

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047474.D
 Acq On : 21 Aug 2025 16:35
 Operator : JC/MD
 Sample : Q2900-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-081825

Quant Time: Aug 22 03:50:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

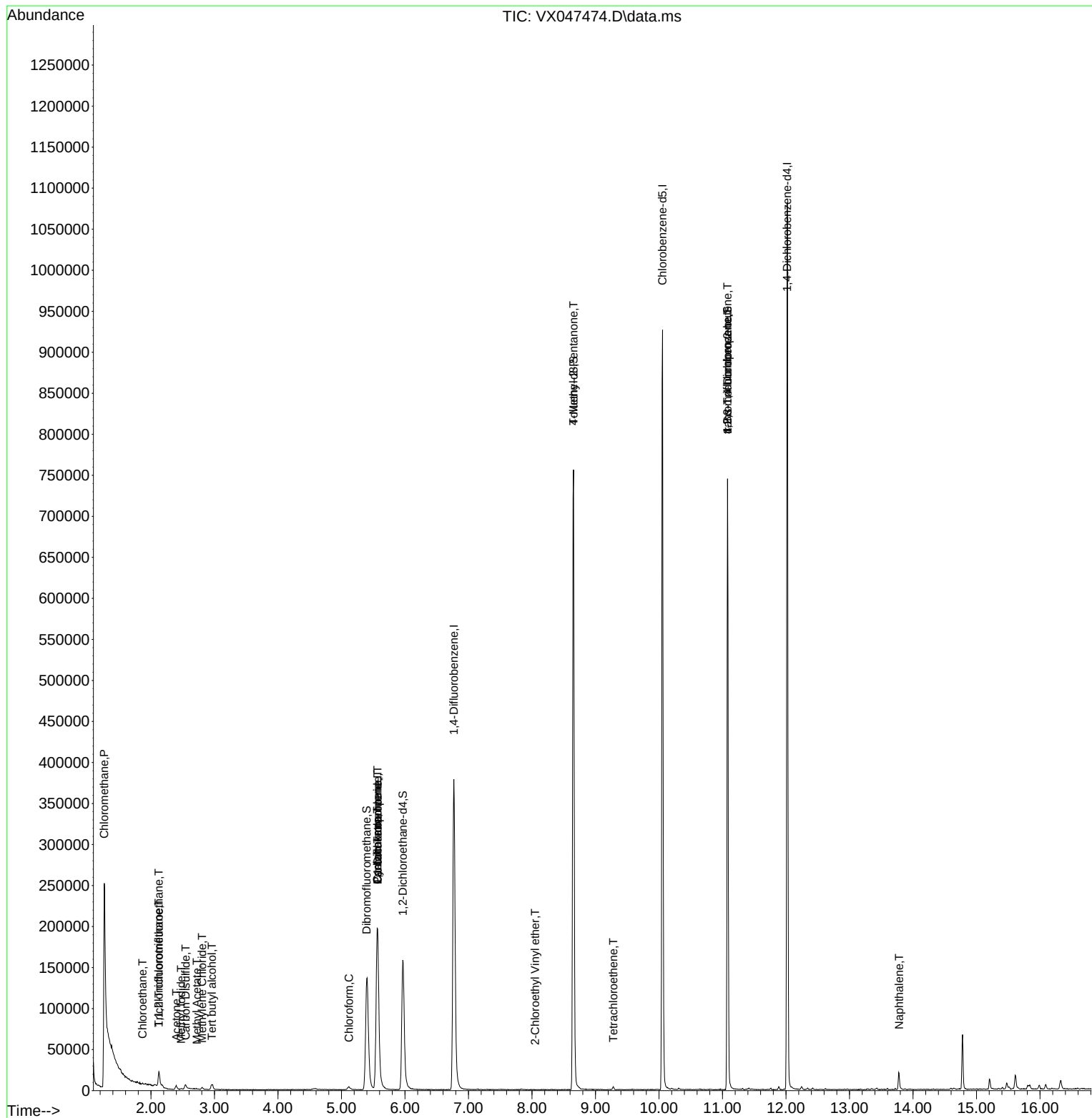
Internal Standards						
1) Pentafluorobenzene	5.568	168	198174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	406946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	409661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	216444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167156	60.269	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 120.540%#		
35) Dibromofluoromethane	5.397	113	131933	49.953	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.900%		
50) Toluene-d8	8.653	98	462622	49.006	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.020%		
62) 4-Bromofluorobenzene	11.079	95	203070	58.294	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 116.580%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	10495	4.618	ug/l #	41
6) Chloroethane	1.868	64	1571	0.900	ug/l #	44
7) Trichlorofluoromethane	2.124	101	889	0.211	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.124	101	889	0.363	ug/l #	20
10) Methyl Iodide	2.477	142	1613	0.385	ug/l #	92
11) Tert butyl alcohol	2.959	59	3428	14.208	ug/l #	76
16) Acetone	2.398	43	5552	5.326	ug/l	94
17) Carbon Disulfide	2.544	76	3586	0.476	ug/l #	93
18) Methyl Acetate	2.721	43	563	0.208	ug/l #	53
20) Methylene Chloride	2.806	84	1045	0.379	ug/l #	89
30) Chloroform	5.117	83	4374	0.885	ug/l #	82
31) Cyclohexane	5.562	56	4222	0.946	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	16786	4.026	ug/l #	51
38) Carbon Tetrachloride	5.568	117	21557	4.732	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	2167	0.606	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.049	63	23	8.366	ug/l #	46
64) Tetrachloroethene	9.281	164	636	0.215	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	104528	26.331	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	104528	104.316	ug/l #	7
95) Naphthalene	13.780	128	15998	1.113	ug/l	98

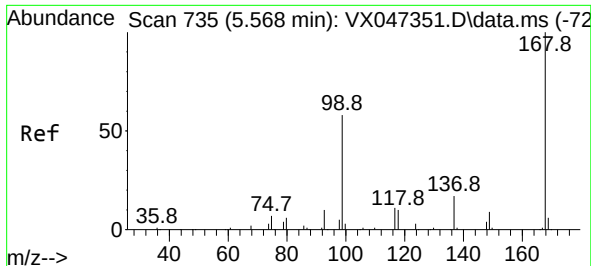
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

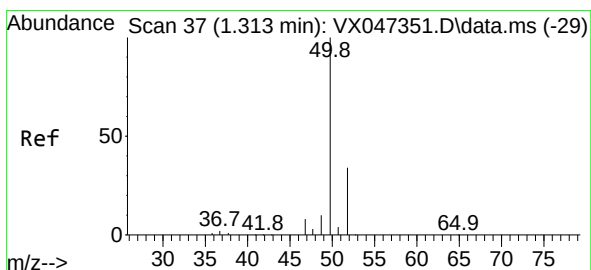
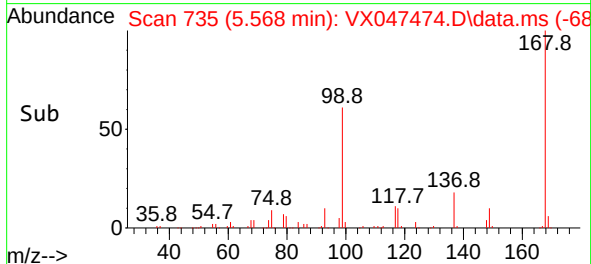
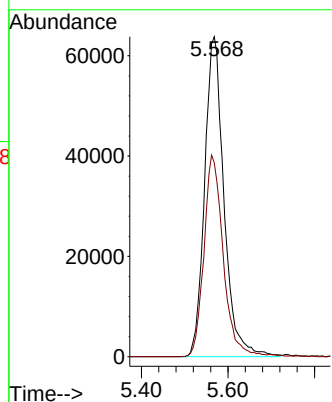
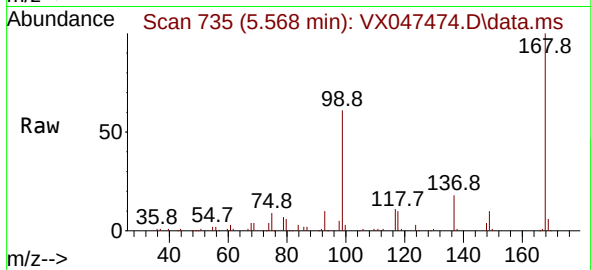




