4-Bromofluorobenzene	11.061	95	141911	56.882	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.760%
Target Compounds						
						Qvalue
5) Bromomethane	1.630	94	410	0.388	ug/l #	79
10) Methyl Iodide	2.465	142	992	0.490	ug/l #	89
11) Tert butyl alcohol	2.940	59	355	1.312	ug/l #	73
13) Acrolein	2.239	56	275	41.061	ug/l #	64
15) Acrylonitrile	3.068	53	504	0.598	ug/l #	61
16) Acetone	2.373	43	2472	3.852	ug/l #	72
17) Carbon Disulfide	2.520	76	1282	0.304	ug/l	95
18) Methyl Acetate	2.703	43	938	0.519	ug/l #	68
25) 2-Butanone	4.544	43	394	0.416	ug/l #	46
26) 2,2-Dichloropropane	4.544	77	626	0.279	ug/l #	52
36) 1,1-Dichloropropene	5.531	75	10017	3.543	ug/l #	48
38) Carbon Tetrachloride	5.538	117	13416	4.190	ug/l #	15
49) 1,4-Dioxane	7.671	88	43	1.215	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	648	0.204	ug/l #	85
59) 2-Hexanone	9.421	43	562	0.252	ug/l	67
76) 1,2,3-Trichloropropane	11.061	75	72598	27.866	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	72598	66.194	ug/l #	3
89) n-Butylbenzene	12.317	91	1984	0.254	ug/l	93
90) Hexachloroethane	12.524	117	350	0.206	ug/l	81
93) 1,2,4-Trichlorobenzene	13.573	180	1055	0.355	ug/l	93
94) Hexachlorobutadiene	13.701	225	809	0.659	ug/l	90
95) Naphthalene	13.756	128	1967	Below Cal	#	91
96) 1,2,3-Trichlorobenzene	13.945	180	1016	0.371	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

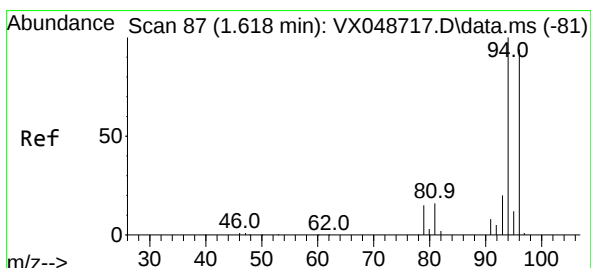
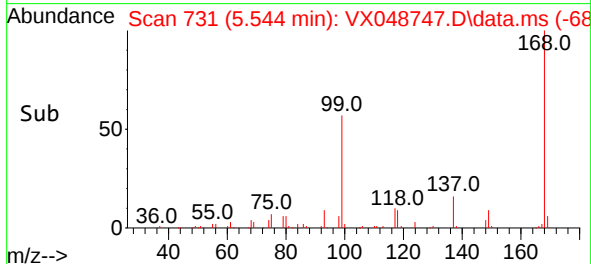
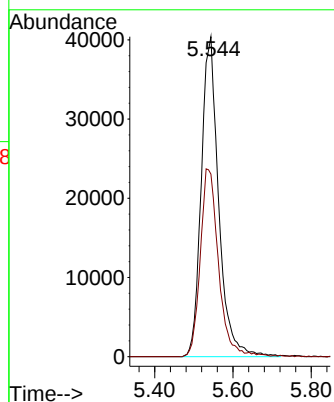
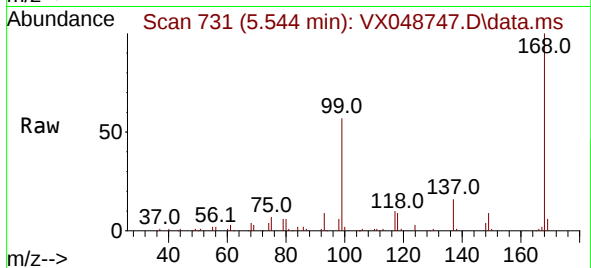




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

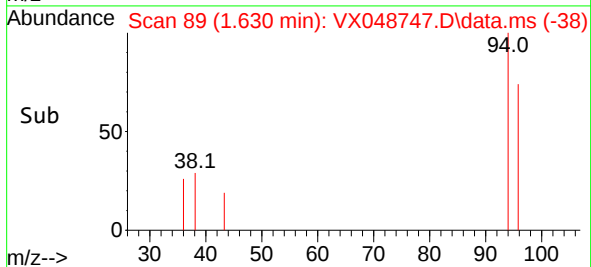
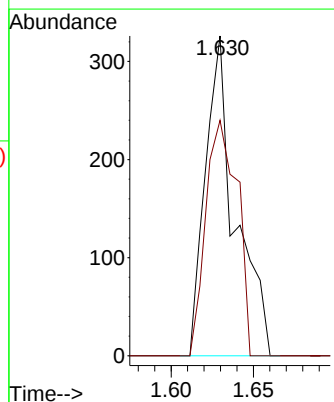
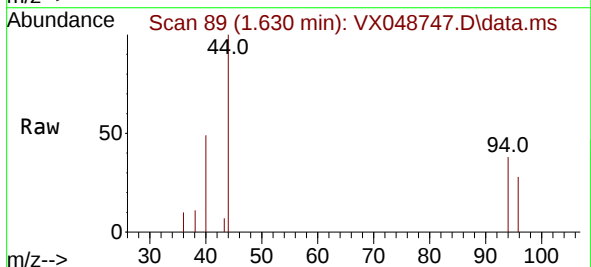
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

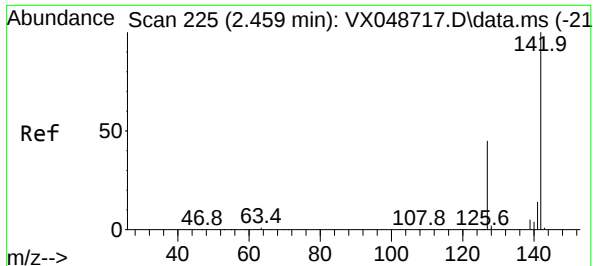
Tgt Ion:168 Resp: 124903
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



#5
Bromomethane
Concen: 0.388 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 94 Resp: 410
Ion Ratio Lower Upper
94 100
96 73.6 75.2 112.8#

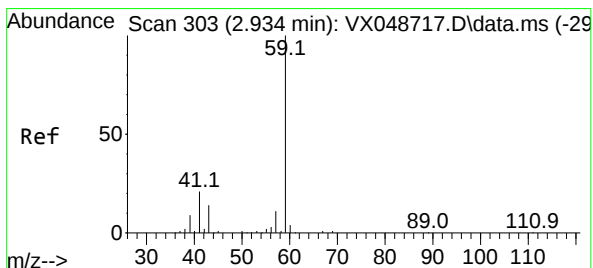
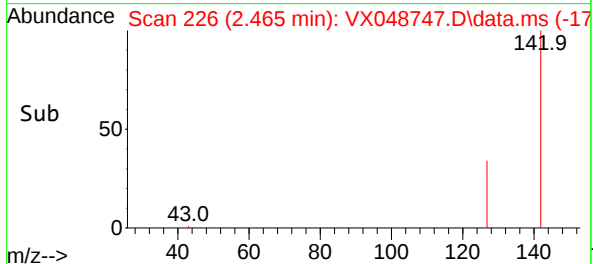
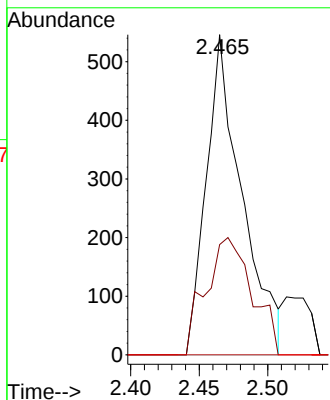
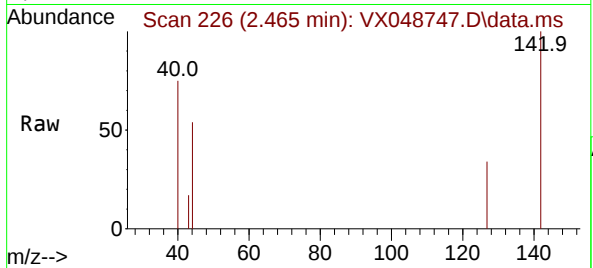




#10
Methyl Iodide
Concen: 0.490 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

