

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
 Data File : VX048748.D
 Acq On : 08 Dec 2025 12:53
 Operator : JC/MD
 Sample : Q3757-09RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-05B-72-120325RE

Quant Time: Dec 09 04:09:02 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)

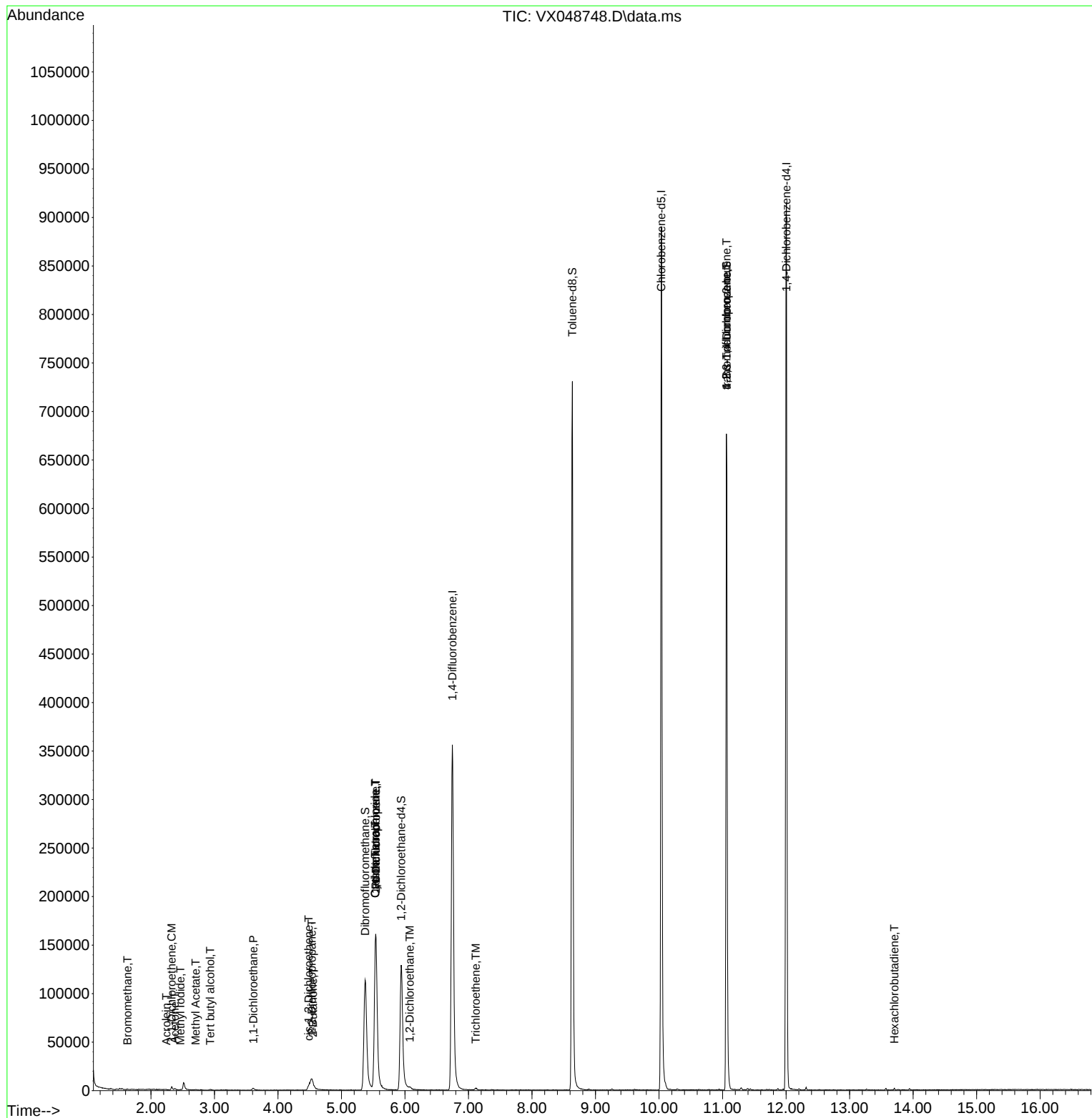
Internal Standards						
1) Pentafluorobenzene	5.537	168	169111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	409831	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	413547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	197728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	142724	62.880	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 125.760%#		
35) Dibromofluoromethane	5.373	113	111782	39.613	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 79.220%		
50) Toluene-d8	8.634	98	465280	47.039	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 94.080%		
62) 4-Bromofluorobenzene	11.061	95	191359	56.102	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 112.200%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.629	94	296	0.207	ug/l #	52
10) Methyl Iodide	2.465	142	703	0.257	ug/l #	93
11) Tert butyl alcohol	2.934	59	133	0.363	ug/l #	73
12) 1,1-Dichloroethene	2.324	96	1182	0.602	ug/l	86
13) Acrolein	2.239	56	21	40.227	ug/l #	1
16) Acetone	2.373	43	2059	2.370	ug/l	89
18) Methyl Acetate	2.702	43	808	0.330	ug/l #	71
24) 1,1-Dichloroethane	3.611	63	2702	0.786	ug/l #	82
25) 2-Butanone	4.550	43	634	0.494	ug/l #	46
26) 2,2-Dichloropropane	4.531	77	1111	0.365	ug/l #	52
27) cis-1,2-Dichloroethene	4.483	96	3429	1.516	ug/l	60
31) Cyclohexane	5.531	56	3798	1.238	ug/l #	25
36) 1,1-Dichloropropene	5.543	75	13541	3.504	ug/l #	48
38) Carbon Tetrachloride	5.531	117	17342	3.961	ug/l #	13
42) 1,2-Dichloroethane	6.074	62	2143	0.528	ug/l	76
44) Trichloroethene	7.116	130	749	0.251	ug/l	62
76) 1,2,3-Trichloropropane	11.061	75	99967	27.145	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	99967	64.479	ug/l #	3
94) Hexachlorobutadiene	13.707	225	361	0.208	ug/l	87
95) Naphthalene	13.755	128	675	Below Cal	#	69

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

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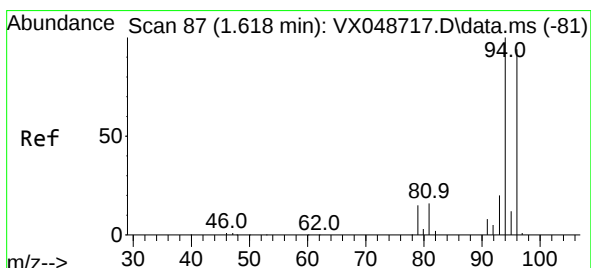
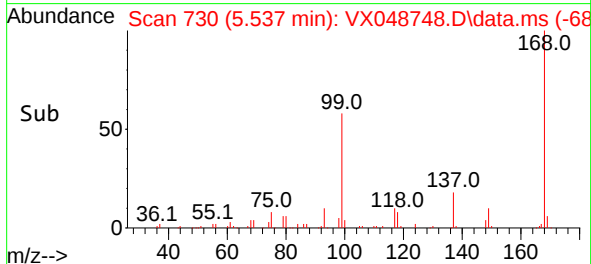
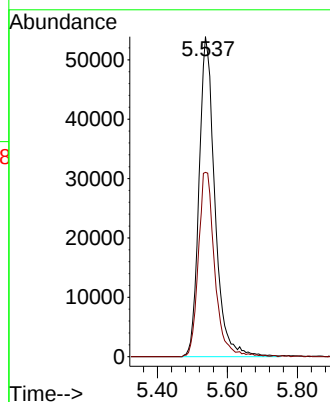
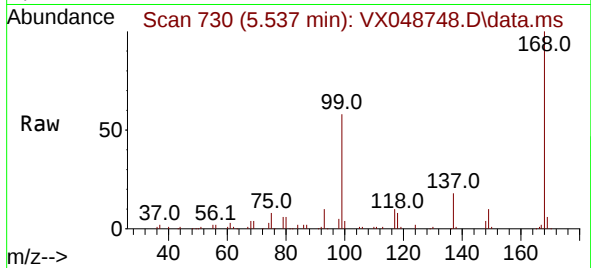




