

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048848.D
 Acq On : 12 Dec 2025 12:48
 Operator : JC/MD
 Sample : Q3835-01DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-13.5-121025DL

Quant Time: Dec 12 22:11:53 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)

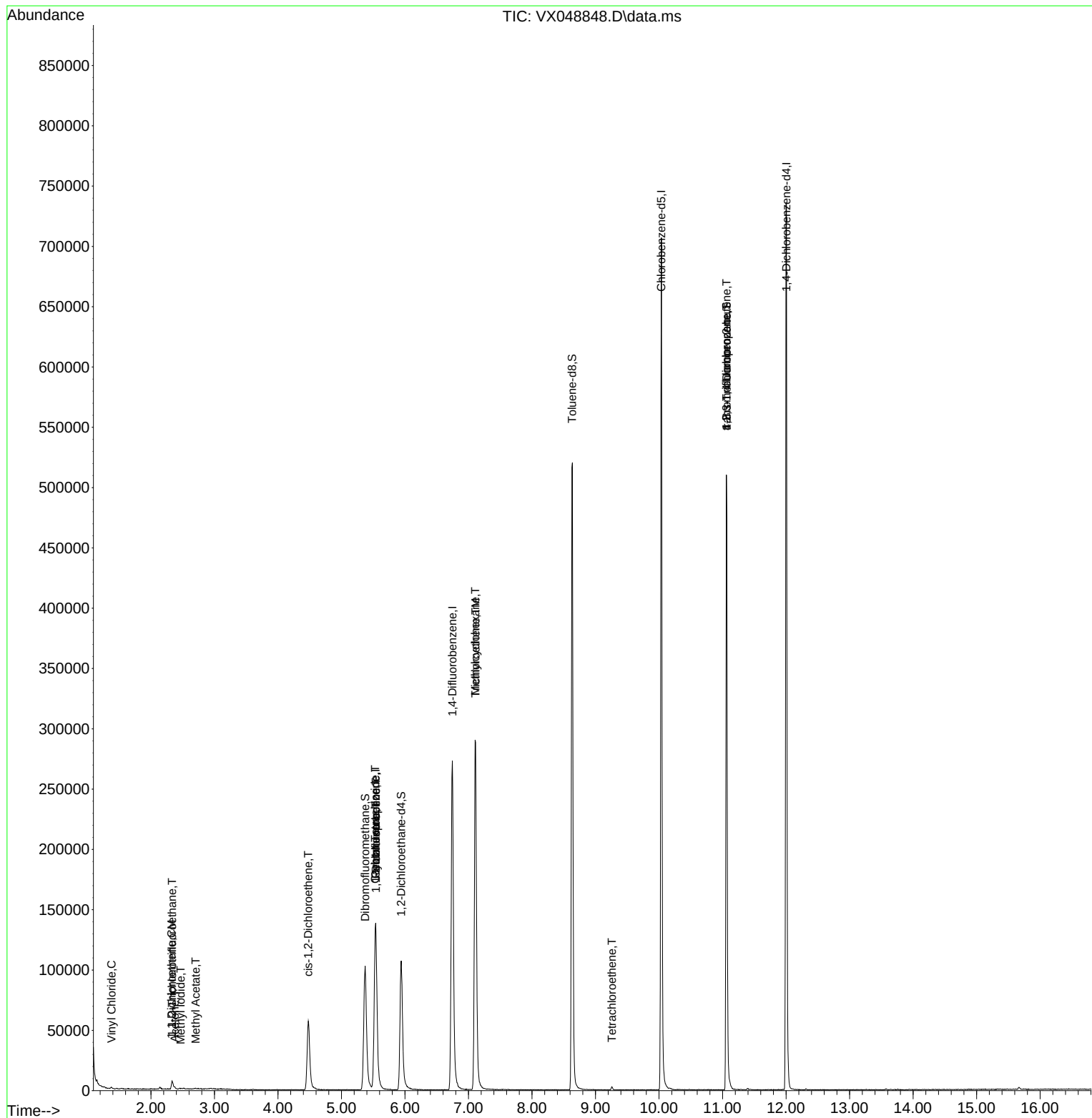
Internal Standards						
1) Pentafluorobenzene	5.538	168	143724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	302254	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	330363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	169799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	116888	60.594	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	121.180%#
35) Dibromofluoromethane	5.373	113	99546	47.833	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.660%
50) Toluene-d8	8.628	98	341875	46.864	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.720%
62) 4-Bromofluorobenzene	11.061	95	146324	58.168	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.340%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.380	62	545	0.277	ug/l #	49
9) 1,1,2-Trichlorotrifluo...	2.331	101	2920	1.786	ug/l	97
10) Methyl Iodide	2.465	142	676	0.290	ug/l #	92
12) 1,1-Dichloroethene	2.325	96	441	0.264	ug/l #	62
16) Acetone	2.373	43	1342	1.817	ug/l	90
18) Methyl Acetate	2.703	43	763	0.367	ug/l #	78
27) cis-1,2-Dichloroethene	4.477	96	40079	20.851	ug/l	97
31) Cyclohexane	5.538	56	2961	1.136	ug/l #	29
36) 1,1-Dichloropropene	5.544	75	12125	4.254	ug/l #	48
38) Carbon Tetrachloride	5.531	117	14849	4.599	ug/l #	13
39) Methylcyclohexane	7.104	83	1461	0.433	ug/l #	1
44) Trichloroethene	7.110	130	126532	57.389	ug/l	99
64) Tetrachloroethene	9.256	164	533	0.221	ug/l #	80
76) 1,2,3-Trichloropropane	11.061	75	75538	23.885	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	75538	56.737	ug/l #	3
95) Naphthalene	13.762	128	402	Below Cal	#	69

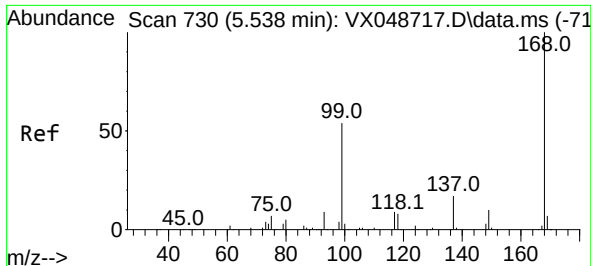
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
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MW-11A-13.5-121025DL

Quant Time: Dec 12 22:11:53 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

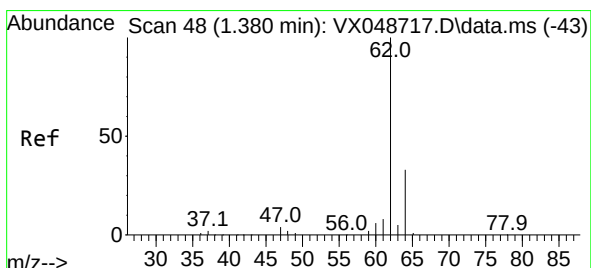
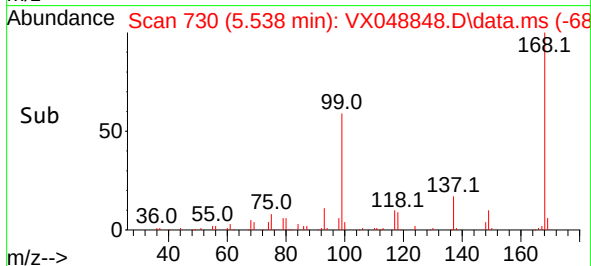
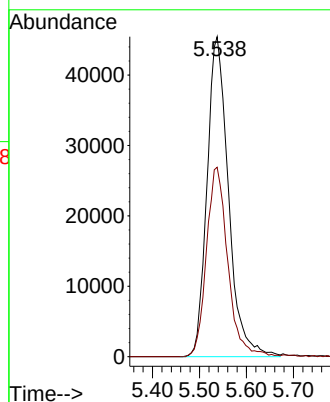
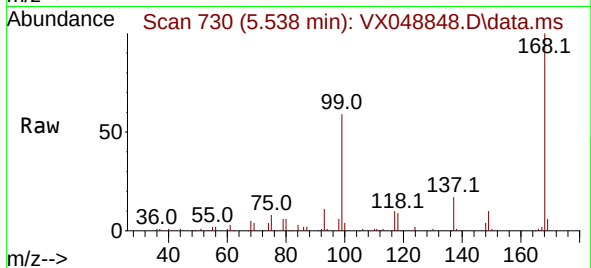