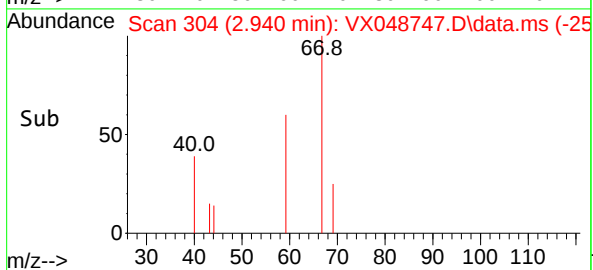
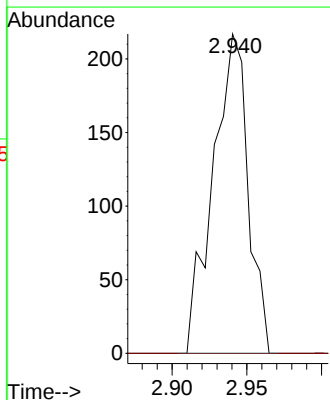
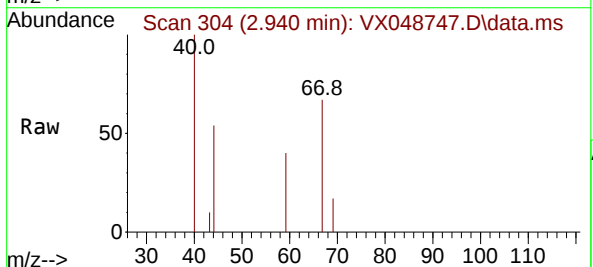
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

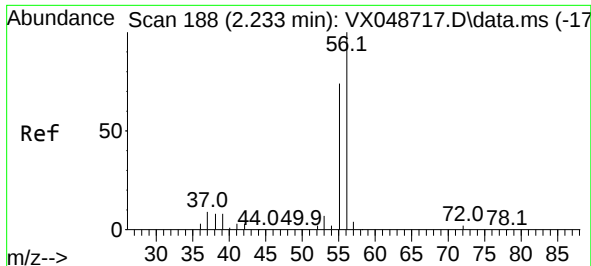
Tgt Ion:142 Resp: 992
Ion Ratio Lower Upper
142 100
127 47.5 35.8 53.6
141 0.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 1.312 ug/l
RT: 2.940 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

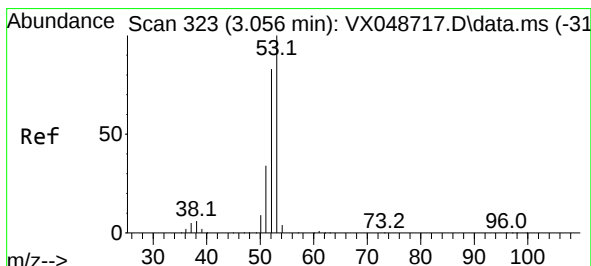
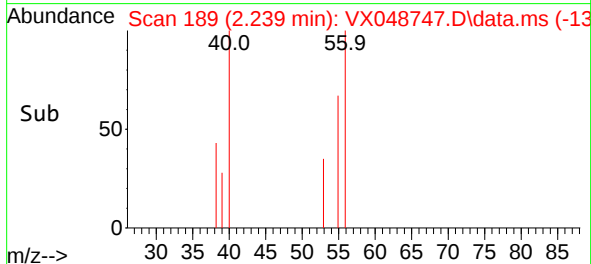
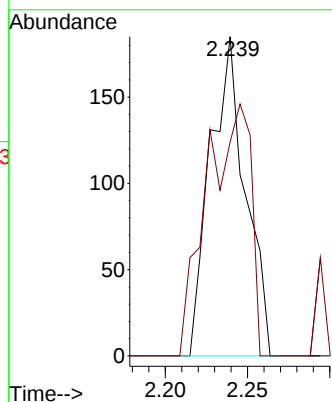
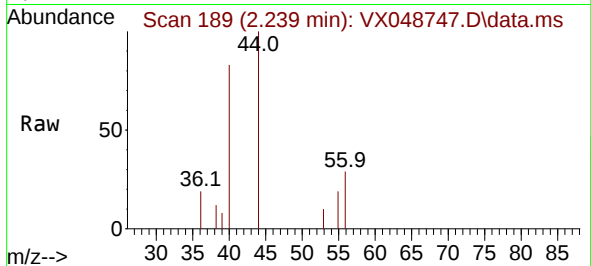




#13
Acrolein
Concen: 41.061 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

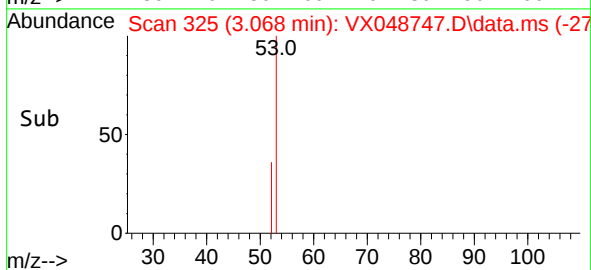
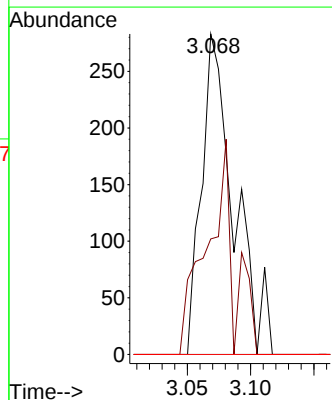
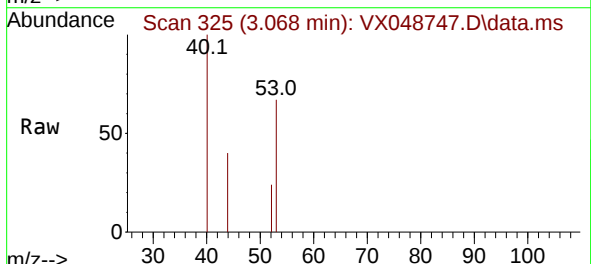
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

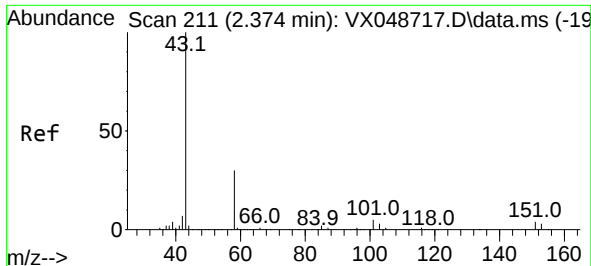
Tgt Ion: 56 Resp: 275
Ion Ratio Lower Upper
56 100
55 99.3 55.8 83.6#



#15
Acrylonitrile
Concen: 0.598 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.012 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 53 Resp: 504
Ion Ratio Lower Upper
53 100
52 56.9 66.3 99.5#
51 0.0 28.7 43.1#





#16

Acetone

Concen: 3.852 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

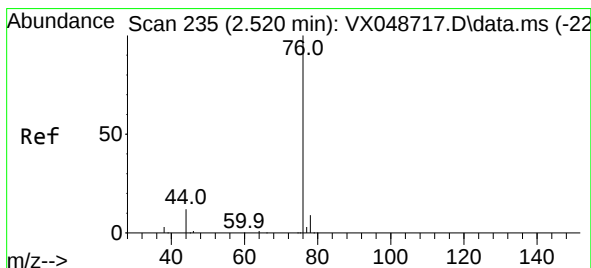
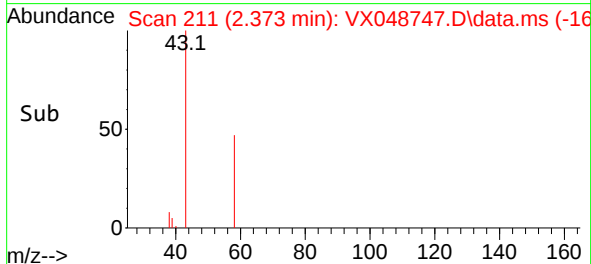
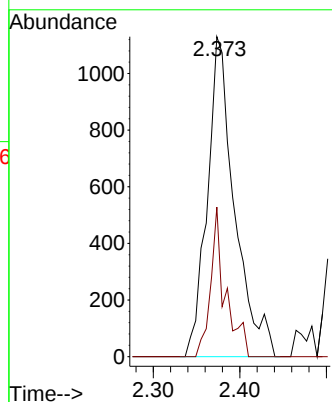
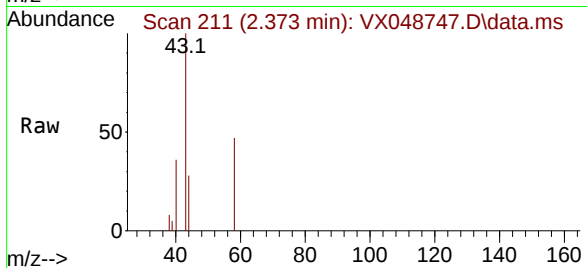
MW-14B-46-120325RE

