

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048135.D
 Acq On : 13 Oct 2025 12:46
 Operator : JC/MD
 Sample : Q3311-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-214D

Quant Time: Oct 14 01:53:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

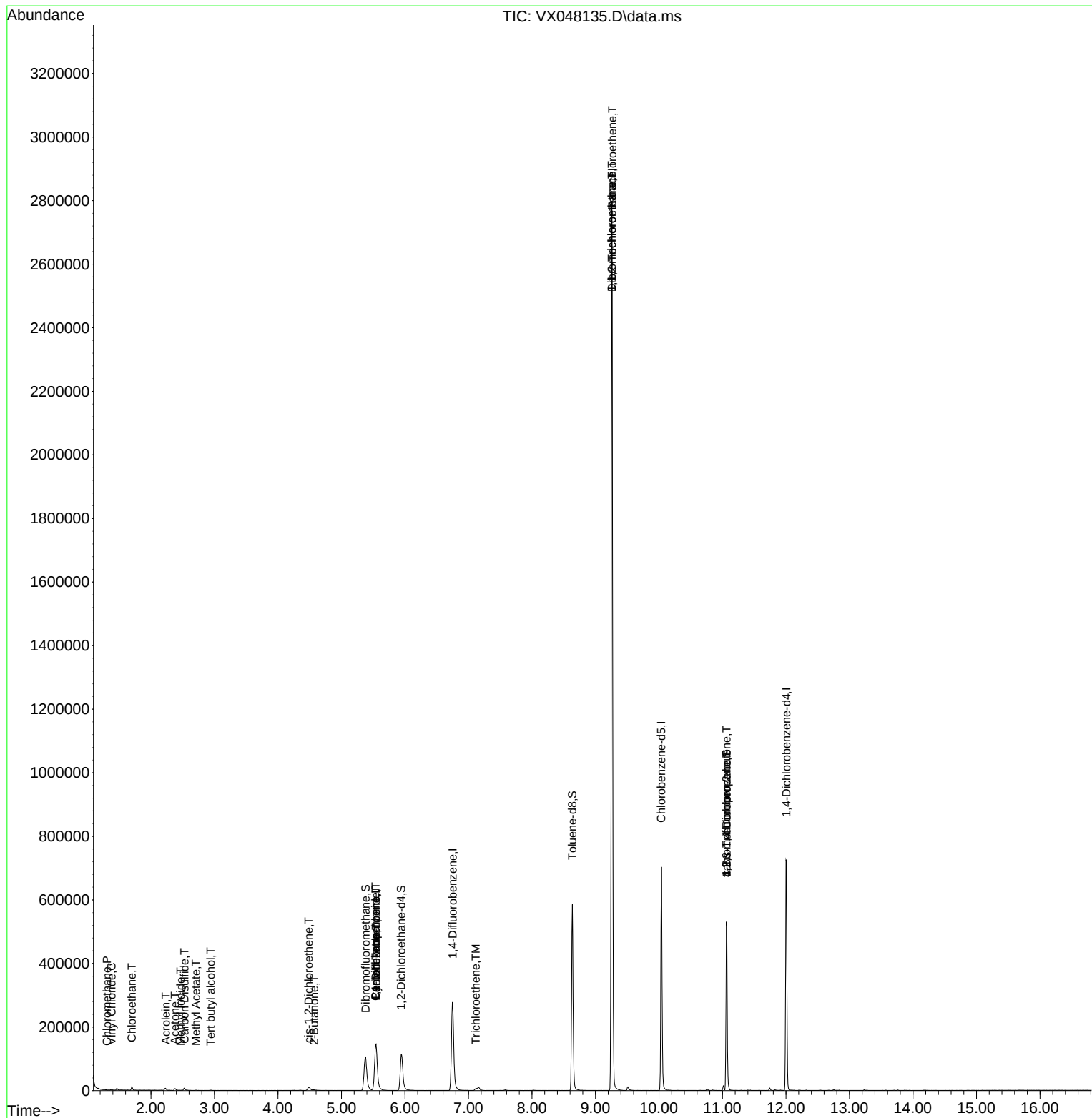
Internal Standards						
1) Pentafluorobenzene	5.544	168	145817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	302188	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	311267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125049	53.876	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.760%	
35) Dibromofluoromethane	5.379	113	102469	50.561	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.120%	
50) Toluene-d8	8.635	98	352570	50.277	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	11.061	95	151759	57.022	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	407	0.205	ug/l #	42
4) Vinyl Chloride	1.380	62	711	0.366	ug/l #	74
6) Chloroethane	1.697	64	7422	5.716	ug/l	92
10) Methyl Iodide	2.465	142	527	0.200	ug/l #	87
11) Tert butyl alcohol	2.941	59	223	0.863	ug/l #	72
13) Acrolein	2.233	56	234	0.982	ug/l #	26
16) Acetone	2.380	43	7850	7.778	ug/l	98
17) Carbon Disulfide	2.526	76	11310	2.385	ug/l	97
18) Methyl Acetate	2.709	43	981	0.437	ug/l #	86
25) 2-Butanone	4.568	43	4085	3.245	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	7101	3.109	ug/l	93
31) Cyclohexane	5.544	56	3250	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	12427	4.196	ug/l #	47
38) Carbon Tetrachloride	5.538	117	15456	4.804	ug/l #	18
44) Trichloroethene	7.117	130	2640	1.214	ug/l	91
55) 1,1,2-Trichloroethane	9.257	97	4948	2.316	ug/l #	1
60) Dibromochloromethane	9.257	129	525854	213.584	ug/l #	11
64) Tetrachloroethene	9.263	164	520386	256.457	ug/l	97
76) 1,2,3-Trichloropropane	11.061	75	80555	26.330	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	80555	67.145	ug/l #	8