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

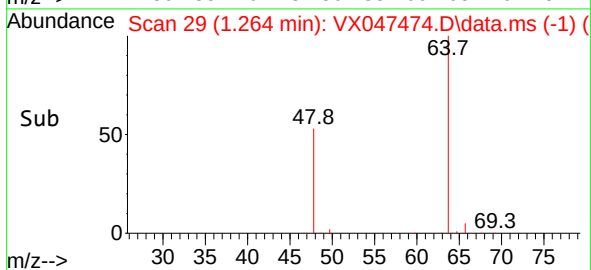
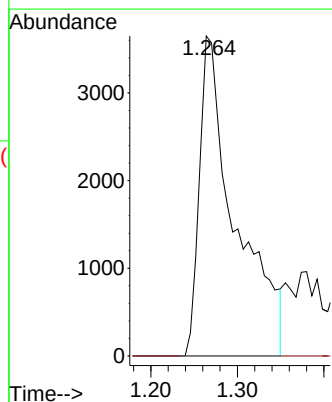
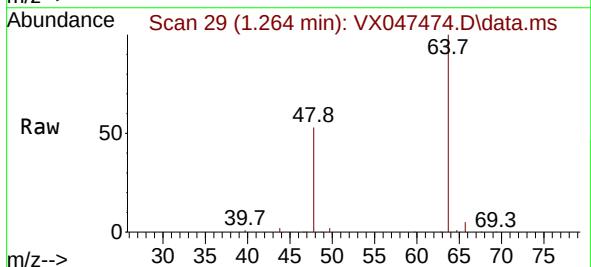
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

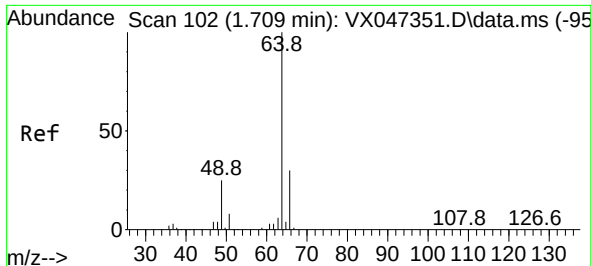
Tgt Ion:168 Resp: 198174
Ion Ratio Lower Upper
168 100
99 60.6 47.9 71.9



#3
Chloromethane
Concen: 4.618 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.049 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion: 50 Resp: 10495
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

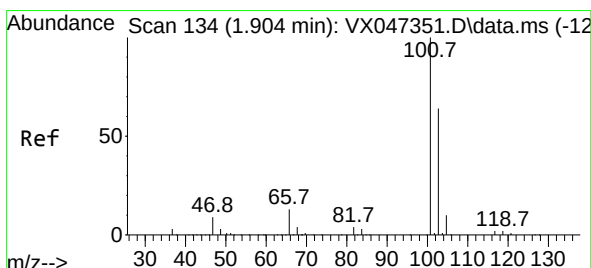
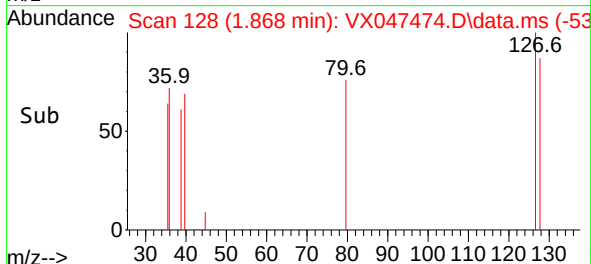
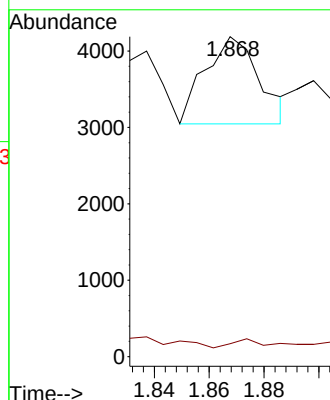
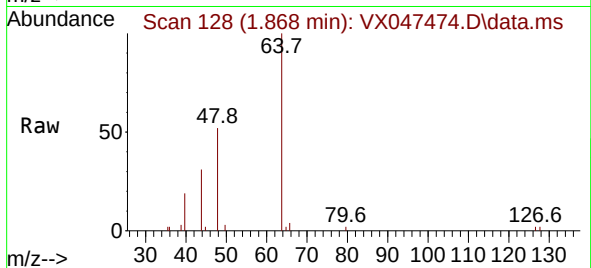




#6
Chloroethane
Concen: 0.900 ug/l
RT: 1.868 min Scan# 11
Delta R.T. 0.159 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

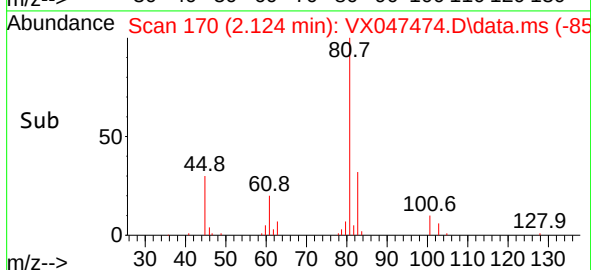
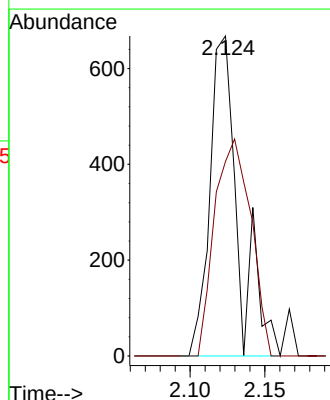
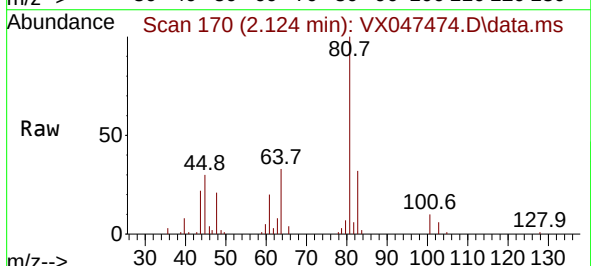
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

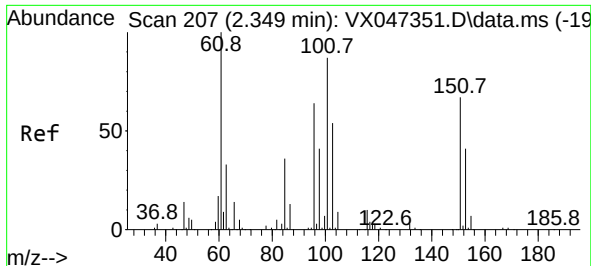
Tgt Ion: 64 Resp: 1571
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#7
Trichlorofluoromethane
Concen: 0.211 ug/l
RT: 2.124 min Scan# 170
Delta R.T. 0.220 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion:101 Resp: 889
Ion Ratio Lower Upper
101 100
103 60.8 50.9 76.3

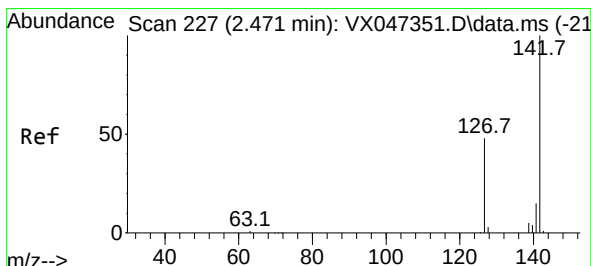
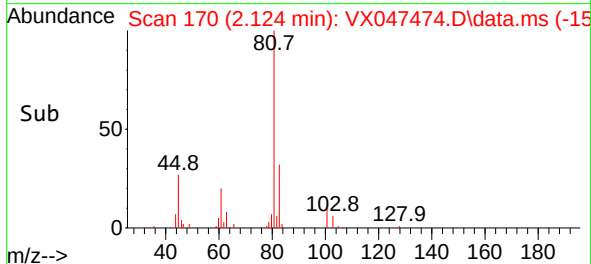
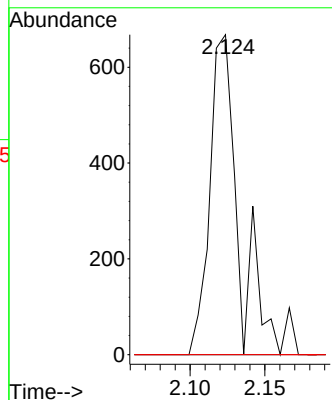
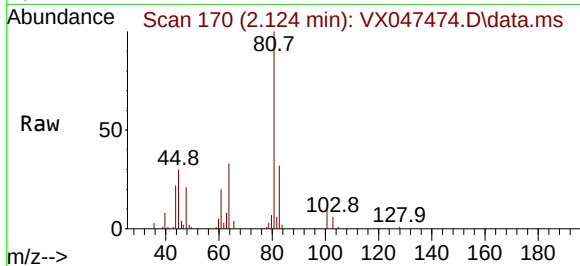