Tgt Ion: 43 Resp: 2472

Ion Ratio Lower Upper

43 100

58 46.7 25.0 37.4#



#17

Carbon Disulfide

Concen: 0.304 ug/l

RT: 2.520 min Scan# 235

Delta R.T. -0.000 min

Lab File: VX048747.D

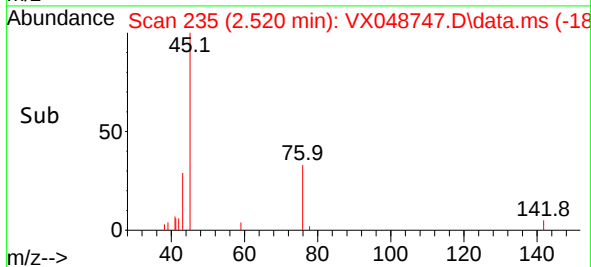
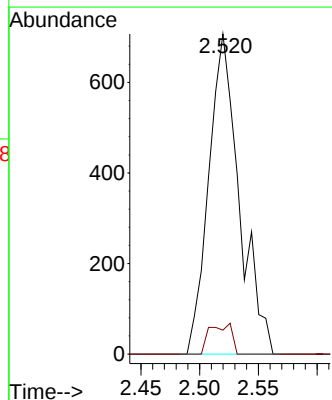
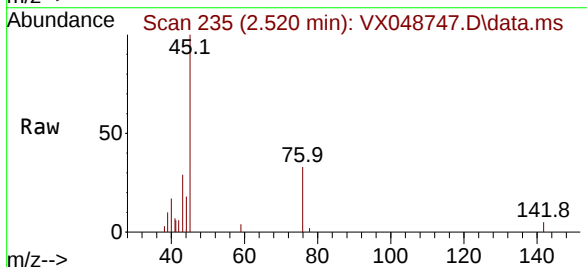
Acq: 08 Dec 2025 12:33

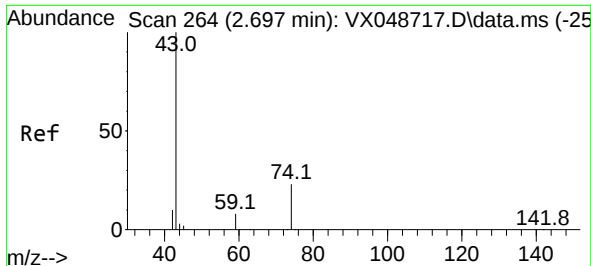
Tgt Ion: 76 Resp: 1282

Ion Ratio Lower Upper

76 100

78 7.5 7.4 11.2

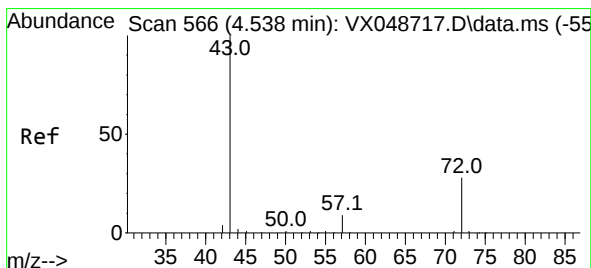
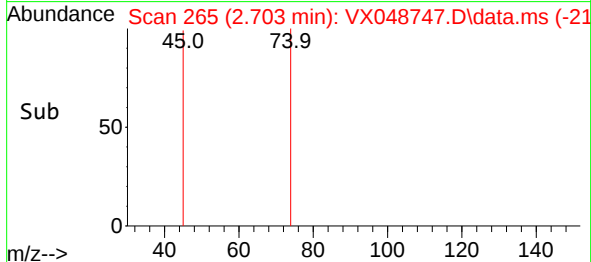
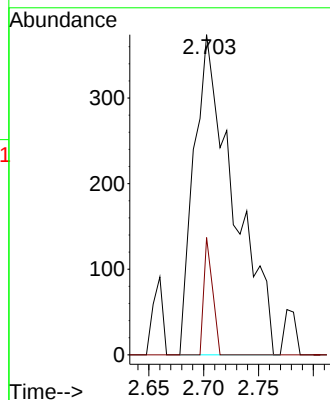
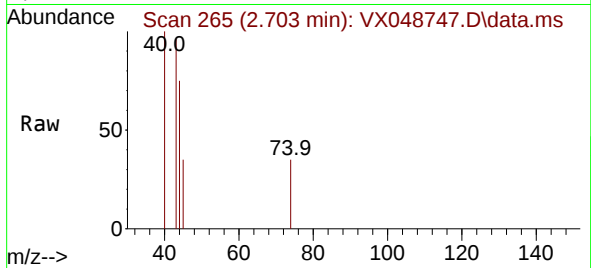




#18
Methyl Acetate
Concen: 0.519 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

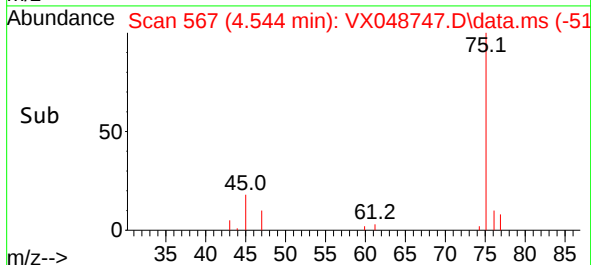
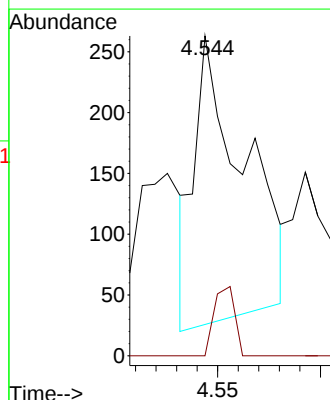
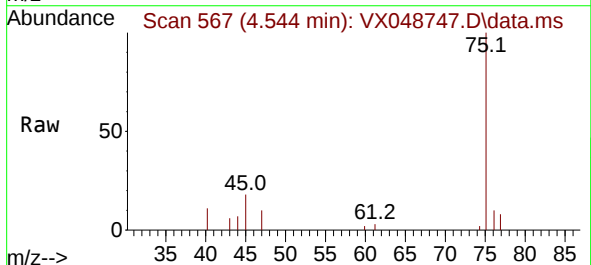
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

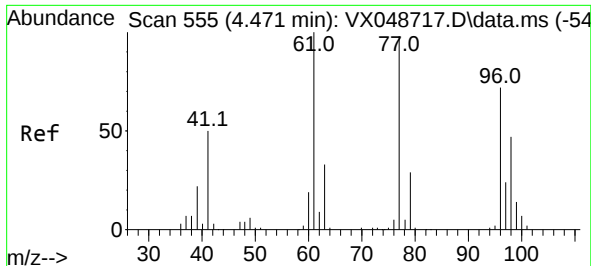
Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
74 8.1 19.2 28.8#



#25
2-Butanone
Concen: 0.416 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#





#26

2,2-Dichloropropane

Concen: 0.279 ug/l

RT: 4.544 min Scan# 5

Delta R.T. 0.073 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

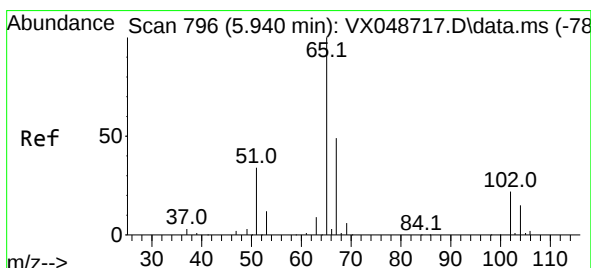
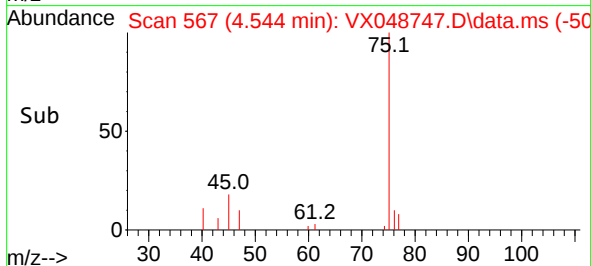
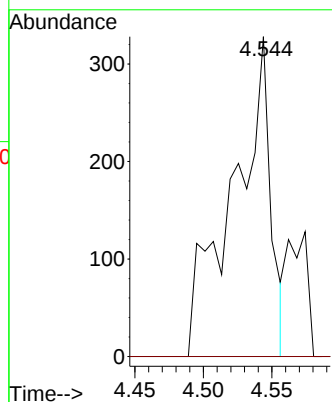
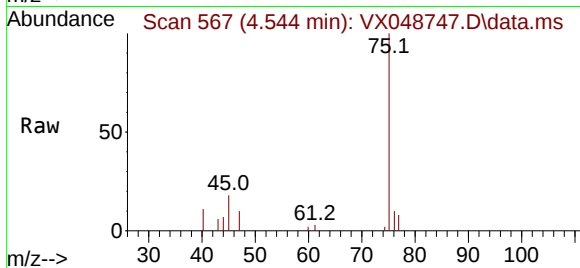
MW-14B-46-120325RE

