

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
 Data File : VX048734.D
 Acq On : 05 Dec 2025 14:33
 Operator : JC/MD
 Sample : Q3757-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-05B-90.5-120325

Quant Time: Dec 05 22:05:03 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)

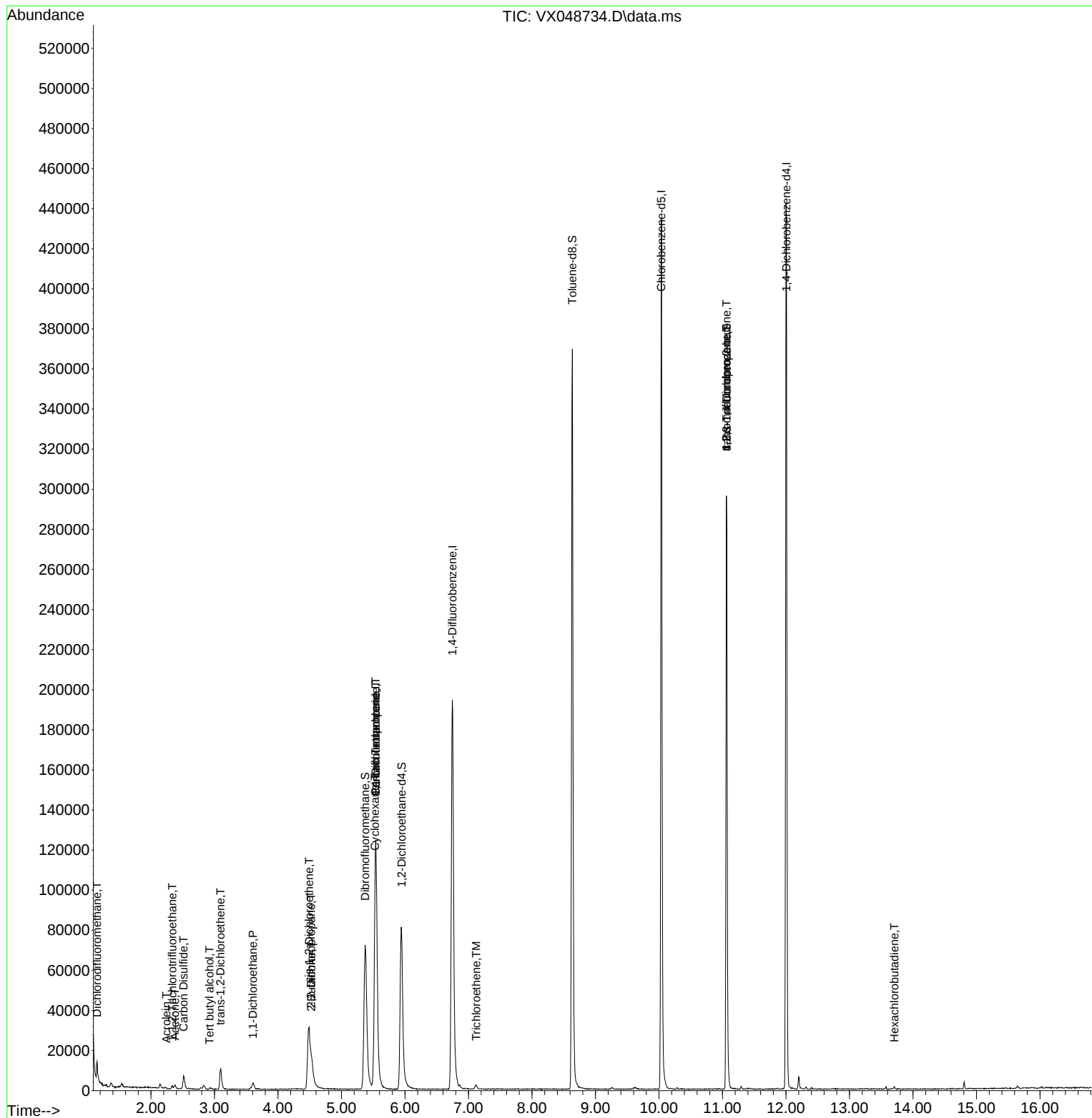
Internal Standards						
1) Pentafluorobenzene	5.538	168	132392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	222932	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	102583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	91135	51.288	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.580%
35) Dibromofluoromethane	5.373	113	72316	47.112	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.220%
50) Toluene-d8	8.635	98	236336	43.924	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	87.840%#
62) 4-Bromofluorobenzene	11.061	95	84945	45.783	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.560%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.148	85	755	0.560	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.337	101	558	0.370	ug/l #	83
11) Tert butyl alcohol	2.922	59	95	0.331	ug/l #	73
13) Acrolein	2.240	56	133	40.580	ug/l	88
16) Acetone	2.380	43	3009	4.423	ug/l #	87
17) Carbon Disulfide	2.514	76	1389	0.311	ug/l #	55
21) trans-1,2-Dichloroethene	3.093	96	5495	3.502	ug/l #	79
24) 1,1-Dichloroethane	3.605	63	3969	1.475	ug/l	97
25) 2-Butanone	4.526	43	529	0.527	ug/l #	46
26) 2,2-Dichloropropane	4.520	77	524	0.220	ug/l #	52
27) cis-1,2-Dichloroethene	4.489	96	23281	13.149	ug/l	90
31) Cyclohexane	5.526	56	2580	1.074	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10572	5.029	ug/l #	43
38) Carbon Tetrachloride	5.538	117	13344	5.604	ug/l #	14
44) Trichloroethene	7.123	130	1059	0.651	ug/l	91
76) 1,2,3-Trichloropropane	11.061	75	42214	22.094	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	42214	52.482	ug/l #	3
94) Hexachlorobutadiene	13.707	225	331	0.367	ug/l	85
95) Naphthalene	13.762	128	188	Below Cal	#	69

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

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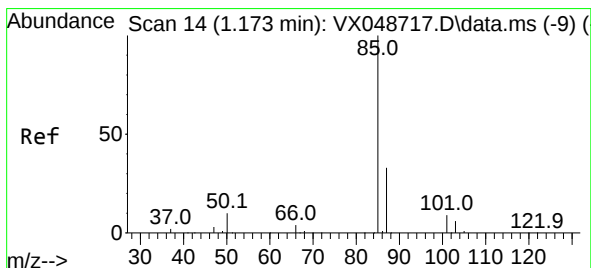
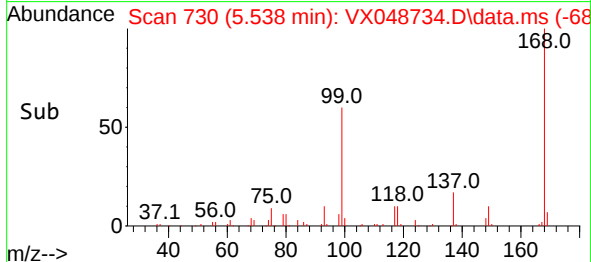
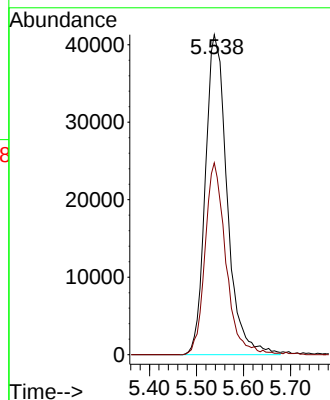
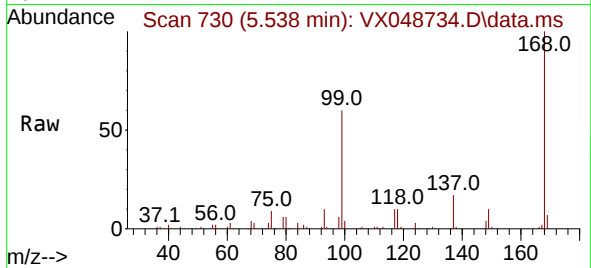