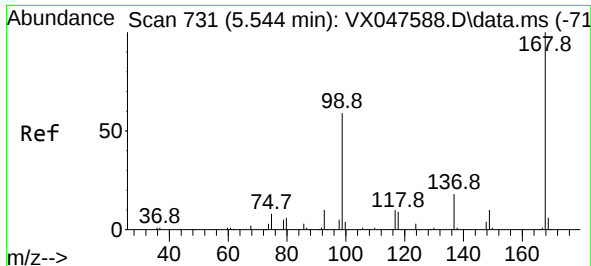
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
MW-214D

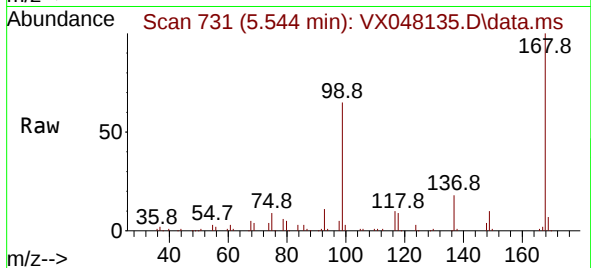
Quant Time: Oct 14 01:53:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



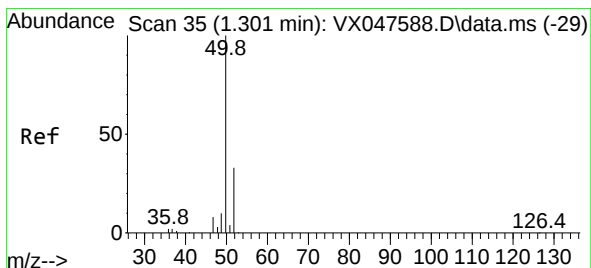
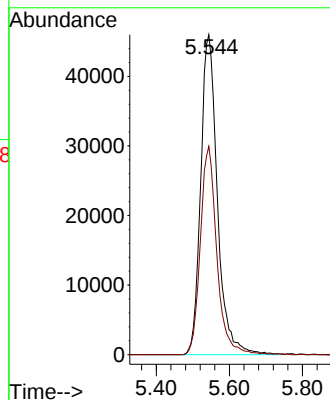
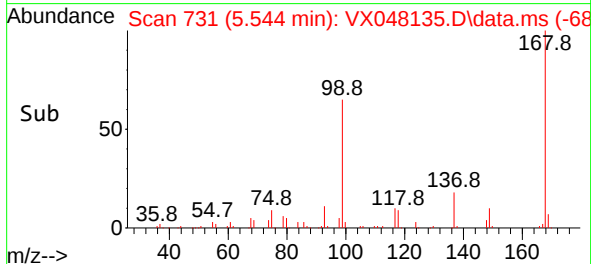