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

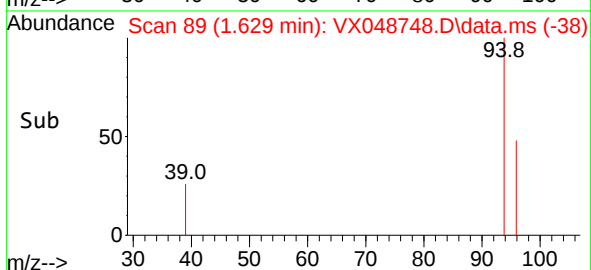
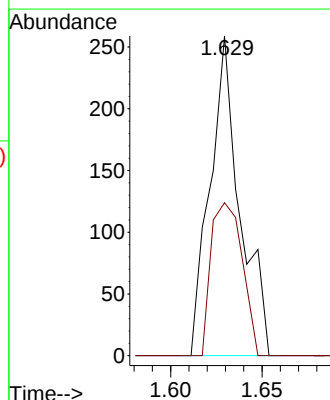
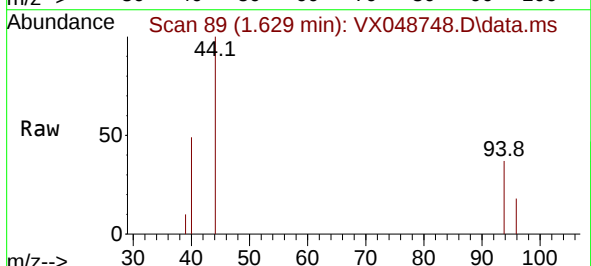
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

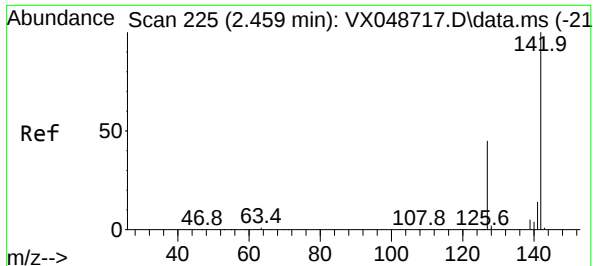
Tgt Ion:168 Resp: 169111
Ion Ratio Lower Upper
168 100
99 57.6 44.2 66.4



#5
Bromomethane
Concen: 0.207 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

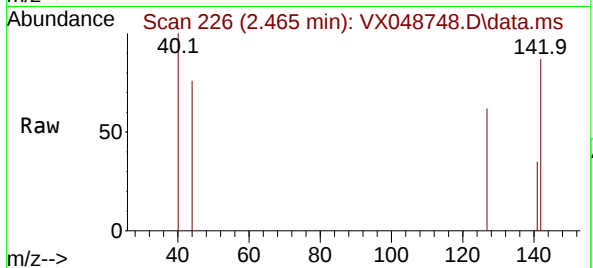
Tgt Ion: 94 Resp: 296
Ion Ratio Lower Upper
94 100
96 47.9 75.2 112.8#



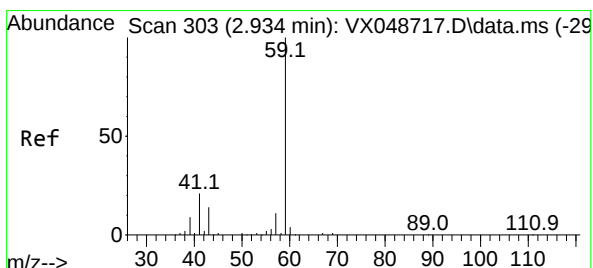
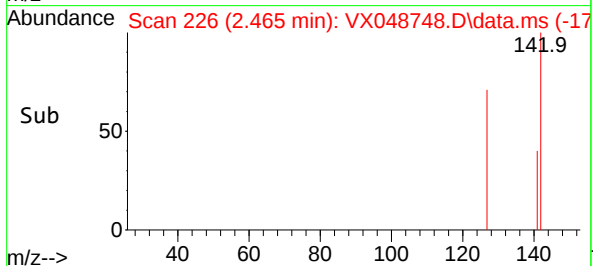
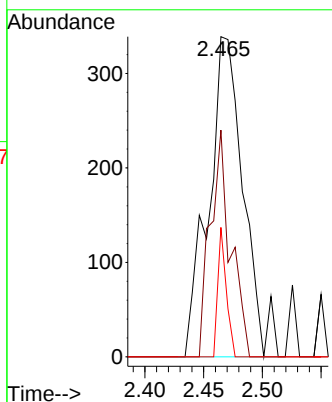


#10
Methyl Iodide
Concen: 0.257 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

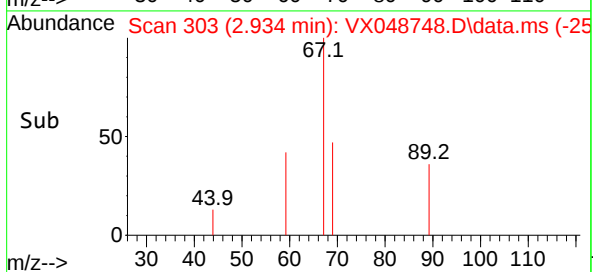
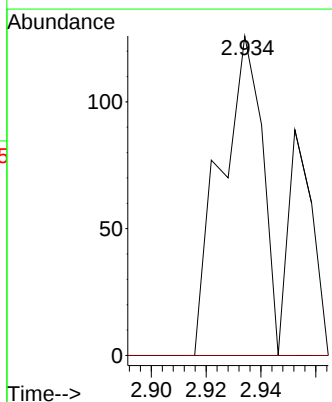
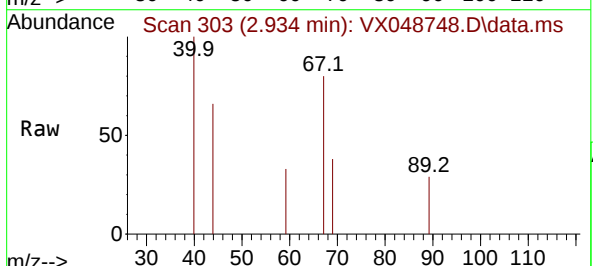


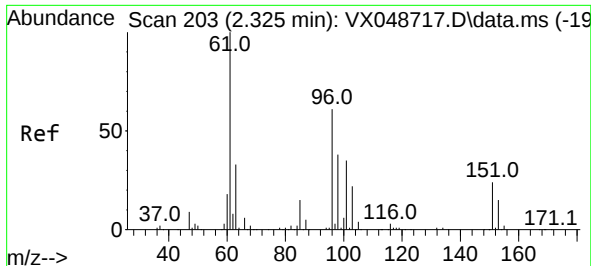
Tgt Ion:142 Resp: 703
Ion Ratio Lower Upper
142 100
127 41.1 35.8 53.6
141 9.8 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.363 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.602 ug/l

RT: 2.324 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

Instrument :

MSVOA_X

ClientSampleId :

OW-05B-72-120325RE

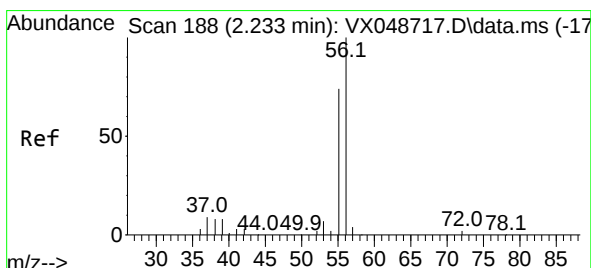
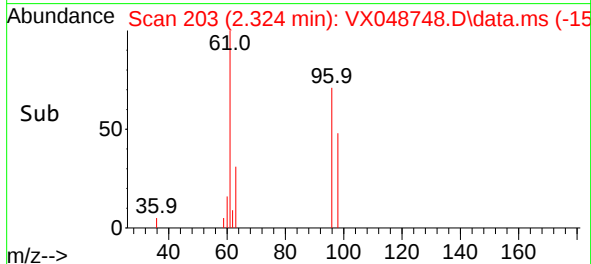
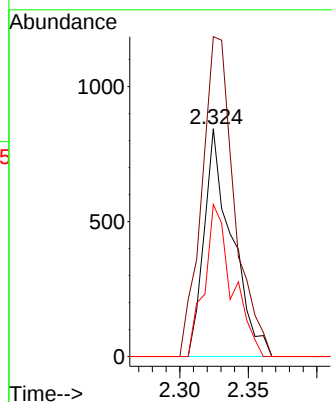
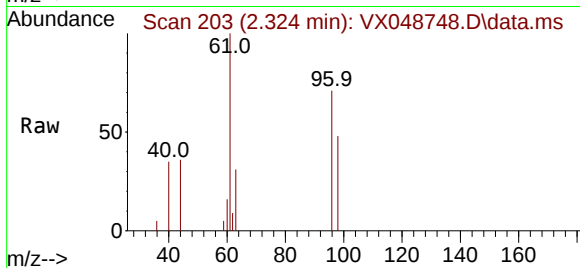
Tgt Ion: 96 Resp: 1182