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

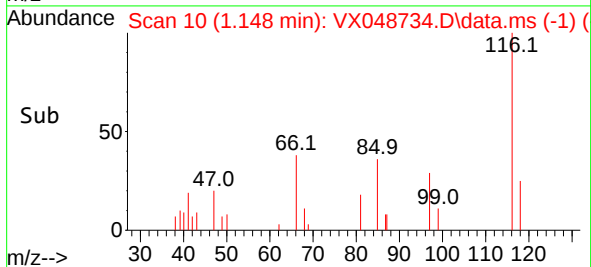
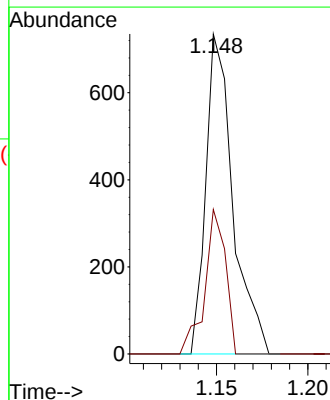
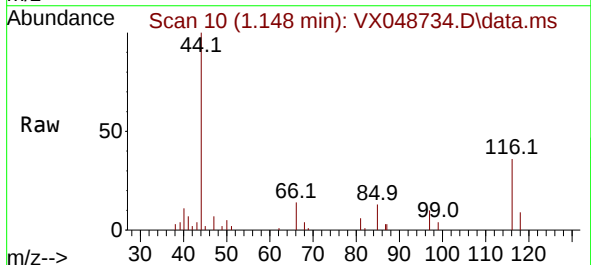
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

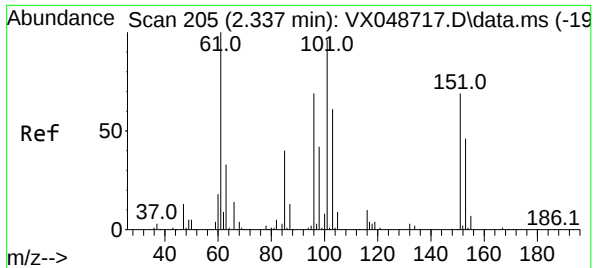
Tgt Ion:168 Resp: 132392
Ion Ratio Lower Upper
168 100
99 59.9 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 0.560 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.024 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 85 Resp: 755
Ion Ratio Lower Upper
85 100
87 45.2 16.4 49.1

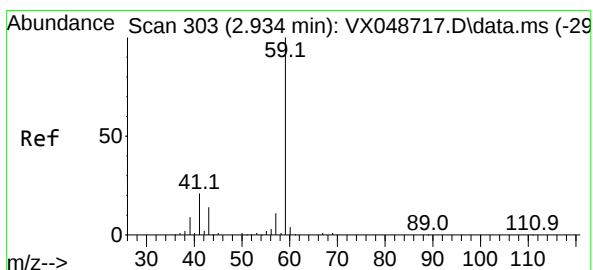
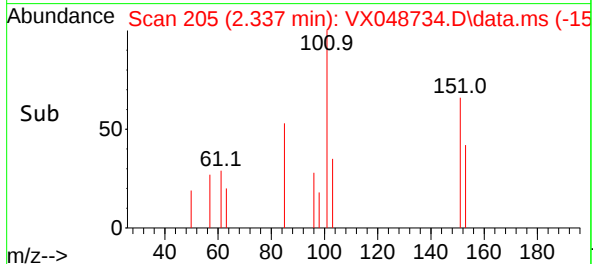
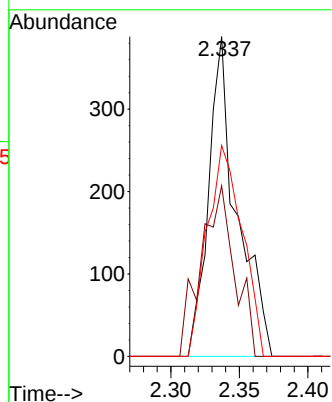
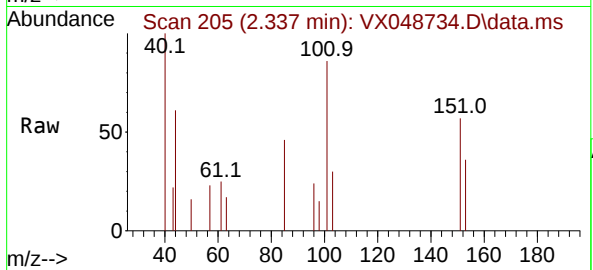




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.370 ug/l
RT: 2.337 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

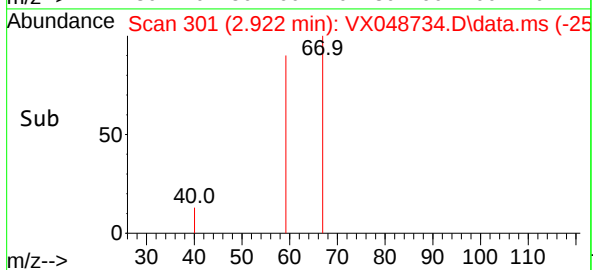
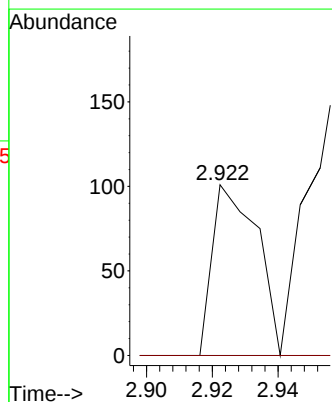
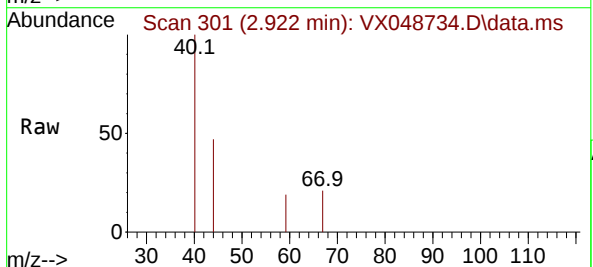
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

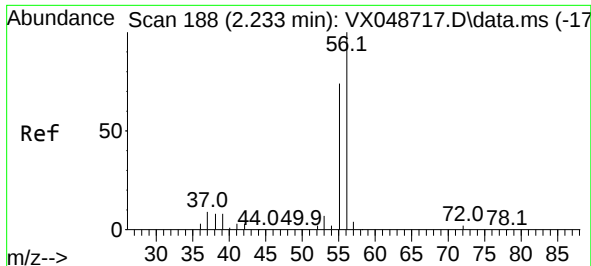
Tgt Ion:101 Resp: 558
Ion Ratio Lower Upper
101 100
85 64.0 34.2 51.2#
151 81.5 60.2 90.4



#11
Tert butyl alcohol
Concen: 0.331 ug/l
RT: 2.922 min Scan# 301
Delta R.T. -0.012 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

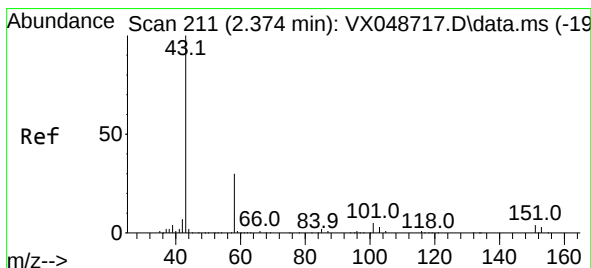
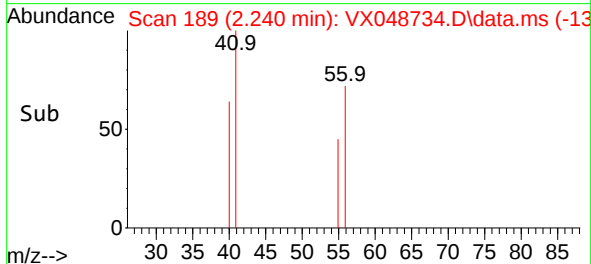
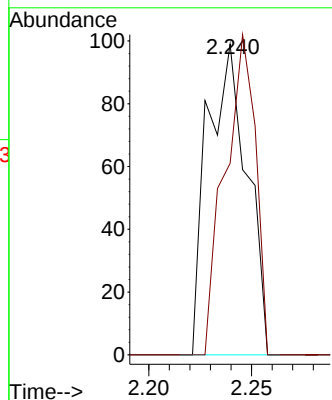
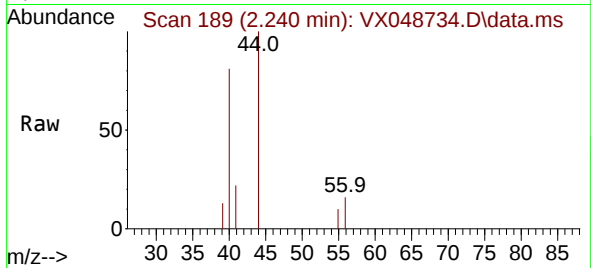