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

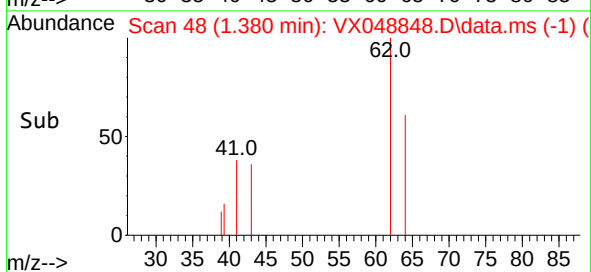
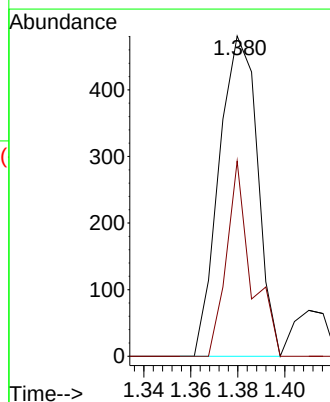
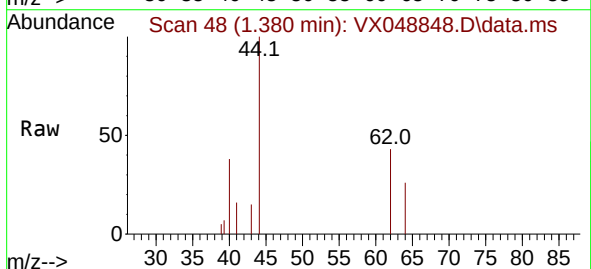
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-121025DL

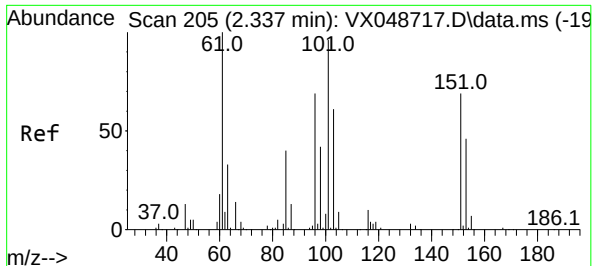
Tgt Ion:168 Resp: 143724
Ion Ratio Lower Upper
168 100
99 59.2 44.2 66.4



#4
Vinyl Chloride
Concen: 0.277 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Tgt Ion: 62 Resp: 545
Ion Ratio Lower Upper
62 100
64 60.9 26.0 39.0#

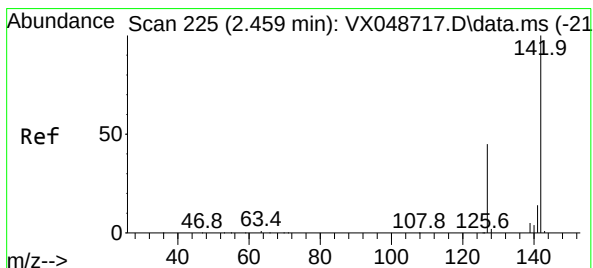
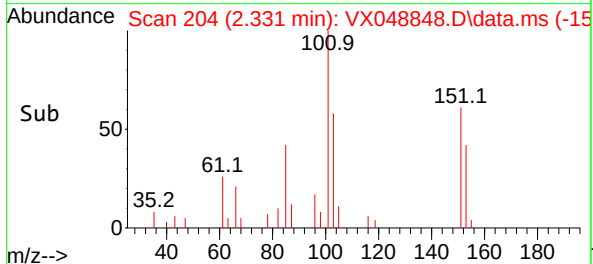
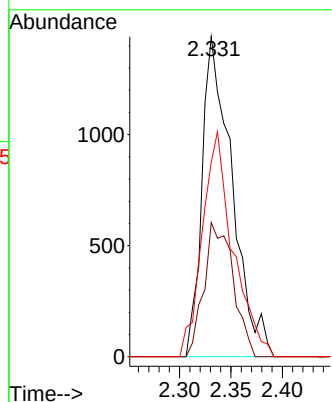
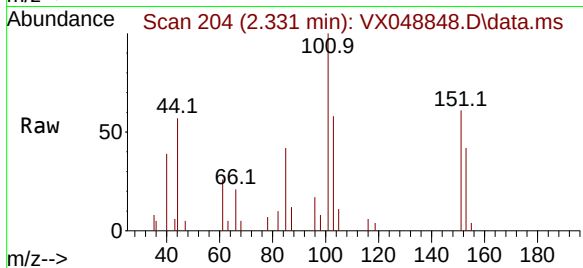




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.786 ug/l
RT: 2.331 min Scan# 205
Delta R.T. -0.006 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

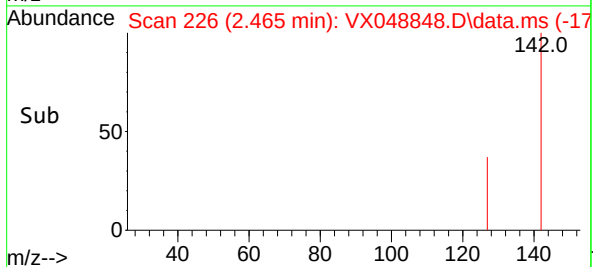
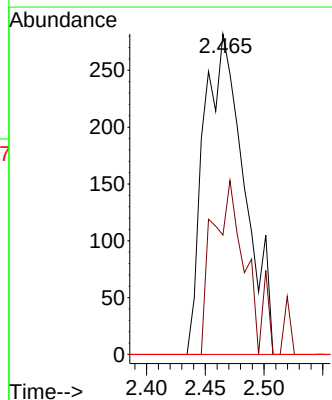
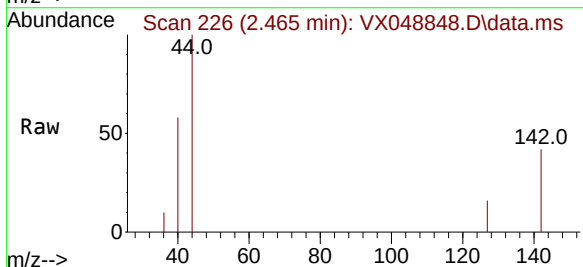
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-121025DL