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.363 ug/l
 RT: 2.124 min Scan# 11
 Delta R.T. -0.225 min
 Lab File: VX047474.D
 Acq: 21 Aug 2025 16:35

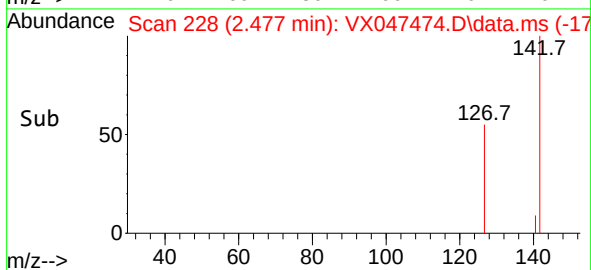
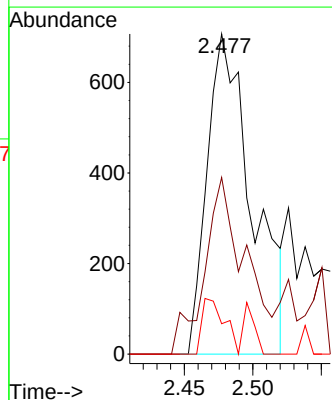
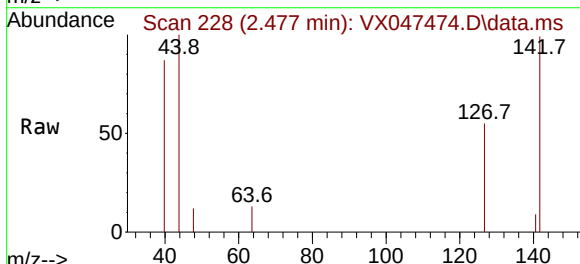
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-081825

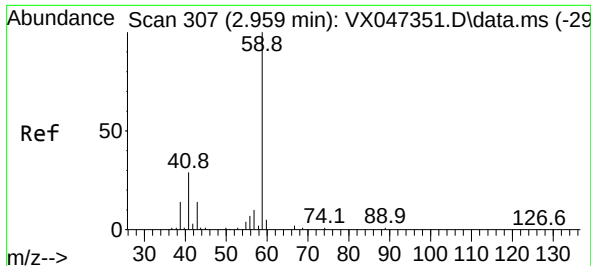
Tgt Ion:101 Resp: 889
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.3 51.5#
 151 0.0 59.2 88.8#



#10
 Methyl Iodide
 Concen: 0.385 ug/l
 RT: 2.477 min Scan# 228
 Delta R.T. 0.006 min
 Lab File: VX047474.D
 Acq: 21 Aug 2025 16:35

Tgt Ion:142 Resp: 1613
 Ion Ratio Lower Upper
 142 100
 127 49.7 36.1 54.1
 141 8.6 11.1 16.7#

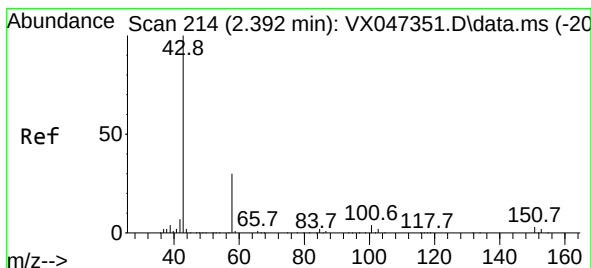
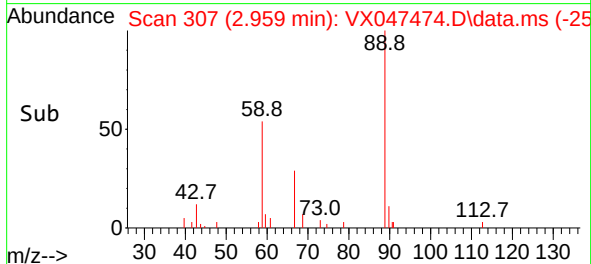
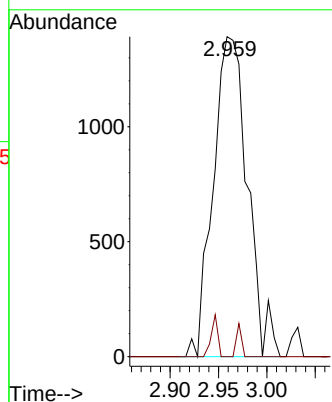
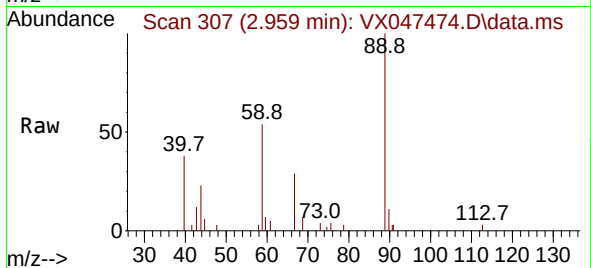




#11
Tert butyl alcohol
Concen: 14.208 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

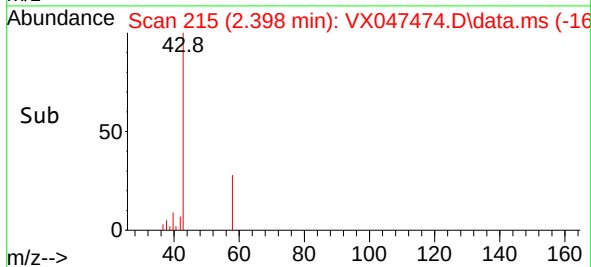
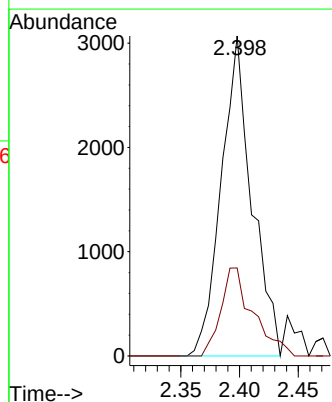
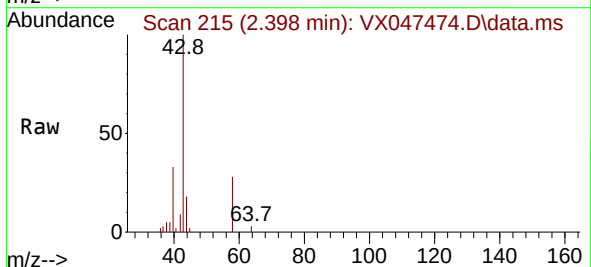
Instrument :
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ClientSampleId :
MW-17B-081825

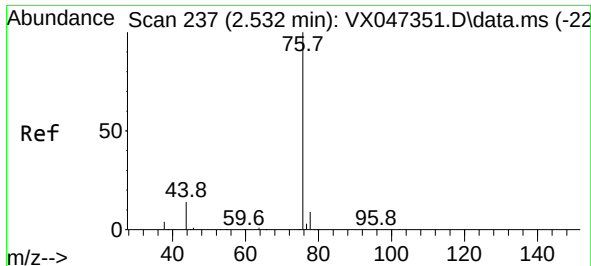
Tgt Ion: 59 Resp: 3428
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#



#16
Acetone
Concen: 5.326 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion: 43 Resp: 5552
Ion Ratio Lower Upper
43 100
58 27.5 24.8 37.2