#13
Acrolein
Concen: 40.580 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

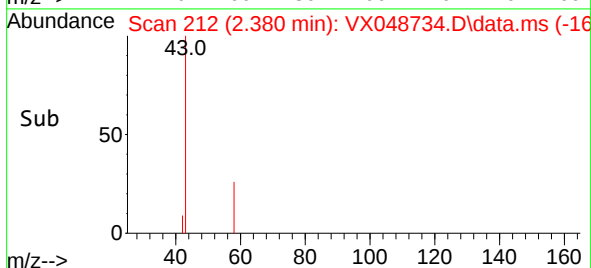
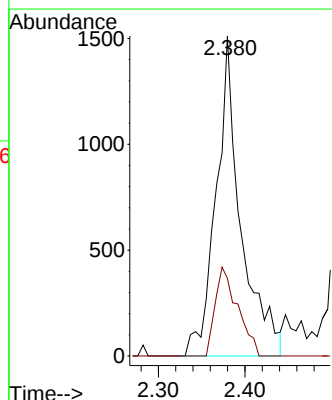
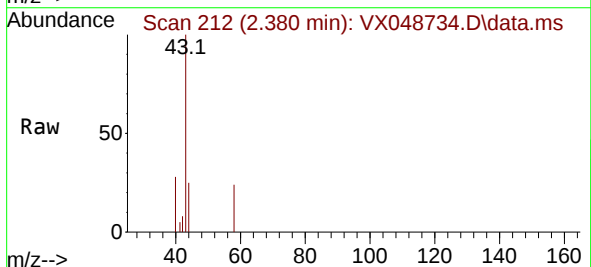
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

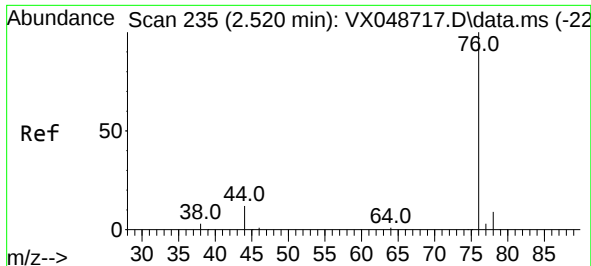
Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 79.7 55.8 83.6



#16
Acetone
Concen: 4.423 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 43 Resp: 3009
Ion Ratio Lower Upper
43 100
58 24.2 25.0 37.4#





#17

Carbon Disulfide

Concen: 0.311 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

Instrument :

MSVOA_X

ClientSampleId :

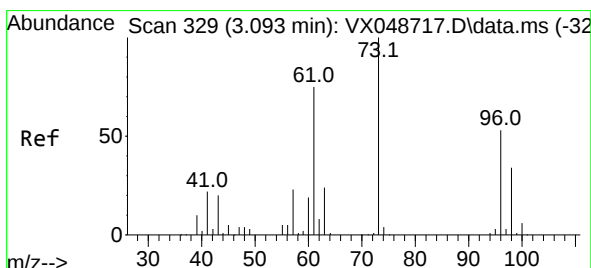
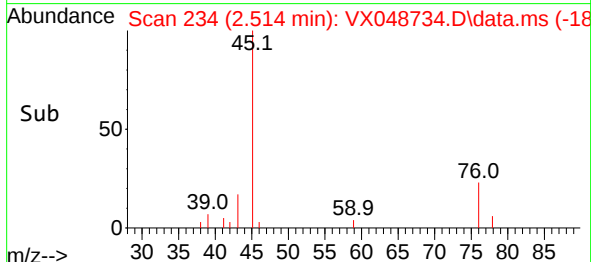
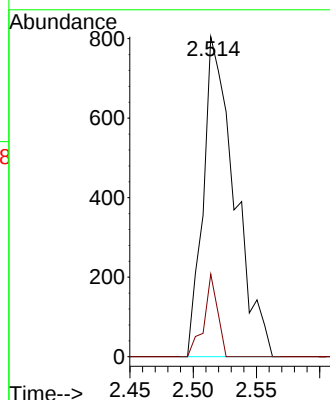
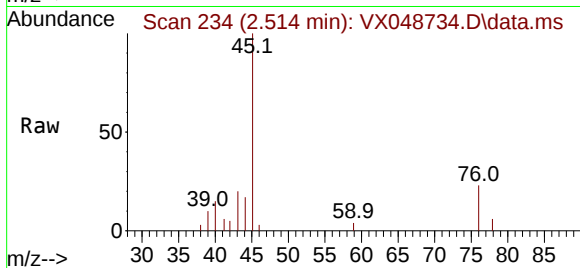
RMW-05B-90.5-120325

Tgt Ion: 76 Resp: 1389

Ion Ratio Lower Upper

76 100

78 25.8 7.4 11.2#



#21

trans-1,2-Dichloroethene

Concen: 3.502 ug/l

RT: 3.093 min Scan# 329

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

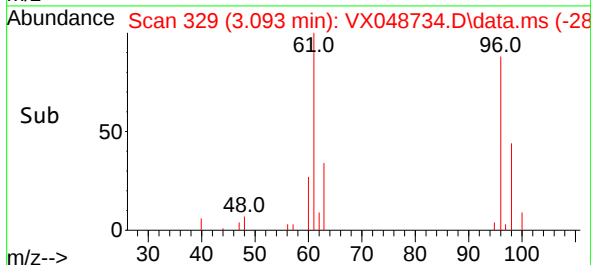
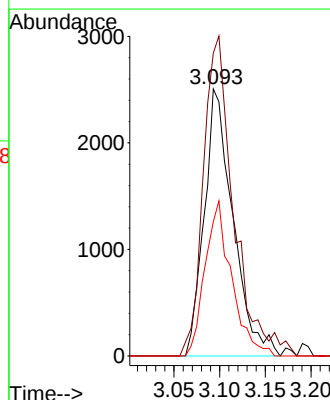
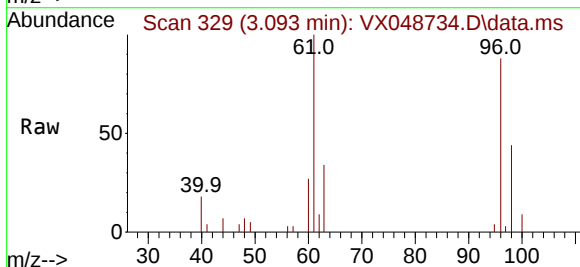
Tgt Ion: 96 Resp: 5495

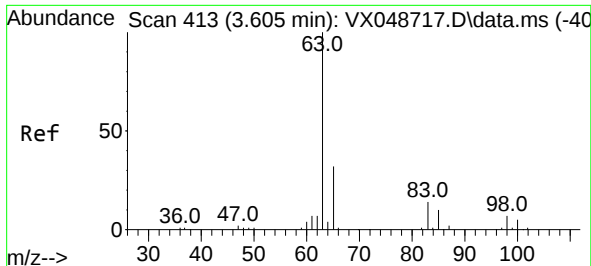
Ion Ratio Lower Upper

96 100

61 113.4 112.8 169.2

98 50.3 51.0 76.4#

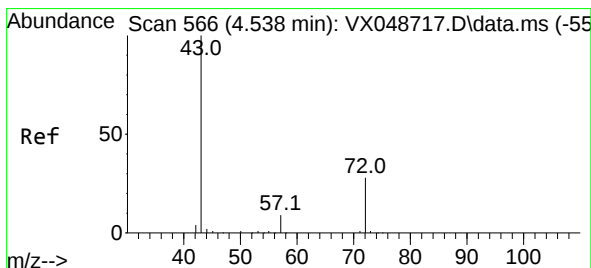
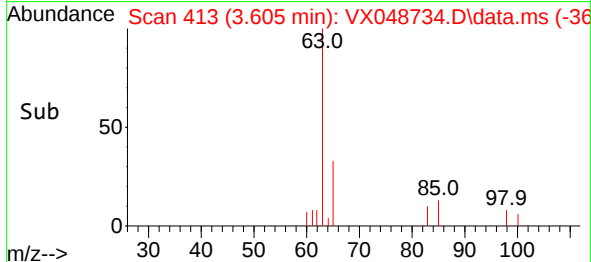
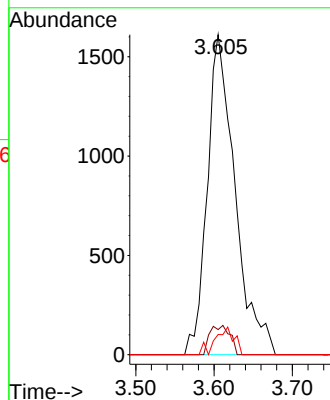
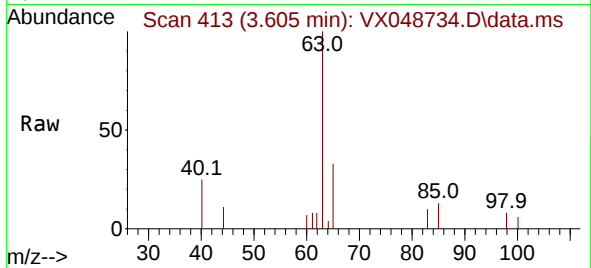




