

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048849.D
 Acq On : 12 Dec 2025 13:09
 Operator : JC/MD
 Sample : Q3835-04DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-37.5-121025DL

Quant Time: Dec 12 22:12:12 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)

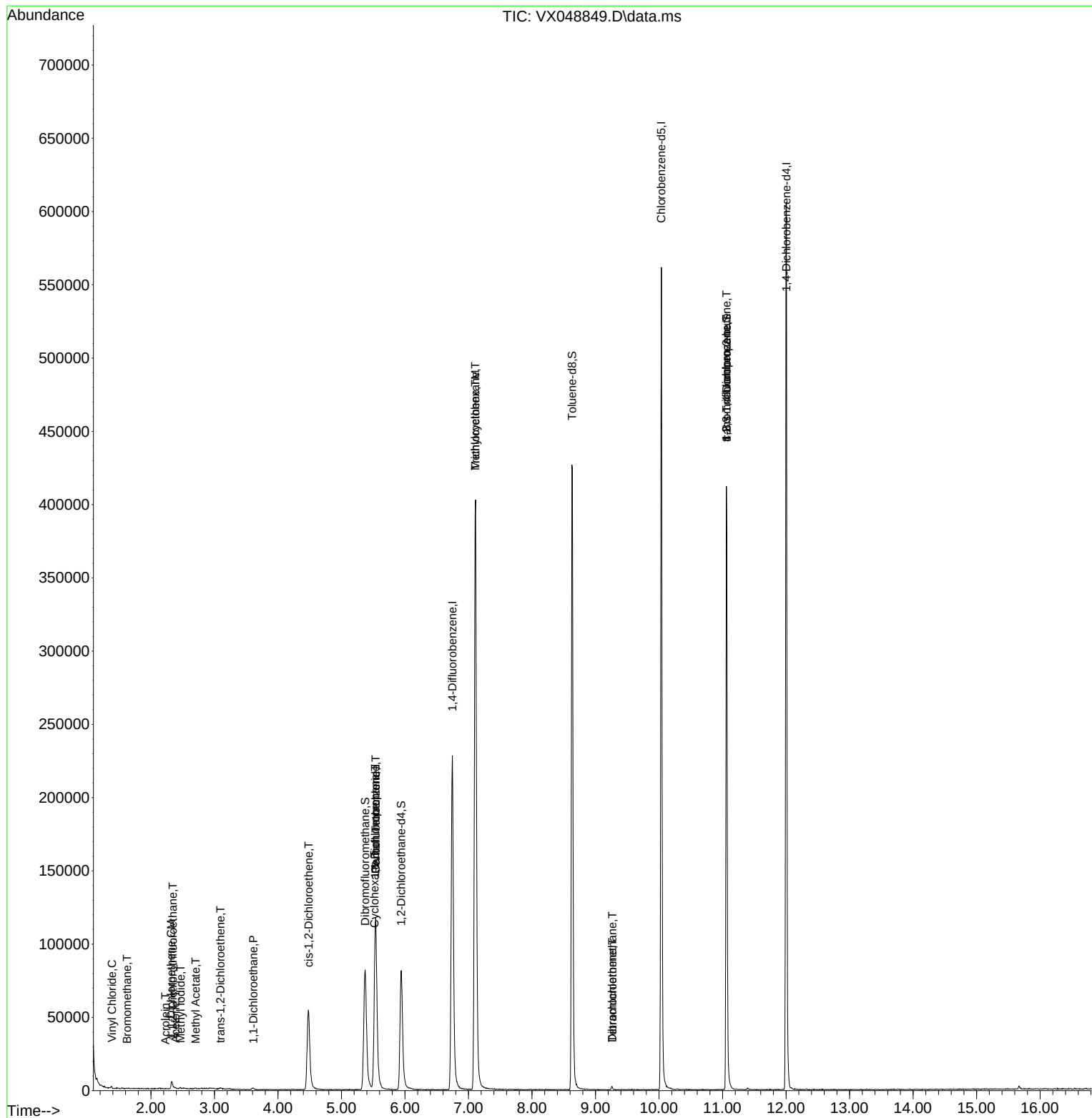
Internal Standards						
1) Pentafluorobenzene	5.537	168	120522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	248427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	265146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	89181	55.131	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.260%
35) Dibromofluoromethane	5.373	113	81291	47.524	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.040%
50) Toluene-d8	8.628	98	282710	47.151	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.300%
62) 4-Bromofluorobenzene	11.061	95	118269	57.202	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.400%
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.386	62	434	0.263	ug/l	94
5) Bromomethane	1.623	94	235	0.230	ug/l #	54
9) 1,1,2-Trichlorotrifluo...	2.343	101	472	0.344	ug/l	94
10) Methyl Iodide	2.465	142	624	0.320	ug/l #	91
12) 1,1-Dichloroethene	2.318	96	1616	1.155	ug/l #	89
13) Acrolein	2.227	56	44	40.324	ug/l #	1
16) Acetone	2.386	43	1295	2.091	ug/l	99
18) Methyl Acetate	2.703	43	577	0.331	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	373	0.261	ug/l #	81
24) 1,1-Dichloroethane	3.611	63	1738	0.710	ug/l #	82
27) cis-1,2-Dichloroethene	4.483	96	39020	24.209	ug/l	96
31) Cyclohexane	5.519	56	1335	0.611	ug/l #	35
36) 1,1-Dichloropropene	5.531	75	9517	4.062	ug/l #	47
38) Carbon Tetrachloride	5.537	117	12142	4.575	ug/l #	14
39) Methylcyclohexane	7.104	83	2020	0.729	ug/l #	1
44) Trichloroethene	7.104	130	172748	95.327	ug/l	95
60) Dibromochloromethane	9.262	129	506	0.243	ug/l #	11
64) Tetrachloroethene	9.262	164	559	0.289	ug/l #	66
76) 1,2,3-Trichloropropane	11.061	75	59419	22.709	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	59419	53.942	ug/l #	3
95) Naphthalene	13.768	128	316	Below Cal	#	69

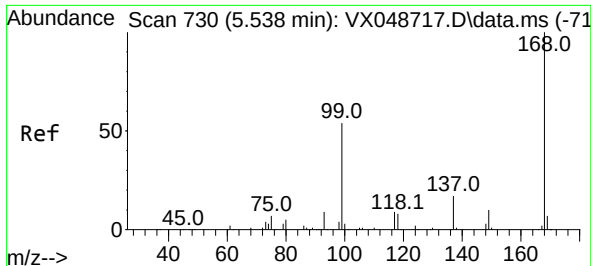
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
Data File : VX048849.D
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Sample : Q3835-04DL 100X
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Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL

Quant Time: Dec 12 22:12:12 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

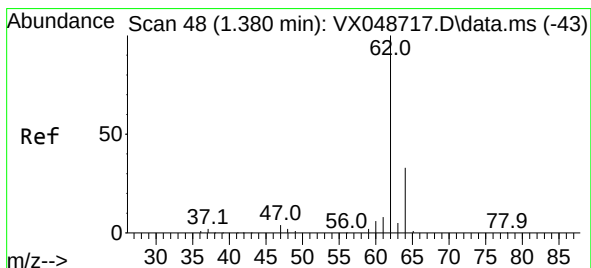
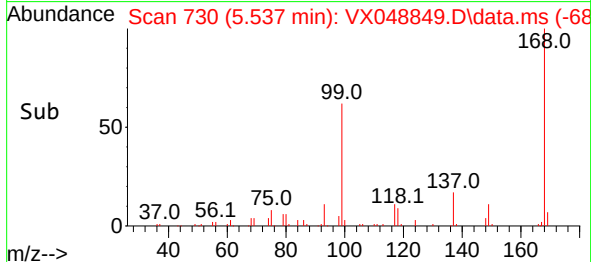
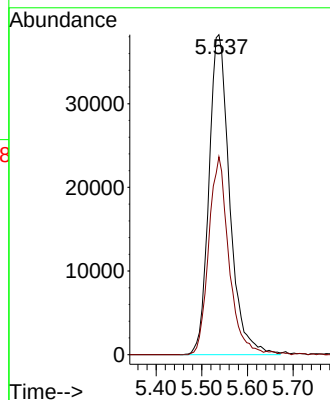
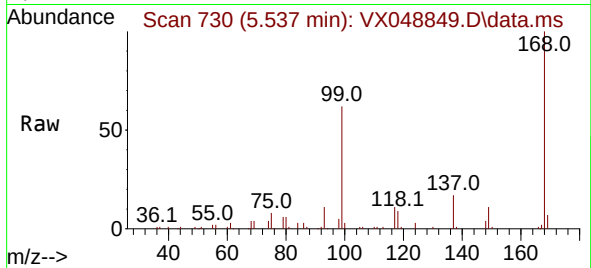