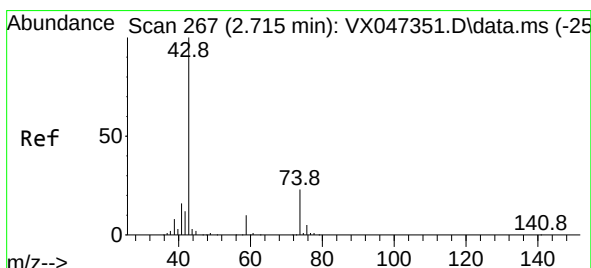
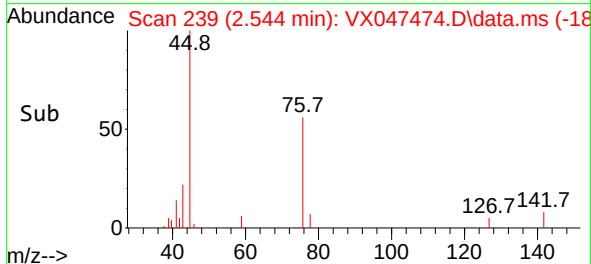
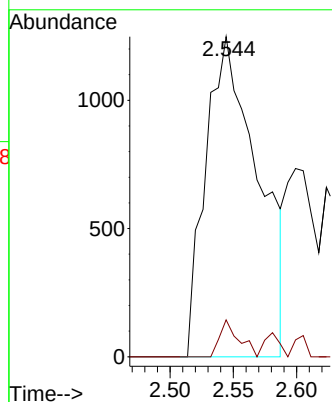
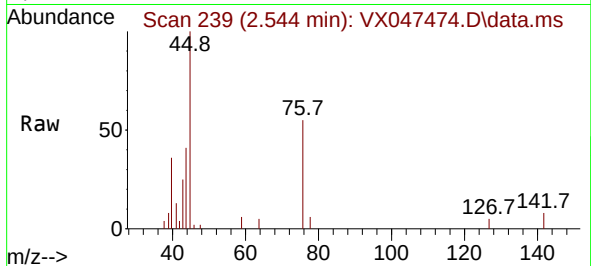




#17
Carbon Disulfide
Concen: 0.476 ug/l
RT: 2.544 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

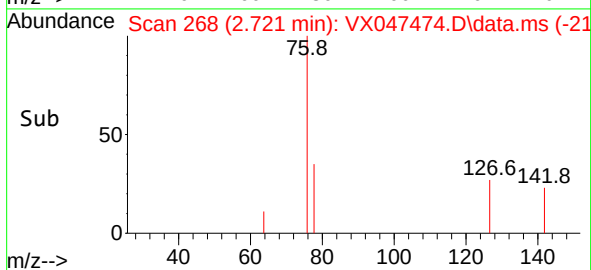
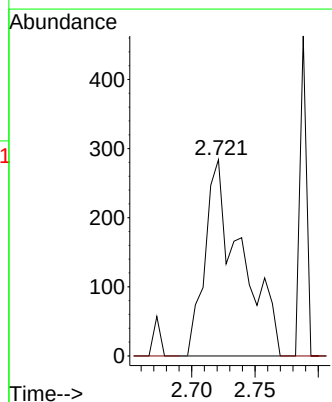
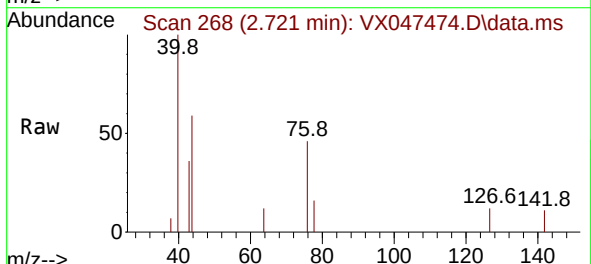
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

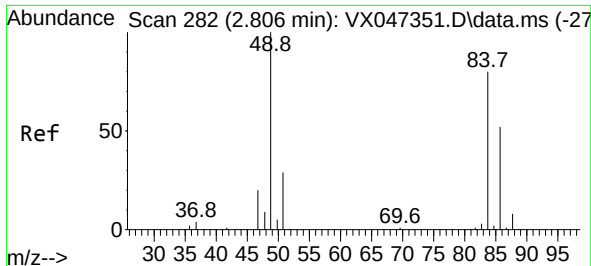
Tgt Ion: 76 Resp: 3586
Ion Ratio Lower Upper
76 100
78 11.5 7.2 10.8#



#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#

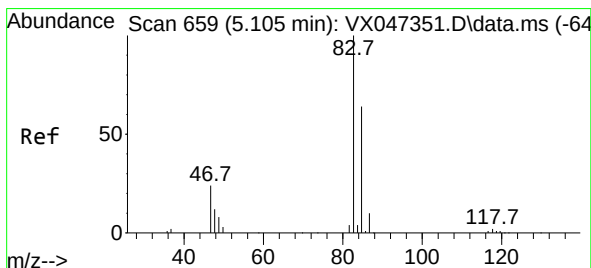
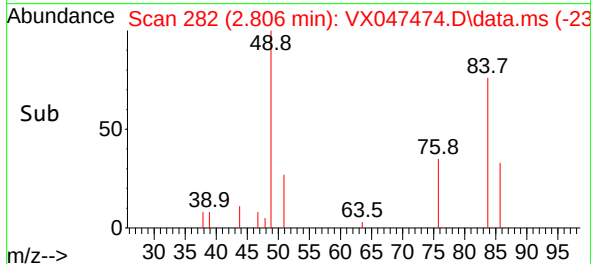
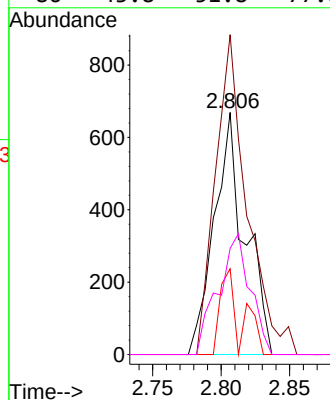
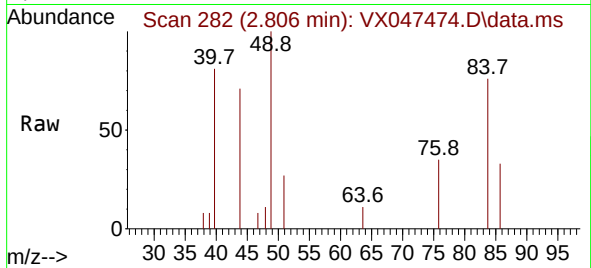




#20
Methylene Chloride
Concen: 0.379 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

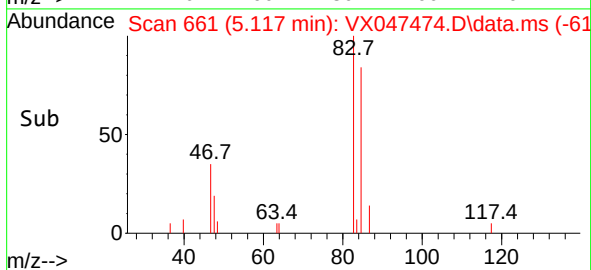
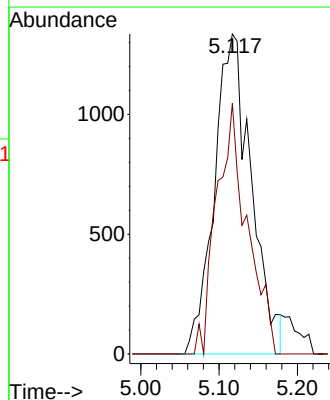
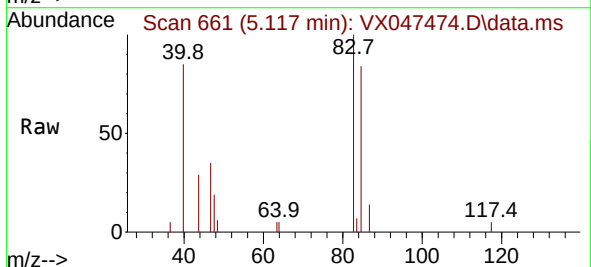
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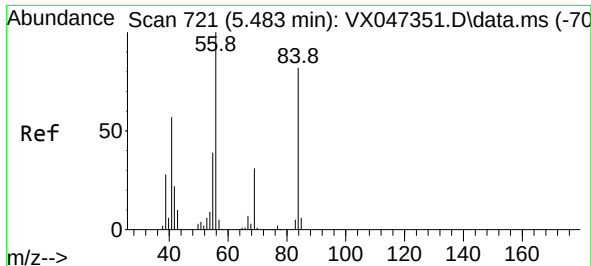
Tgt Ion:	84	Resp:	1045
Ion	Ratio	Lower	Upper
84	100		
49	132.1	100.1	150.1
51	35.4	29.5	44.3
86	43.8	51.8	77.8



#30
Chloroform
Concen: 0.885 ug/l
RT: 5.117 min Scan# 661
Delta R.T. 0.012 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion:	83	Resp:	4374
Ion	Ratio	Lower	Upper
83	100		
85	78.4	51.2	76.8