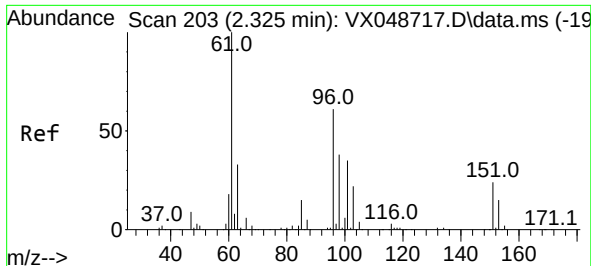
Tgt Ion:101 Resp: 2920
Ion Ratio Lower Upper
101 100
85 40.6 34.2 51.2
151 72.3 60.2 90.4



#10
Methyl Iodide
Concen: 0.290 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Tgt Ion:142 Resp: 676
Ion Ratio Lower Upper
142 100
127 44.7 35.8 53.6
141 0.0 11.1 16.7#





#12

1,1-Dichloroethene

Concen: 0.264 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX048848.D

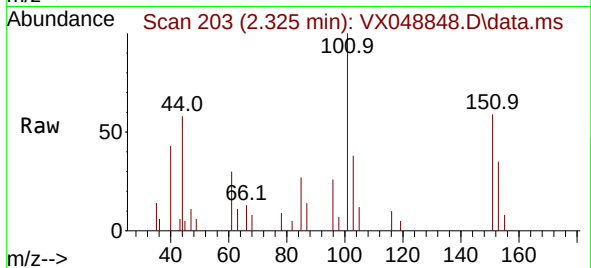
Acq: 12 Dec 2025 12:48

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-13.5-121025DL



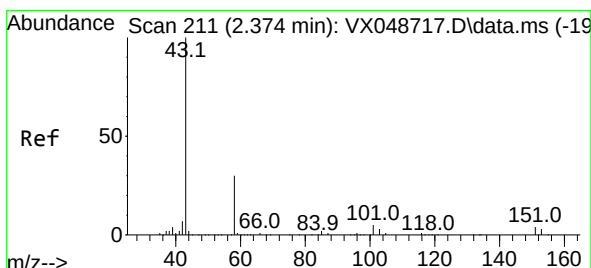
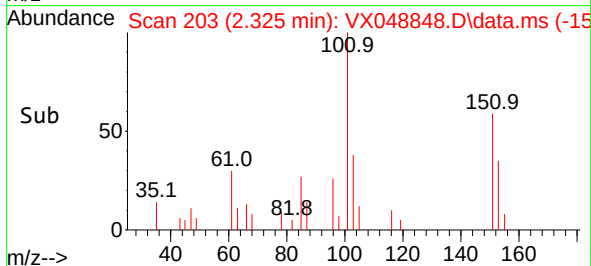
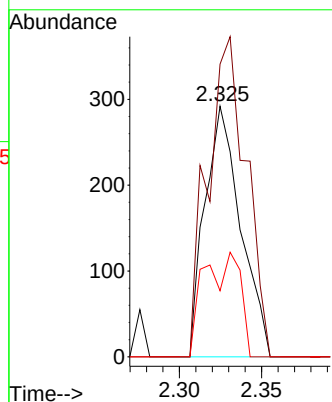
Tgt Ion: 96 Resp: 441

Ion Ratio Lower Upper

96 100

61 116.8 130.7 196.1#

98 26.4 49.8 74.8#



#16

Acetone

Concen: 1.817 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048848.D

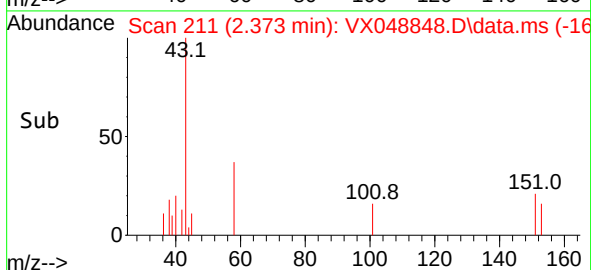
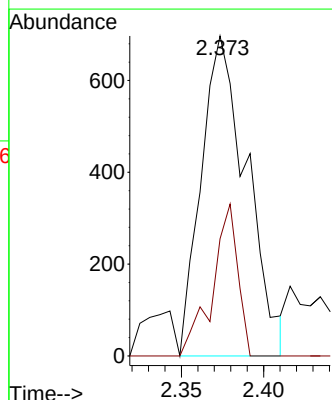
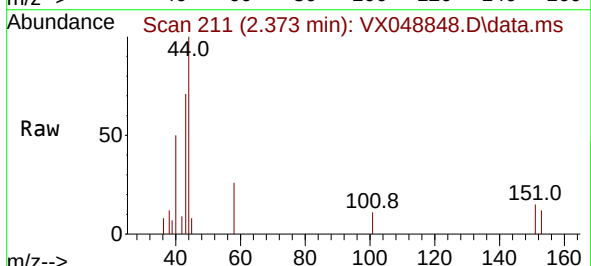
Acq: 12 Dec 2025 12:48

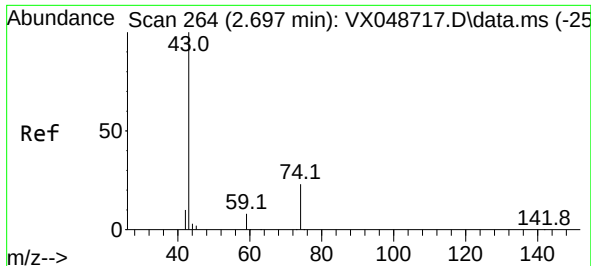
Tgt Ion: 43 Resp: 1342

Ion Ratio Lower Upper

43 100

58 36.6 25.0 37.4

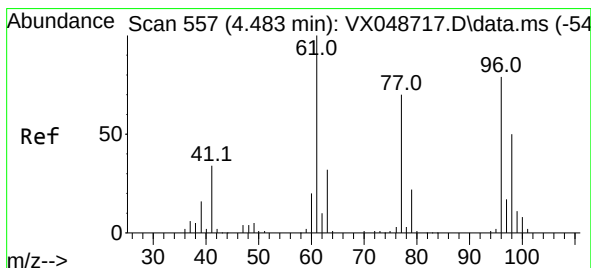
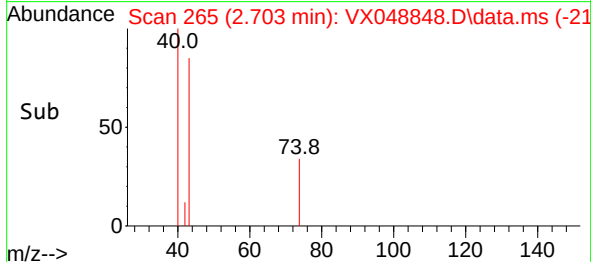
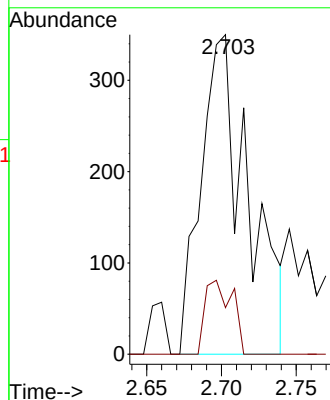
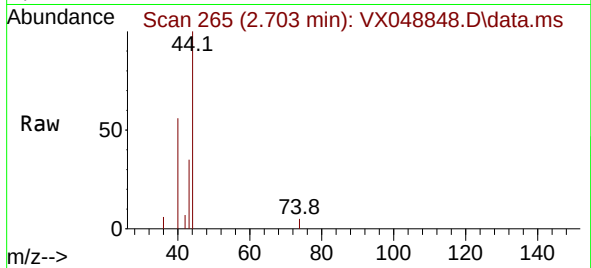