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

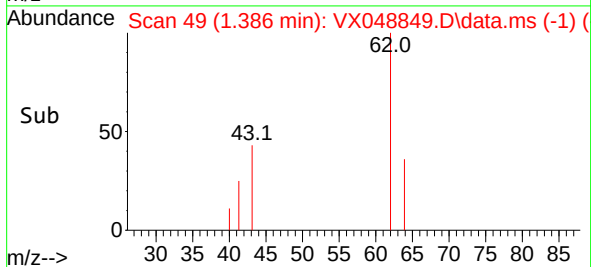
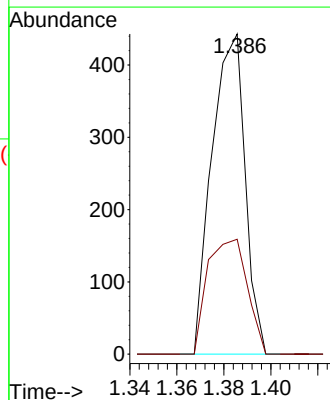
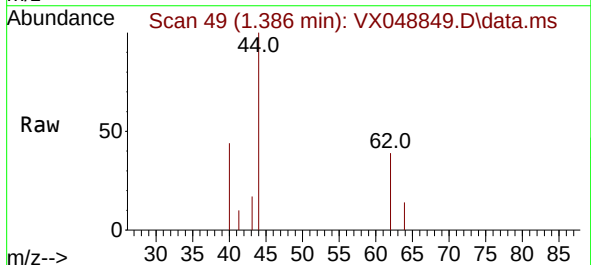
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL

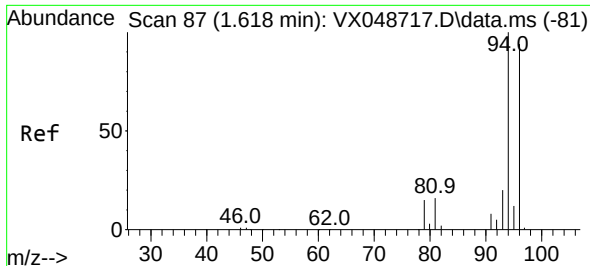
Tgt Ion:168 Resp: 120522
Ion Ratio Lower Upper
168 100
99 61.8 44.2 66.4



#4
Vinyl Chloride
Concen: 0.263 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Tgt Ion: 62 Resp: 434
Ion Ratio Lower Upper
62 100
64 35.9 26.0 39.0

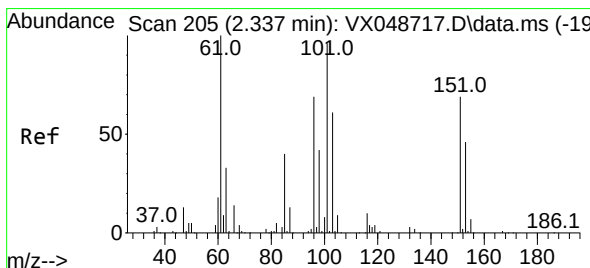
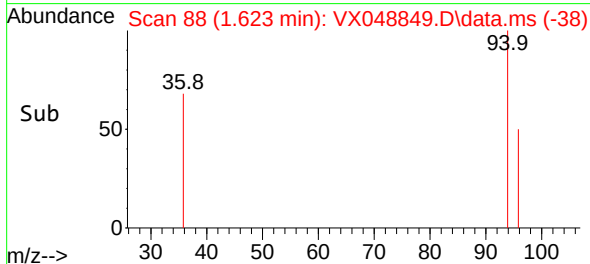
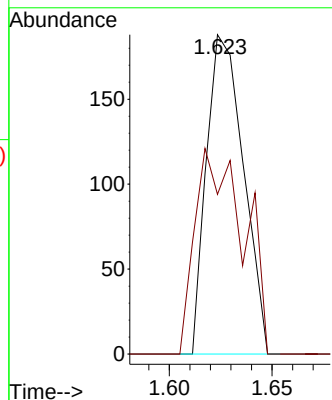
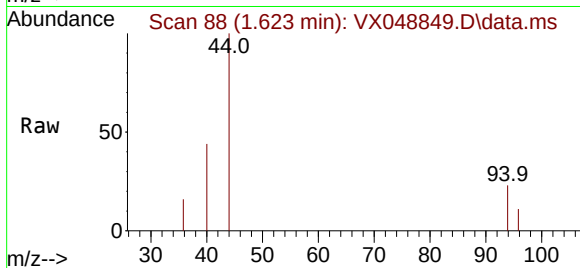




#5
Bromomethane
Concen: 0.230 ug/l
RT: 1.623 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

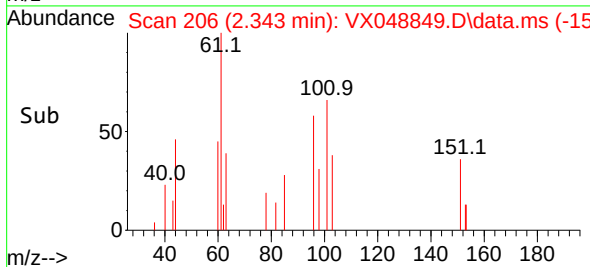
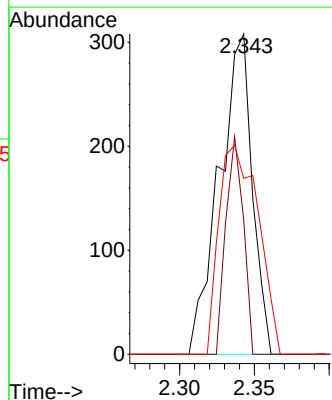
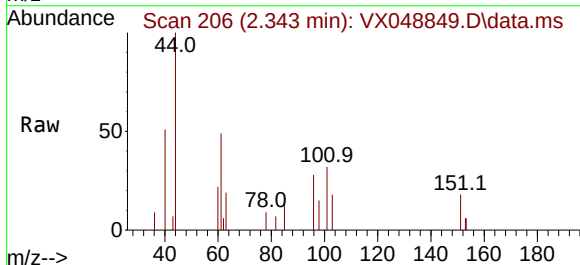
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL

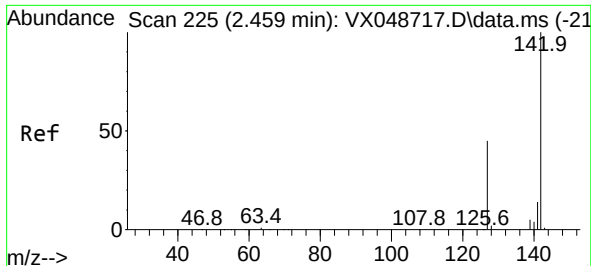
Tgt Ion: 94 Resp: 235
Ion Ratio Lower Upper
94 100
96 50.0 75.2 112.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.344 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Tgt Ion: 101 Resp: 472
Ion Ratio Lower Upper
101 100
85 36.0 34.2 51.2
151 78.0 60.2 90.4

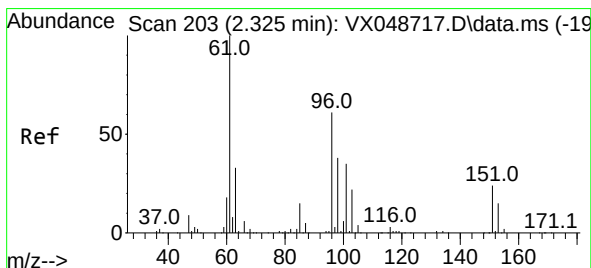
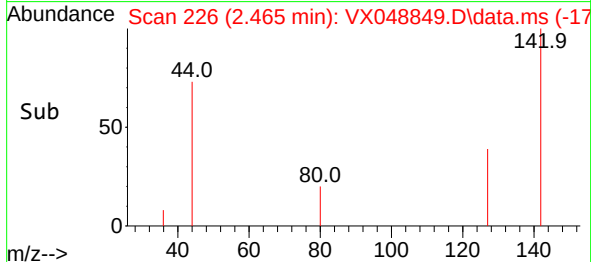
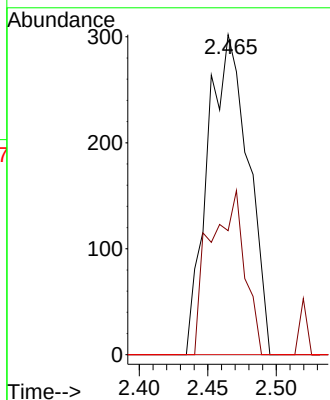
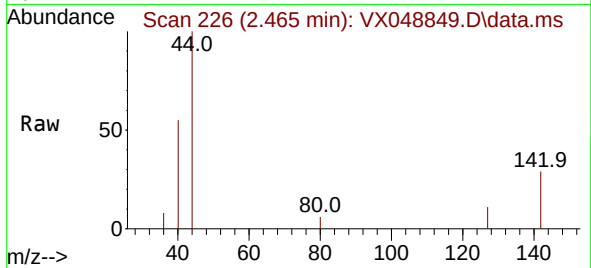




#10
Methyl Iodide
Concen: 0.320 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