Tgt Ion: 77 Resp: 626

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#33

1,2-Dichloroethane-d4

Concen: 57.744 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048747.D

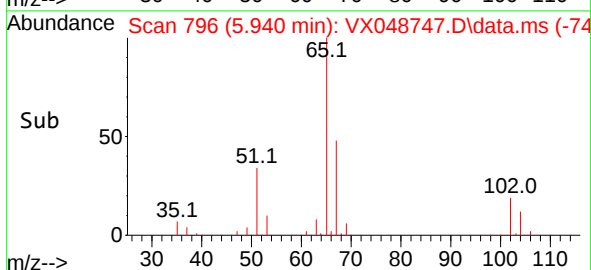
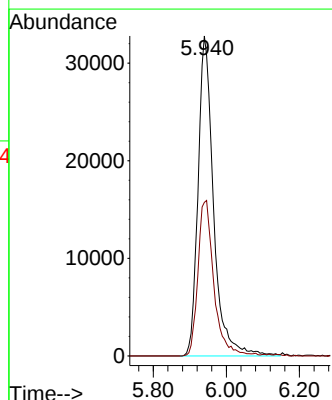
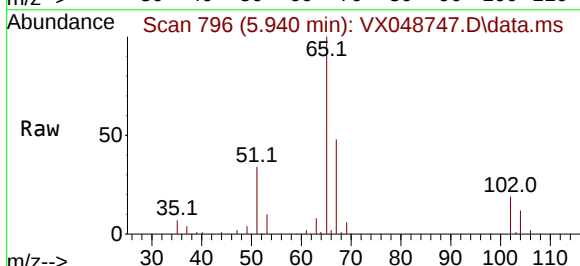
Acq: 08 Dec 2025 12:33

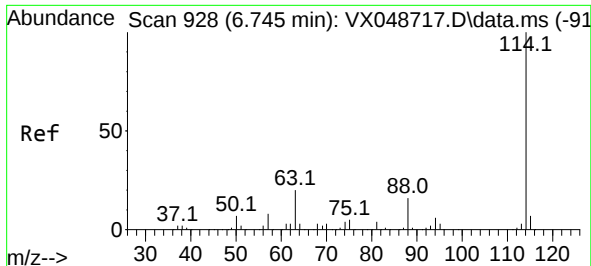
Tgt Ion: 65 Resp: 96803

Ion Ratio Lower Upper

65 100

67 49.8 0.0 107.4

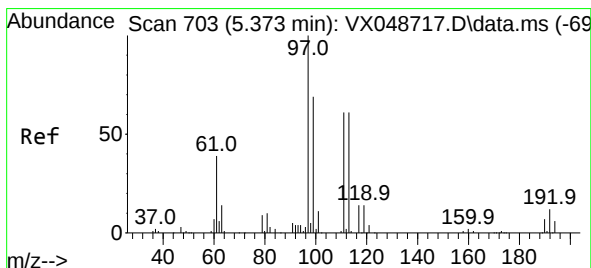
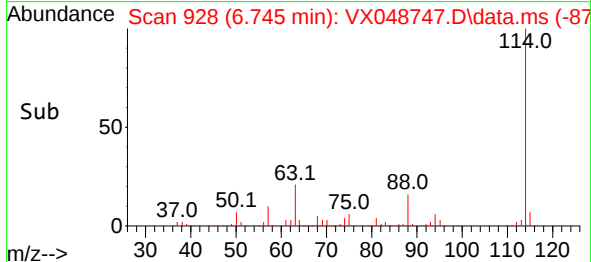
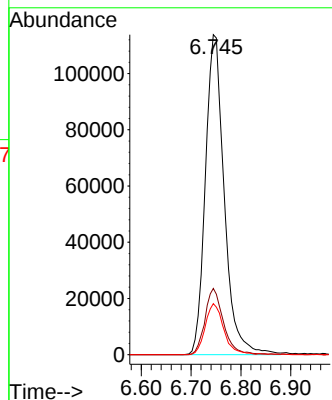
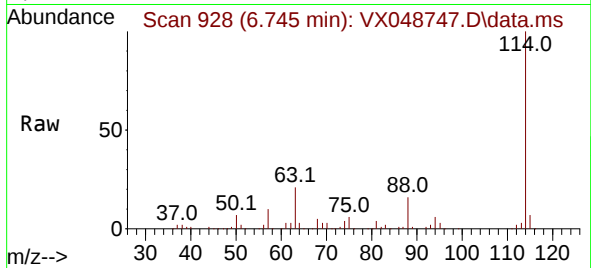




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

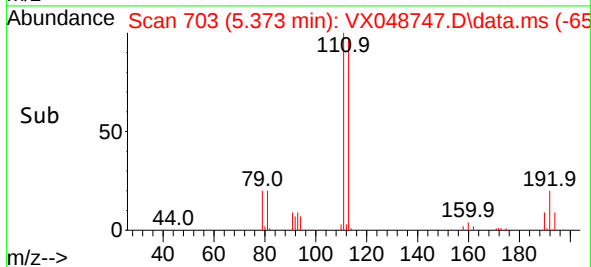
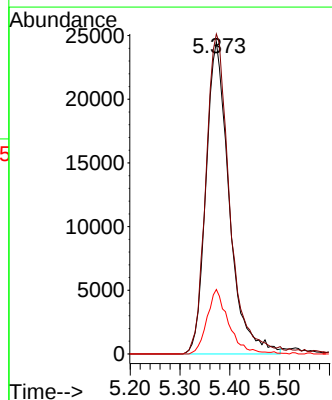
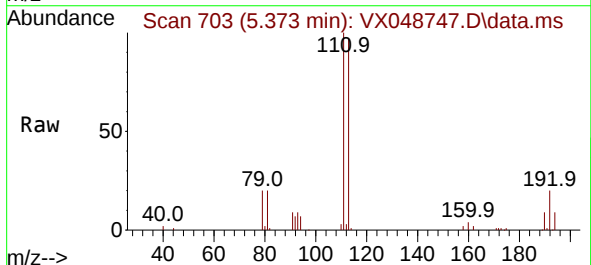
Instrument :
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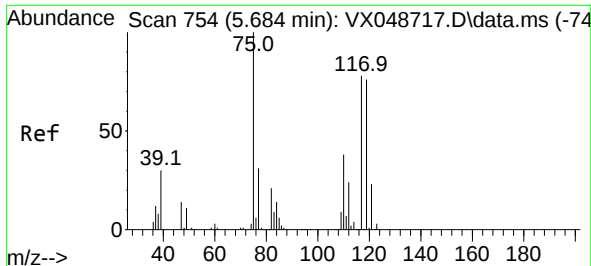
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Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.0
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 38.412 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion:113 Resp: 79281
Ion Ratio Lower Upper
113 100
111 104.9 79.5 119.3
192 19.5 16.1 24.1

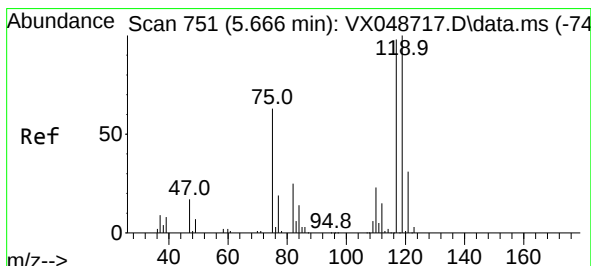
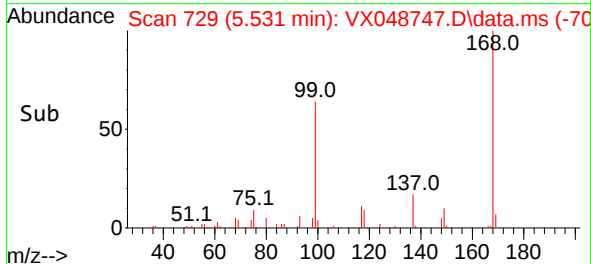
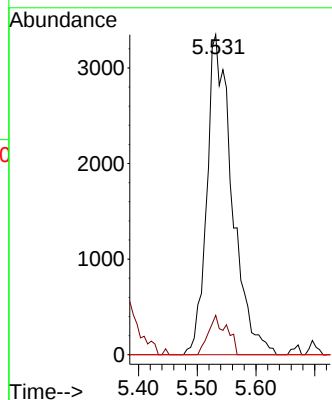
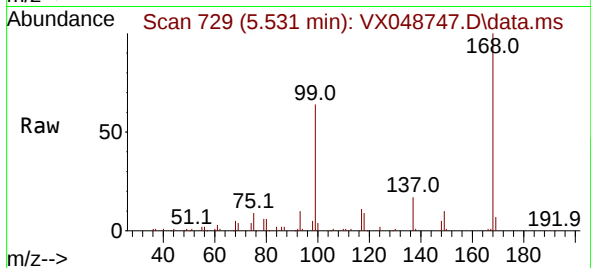