#18
Methyl Acetate
Concen: 0.367 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

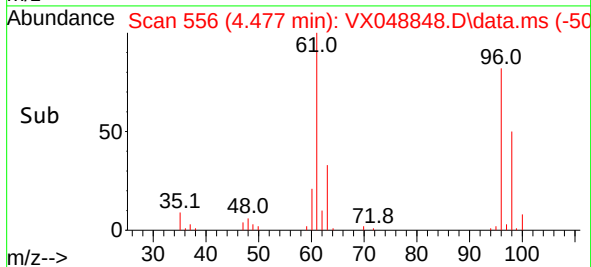
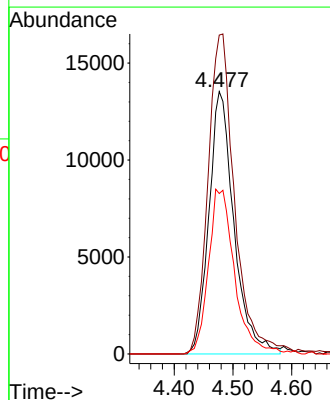
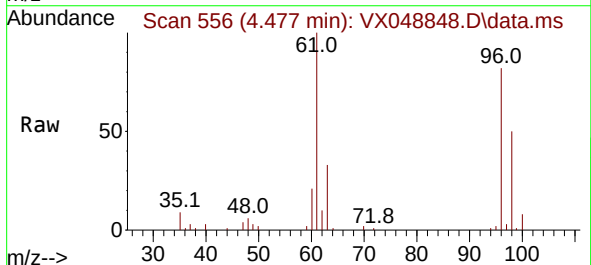
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-121025DL

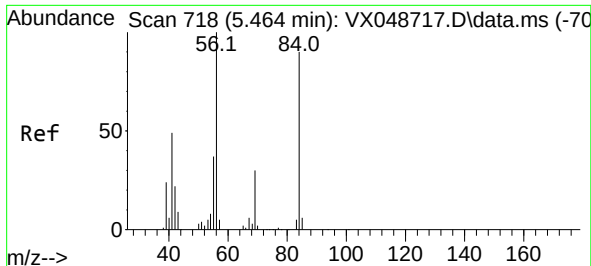
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
74 13.4 19.2 28.8#



#27
cis-1,2-Dichloroethene
Concen: 20.851 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

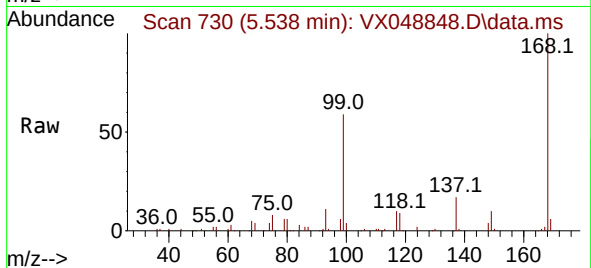
Tgt Ion: 96 Resp: 40079
Ion Ratio Lower Upper
96 100
61 129.7 0.0 271.0
98 65.4 0.0 130.2



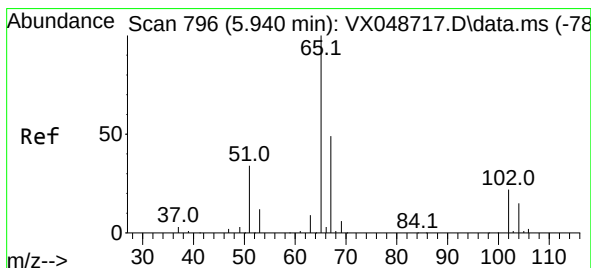
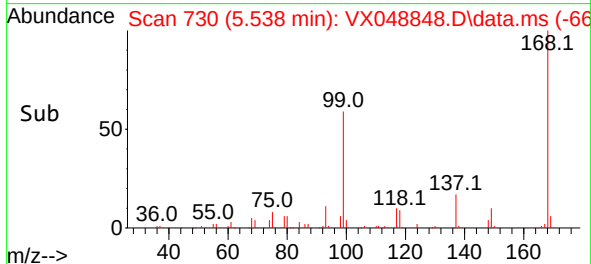
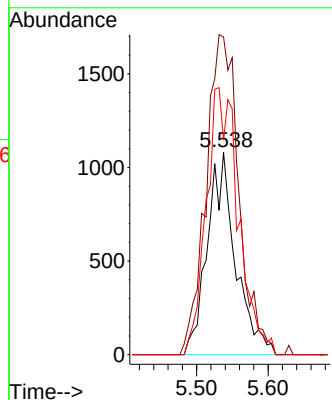


#31
Cyclohexane
Concen: 1.136 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-121025DL

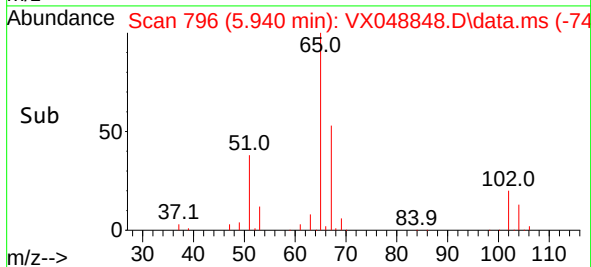
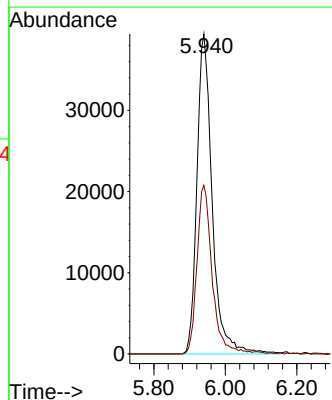
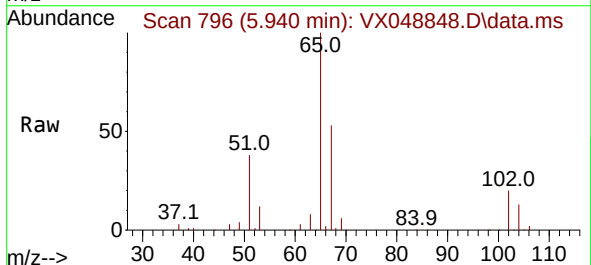


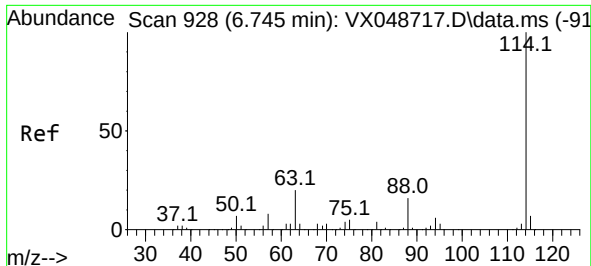
Tgt Ion: 56 Resp: 2961
Ion Ratio Lower Upper
56 100
69 157.0 24.2 36.2#
84 106.0 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 60.594 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Tgt Ion: 65 Resp: 116888
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