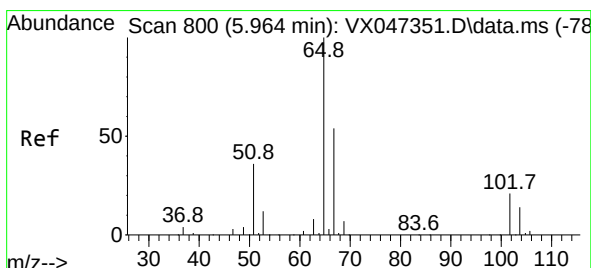
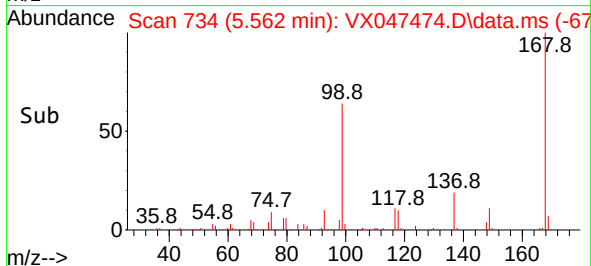
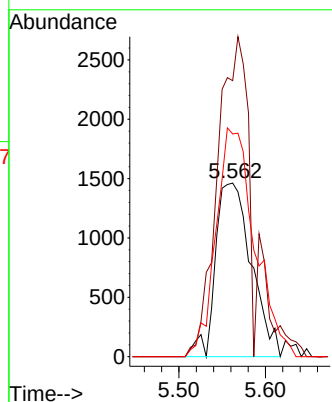
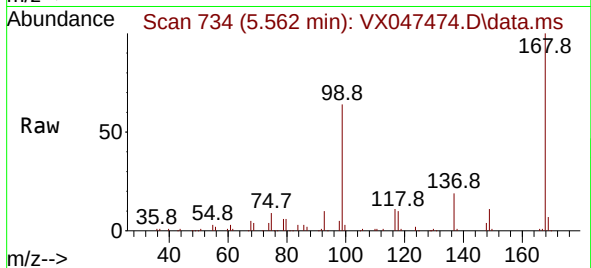




#31
Cyclohexane
Concen: 0.946 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

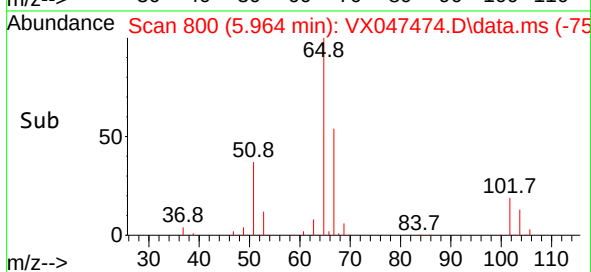
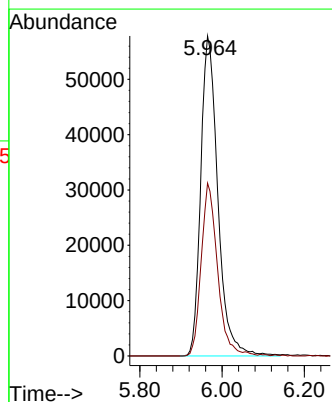
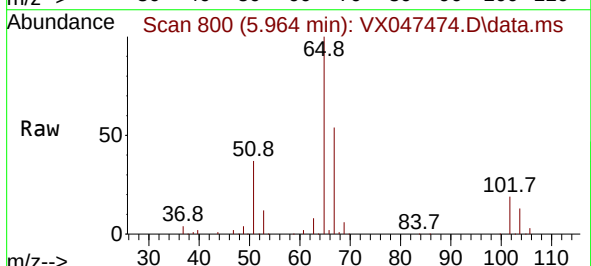
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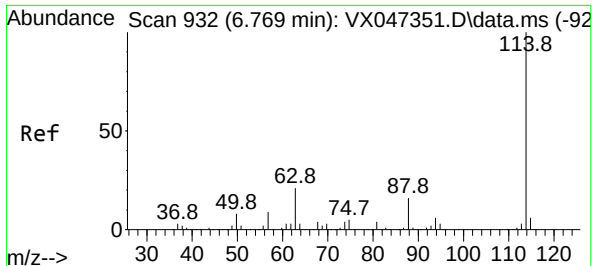
Tgt Ion: 56 Resp: 4222
Ion Ratio Lower Upper
56 100
69 159.0 24.3 36.5#
84 128.2 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 60.269 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion: 65 Resp: 167156
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.0

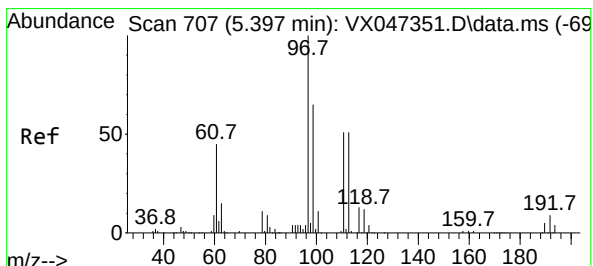
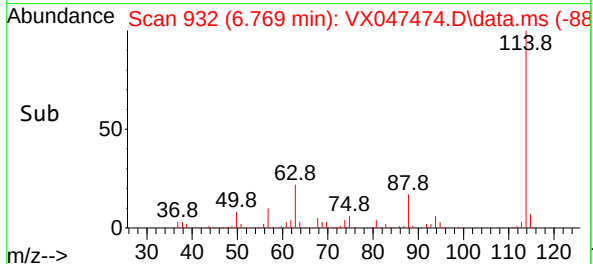
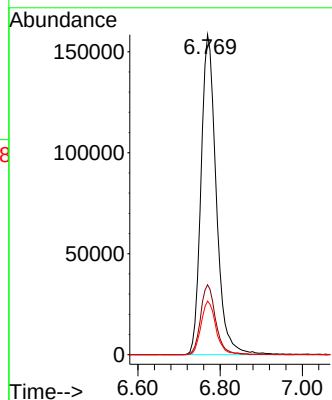
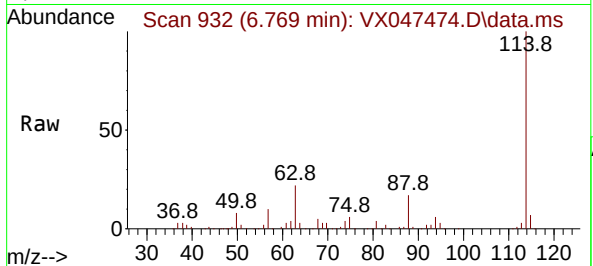




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

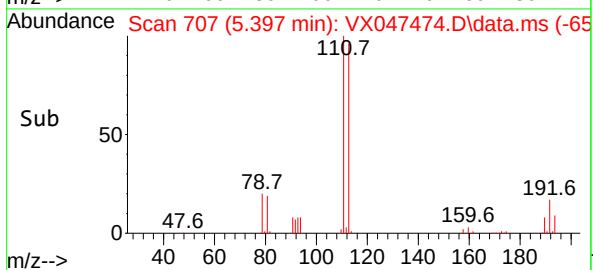
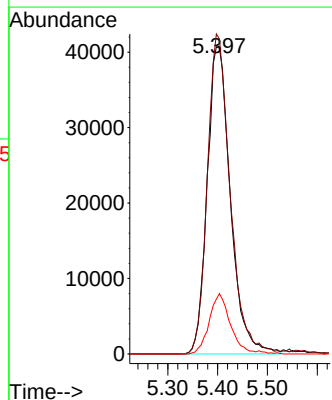
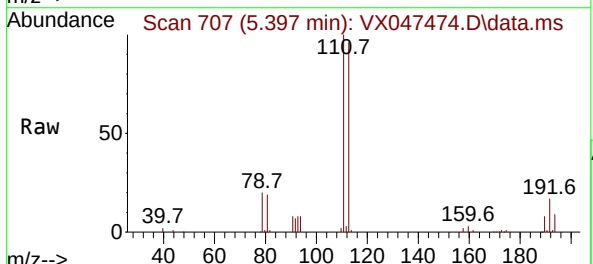
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

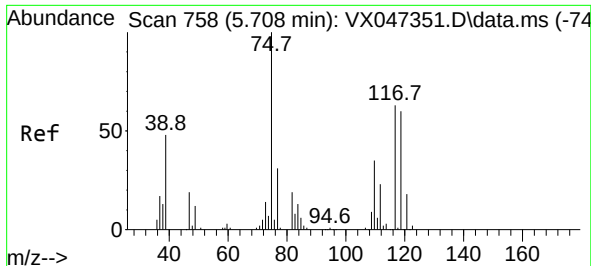
Tgt Ion:114 Resp: 406946
Ion Ratio Lower Upper
114 100
63 21.9 0.0 42.4
88 16.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.953 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion:113 Resp: 131933
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.2
192 17.7 14.1 21.1