#24
 1,1-Dichloroethane
 Concen: 1.475 ug/l
 RT: 3.605 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX048734.D
 Acq: 05 Dec 2025 14:33

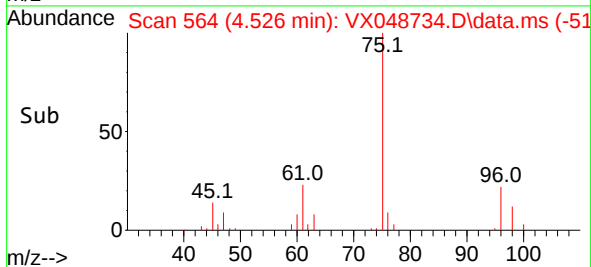
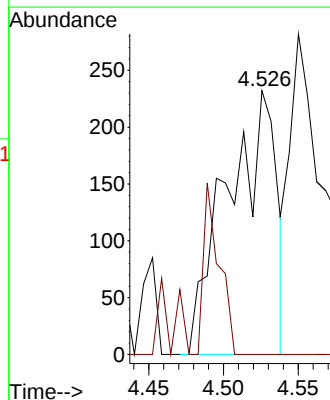
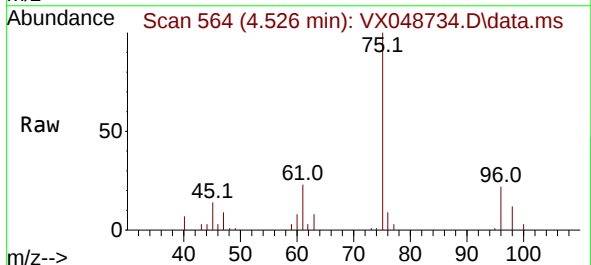
Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-05B-90.5-120325

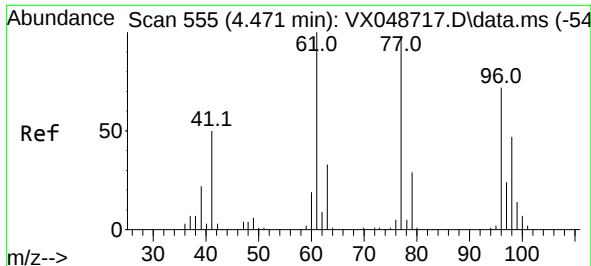
Tgt Ion:	63	Resp:	3969
Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.6
100	6.3	2.5	7.4



#25
 2-Butanone
 Concen: 0.527 ug/l
 RT: 4.526 min Scan# 564
 Delta R.T. -0.012 min
 Lab File: VX048734.D
 Acq: 05 Dec 2025 14:33

Tgt Ion:	43	Resp:	529
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#





#26

2,2-Dichloropropane

Concen: 0.220 ug/l

RT: 4.520 min Scan# 5

Delta R.T. 0.049 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

Instrument :

MSVOA_X

ClientSampleId :

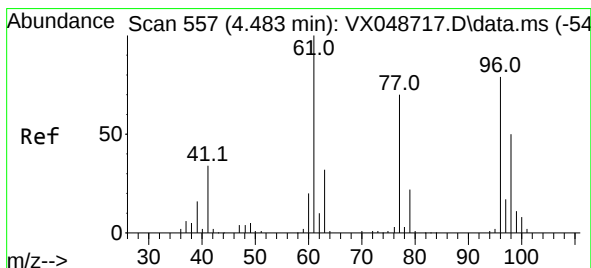
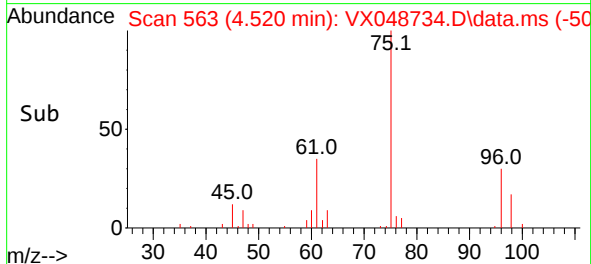
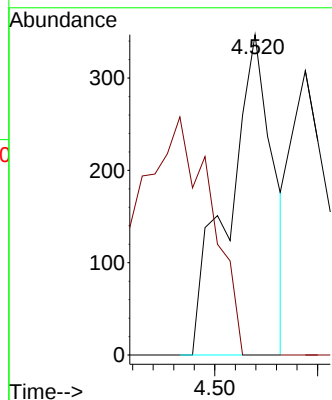
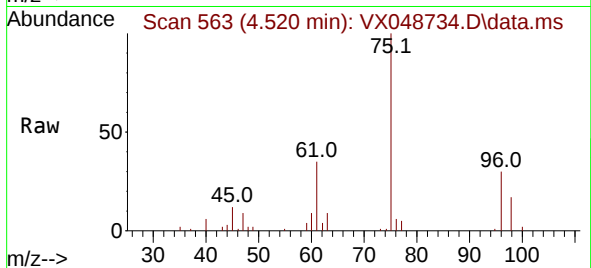
RMW-05B-90.5-120325

Tgt Ion: 77 Resp: 524

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#27

cis-1,2-Dichloroethene

Concen: 13.149 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

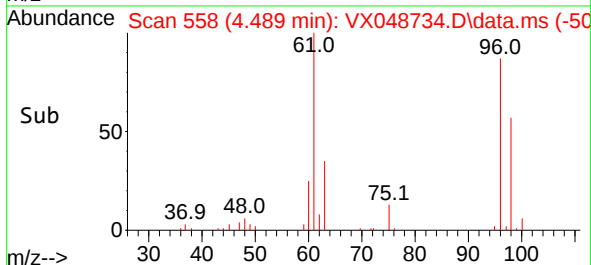
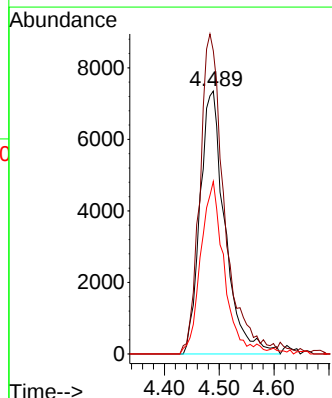
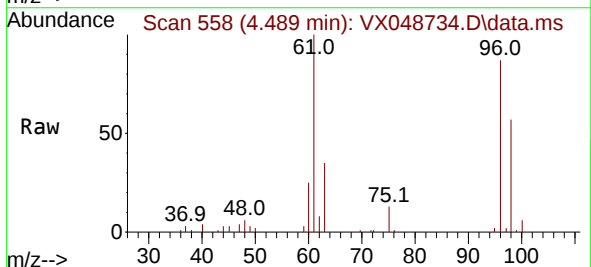
Tgt Ion: 96 Resp: 23281