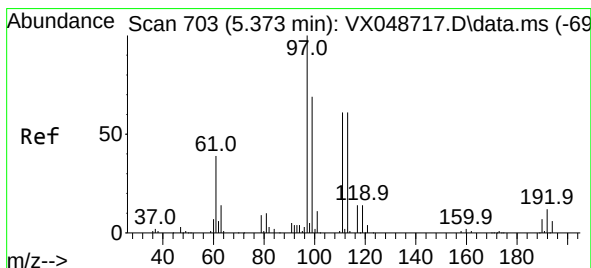
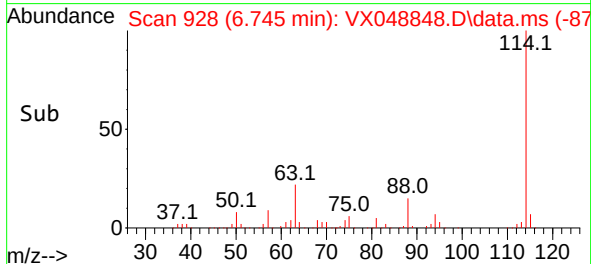
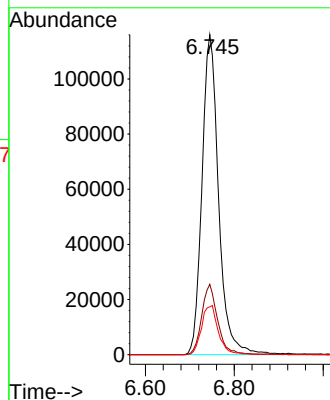
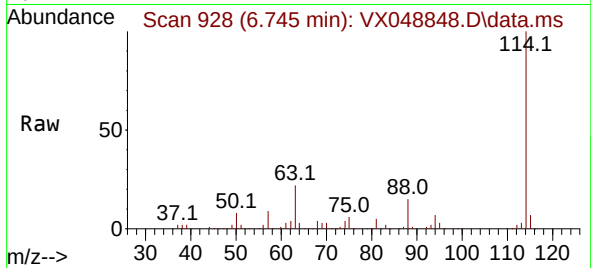




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

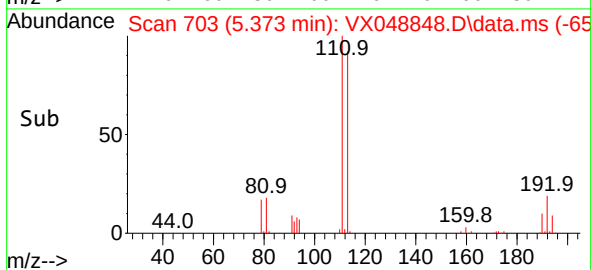
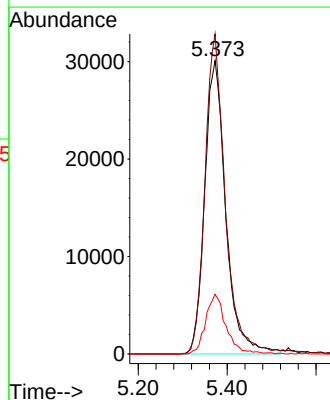
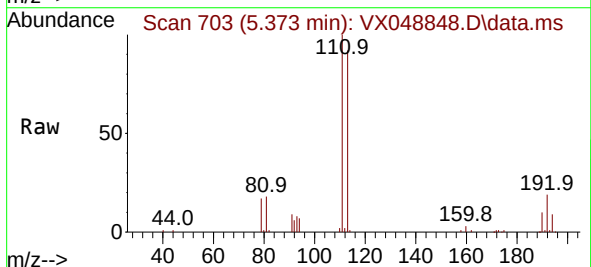
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MSVOA_X
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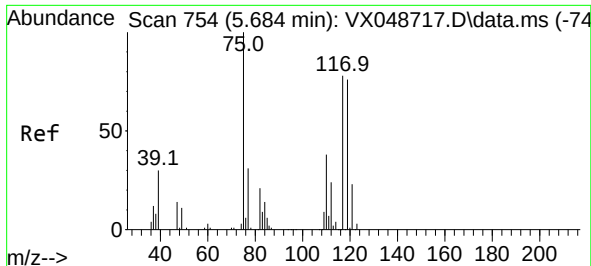
Tgt Ion:114 Resp: 302254
Ion Ratio Lower Upper
114 100
63 22.0 0.0 39.0
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.833 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Tgt Ion:113 Resp: 99546
Ion Ratio Lower Upper
113 100
111 103.8 79.5 119.3
192 19.5 16.1 24.1

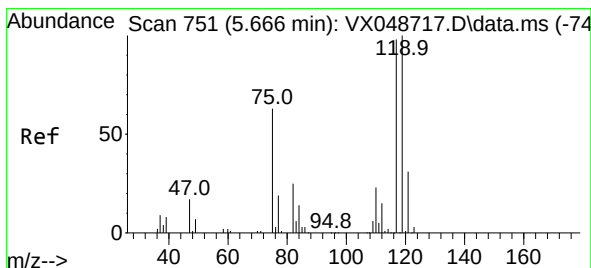
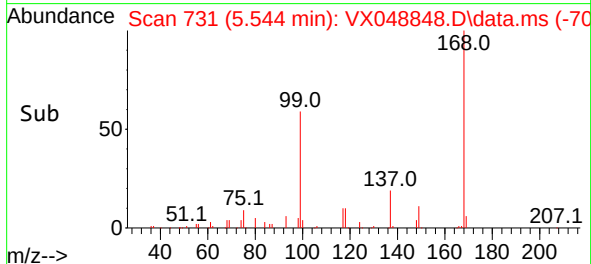
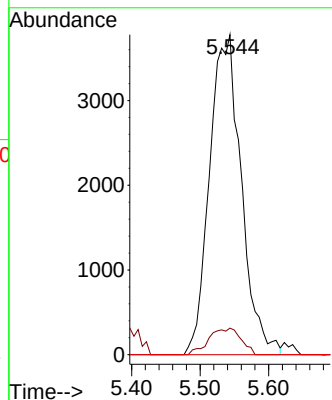
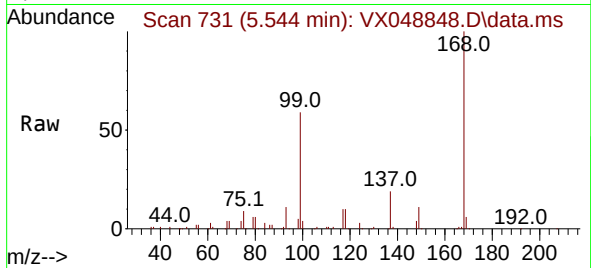




#36
1,1-Dichloropropene
Concen: 4.254 ug/l
RT: 5.544 min Scan# 710
Delta R.T. -0.140 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