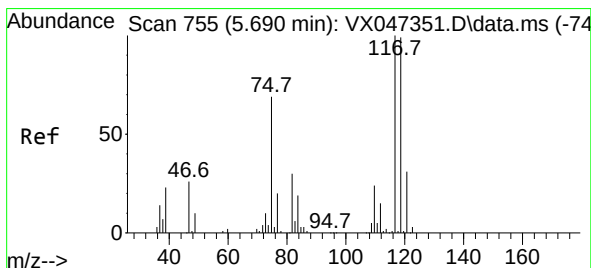
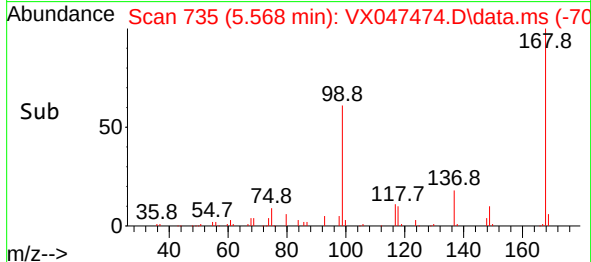
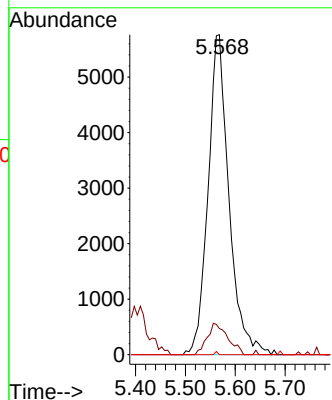
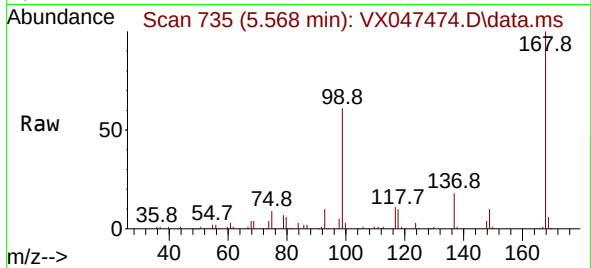




#36
1,1-Dichloropropene
Concen: 4.026 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

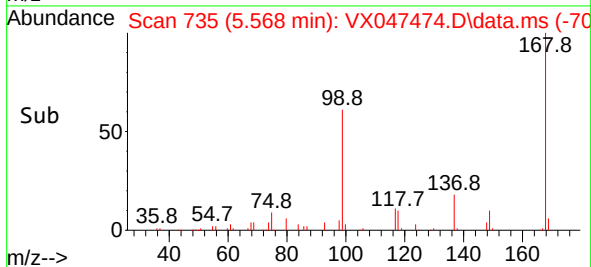
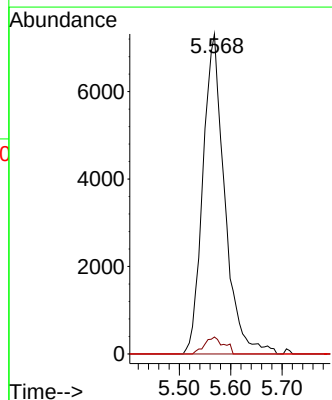
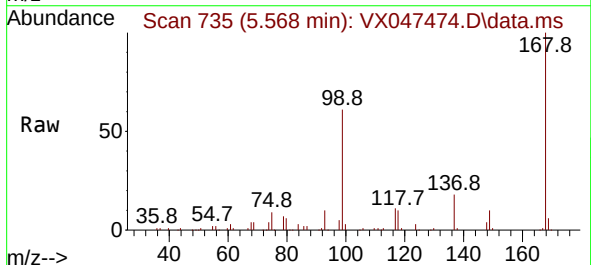
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

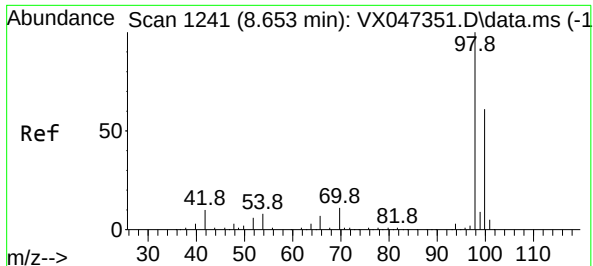
Tgt Ion: 75 Resp: 16786
Ion Ratio Lower Upper
75 100
110 9.6 17.4 52.2#
77 0.1 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.732 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion: 117 Resp: 21557
Ion Ratio Lower Upper
117 100
119 5.3 78.5 117.7#
121 0.0 24.7 37.1#

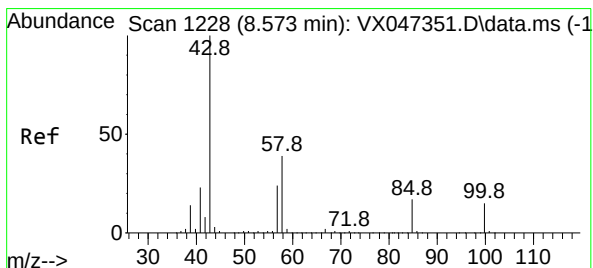
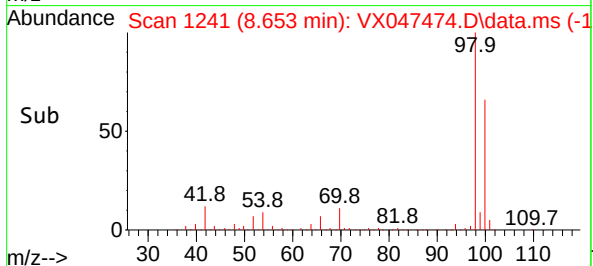
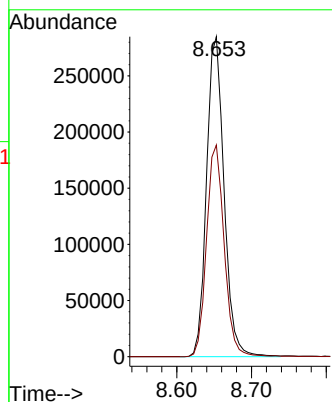
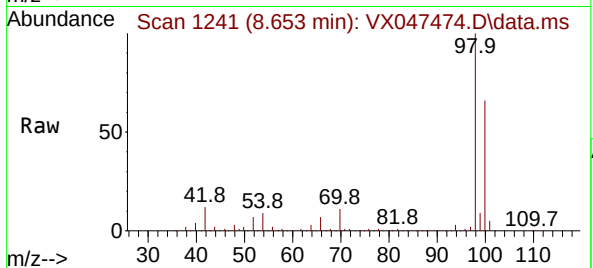




#50
Toluene-d8
Concen: 49.006 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

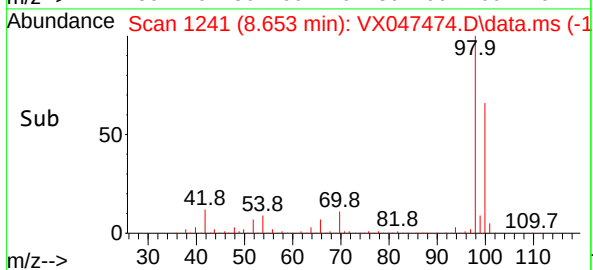
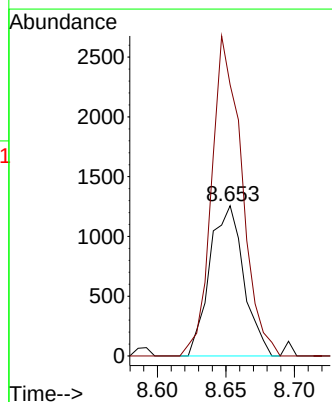
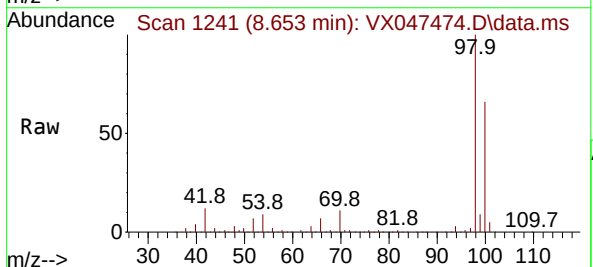
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