#36
1,1-Dichloropropene
Concen: 3.543 ug/l
RT: 5.531 min Scan# 710
Delta R.T. -0.152 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

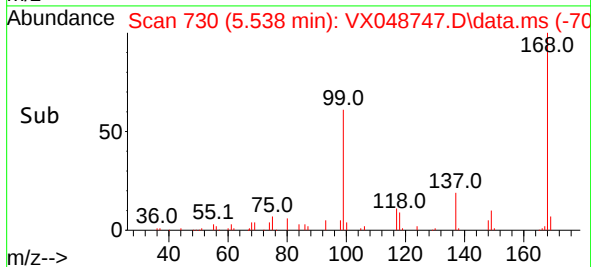
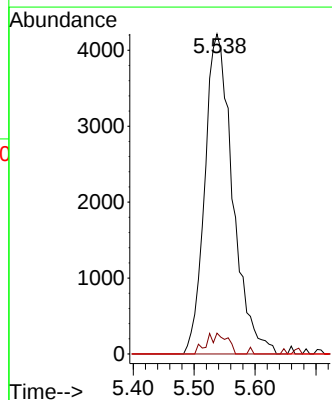
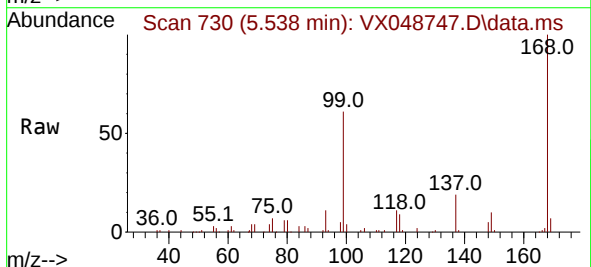
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

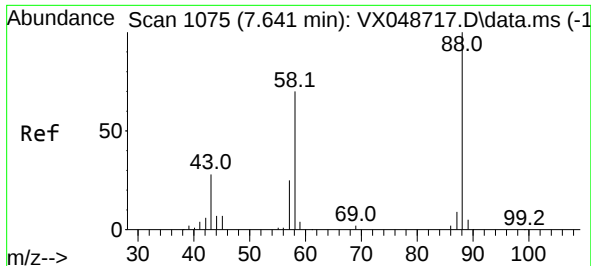
Tgt Ion: 75 Resp: 10017
Ion Ratio Lower Upper
75 100
110 9.0 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.190 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 117 Resp: 13416
Ion Ratio Lower Upper
117 100
119 6.5 80.5 120.7#
121 0.0 25.4 38.0#





#49

1,4-Dioxane

Concen: 1.215 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.030 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

MW-14B-46-120325RE

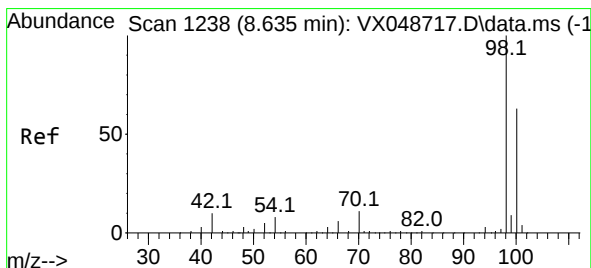
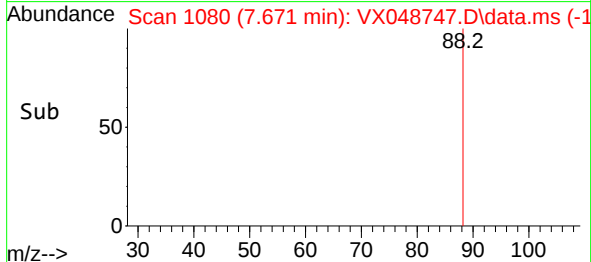
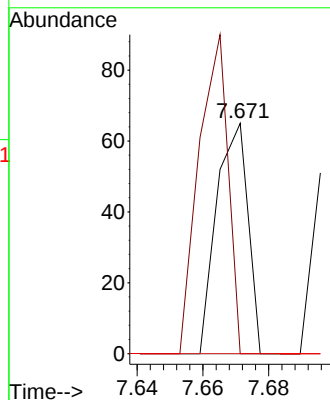
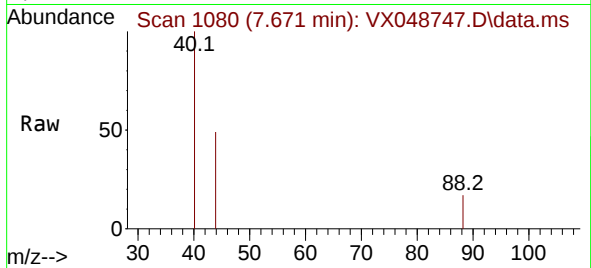
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 127.9 28.6 43.0#

58 0.0 58.0 87.0#



#50

Toluene-d8

Concen: 38.442 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048747.D

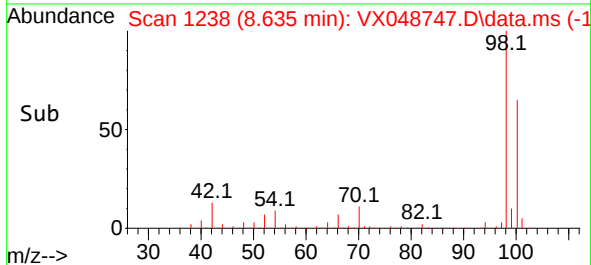
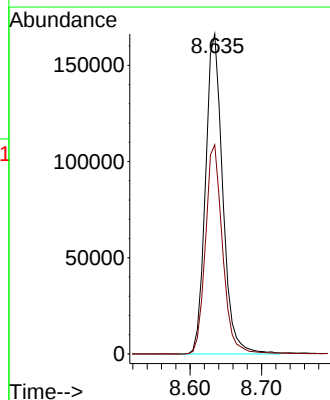
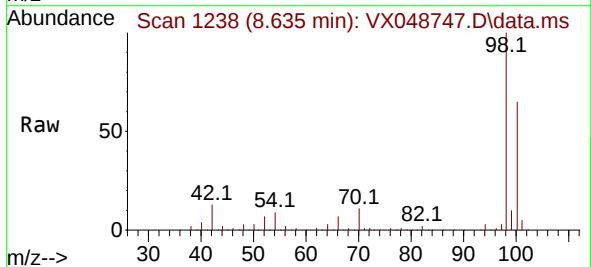
Acq: 08 Dec 2025 12:33

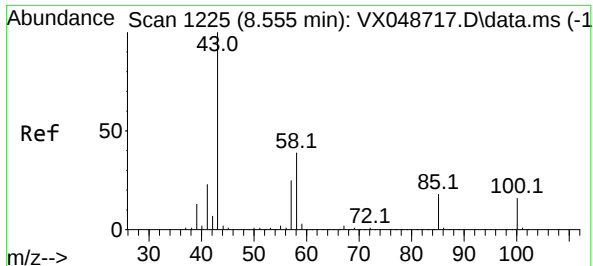
Tgt Ion: 98 Resp: 278126

Ion Ratio Lower Upper

98 100

100 65.2 53.4 80.0

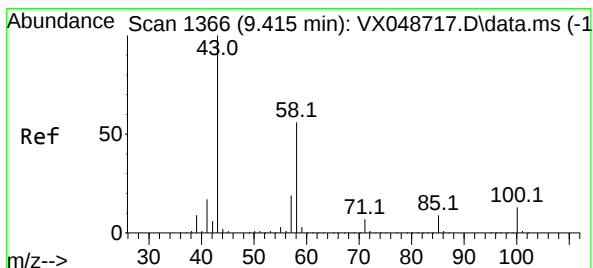
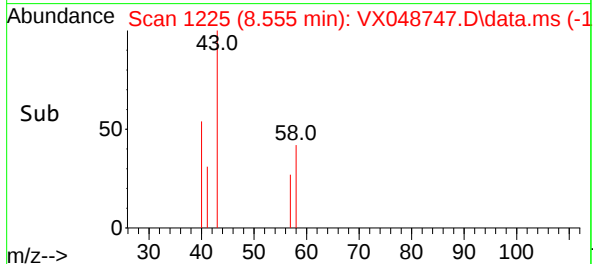
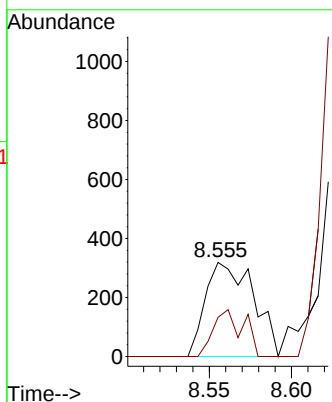
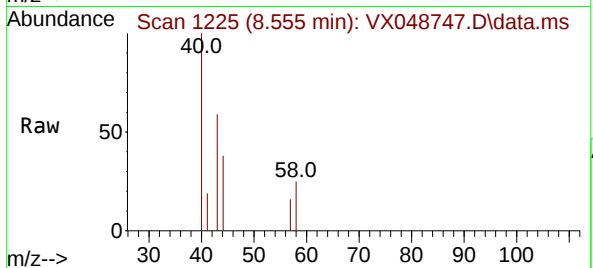