Ion Ratio Lower Upper

96 100

61 140.4 130.7 196.1

98 66.7 49.8 74.8



#13

Acrolein

Concen: 40.227 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX048748.D

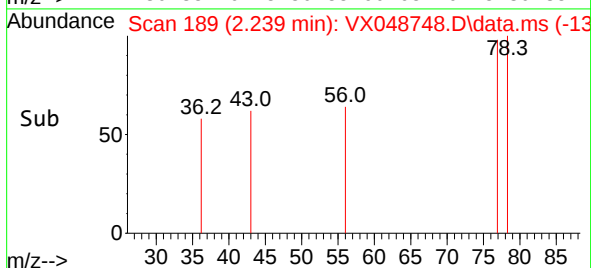
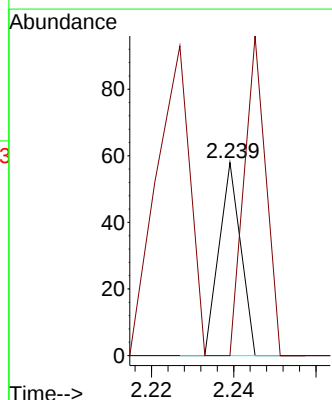
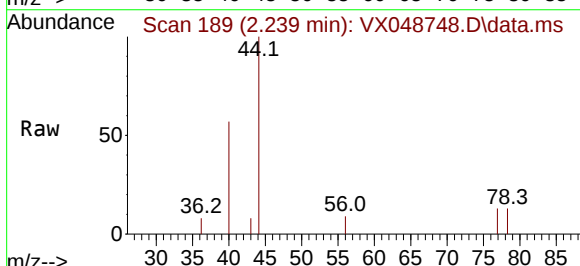
Acq: 08 Dec 2025 12:53

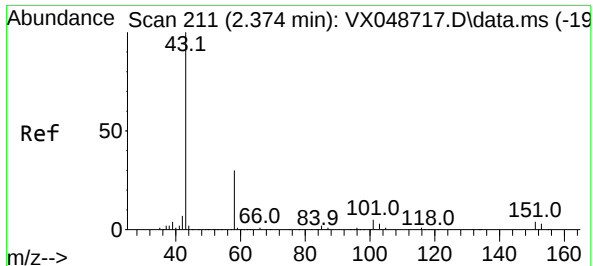
Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 166.7 55.8 83.6#

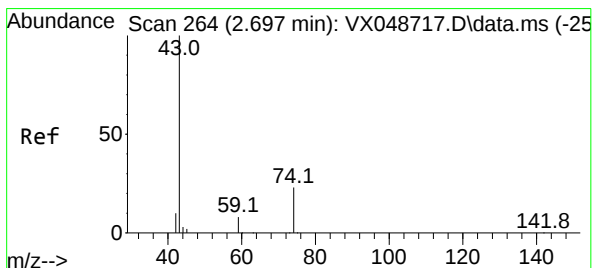
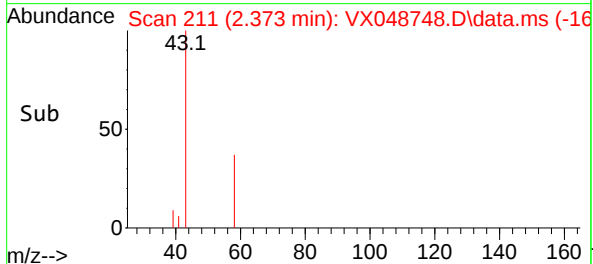
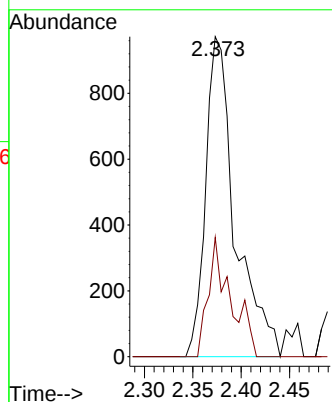
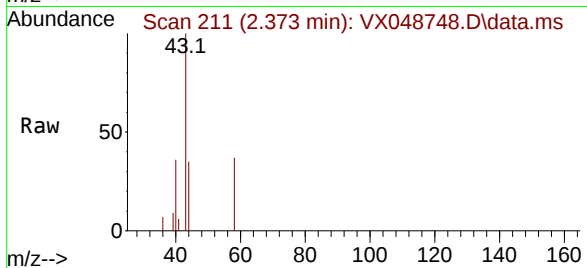




#16
Acetone
Concen: 2.370 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

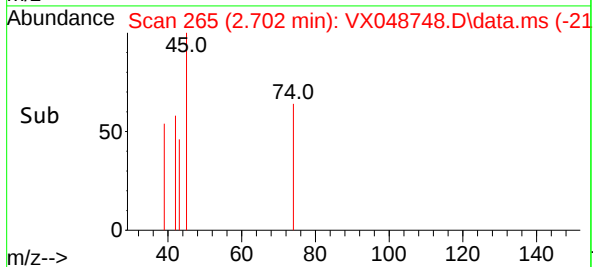
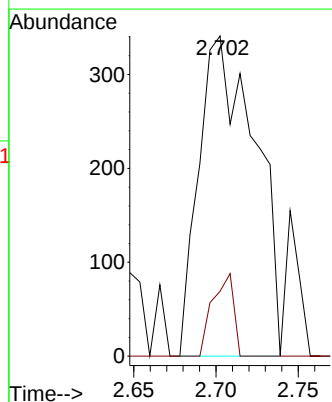
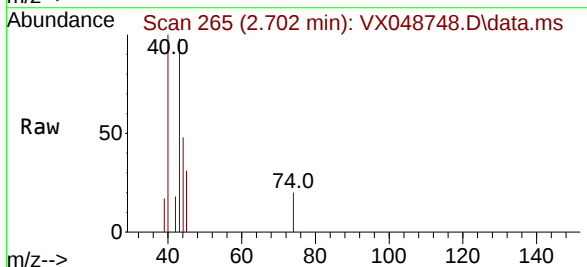
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

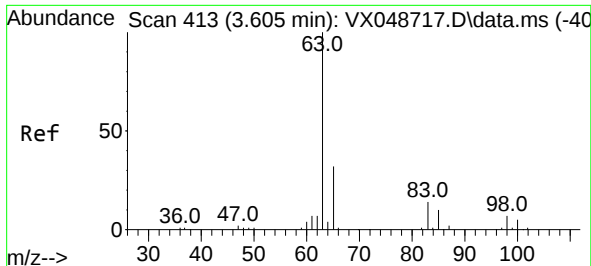
Tgt Ion: 43 Resp: 2059
Ion Ratio Lower Upper
43 100
58 37.2 25.0 37.4



#18
Methyl Acetate
Concen: 0.330 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
74 9.7 19.2 28.8#





#24

1,1-Dichloroethane

Concen: 0.786 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

Instrument :

MSVOA_X

ClientSampleId :

OW-05B-72-120325RE

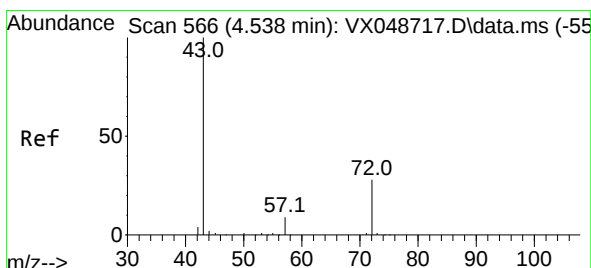
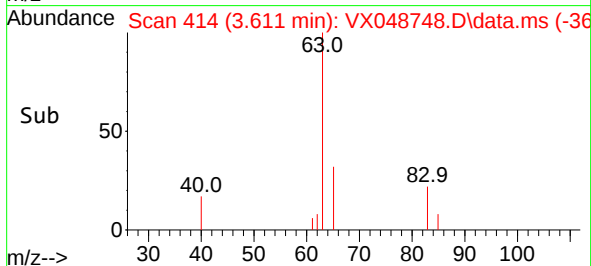
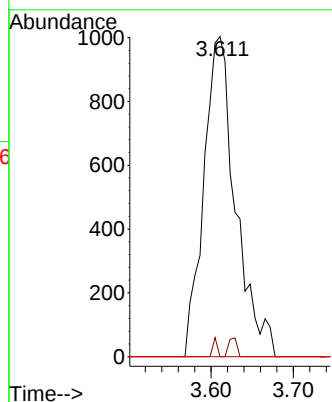
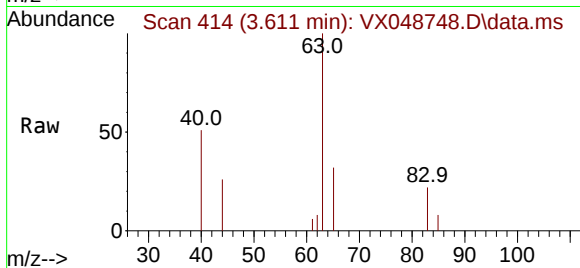
Tgt Ion: 63 Resp: 2702