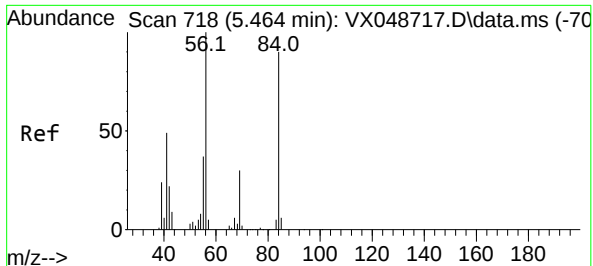
Ion Ratio Lower Upper

96 100

61 119.9 0.0 271.0

98 61.8 0.0 130.2

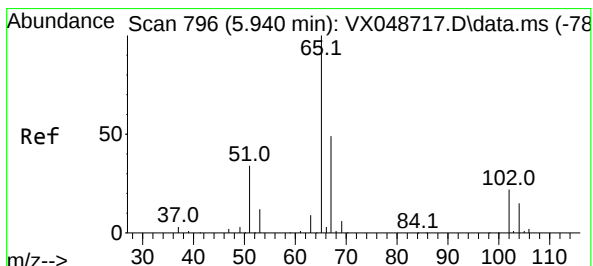
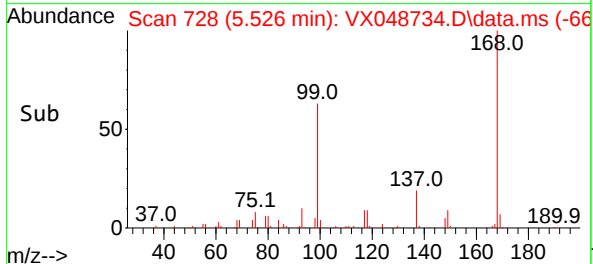
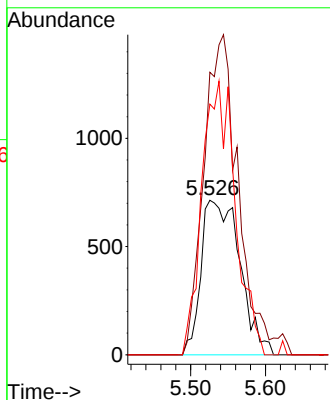
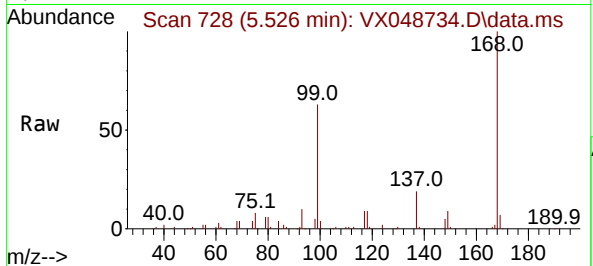




#31
Cyclohexane
Concen: 1.074 ug/l
RT: 5.526 min Scan# 718
Delta R.T. 0.061 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

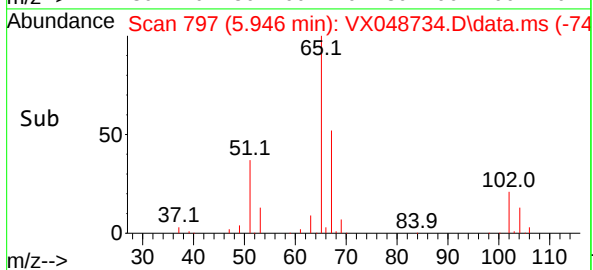
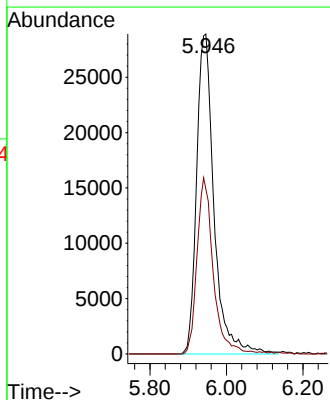
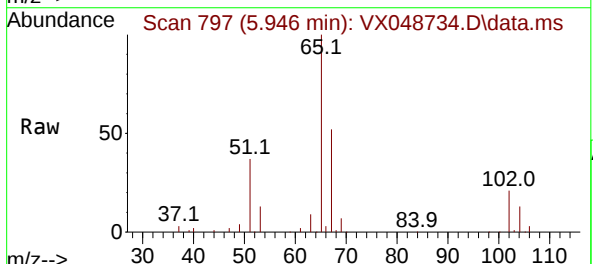
Instrument :
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RMW-05B-90.5-120325

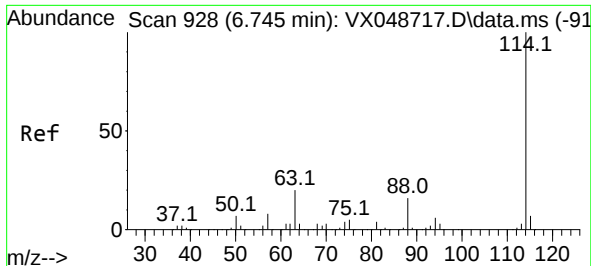
Tgt Ion: 56 Resp: 2580
Ion Ratio Lower Upper
56 100
69 182.8 24.2 36.2#
84 162.2 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 51.288 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 65 Resp: 91135
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.4

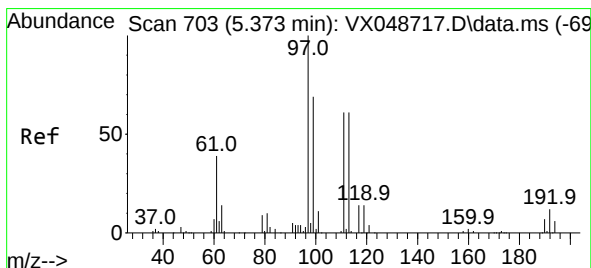
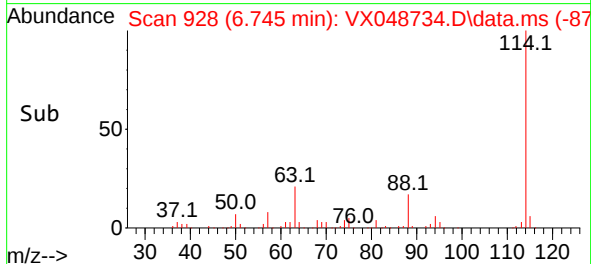
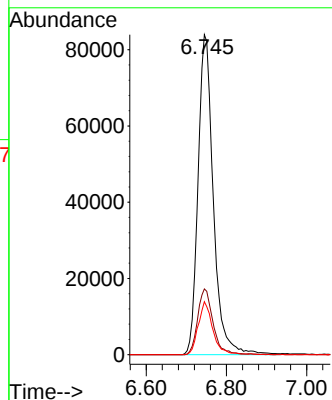
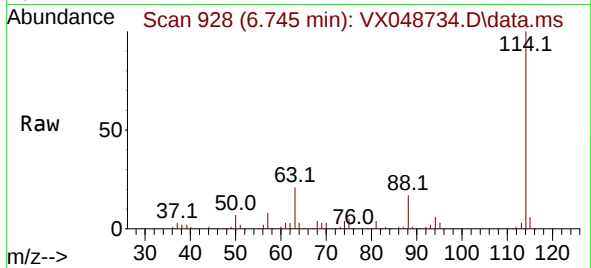




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

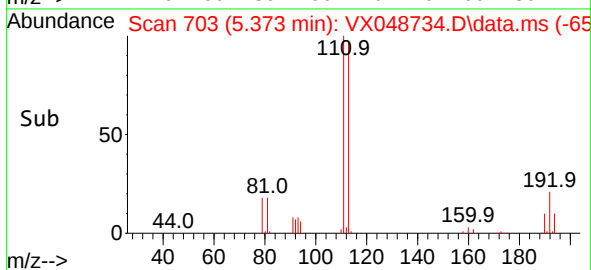
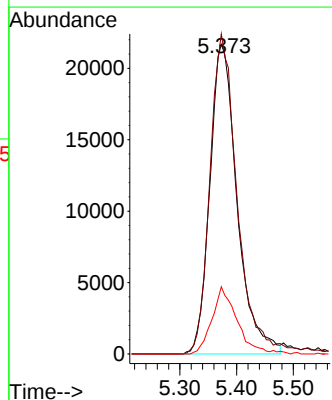
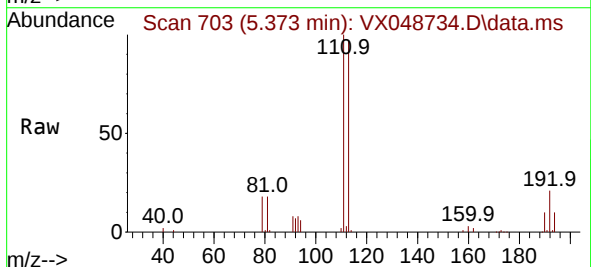
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