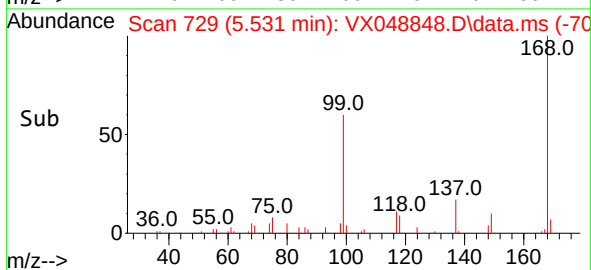
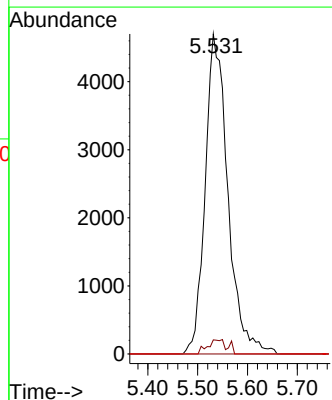
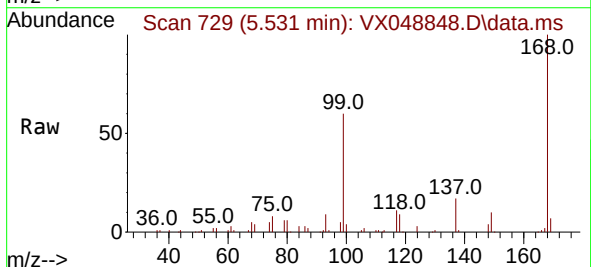
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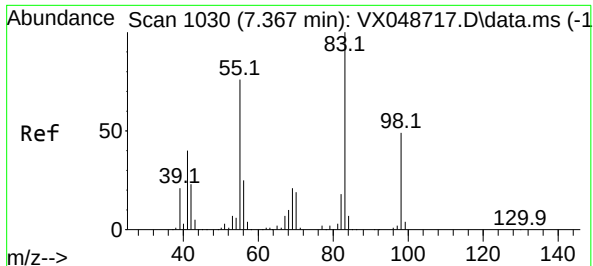
Tgt Ion: 75 Resp: 12125
Ion Ratio Lower Upper
75 100
110 8.4 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.599 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.134 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Tgt Ion: 117 Resp: 14849
Ion Ratio Lower Upper
117 100
119 4.4 80.5 120.7#
121 0.0 25.4 38.0#

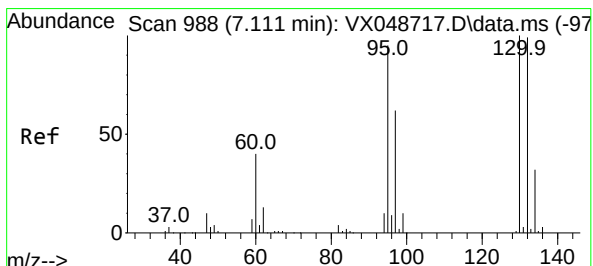
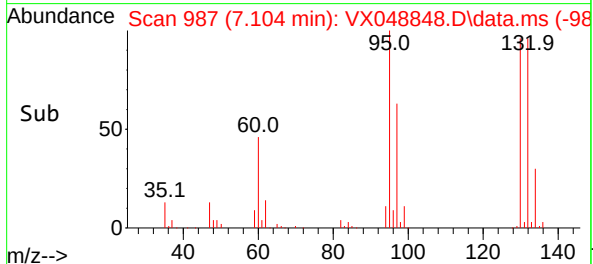
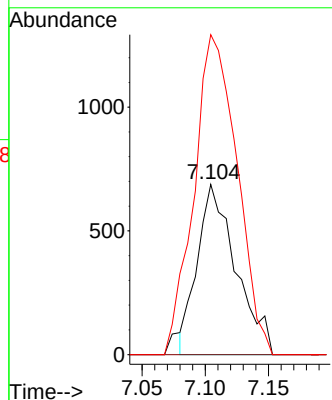
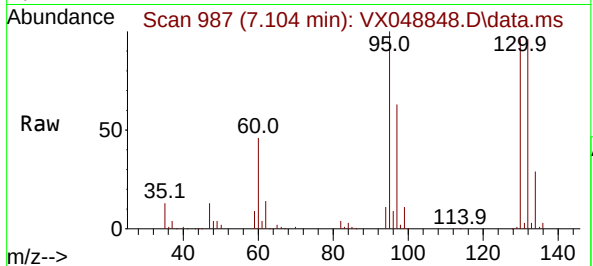




#39
Methylcyclohexane
Concen: 0.433 ug/l
RT: 7.104 min Scan# 91
Delta R.T. -0.262 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

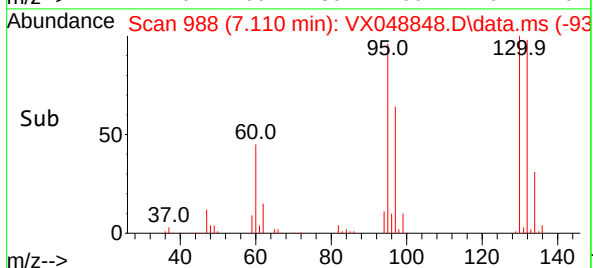
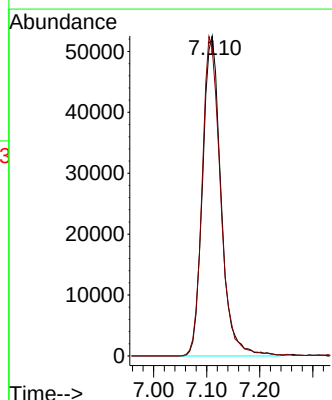
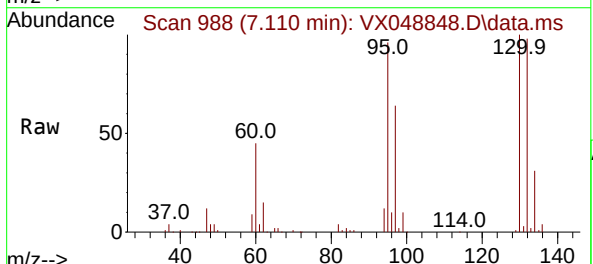
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-121025DL

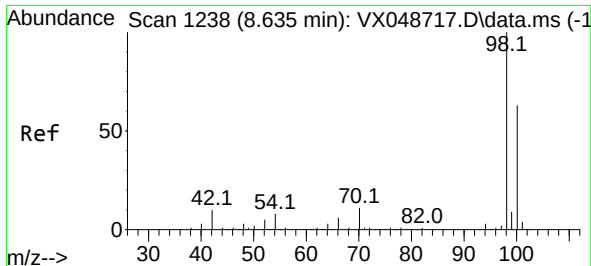
Tgt Ion: 83 Resp: 1461
Ion Ratio Lower Upper
83 100
55 0.0 60.6 90.8#
98 187.9 39.3 58.9#



#44
Trichloroethene
Concen: 57.389 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Tgt Ion:130 Resp: 126532
Ion Ratio Lower Upper
130 100
95 96.2 0.0 189.6

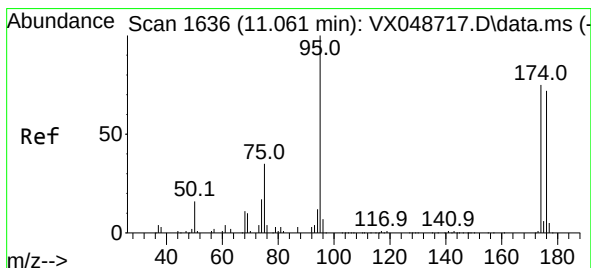
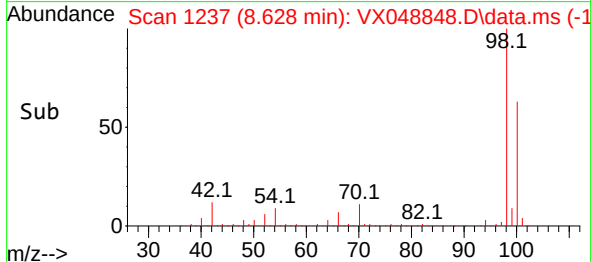
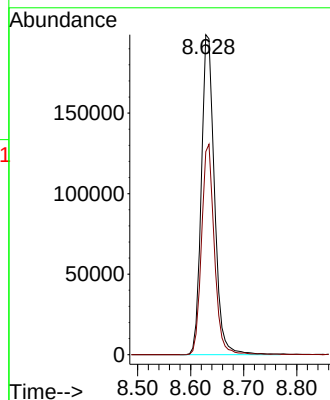
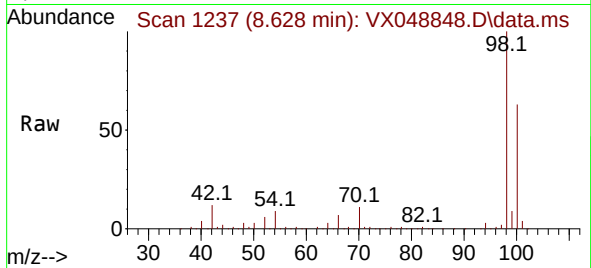