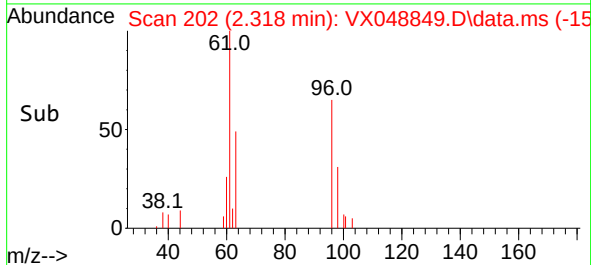
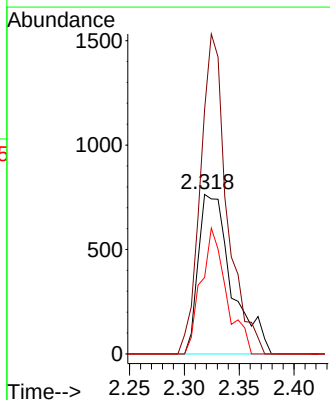
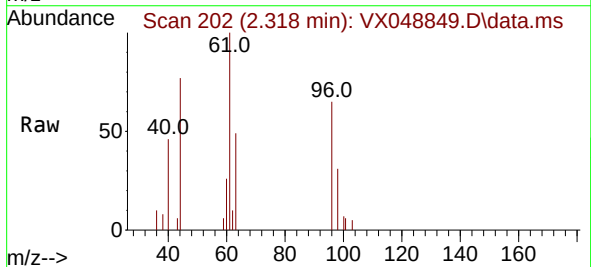
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL

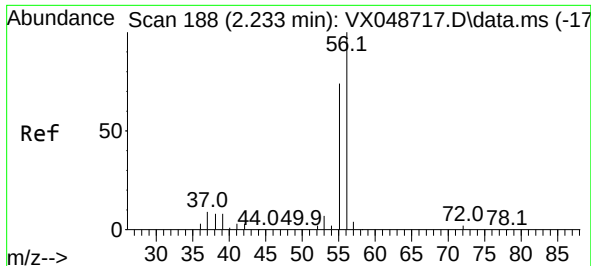
Tgt Ion:142 Resp: 624
Ion Ratio Lower Upper
142 100
127 43.6 35.8 53.6
141 0.0 11.1 16.7#



#12
1,1-Dichloroethene
Concen: 1.155 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Tgt Ion: 96 Resp: 1616
Ion Ratio Lower Upper
96 100
61 153.1 130.7 196.1
98 47.9 49.8 74.8#

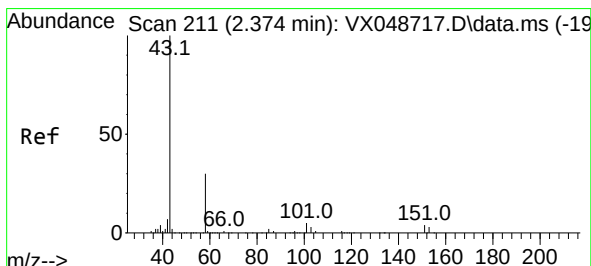
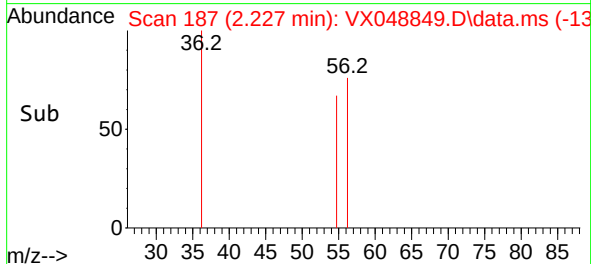
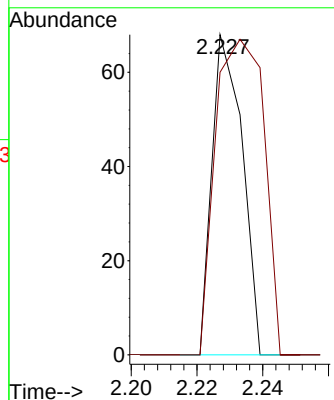
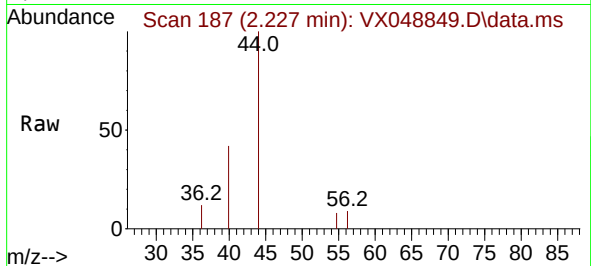




#13
Acrolein
Concen: 40.324 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

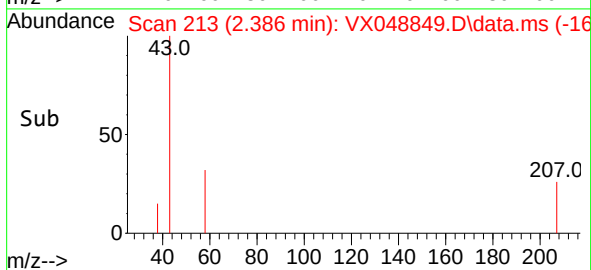
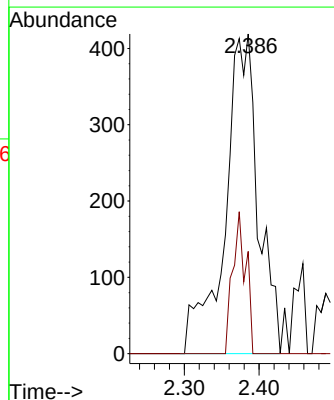
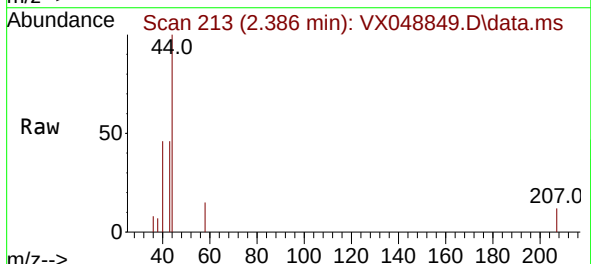
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL

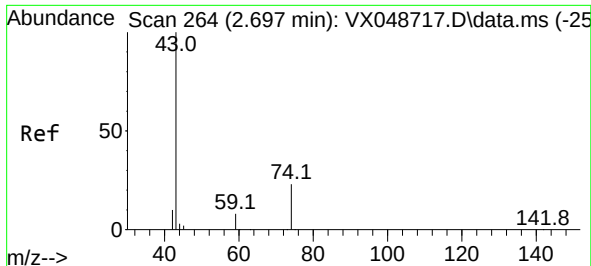
Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 156.8 55.8 83.6#



#16
Acetone
Concen: 2.091 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Tgt Ion: 43 Resp: 1295
Ion Ratio Lower Upper
43 100
58 32.0 25.0 37.4

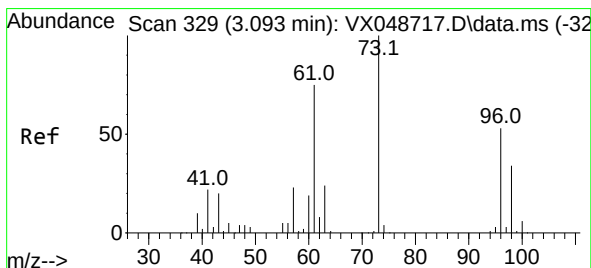
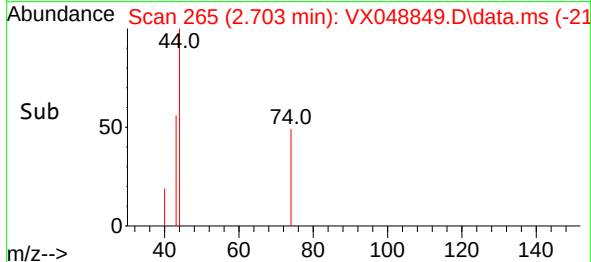
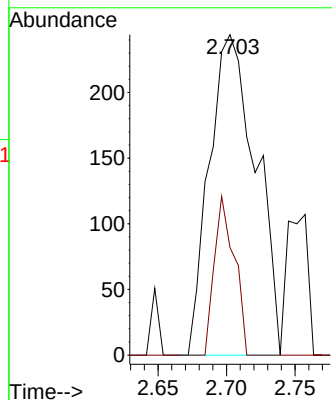
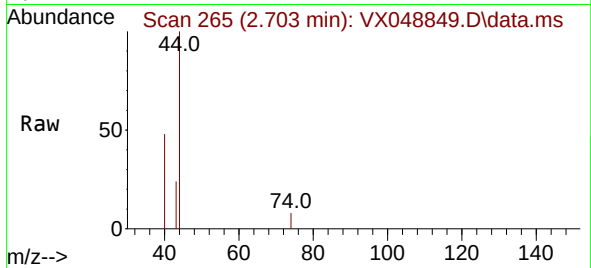