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.6#

100 0.0 2.5 7.4#



#25

2-Butanone

Concen: 0.494 ug/l

RT: 4.550 min Scan# 568

Delta R.T. 0.012 min

Lab File: VX048748.D

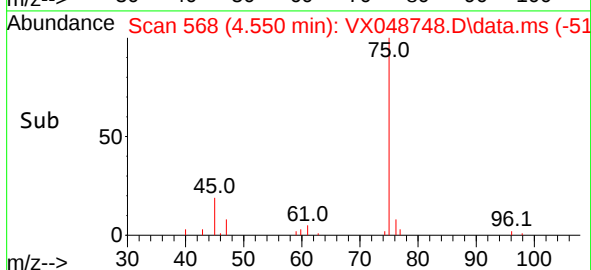
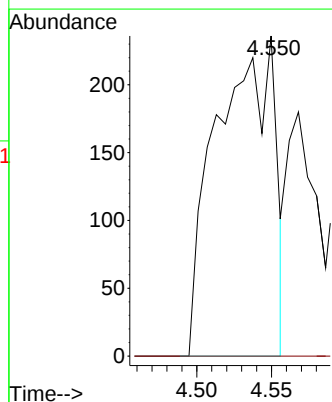
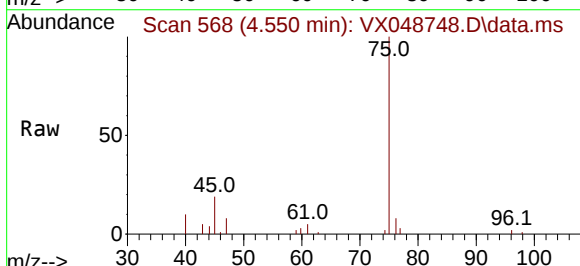
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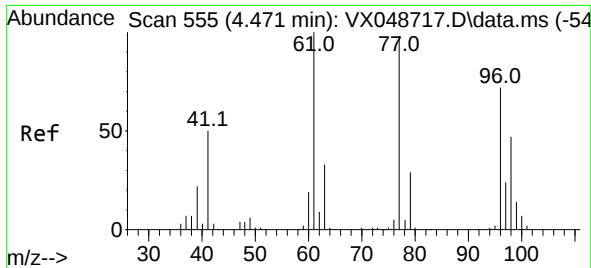
Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#

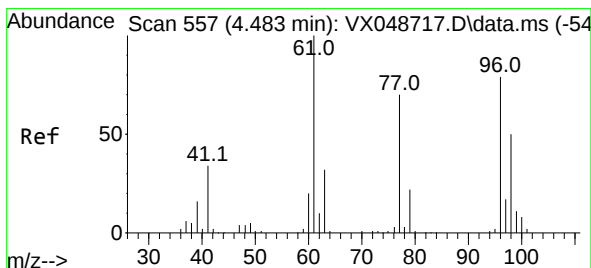
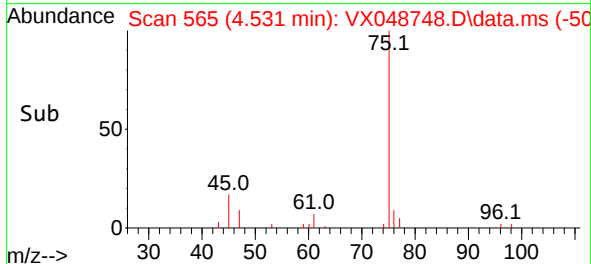
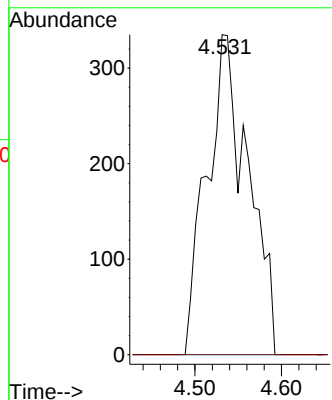
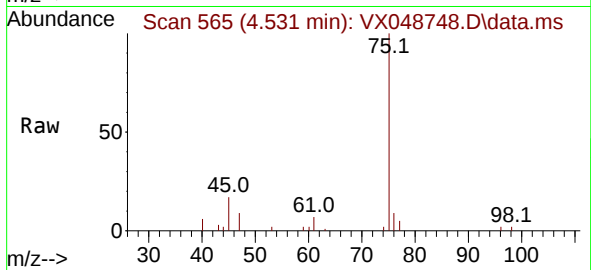




#26
2,2-Dichloropropane
Concen: 0.365 ug/l
RT: 4.531 min Scan# 555
Delta R.T. 0.061 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

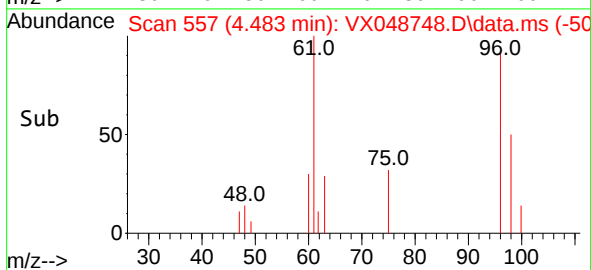
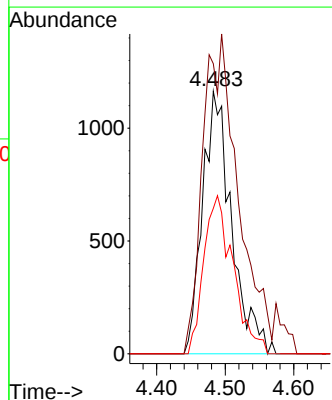
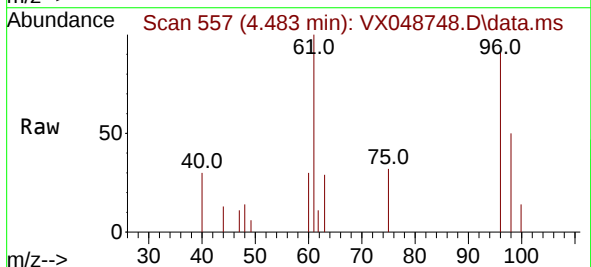
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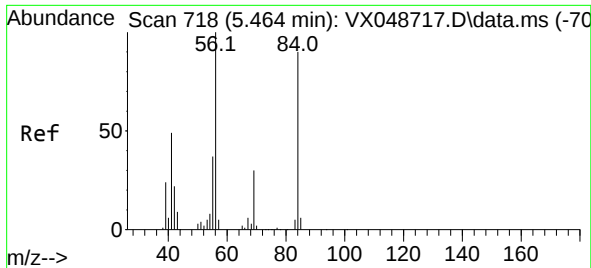
Tgt Ion: 77 Resp: 1111
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#



#27
cis-1,2-Dichloroethene
Concen: 1.516 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

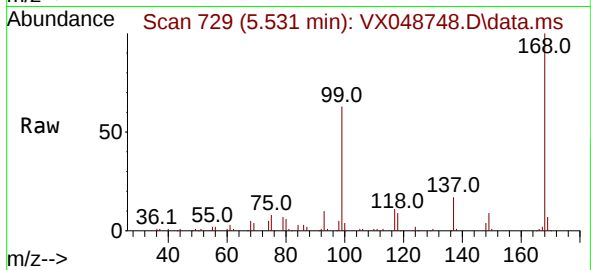
Tgt Ion: 96 Resp: 3429
Ion Ratio Lower Upper
96 100
61 67.6 0.0 271.0
98 61.1 0.0 130.2