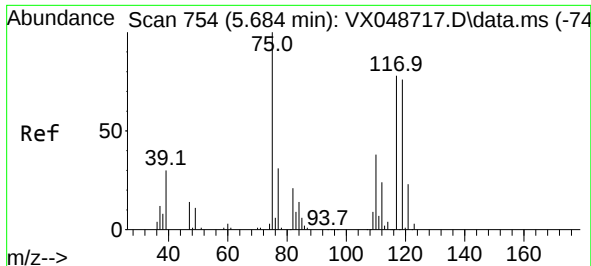
Tgt Ion:114 Resp: 222932
Ion Ratio Lower Upper
114 100
63 20.6 0.0 39.0
88 16.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.112 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion:113 Resp: 72316
Ion Ratio Lower Upper
113 100
111 103.5 79.5 119.3
192 19.6 16.1 24.1

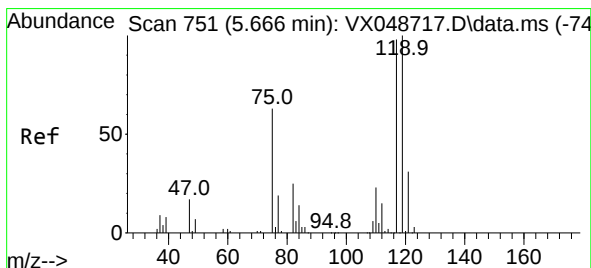
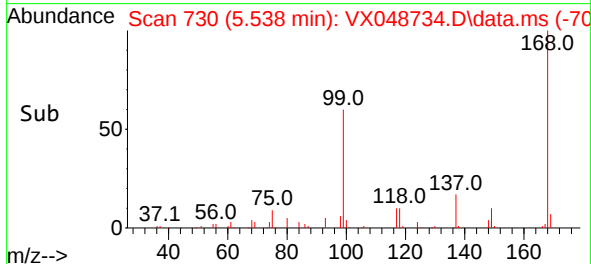
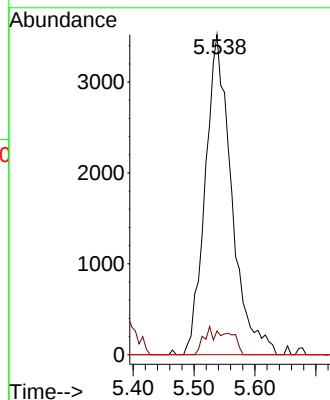
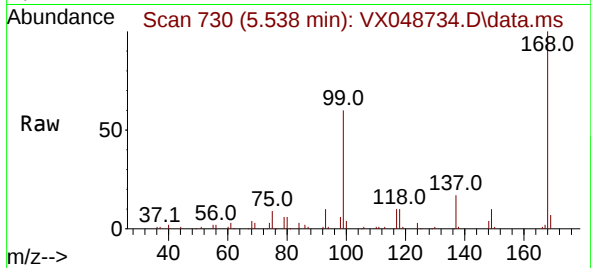




#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 5.538 min Scan# 710
Delta R.T. -0.146 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

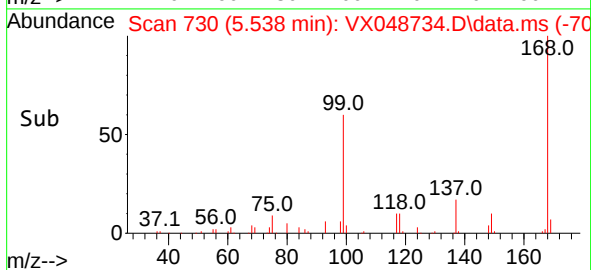
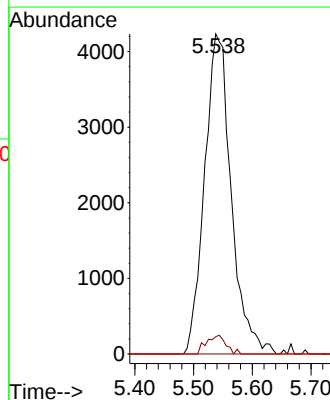
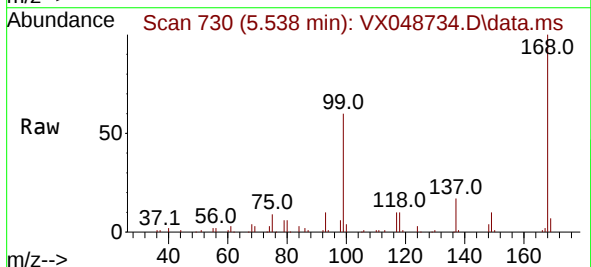
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

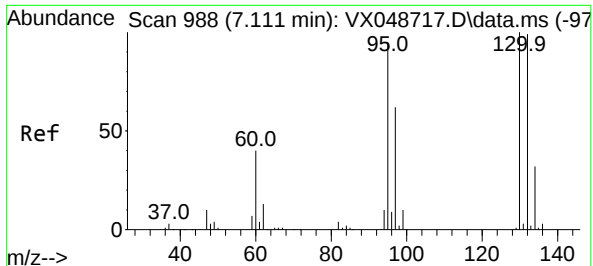
Tgt Ion: 75 Resp: 10572
Ion Ratio Lower Upper
75 100
110 3.1 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.604 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 117 Resp: 13344
Ion Ratio Lower Upper
117 100
119 5.4 80.5 120.7#
121 0.0 25.4 38.0#

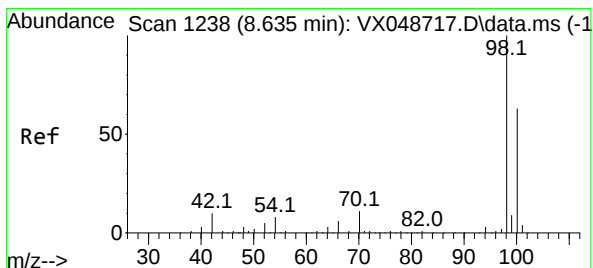
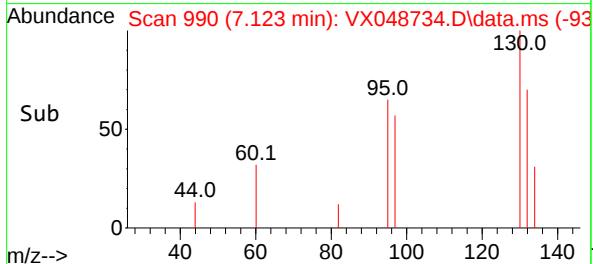
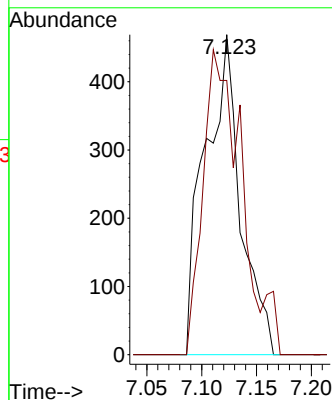
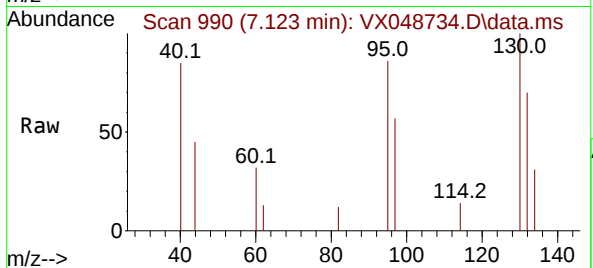




#44
Trichloroethene
Concen: 0.651 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