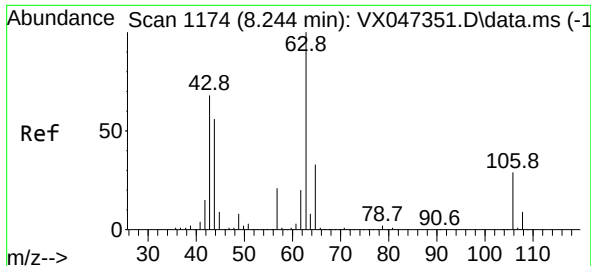
Tgt Ion: 98 Resp: 462622
Ion Ratio Lower Upper
98 100
100 66.8 53.9 80.9



#51
4-Methyl-2-Pentanone
Concen: 0.606 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion: 43 Resp: 2167
Ion Ratio Lower Upper
43 100
58 189.3 31.2 46.8

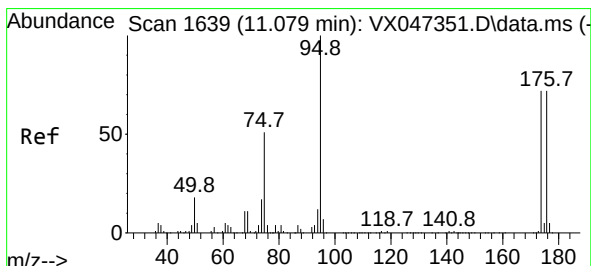
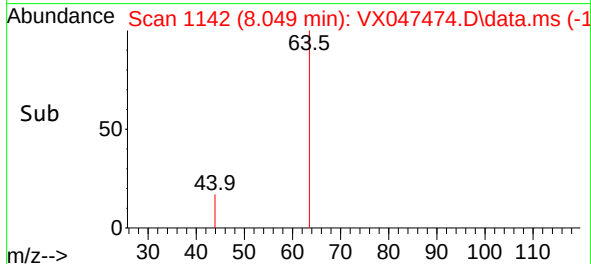
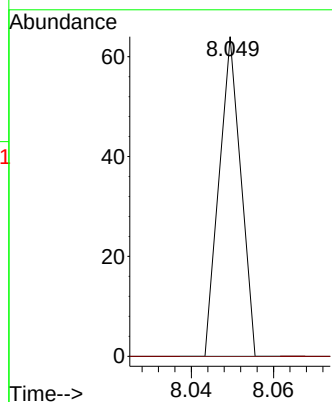
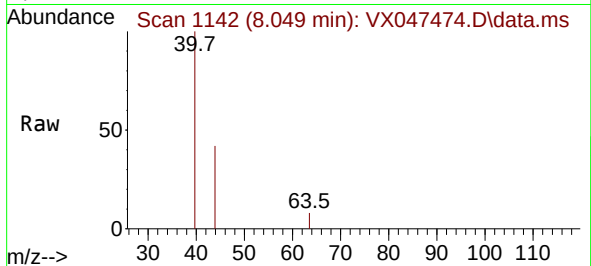




#58
2-Chloroethyl Vinyl ether
Concen: 8.366 ug/l
RT: 8.049 min Scan# 1174
Delta R.T. -0.195 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

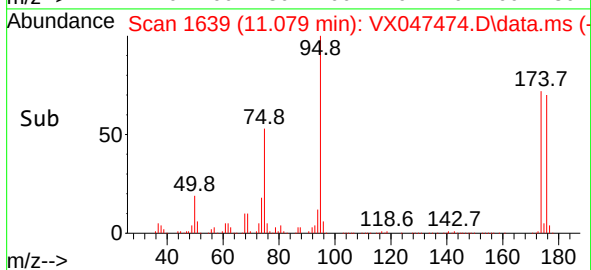
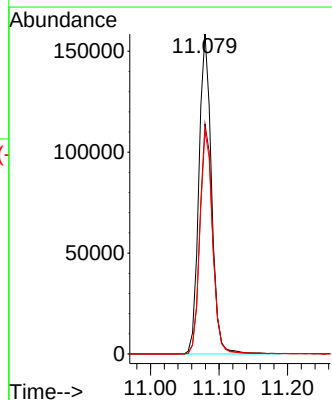
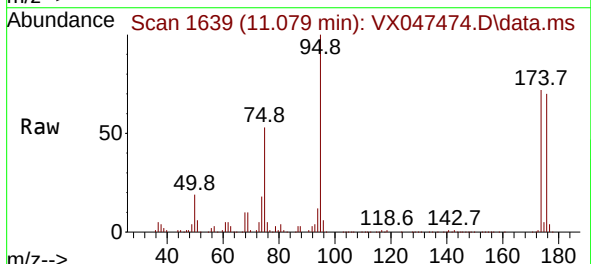
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

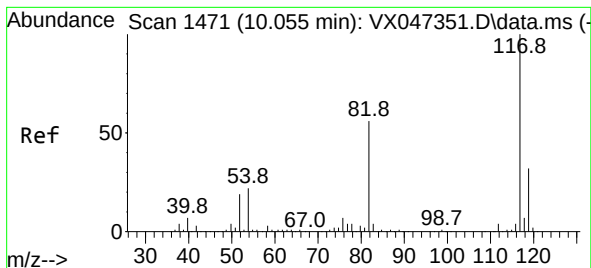
Tgt Ion: 63 Resp: 23
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 58.294 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion: 95 Resp: 203070
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.0
176 70.3 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047474.D

Acq: 21 Aug 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

MW-17B-081825

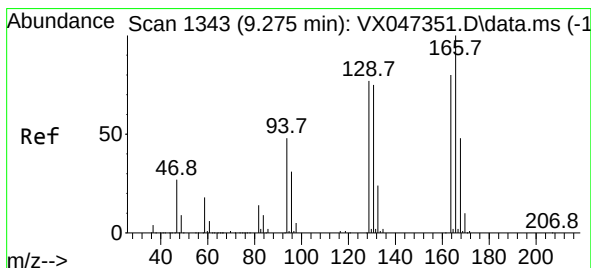
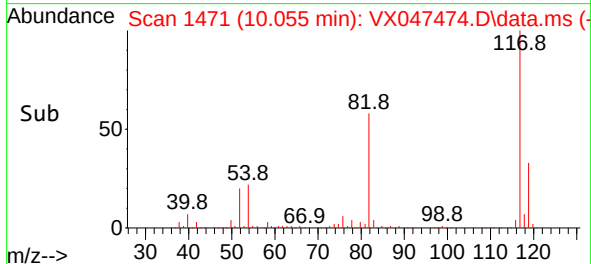
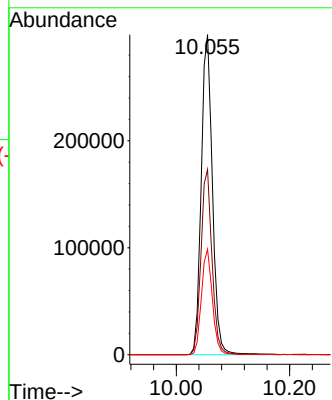
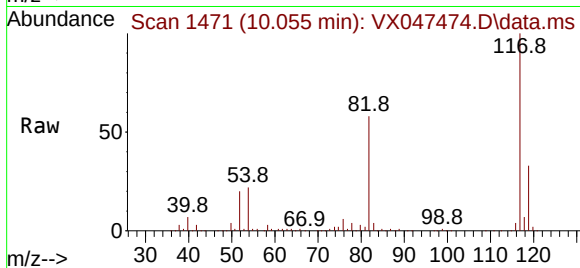
Tgt Ion:117 Resp: 409661

Ion Ratio Lower Upper

117 100

82 57.9 45.0 67.4

119 32.9 25.8 38.8



#64

Tetrachloroethene

Concen: 0.215 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX047474.D

Acq: 21 Aug 2025 16:35

Tgt Ion:164 Resp: 636

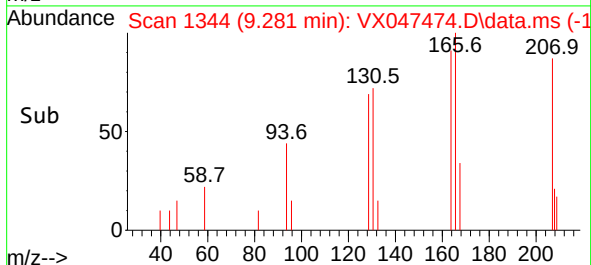
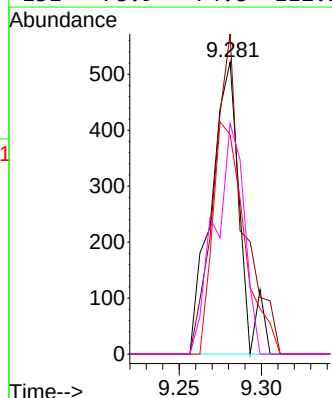
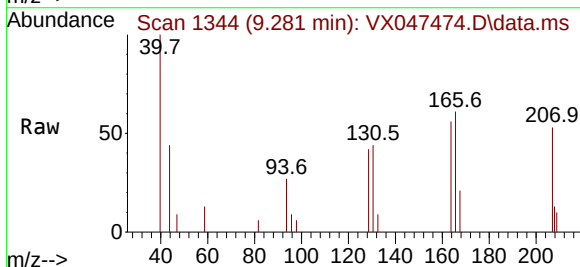
Ion Ratio Lower Upper