#18
Methyl Acetate
Concen: 0.331 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

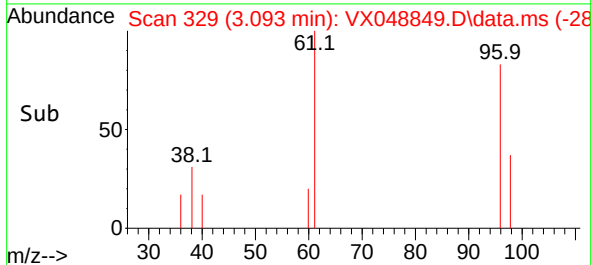
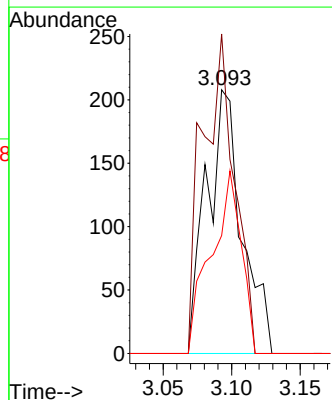
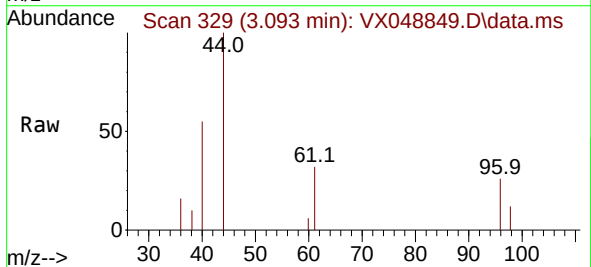
Instrument :
MSVOA_X
ClientSampleId :
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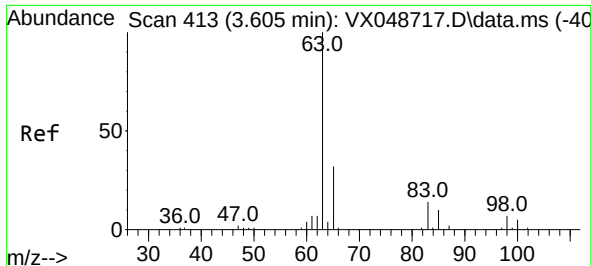
Tgt Ion: 43 Resp: 577
Ion Ratio Lower Upper
43 100
74 21.3 19.2 28.8



#21
trans-1,2-Dichloroethene
Concen: 0.261 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Tgt Ion: 96 Resp: 373
Ion Ratio Lower Upper
96 100
61 121.2 112.8 169.2
98 44.7 51.0 76.4#

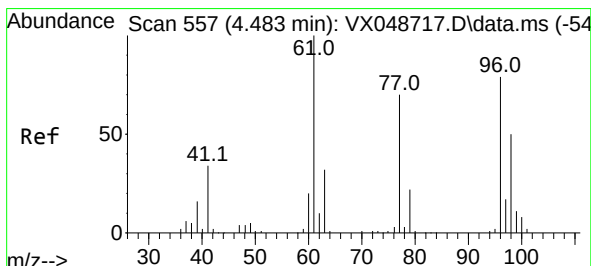
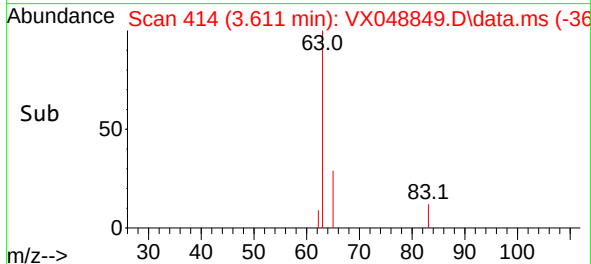
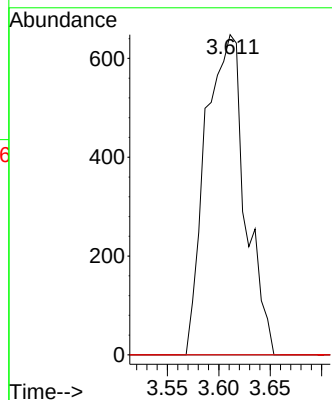
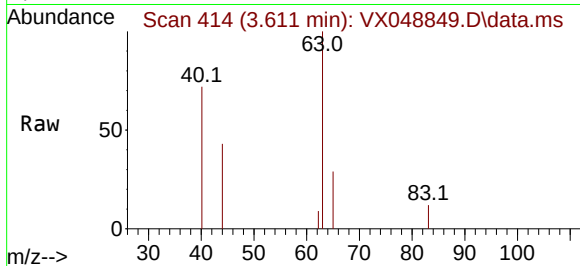




#24
 1,1-Dichloroethane
 Concen: 0.710 ug/l
 RT: 3.611 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX048849.D
 Acq: 12 Dec 2025 13:09

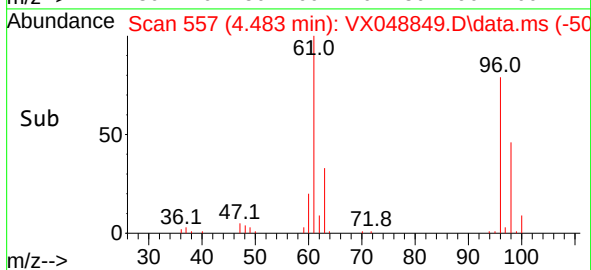
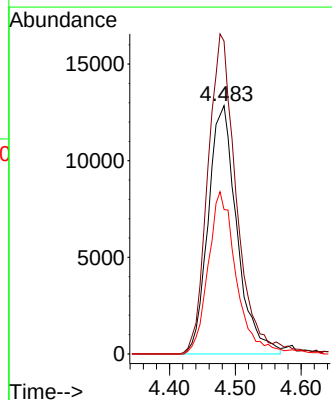
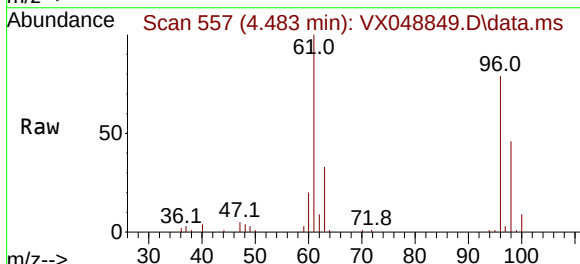
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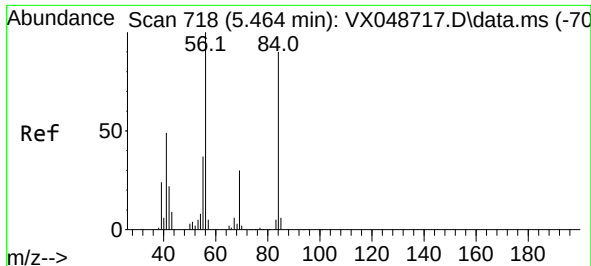
Tgt Ion: 63 Resp: 1738
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.6#
 100 0.0 2.5 7.4#



#27
 cis-1,2-Dichloroethene
 Concen: 24.209 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.000 min
 Lab File: VX048849.D
 Acq: 12 Dec 2025 13:09

Tgt Ion: 96 Resp: 39020
 Ion Ratio Lower Upper
 96 100
 61 129.8 0.0 271.0
 98 63.5 0.0 130.2

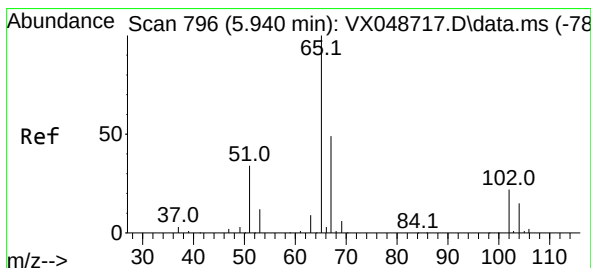
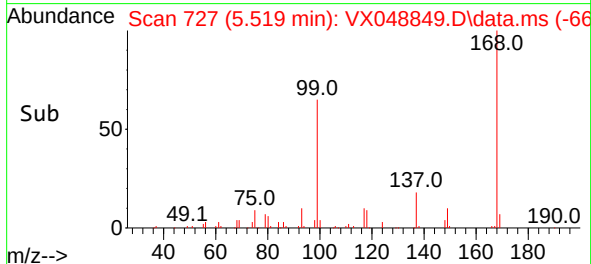
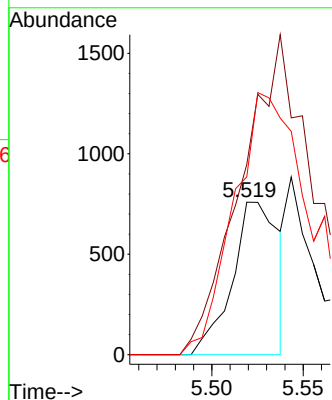
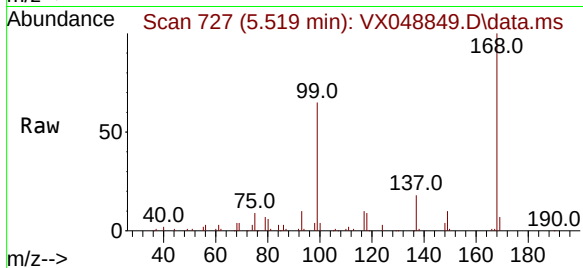