#51
4-Methyl-2-Pentanone
Concen: 0.204 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

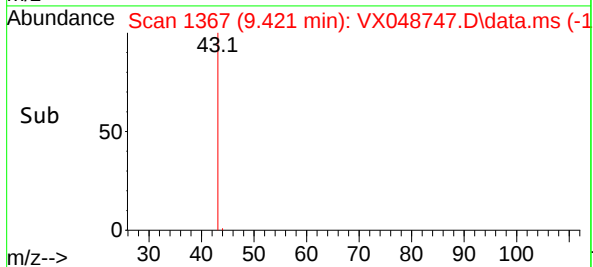
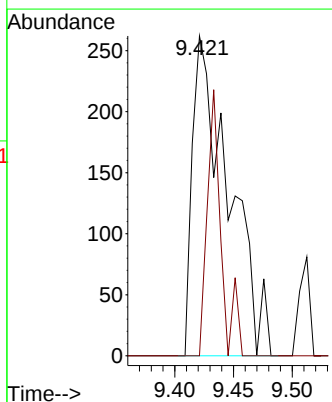
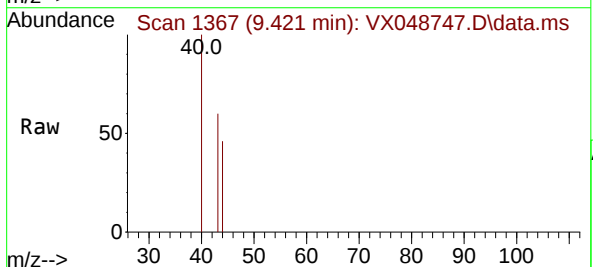
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

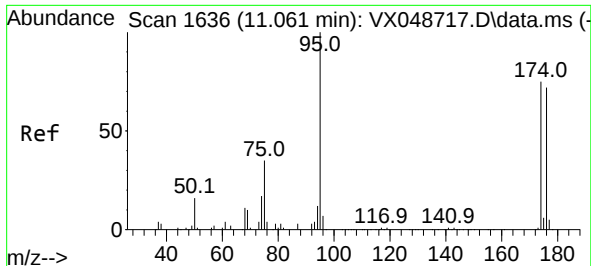
Tgt Ion: 43 Resp: 648
Ion Ratio Lower Upper
43 100
58 31.0 32.2 48.4#



#59
2-Hexanone
Concen: 0.252 ug/l
RT: 9.421 min Scan# 1367
Delta R.T. 0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 43 Resp: 562
Ion Ratio Lower Upper
43 100
58 31.7 27.8 83.4

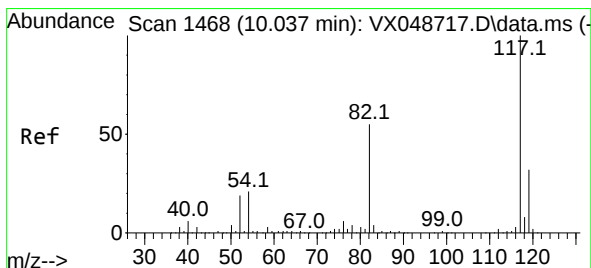
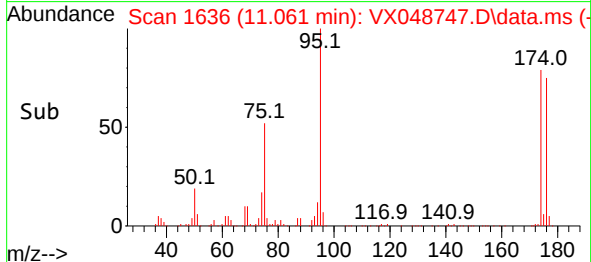
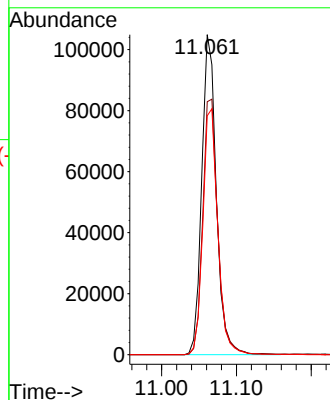
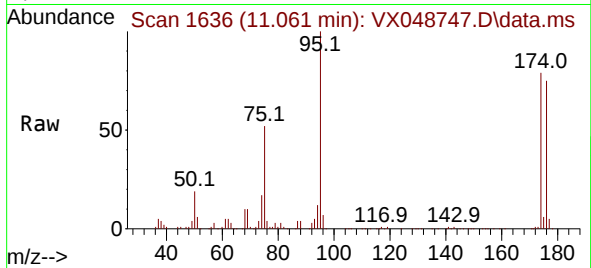




#62
4-Bromofluorobenzene
Concen: 56.882 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

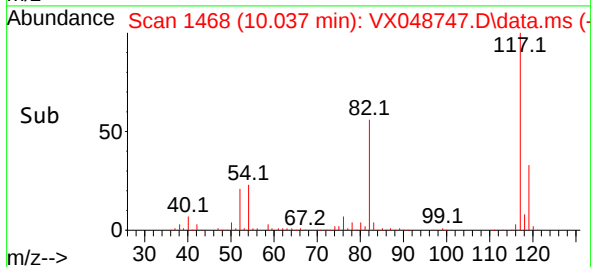
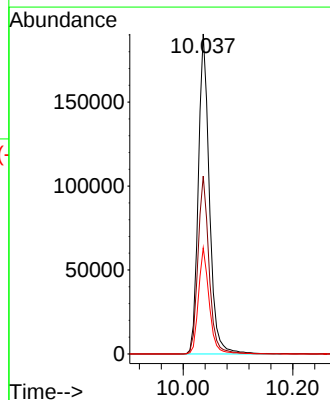
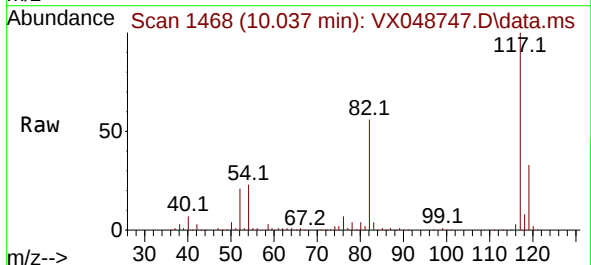
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

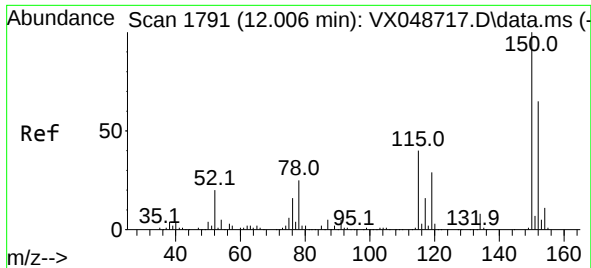
Tgt Ion: 95 Resp: 141911
Ion Ratio Lower Upper
95 100
174 82.4 0.0 157.8
176 79.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 117 Resp: 268328
Ion Ratio Lower Upper
117 100
82 55.6 44.1 66.1
119 33.2 25.2 37.8

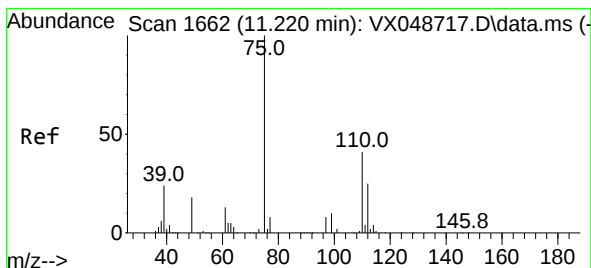
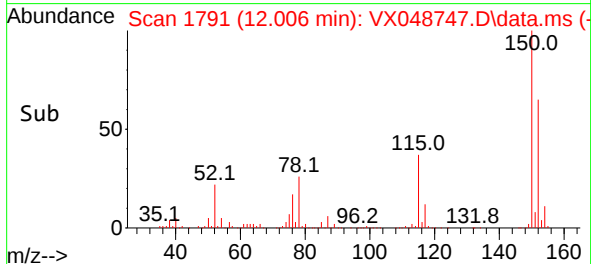
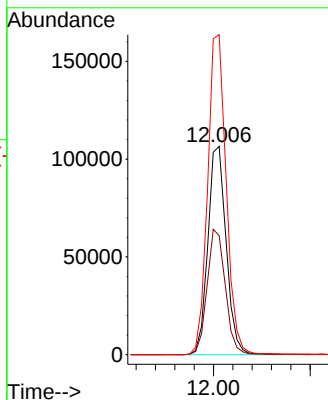
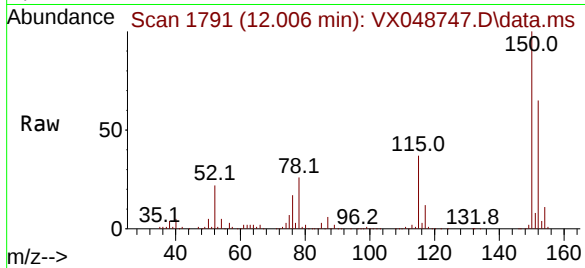