#50
Toluene-d8
Concen: 46.864 ug/l
RT: 8.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

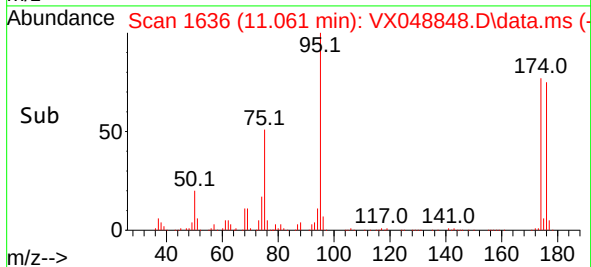
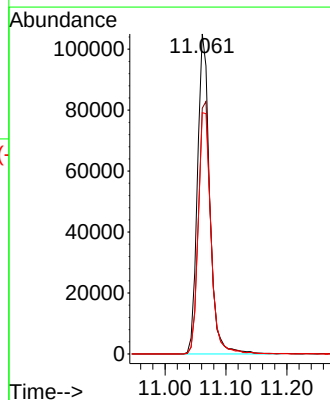
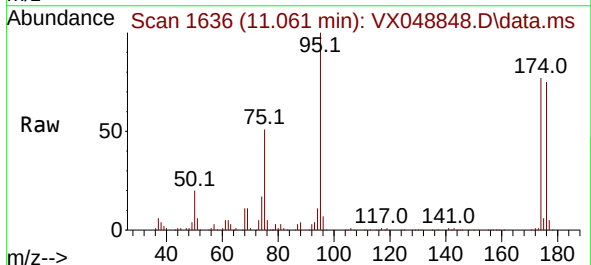
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-121025DL

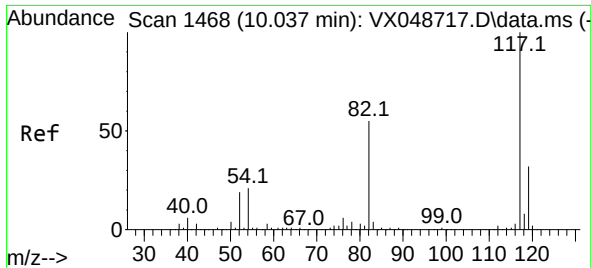
Tgt Ion: 98 Resp: 341875
Ion Ratio Lower Upper
98 100
100 64.3 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 58.168 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Tgt Ion: 95 Resp: 146324
Ion Ratio Lower Upper
95 100
174 80.4 0.0 157.8
176 78.3 0.0 154.0

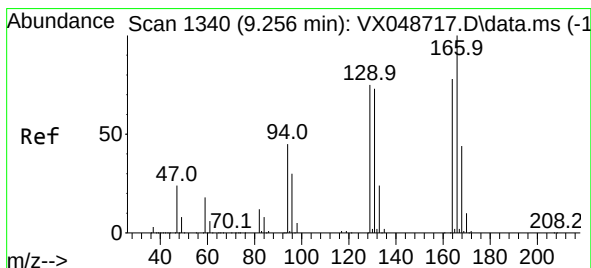
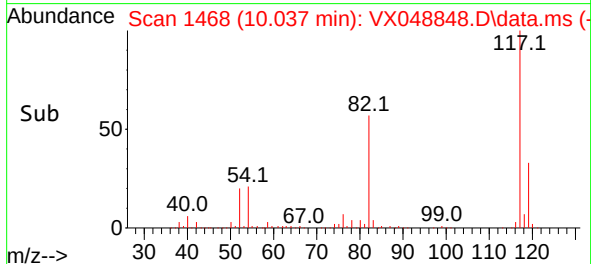
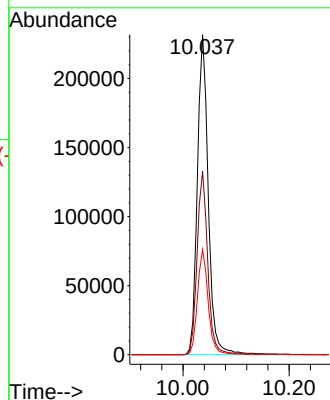
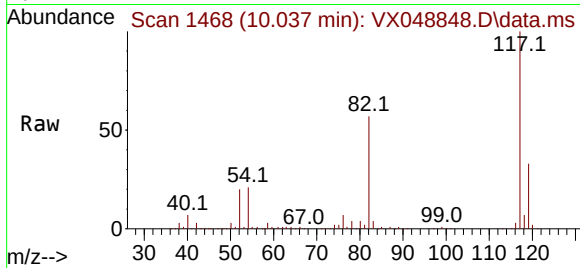




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

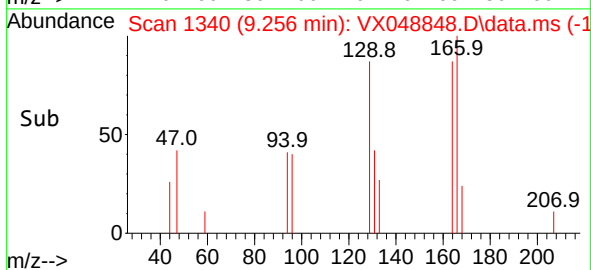
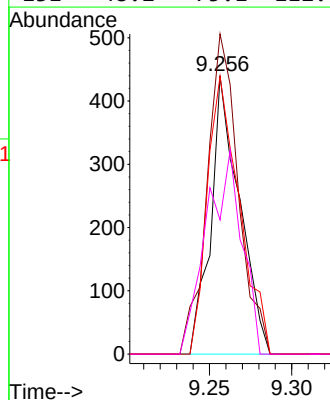
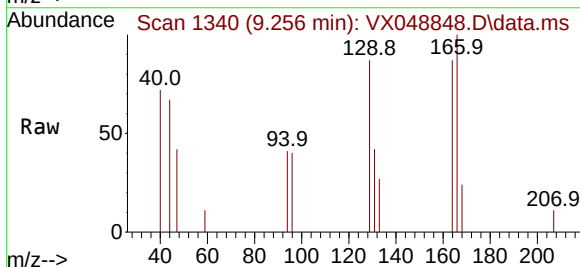
Instrument : MSVOA_X
ClientSampleId : MW-11A-13.5-121025DL

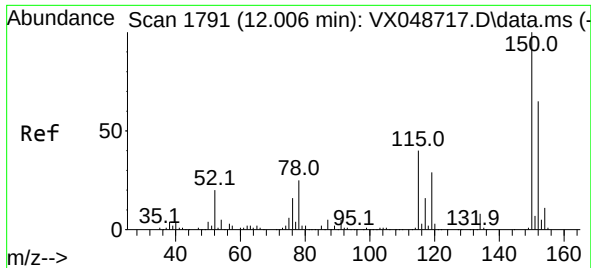
Tgt Ion:117 Resp: 330363
Ion Ratio Lower Upper
117 100
82 57.3 44.1 66.1
119 32.8 25.2 37.8