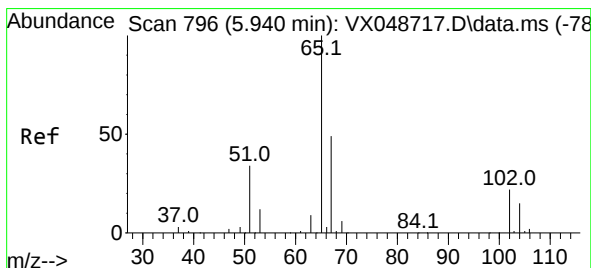
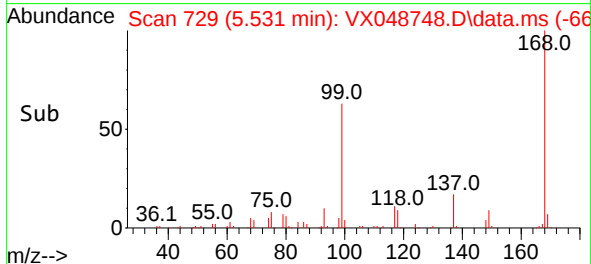
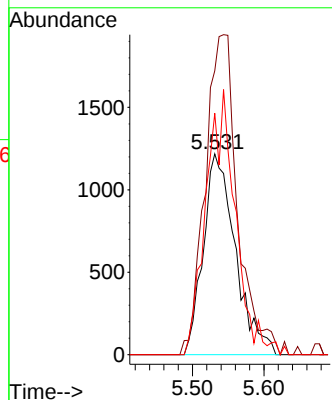


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 5.531 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Instrument :
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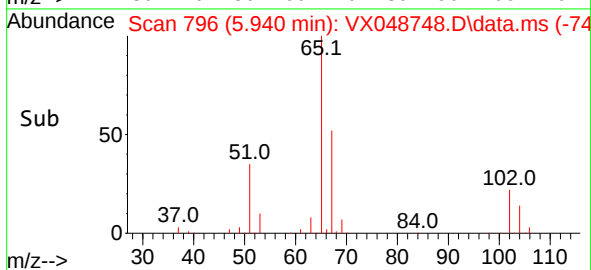
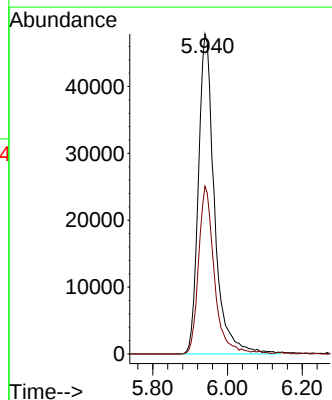
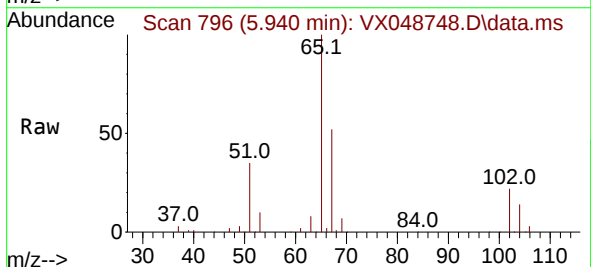


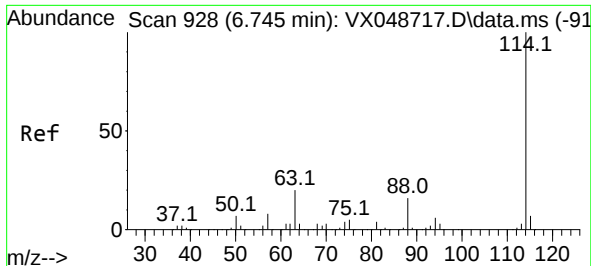
Tgt Ion: 56 Resp: 3798
Ion Ratio Lower Upper
56 100
69 141.4 24.2 36.2#
84 120.3 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 62.880 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion: 65 Resp: 142724
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.4

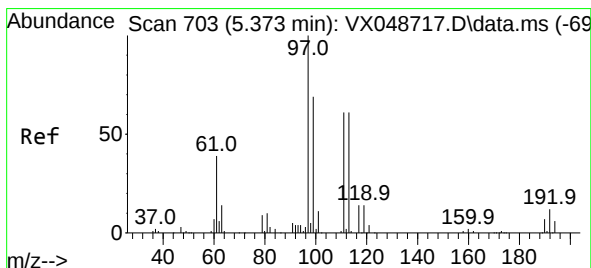
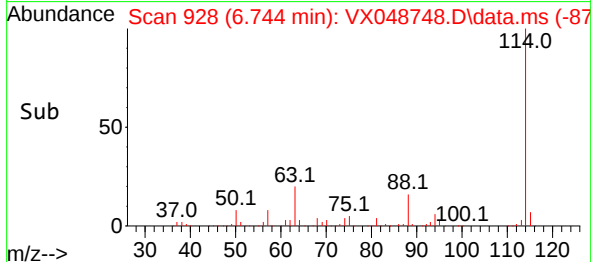
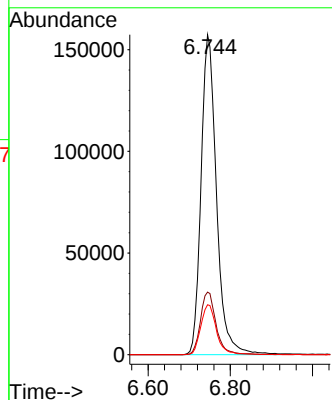
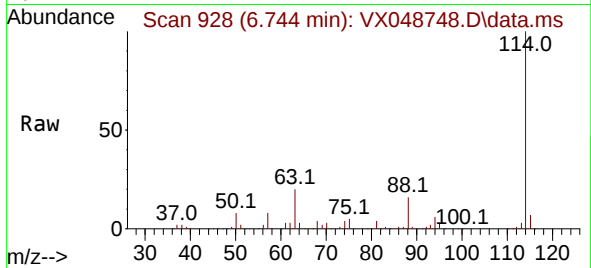




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

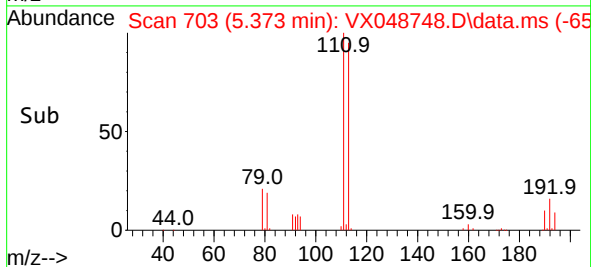
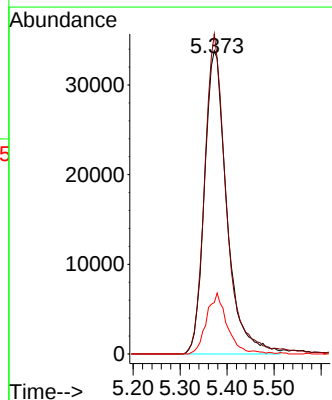
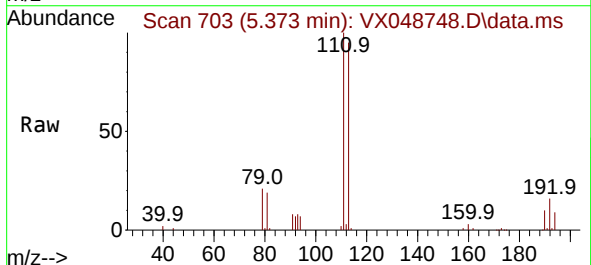
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

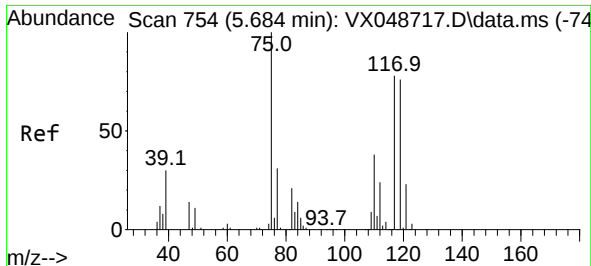
Tgt Ion:114 Resp: 409831
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.0
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 39.613 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion:113 Resp: 111782
Ion Ratio Lower Upper
113 100
111 103.7 79.5 119.3
192 18.7 16.1 24.1