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

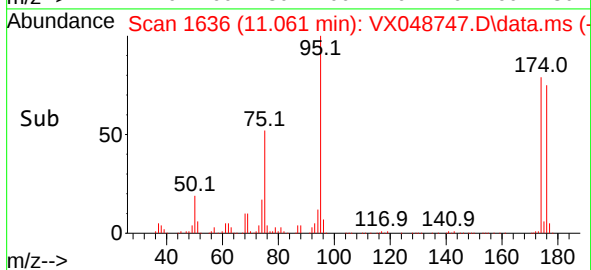
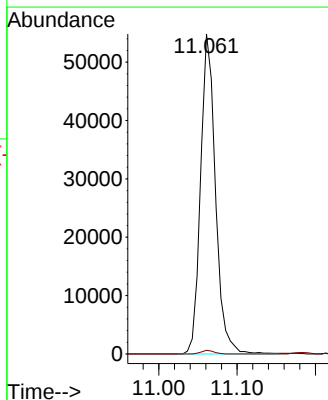
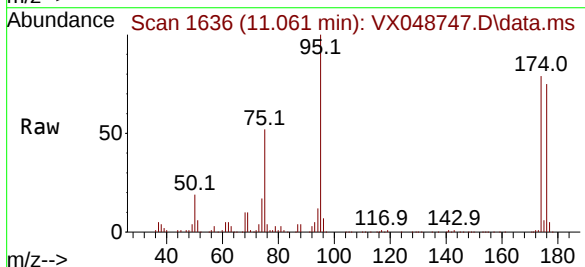
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

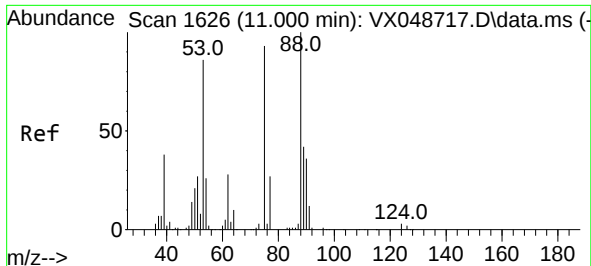
Tgt Ion:152 Resp: 139875
Ion Ratio Lower Upper
152 100
115 60.1 42.1 126.4
150 156.1 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 27.866 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 75 Resp: 72598
Ion Ratio Lower Upper
75 100
77 1.0 24.3 73.0#

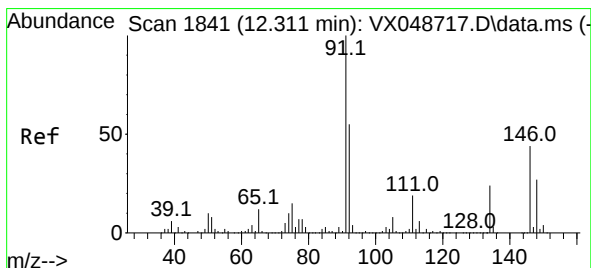
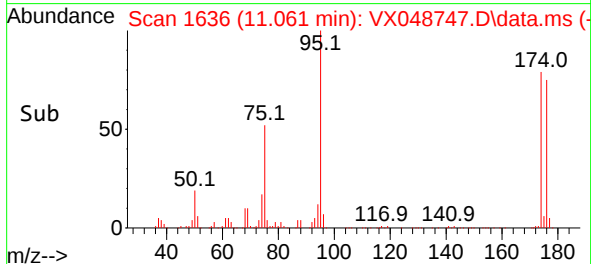
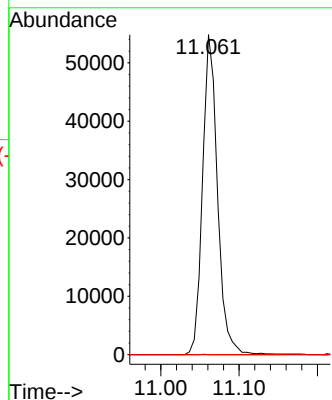
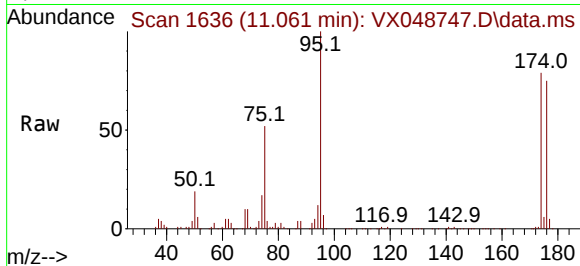




#81
trans-1,4-Dichloro-2-butene
Concen: 66.194 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

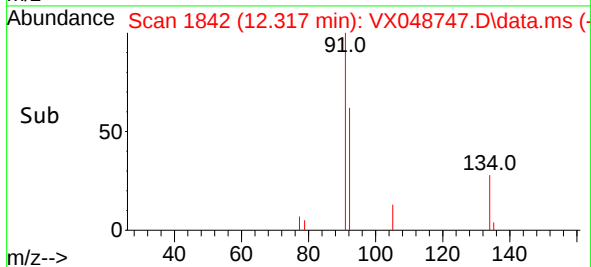
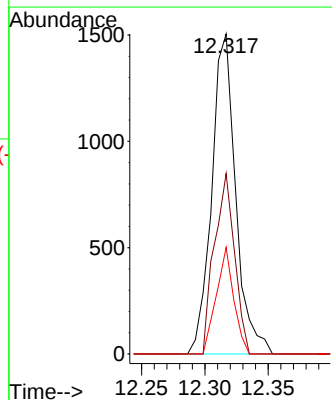
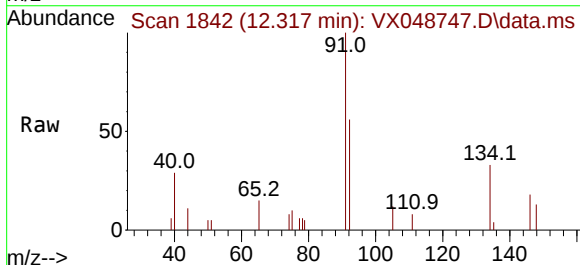
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

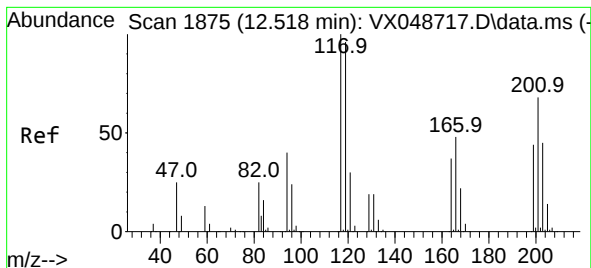
Tgt Ion: 75 Resp: 72598
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#89
n-Butylbenzene
Concen: 0.254 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 91 Resp: 1984
Ion Ratio Lower Upper
91 100
92 47.4 27.1 81.3
134 24.2 12.9 38.6





#90

Hexachloroethane

Concen: 0.206 ug/l

RT: 12.524 min Scan# 117

Delta R.T. 0.006 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

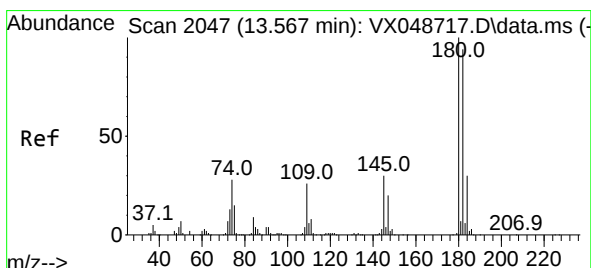
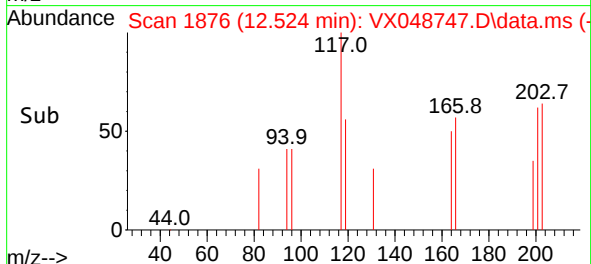
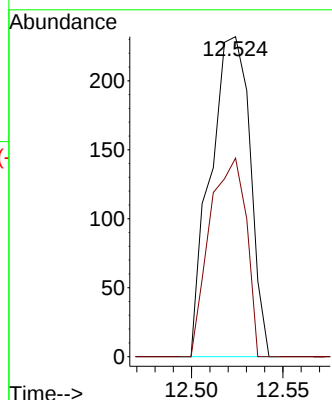
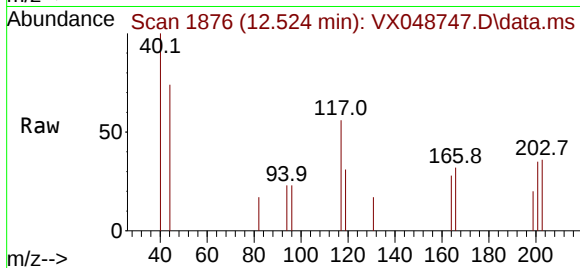
MW-14B-46-120325RE