#64
Tetrachloroethene
Concen: 0.221 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Tgt Ion:164 Resp: 533
Ion Ratio Lower Upper
164 100
166 115.0 103.1 154.7
129 99.8 76.9 115.3
131 48.2 75.1 112.7#

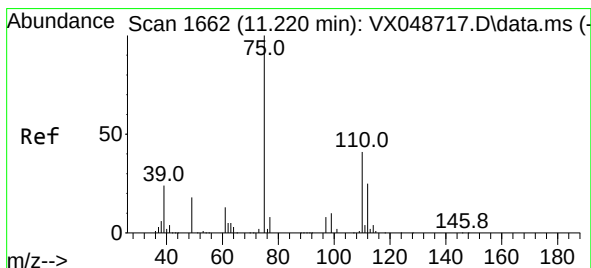
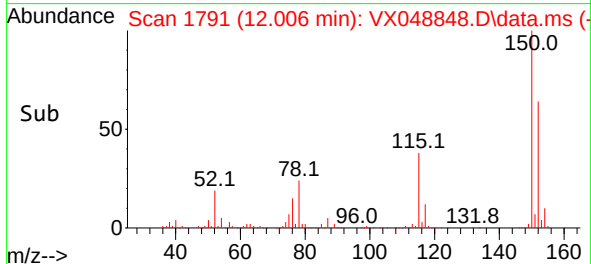
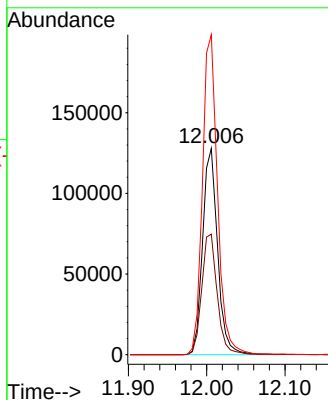
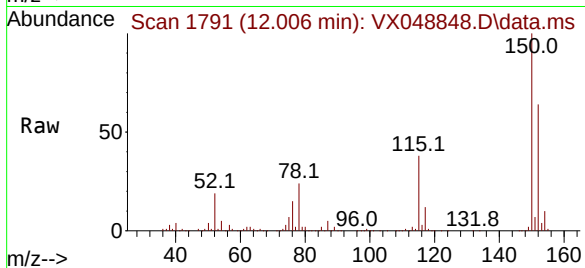




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

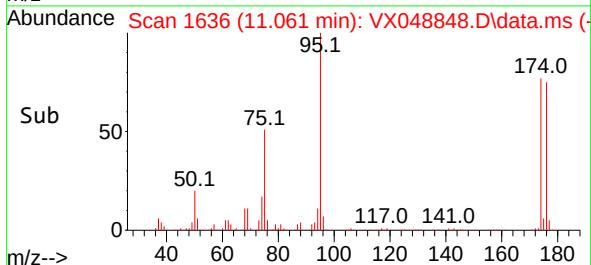
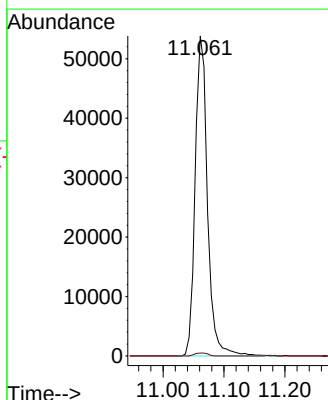
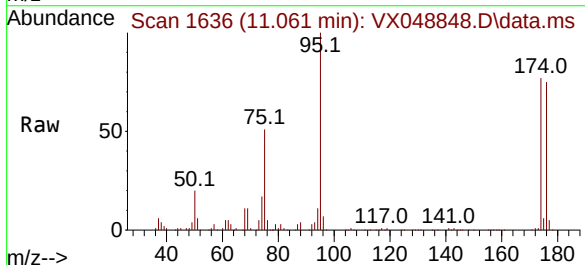
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-121025DL

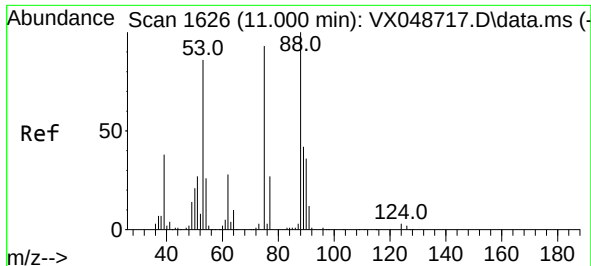
Tgt Ion:152 Resp: 169799
Ion Ratio Lower Upper
152 100
115 60.4 42.1 126.4
150 155.8 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 23.885 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Tgt Ion: 75 Resp: 75538
Ion Ratio Lower Upper
75 100
77 1.0 24.3 73.0#

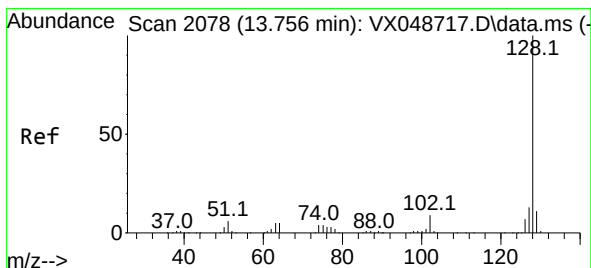
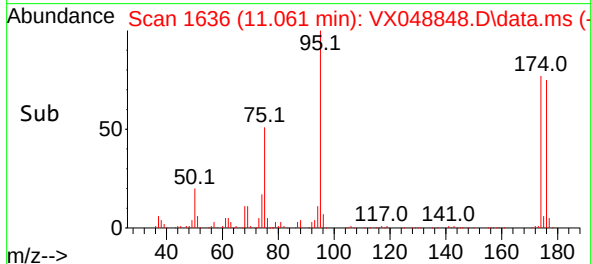
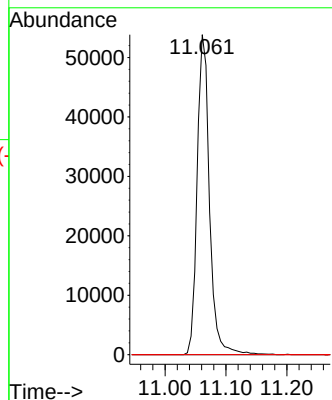
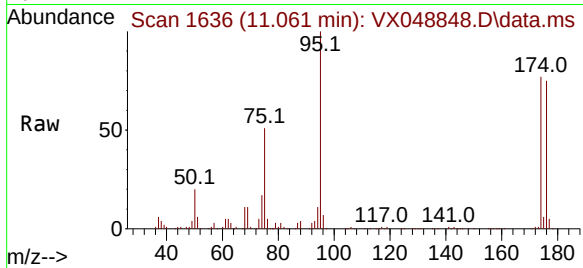




#81
trans-1,4-Dichloro-2-butene
Concen: 56.737 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-121025DL

Tgt Ion: 75 Resp: 75538
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#95
Naphthalene
Concen: Below Cal
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048848.D
Acq: 12 Dec 2025 12:48

Tgt Ion:128 Resp: 402
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