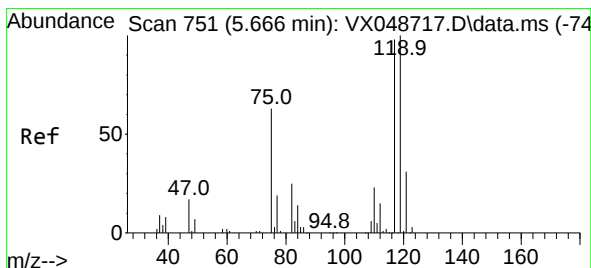
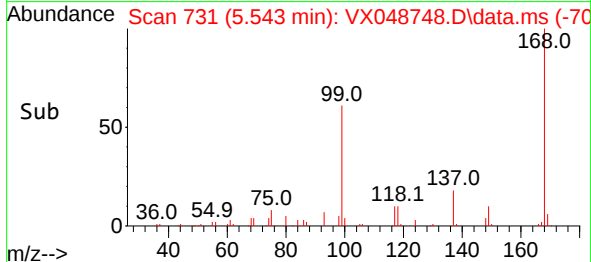
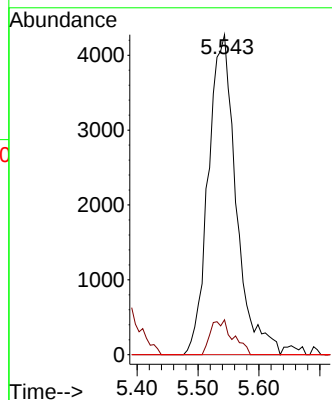
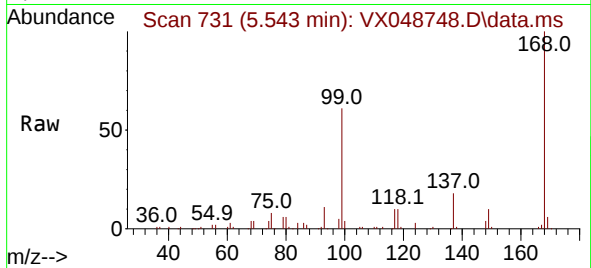




#36
1,1-Dichloropropene
Concen: 3.504 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

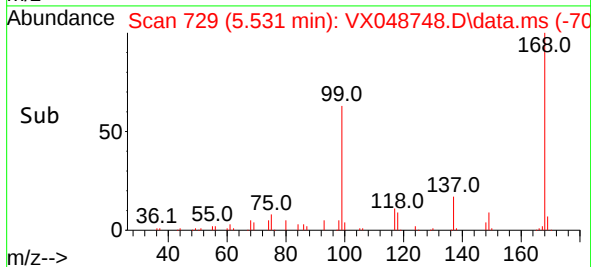
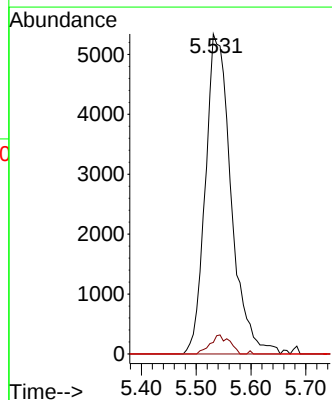
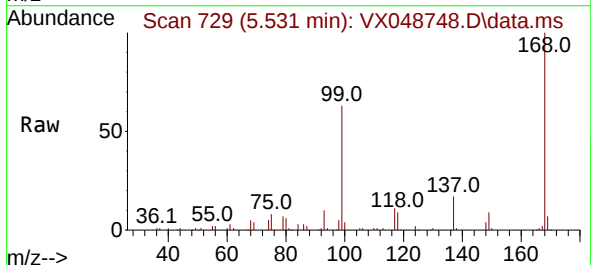
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

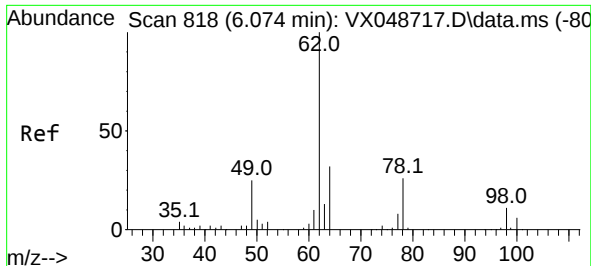
Tgt Ion: 75 Resp: 13541
Ion Ratio Lower Upper
75 100
110 8.8 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 3.961 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.134 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion: 117 Resp: 17342
Ion Ratio Lower Upper
117 100
119 3.6 80.5 120.7#
121 0.0 25.4 38.0#





#42

1,2-Dichloroethane

Concen: 0.528 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

Instrument :

MSVOA_X

ClientSampleId :

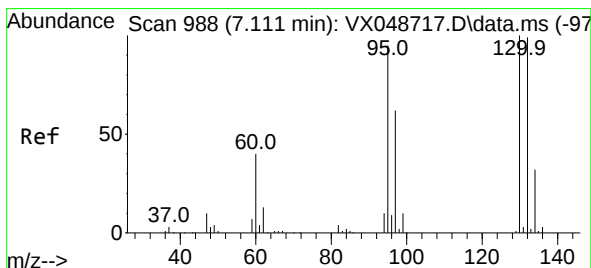
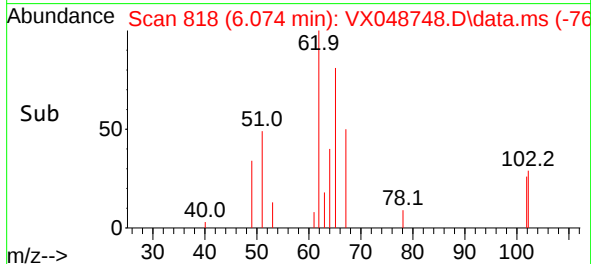
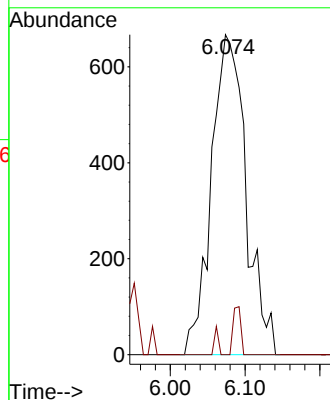
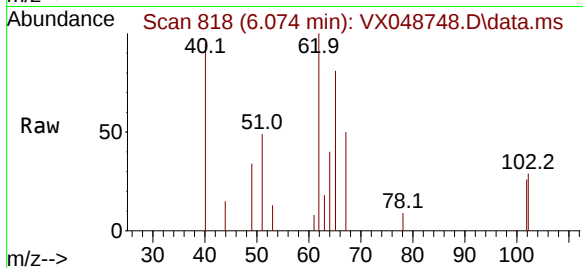
OW-05B-72-120325RE

Tgt Ion: 62 Resp: 2143

Ion Ratio Lower Upper

62 100

98 1.0 0.0 20.2



#44

Trichloroethene

Concen: 0.251 ug/l

RT: 7.116 min Scan# 989

Delta R.T. 0.006 min

Lab File: VX048748.D

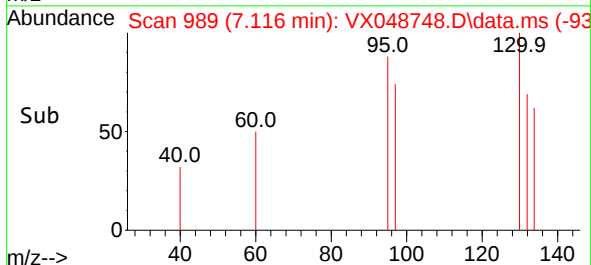
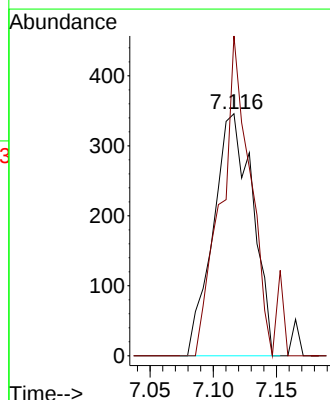
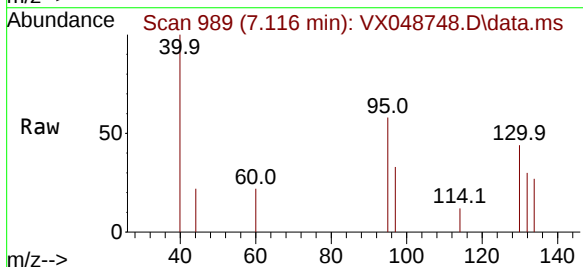
Acq: 08 Dec 2025 12:53