#31
Cyclohexane
Concen: 0.611 ug/l
RT: 5.519 min Scan# 718
Delta R.T. 0.055 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

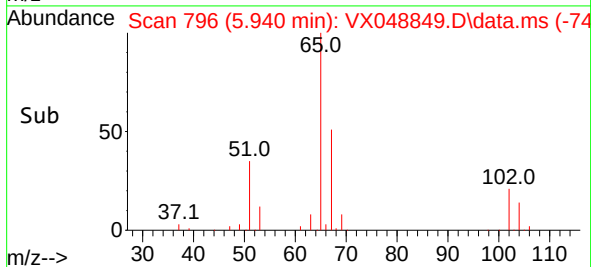
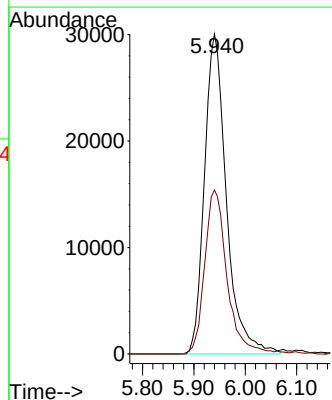
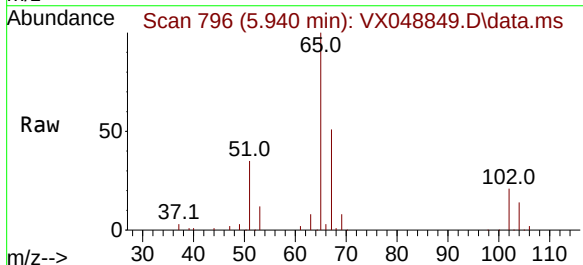
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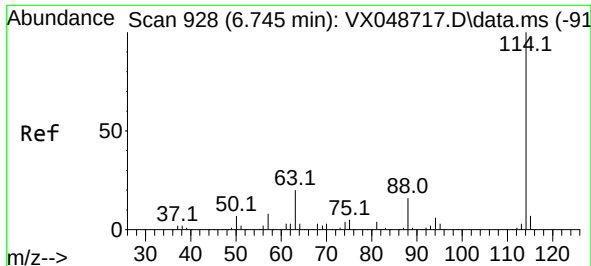
Tgt Ion: 56 Resp: 1335
Ion Ratio Lower Upper
56 100
69 124.6 24.2 36.2#
84 116.6 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 55.131 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Tgt Ion: 65 Resp: 89181
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4

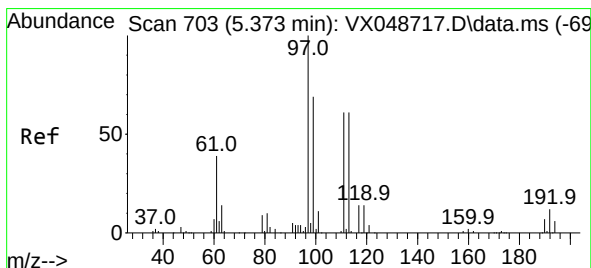
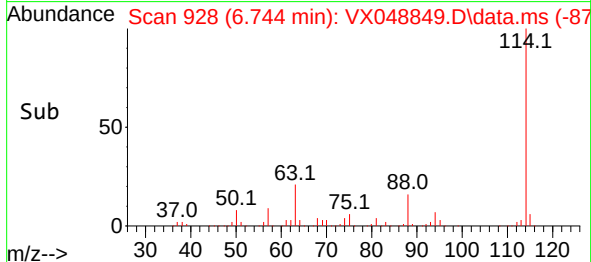
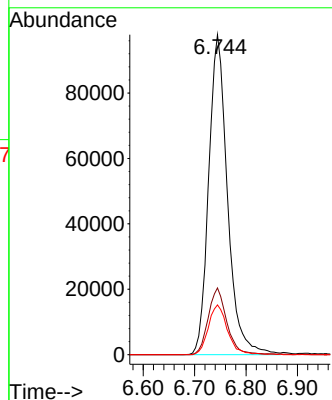
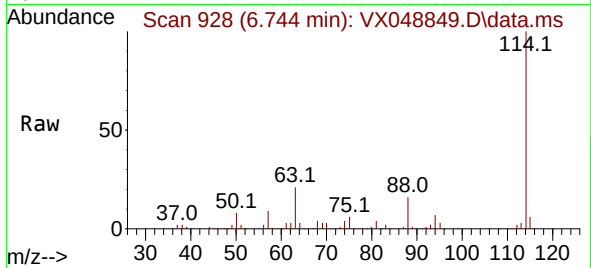




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

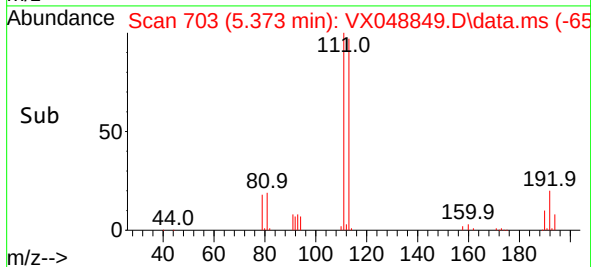
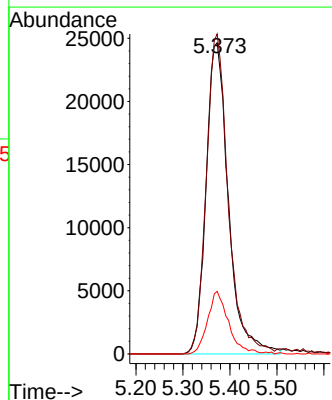
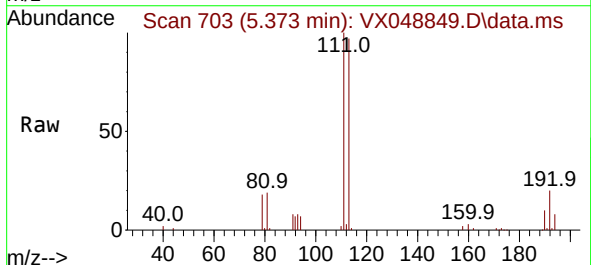
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL

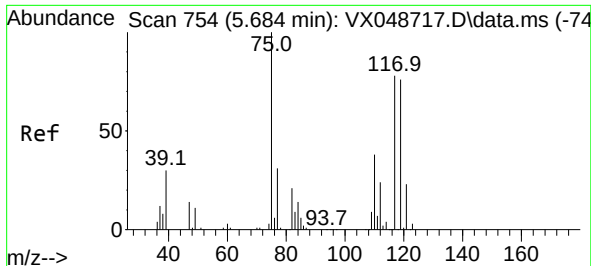
Tgt Ion:114 Resp: 248427
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.0
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.524 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Tgt Ion:113 Resp: 81291
Ion Ratio Lower Upper
113 100
111 100.7 79.5 119.3
192 18.9 16.1 24.1

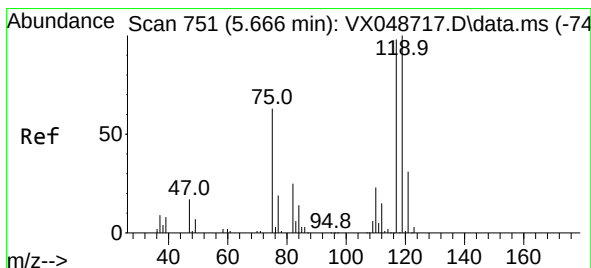
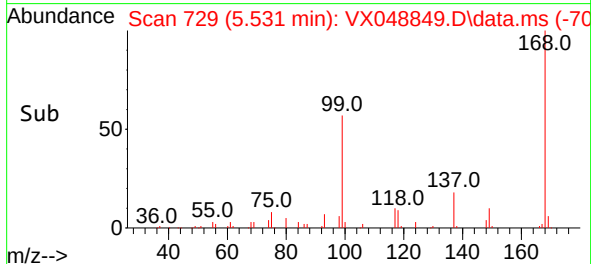
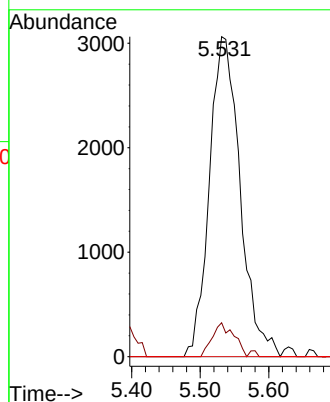
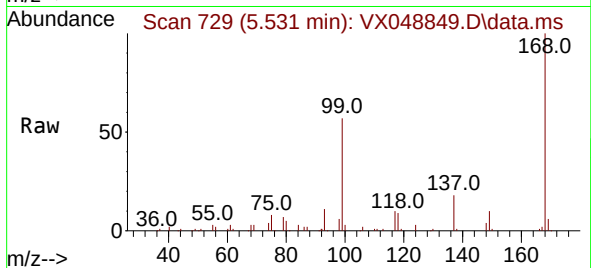