Tgt Ion:117 Resp: 350

Ion Ratio Lower Upper

117 100

201 57.1 36.4 109.1



#93

1,2,4-Trichlorobenzene

Concen: 0.355 ug/l

RT: 13.573 min Scan# 2048

Delta R.T. 0.006 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

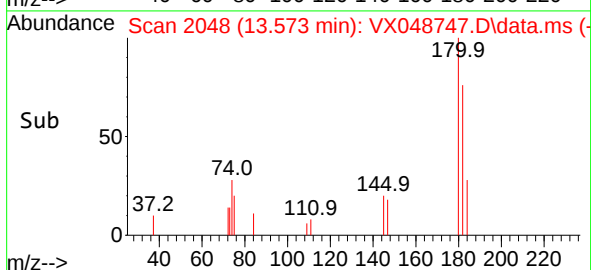
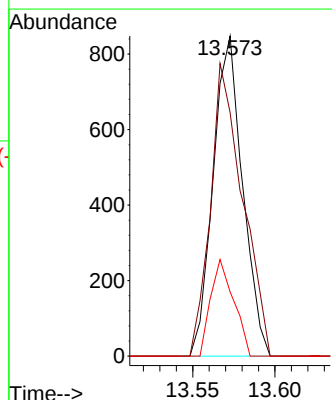
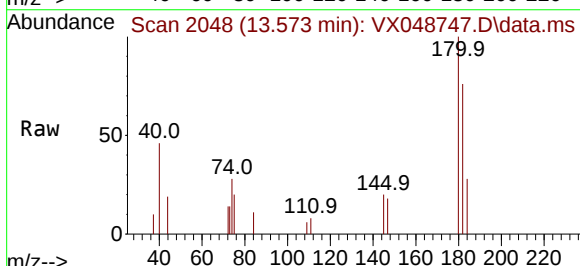
Tgt Ion:180 Resp: 1055

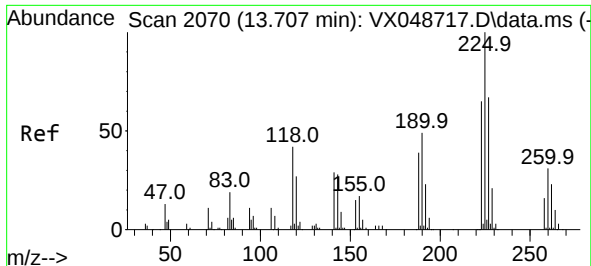
Ion Ratio Lower Upper

180 100

182 99.5 46.9 140.8

145 23.7 15.1 45.3

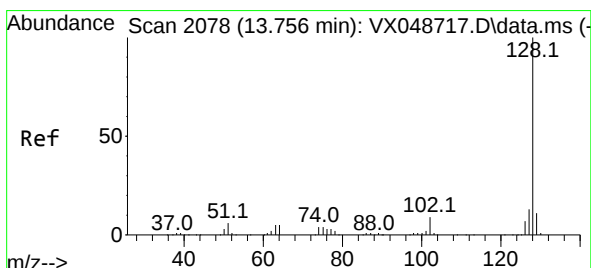
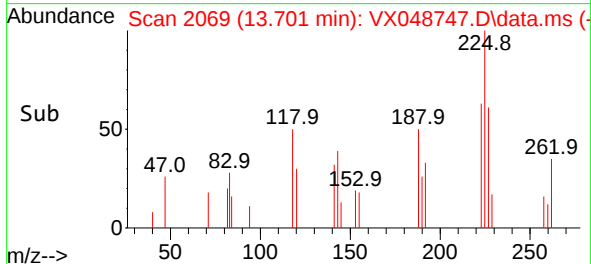
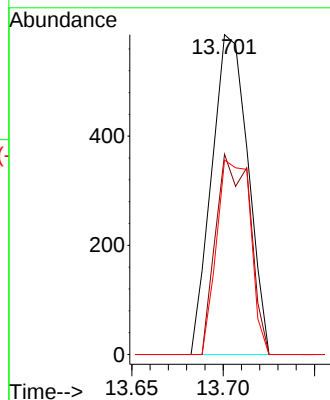
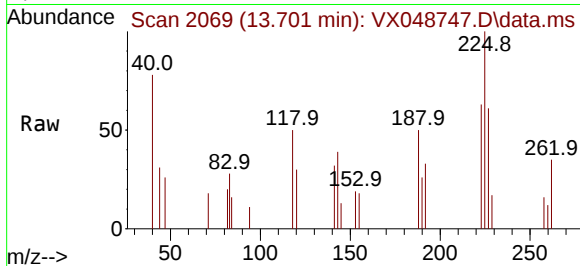




#94
Hexachlorobutadiene
Concen: 0.659 ug/l
RT: 13.701 min Scan# 2069
Delta R.T. -0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

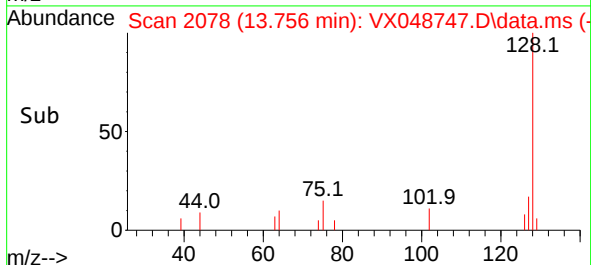
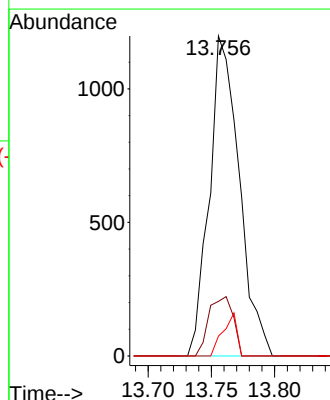
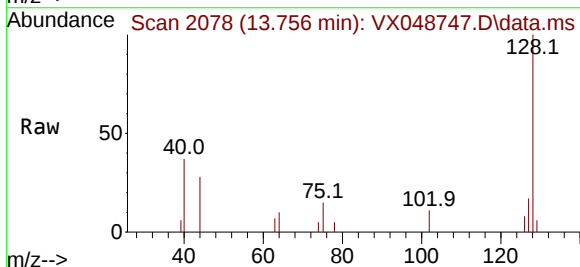
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

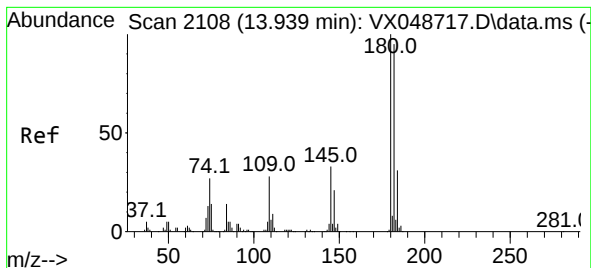
Tgt Ion:225 Resp: 809
Ion Ratio Lower Upper
225 100
223 58.7 33.0 98.9
227 56.5 32.9 98.7



#95
Naphthalene
Concen: Below Cal
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion:128 Resp: 1967
Ion Ratio Lower Upper
128 100
127 15.1 10.2 15.2
129 6.3 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.371 ug/l

RT: 13.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX048747.D

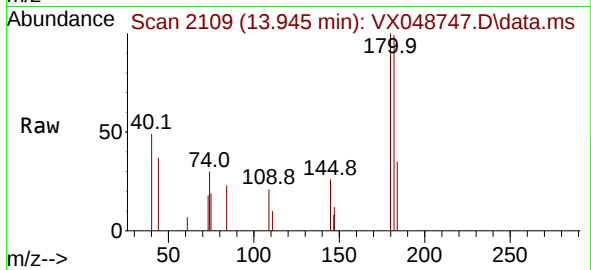
Acq: 08 Dec 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

MW-14B-46-120325RE



Tgt Ion:180 Resp: 1016

Ion Ratio Lower Upper

180 100

182 100.3 48.0 144.2

145 31.3 16.6 49.8