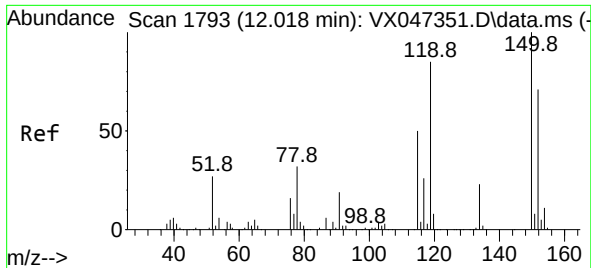
164 100

166 109.6 100.3 150.5

129 75.1 77.7 116.5#

131 78.9 74.8 112.2

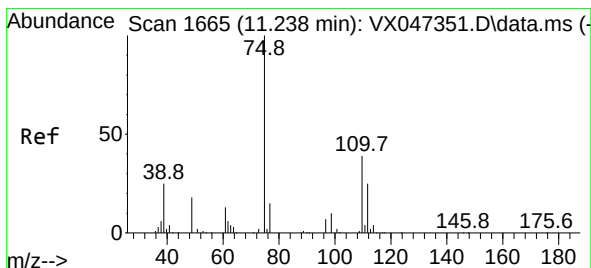
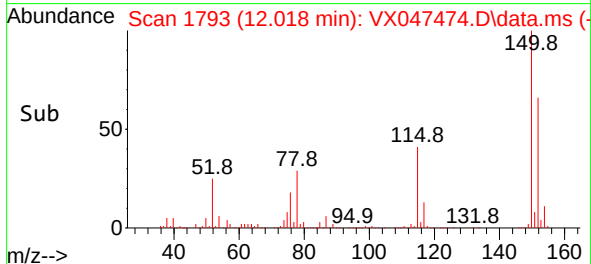
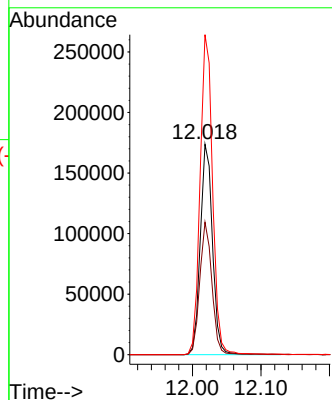
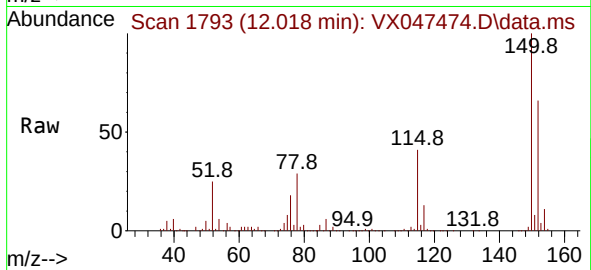




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047474.D
 Acq: 21 Aug 2025 16:35

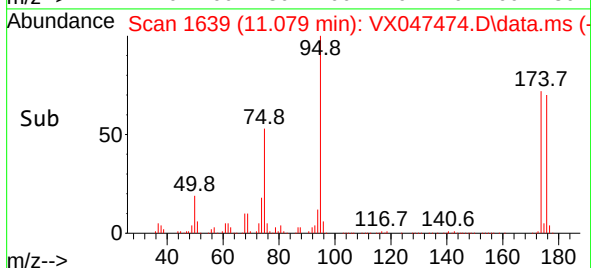
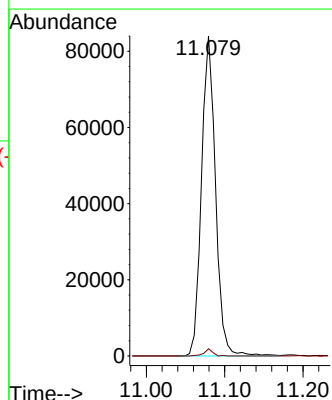
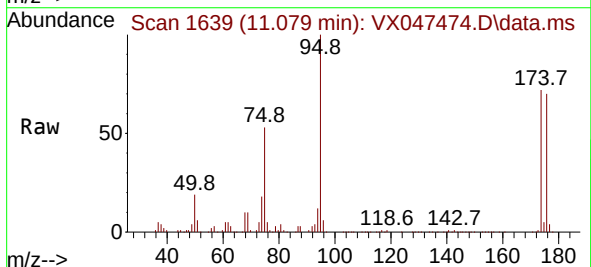
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-081825

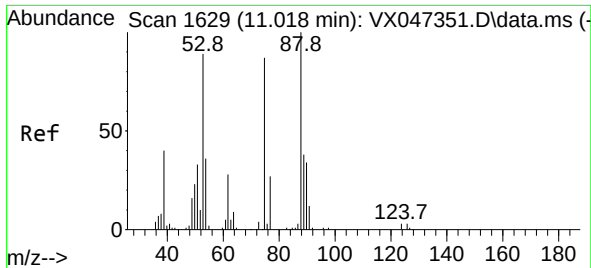
Tgt Ion:152 Resp: 216444
 Ion Ratio Lower Upper
 152 100
 115 62.8 44.6 133.8
 150 155.4 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 26.331 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047474.D
 Acq: 21 Aug 2025 16:35

Tgt Ion: 75 Resp: 104528
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.4 58.2#

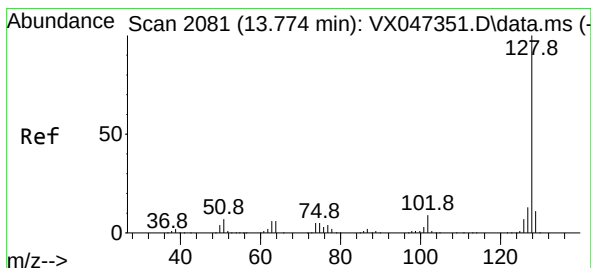
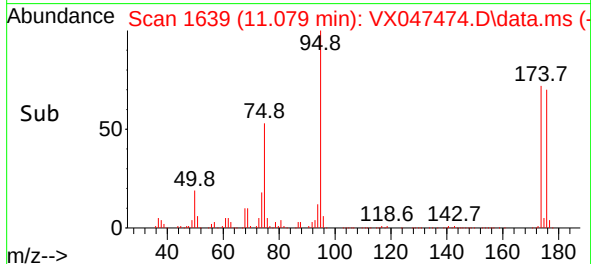
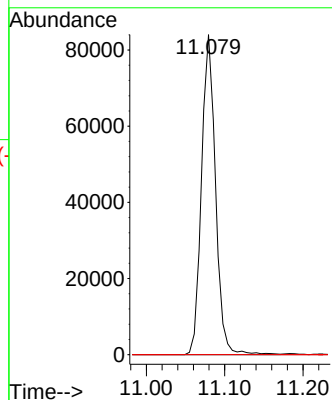
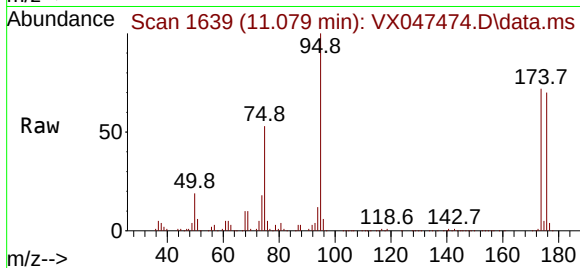




#81
trans-1,4-Dichloro-2-butene
Concen: 104.316 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Tgt Ion: 75 Resp: 104528
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 1.113 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion:128 Resp: 15998
Ion Ratio Lower Upper
128 100
127 11.3 10.1 15.1
129 10.9 8.7 13.1