#36
1,1-Dichloropropene
Concen: 4.062 ug/l
RT: 5.531 min Scan# 710
Delta R.T. -0.153 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

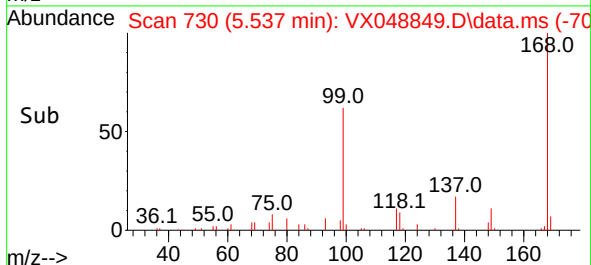
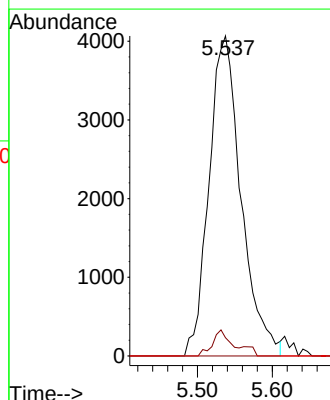
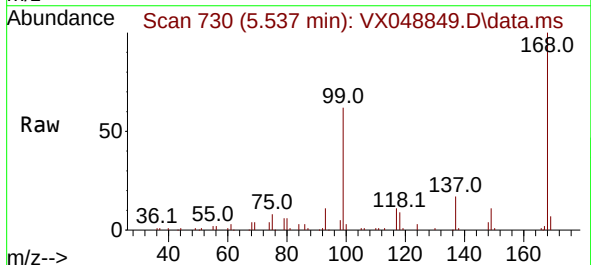
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL

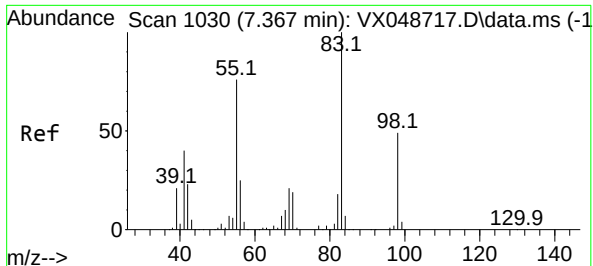
Tgt Ion: 75 Resp: 9517
Ion Ratio Lower Upper
75 100
110 7.5 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.575 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Tgt Ion: 117 Resp: 12142
Ion Ratio Lower Upper
117 100
119 5.7 80.5 120.7#
121 0.0 25.4 38.0#





#39

Methylcyclohexane

Concen: 0.729 ug/l

RT: 7.104 min Scan# 987

Delta R.T. -0.262 min

Lab File: VX048849.D

Acq: 12 Dec 2025 13:09

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-121025DL

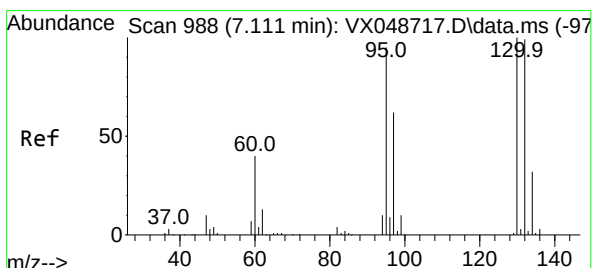
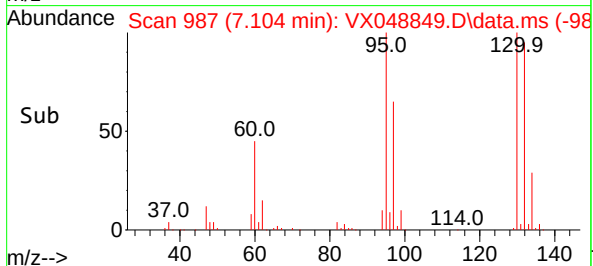
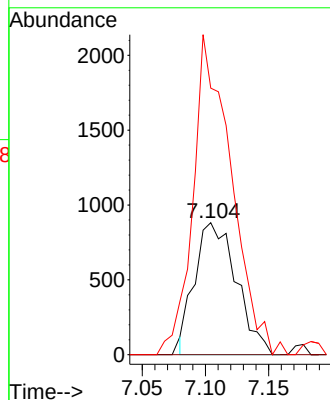
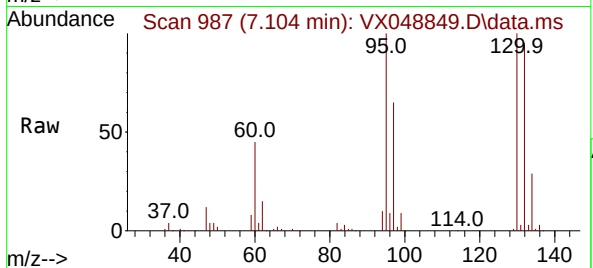
Tgt Ion: 83 Resp: 2020

Ion Ratio Lower Upper

83 100

55 0.0 60.6 90.8#

98 192.2 39.3 58.9#



#44

Trichloroethene

Concen: 95.327 ug/l

RT: 7.104 min Scan# 987

Delta R.T. -0.006 min

Lab File: VX048849.D

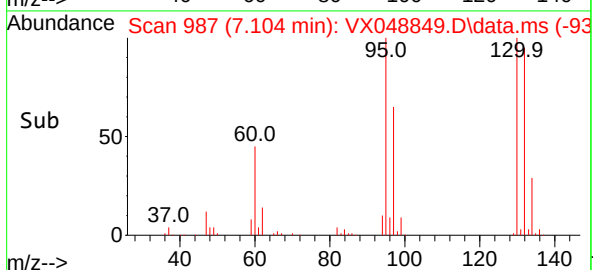
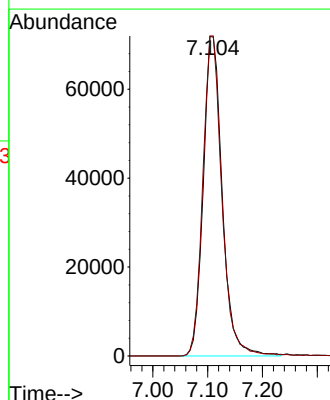
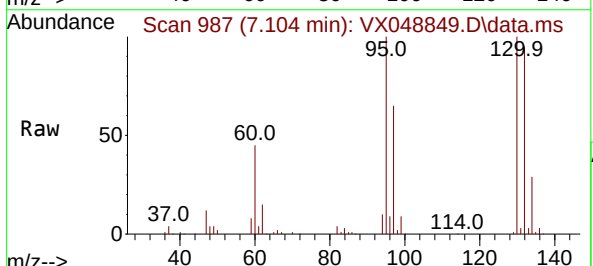
Acq: 12 Dec 2025 13:09

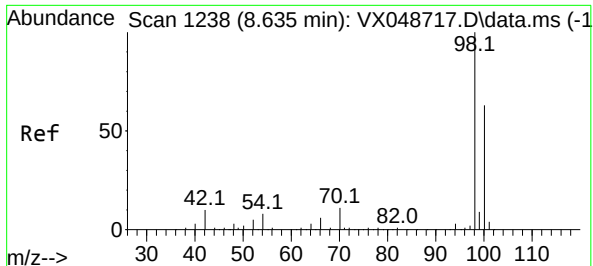
Tgt Ion:130 Resp: 172748

Ion Ratio Lower Upper

130 100

95 100.1 0.0 189.6

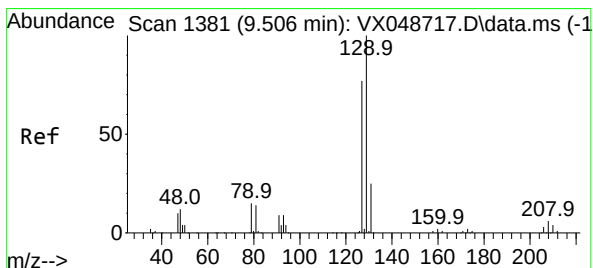
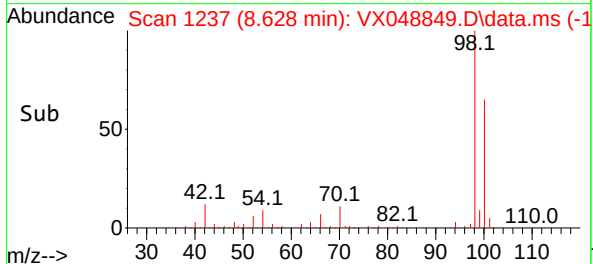
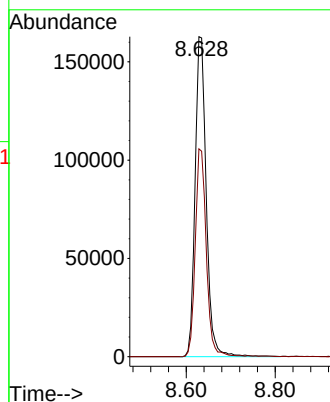
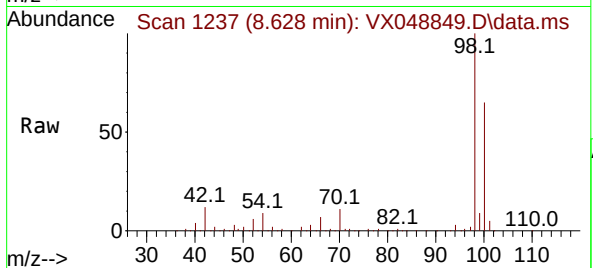