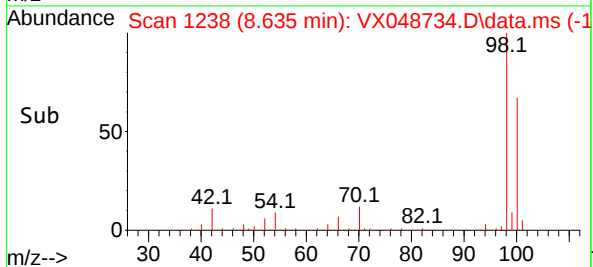
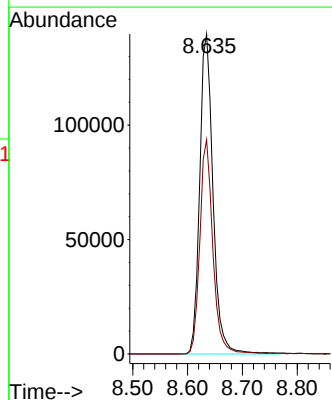
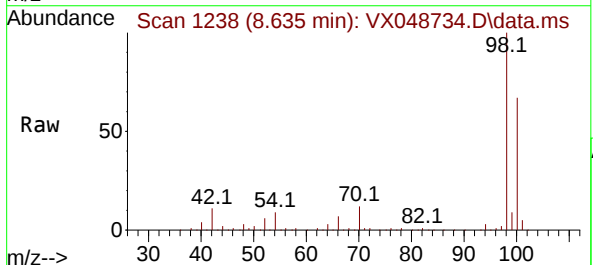
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

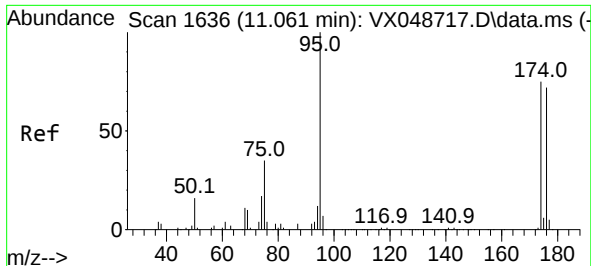
Tgt Ion:130 Resp: 1059
Ion Ratio Lower Upper
130 100
95 85.7 0.0 189.6



#50
Toluene-d8
Concen: 43.924 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 98 Resp: 236336
Ion Ratio Lower Upper
98 100
100 65.4 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 45.783 ug/l

RT: 11.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

Instrument :

MSVOA_X

ClientSampleId :

RMW-05B-90.5-120325

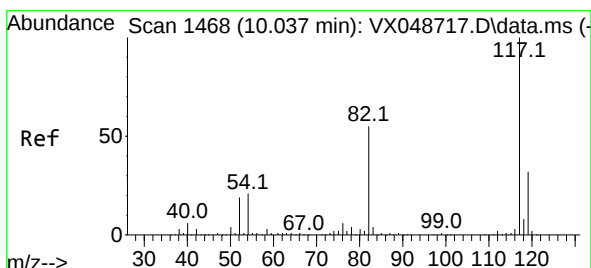
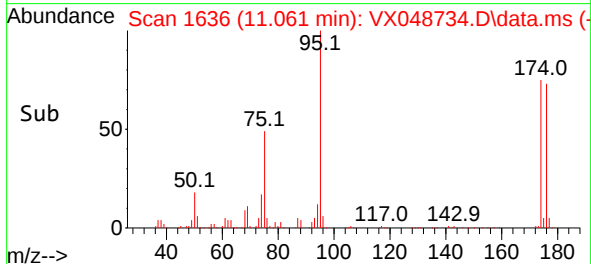
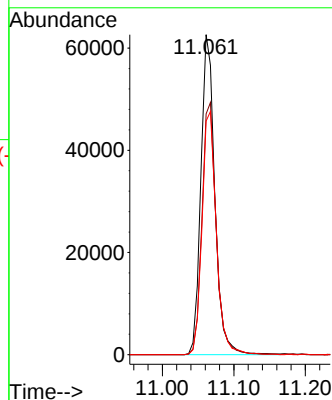
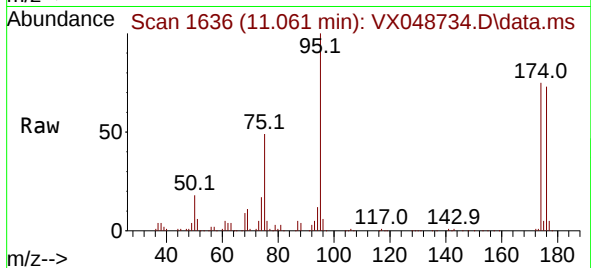
Tgt Ion: 95 Resp: 84945

Ion Ratio Lower Upper

95 100

174 80.1 0.0 157.8

176 78.0 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: VX048734.D

Acq: 05 Dec 2025 14:33

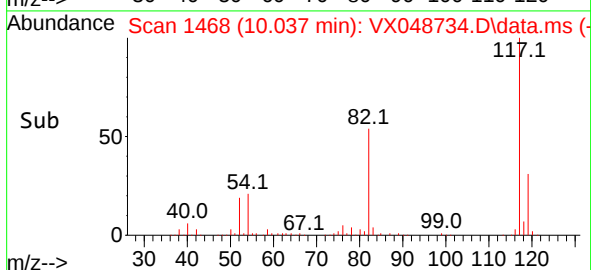
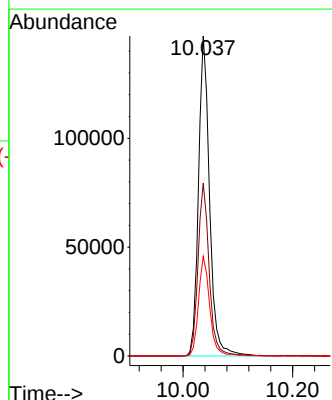
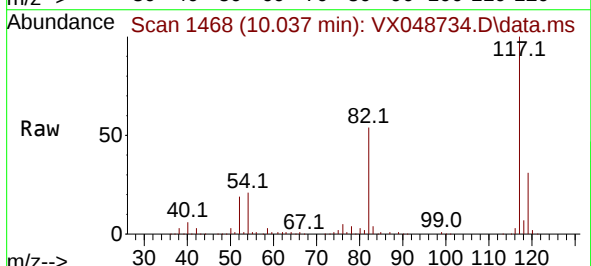
Tgt Ion: 117 Resp: 207009

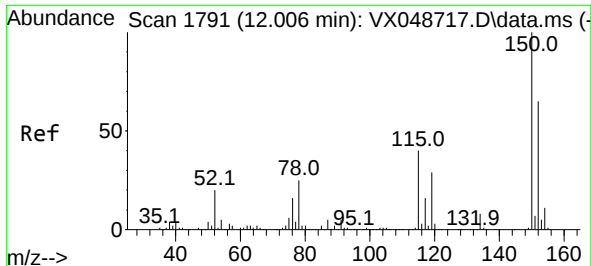
Ion Ratio Lower Upper

117 100

82 54.0 44.1 66.1

119 31.1 25.2 37.8

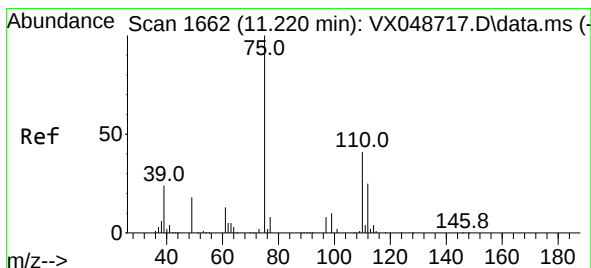
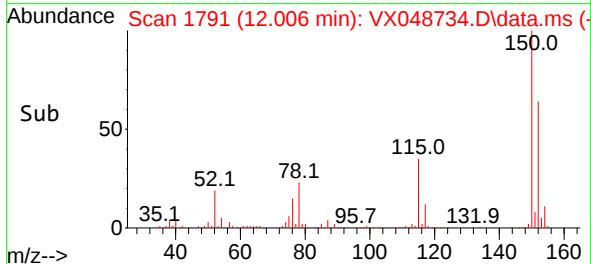
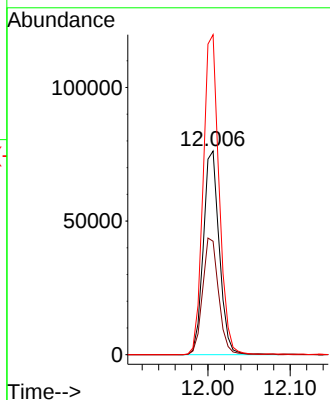
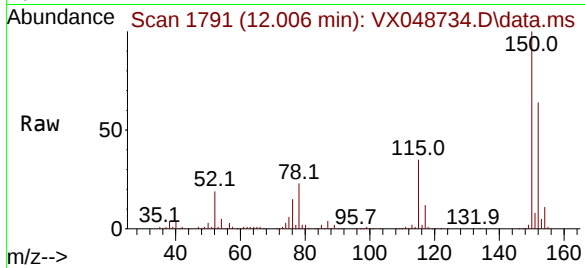