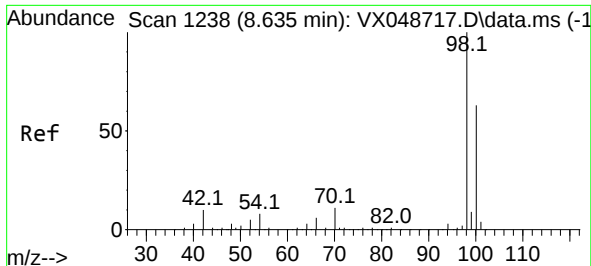
Tgt Ion:130 Resp: 749

Ion Ratio Lower Upper

130 100

95 132.1 0.0 189.6

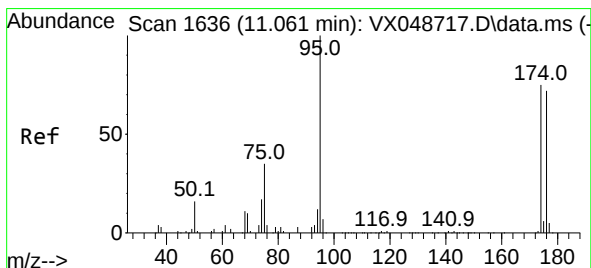
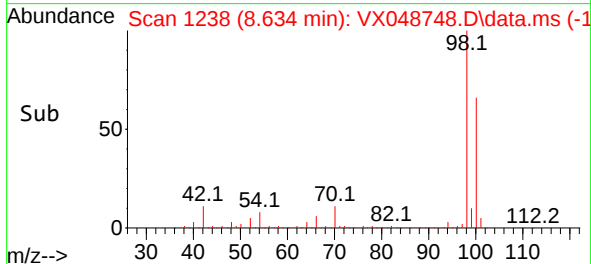
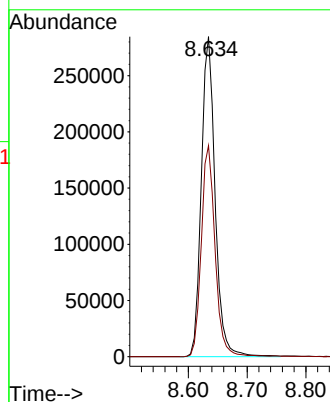
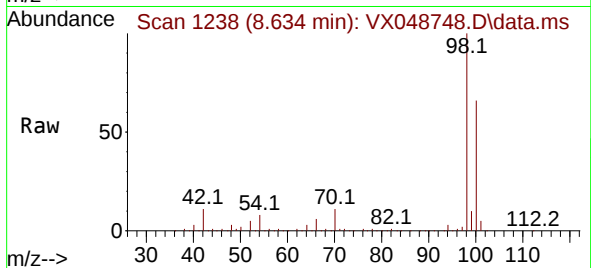




#50
Toluene-d8
Concen: 47.039 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

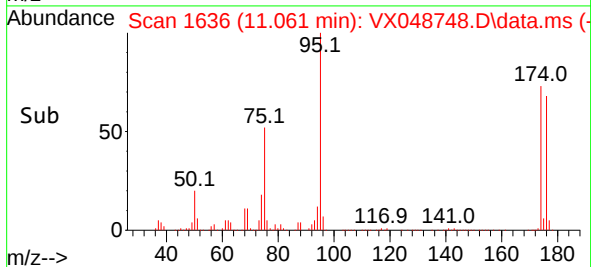
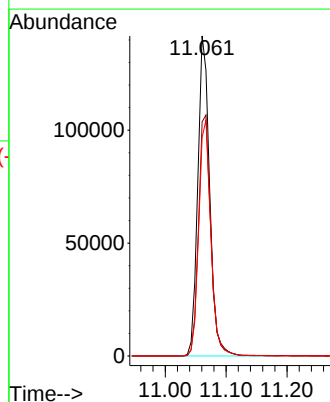
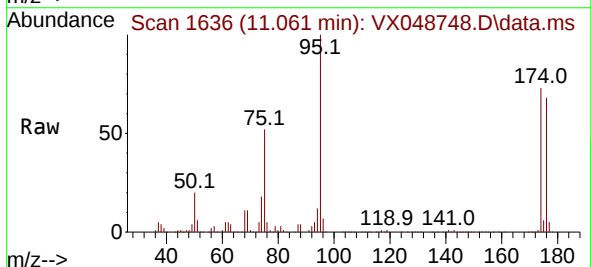
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

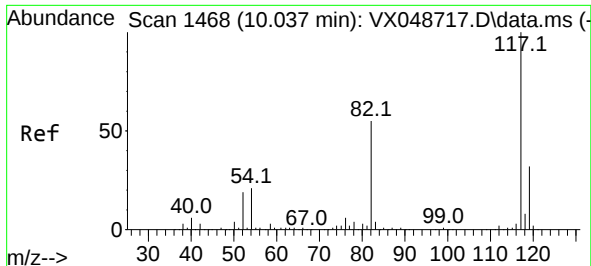
Tgt Ion: 98 Resp: 465280
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 56.102 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion: 95 Resp: 191359
Ion Ratio Lower Upper
95 100
174 77.9 0.0 157.8
176 75.0 0.0 154.0

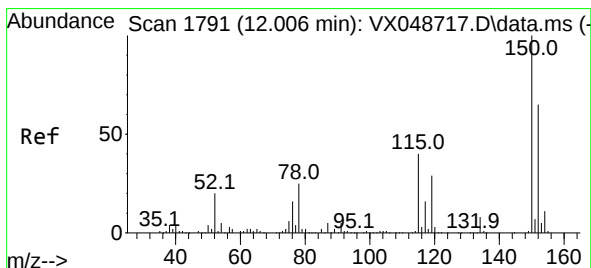
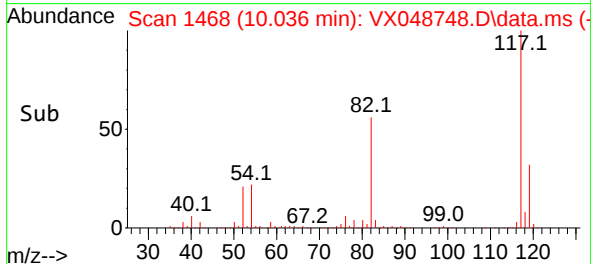
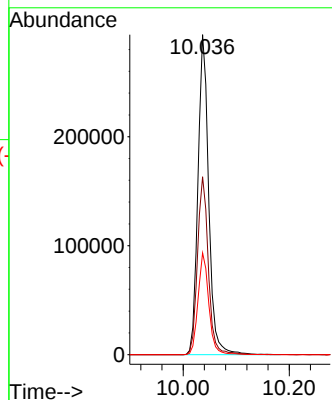
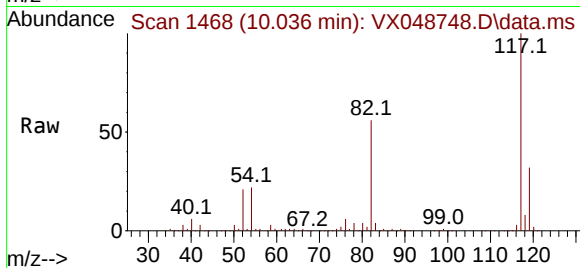




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

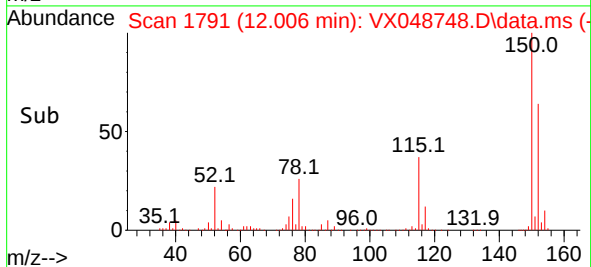
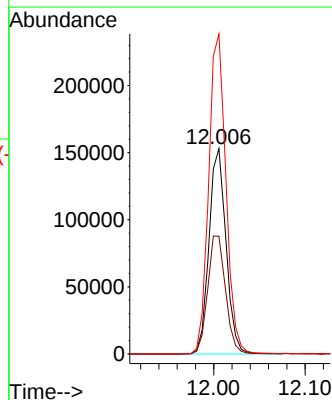
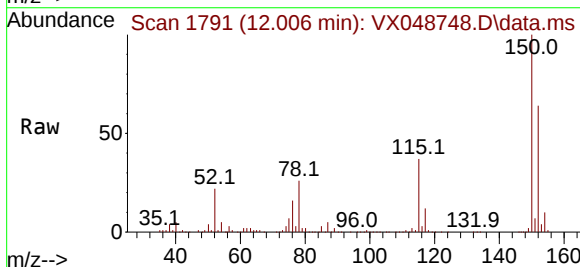
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