#50
Toluene-d8
Concen: 47.151 ug/l
RT: 8.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

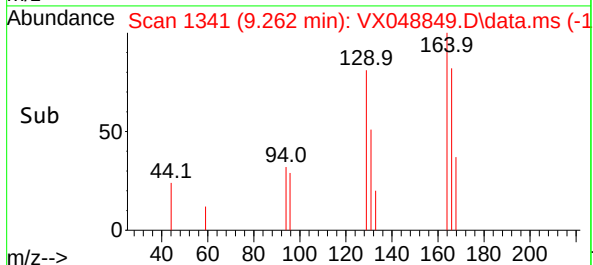
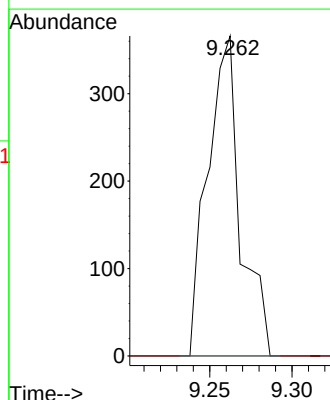
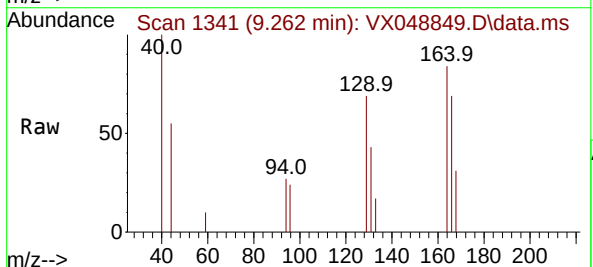
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL

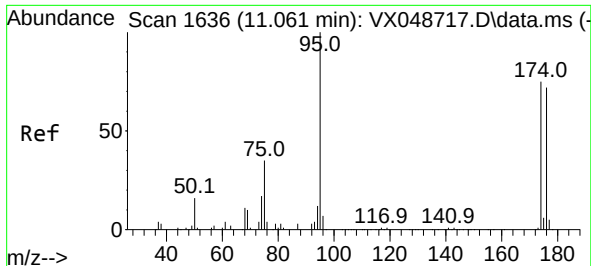
Tgt Ion: 98 Resp: 282710
Ion Ratio Lower Upper
98 100
100 64.1 53.4 80.0



#60
Dibromochloromethane
Concen: 0.243 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Tgt Ion: 129 Resp: 506
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#





#62

4-Bromofluorobenzene

Concen: 57.202 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048849.D

Acq: 12 Dec 2025 13:09

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-121025DL

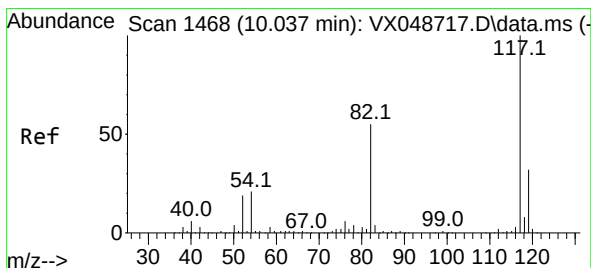
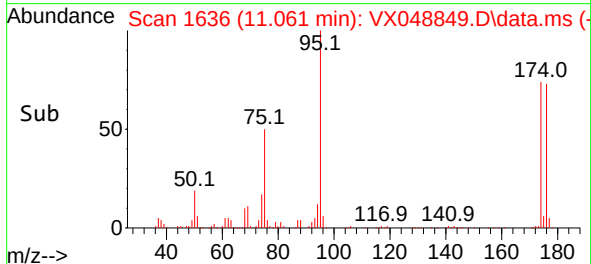
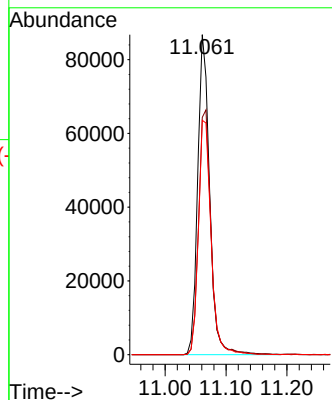
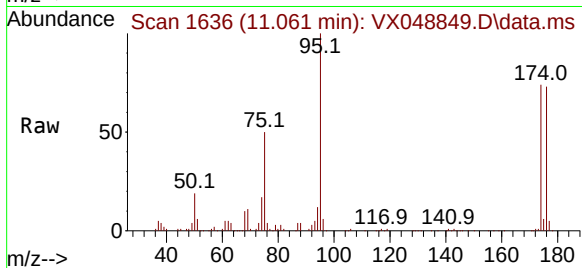
Tgt Ion: 95 Resp: 118269

Ion Ratio Lower Upper

95 100

174 80.0 0.0 157.8

176 77.3 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: VX048849.D

Acq: 12 Dec 2025 13:09

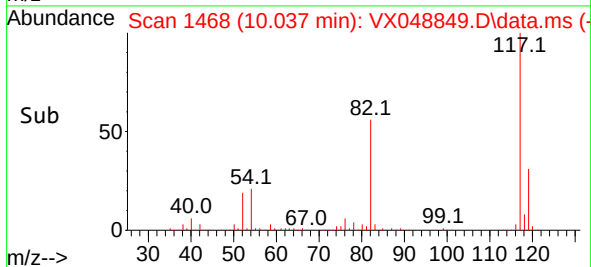
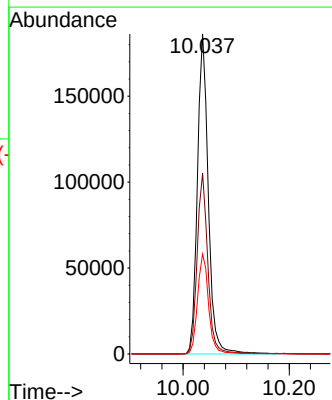
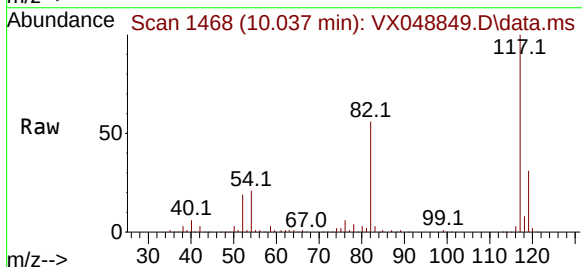
Tgt Ion: 117 Resp: 265146

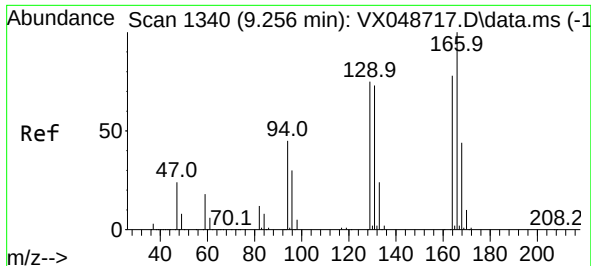
Ion Ratio Lower Upper

117 100

82 56.4 44.1 66.1

119 31.3 25.2 37.8

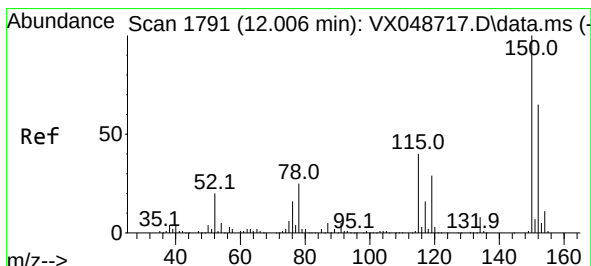
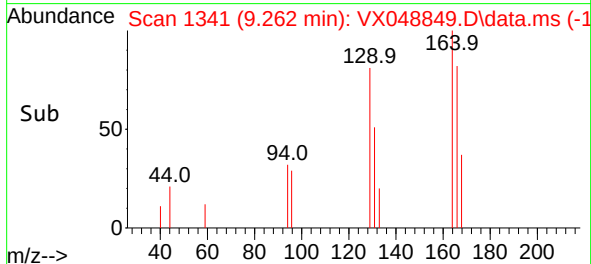
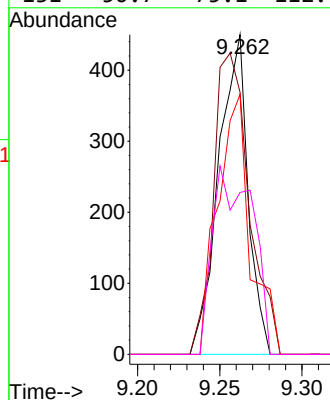
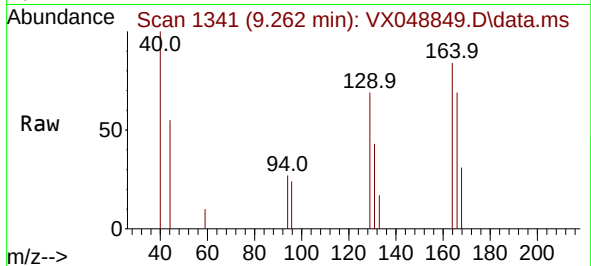