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048734.D
 Acq: 05 Dec 2025 14:33

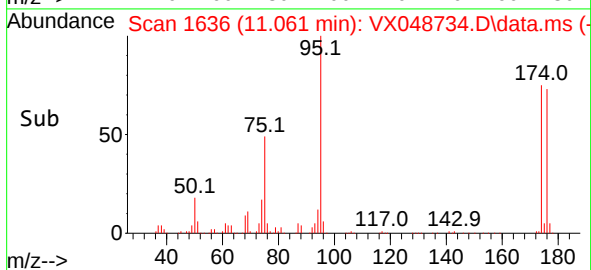
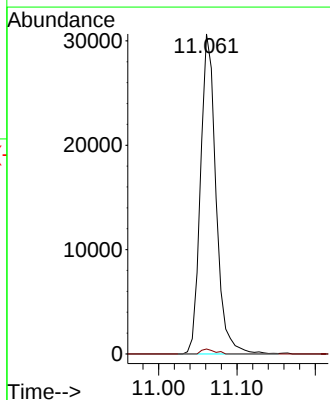
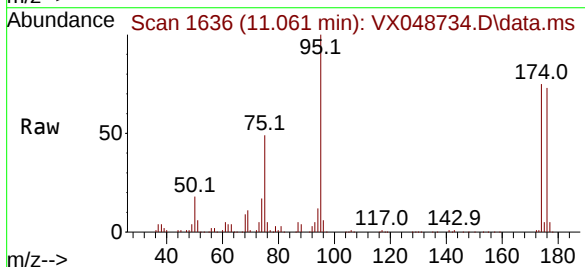
Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-05B-90.5-120325

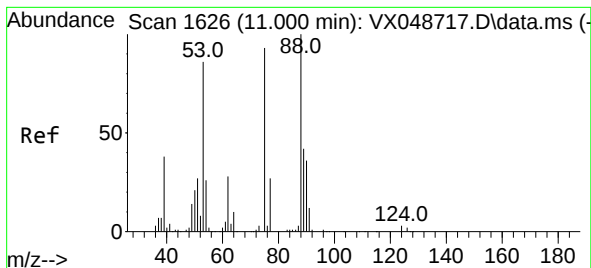
Tgt Ion:152 Resp: 102583
 Ion Ratio Lower Upper
 152 100
 115 57.5 42.1 126.4
 150 156.8 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 22.094 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX048734.D
 Acq: 05 Dec 2025 14:33

Tgt Ion: 75 Resp: 42214
 Ion Ratio Lower Upper
 75 100
 77 1.3 24.3 73.0#

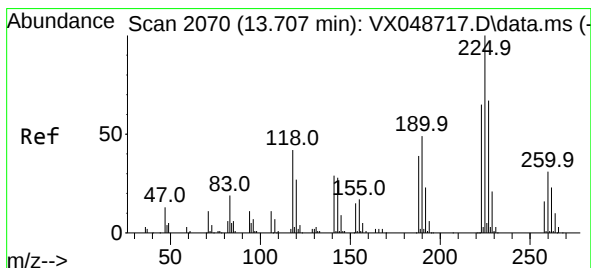
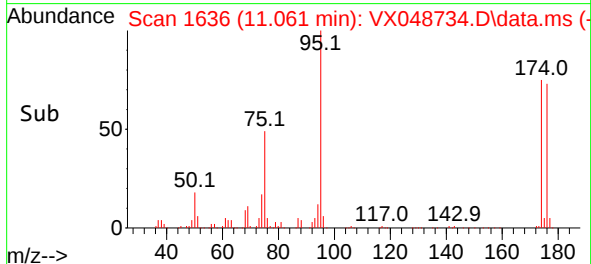
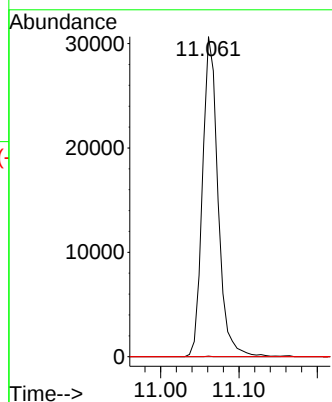
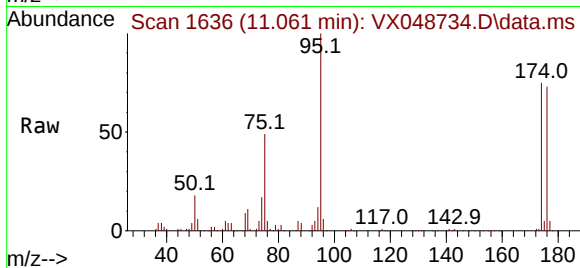




#81
trans-1,4-Dichloro-2-butene
Concen: 52.482 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

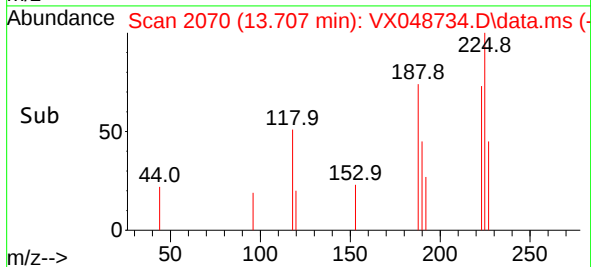
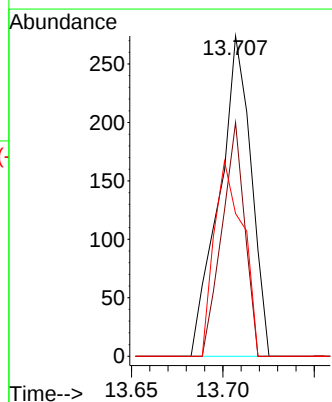
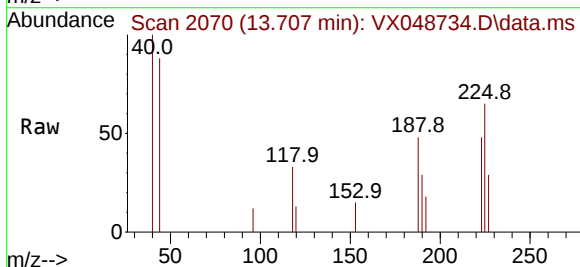
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

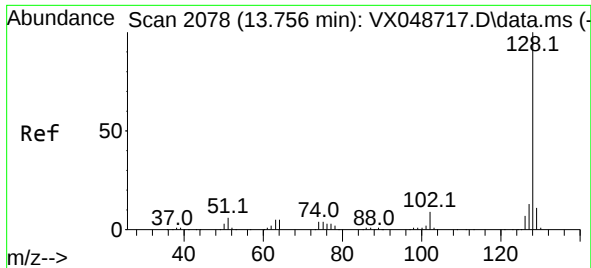
Tgt Ion: 75 Resp: 42214
Ion Ratio Lower Upper
75 100
53 0.1 79.9 119.9#
89 0.0 67.1 100.7#



#94
Hexachlorobutadiene
Concen: 0.367 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 225 Resp: 331
Ion Ratio Lower Upper
225 100
223 52.3 33.0 98.9
227 55.0 32.9 98.7





#95

Naphthalene

Concen: Below Cal

RT: 13.762 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX048734.D

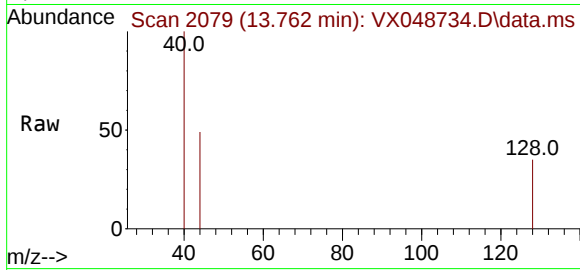
Acq: 05 Dec 2025 14:33

Instrument :

MSVOA_X

ClientSampleId :

RMW-05B-90.5-120325



Tgt Ion:128 Resp: 188

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 13.0#