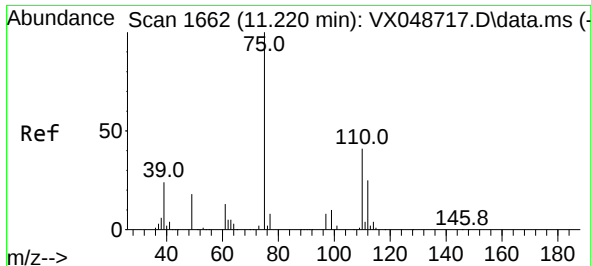
Tgt Ion:117 Resp: 413547
Ion Ratio Lower Upper
117 100
82 55.6 44.1 66.1
119 31.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion:152 Resp: 197728
Ion Ratio Lower Upper
152 100
115 60.2 42.1 126.4
150 157.5 0.0 347.8

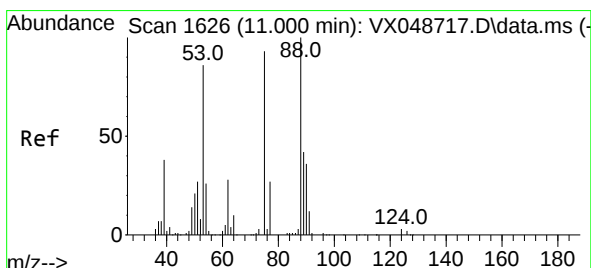
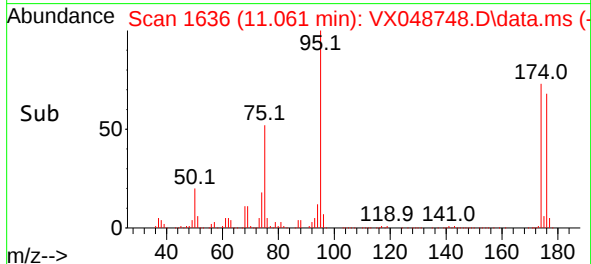
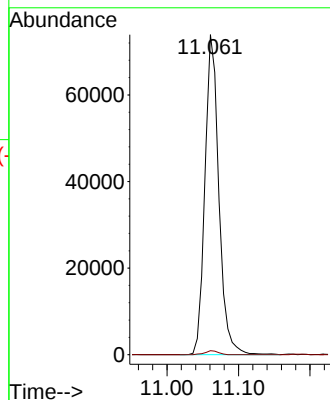
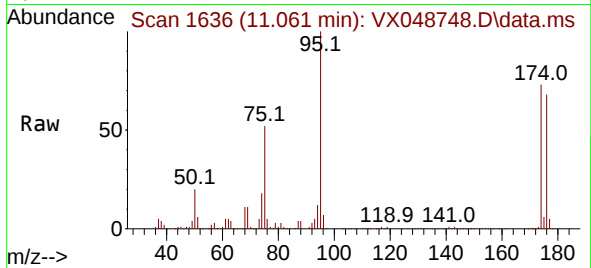




#76
1,2,3-Trichloropropane
Concen: 27.145 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

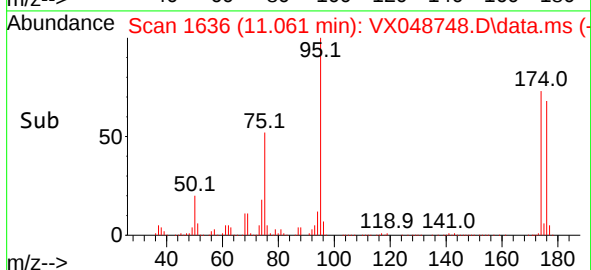
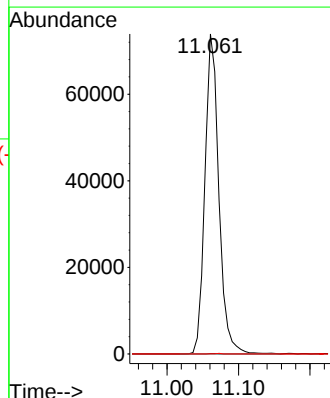
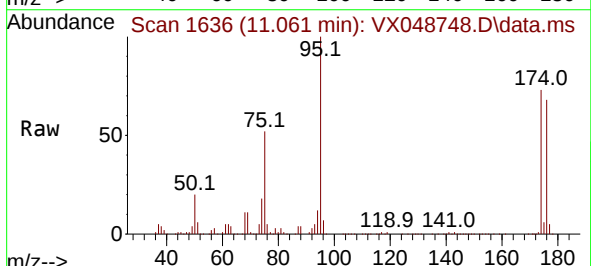
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

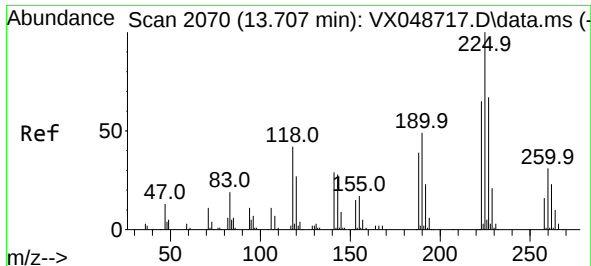
Tgt Ion: 75 Resp: 99967
Ion Ratio Lower Upper
75 100
77 1.2 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.479 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

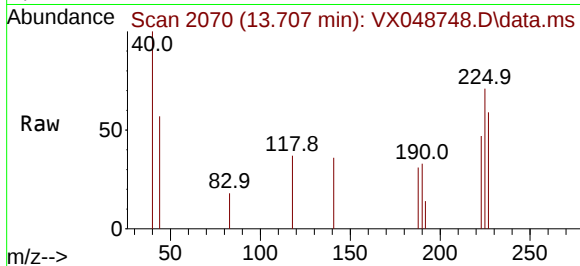
Tgt Ion: 75 Resp: 99967
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.1 67.1 100.7#



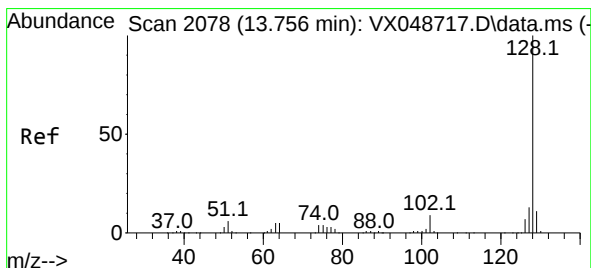
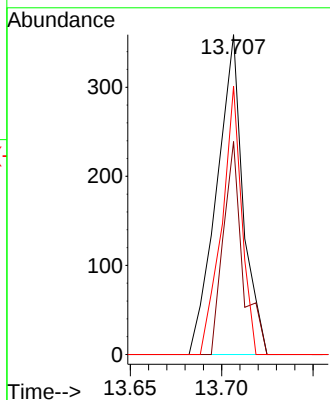
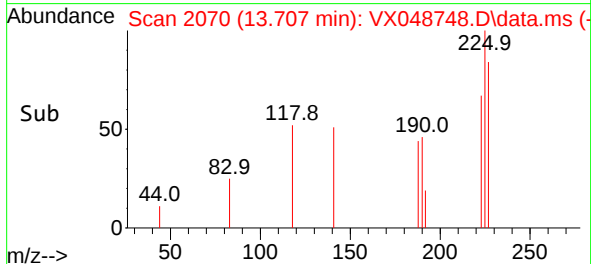


#94
Hexachlorobutadiene
Concen: 0.208 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

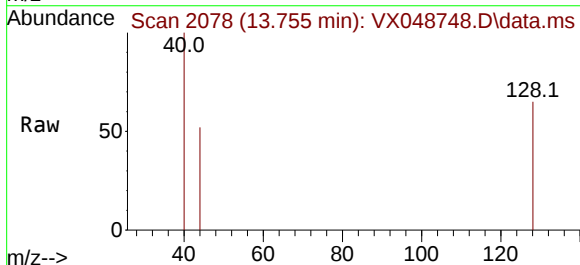
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE



Tgt Ion:	225	Resp:	361
Ion	Ratio	Lower	Upper
225	100		
223	48.5	33.0	98.9
227	63.2	32.9	98.7



#95
Naphthalene
Concen: Below Cal
RT: 13.755 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53



Tgt Ion:	128	Resp:	675
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