#64
Tetrachloroethene
Concen: 0.289 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

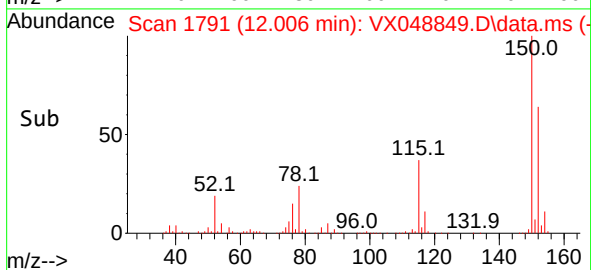
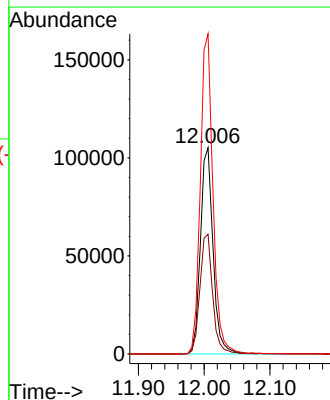
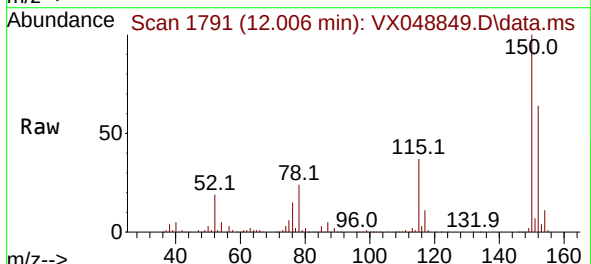
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL

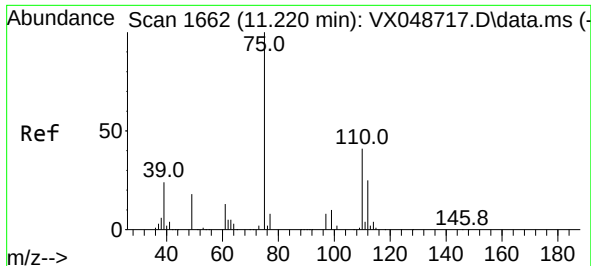
Tgt Ion:164	Resp:	559
Ion	Ratio	Lower Upper
164	100	
166	82.0	103.1 154.7#
129	81.3	76.9 115.3
131	50.7	75.1 112.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Tgt Ion:152	Resp:	140485
Ion	Ratio	Lower Upper
152	100	
115	58.5	42.1 126.4
150	154.5	0.0 347.8

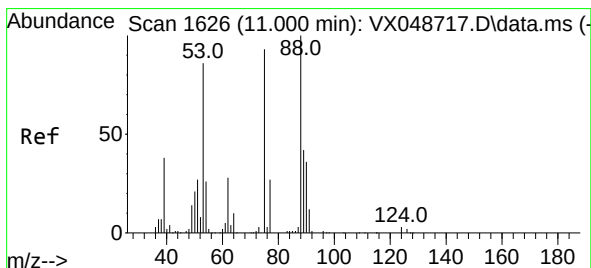
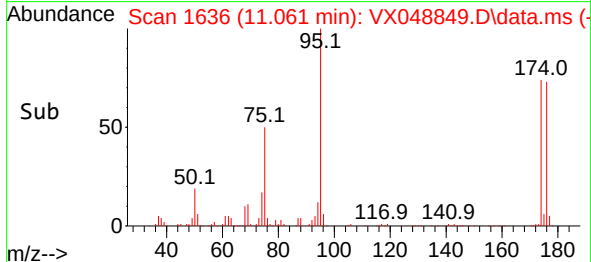
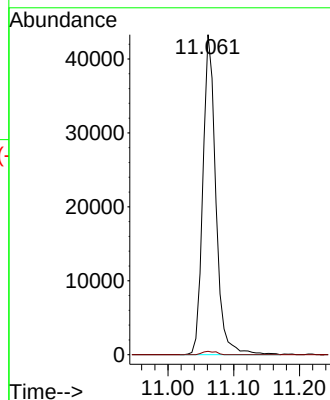
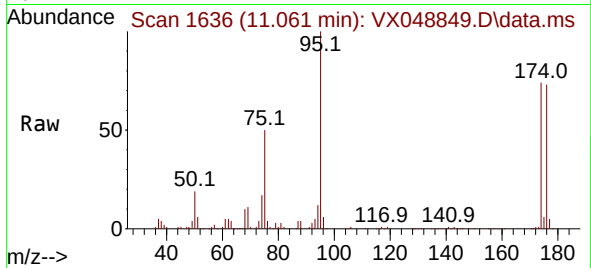




#76
1,2,3-Trichloropropane
Concen: 22.709 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

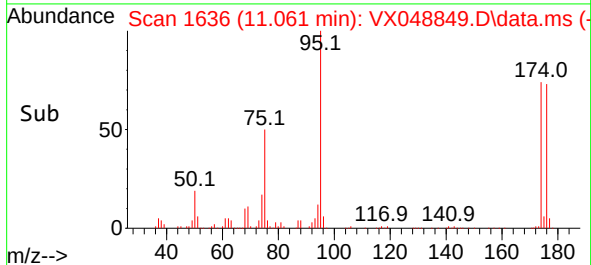
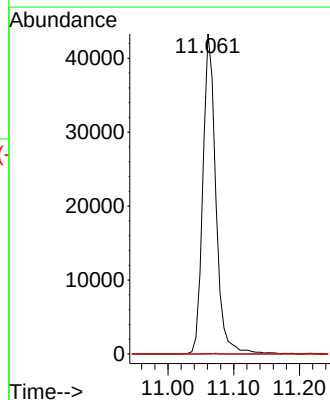
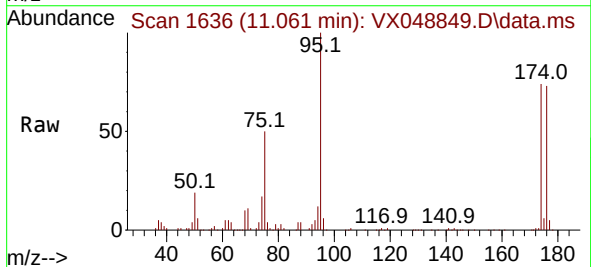
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL

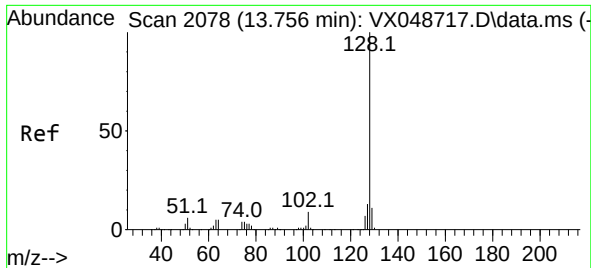
Tgt Ion: 75 Resp: 59419
Ion Ratio Lower Upper
75 100
77 1.1 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.942 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

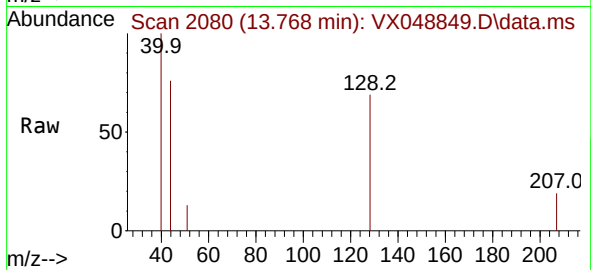
Tgt Ion: 75 Resp: 59419
Ion Ratio Lower Upper
75 100
53 0.1 79.9 119.9#
89 0.1 67.1 100.7#





#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 2078
Delta R.T. 0.012 min
Lab File: VX048849.D
Acq: 12 Dec 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025DL



Tgt Ion:128 Resp: 316
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