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
MW-214D

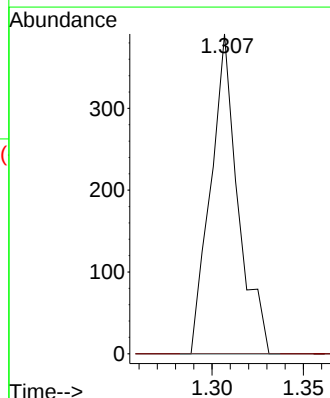
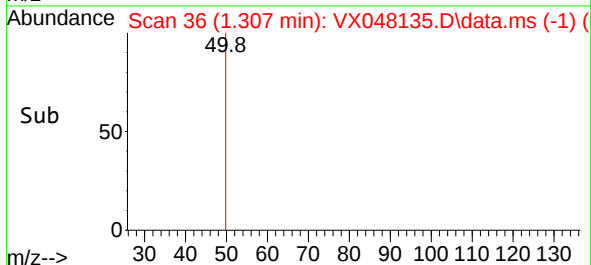
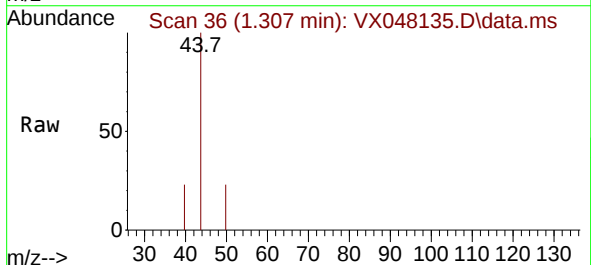


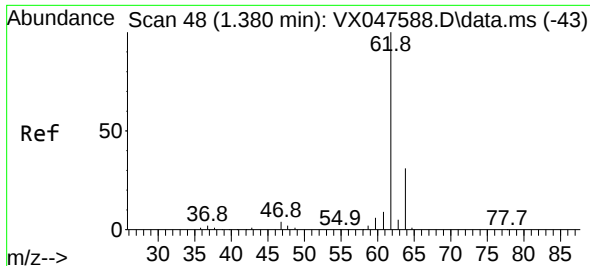
Tgt Ion:168 Resp: 145817
Ion Ratio Lower Upper
168 100
99 65.1 48.8 73.2



#3
Chloromethane
Concen: 0.205 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 50 Resp: 407
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

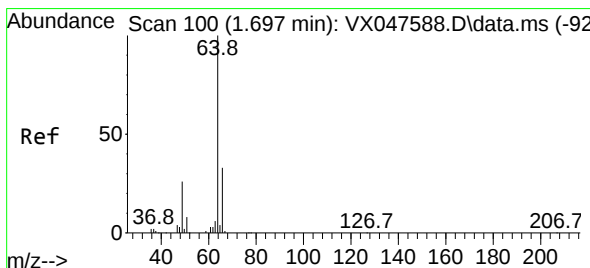
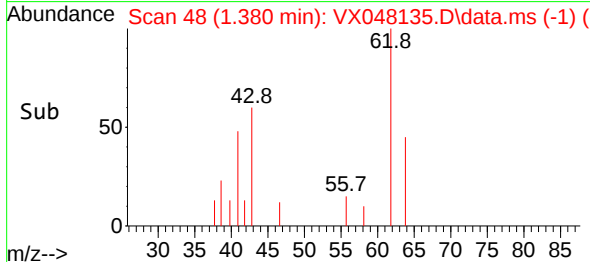
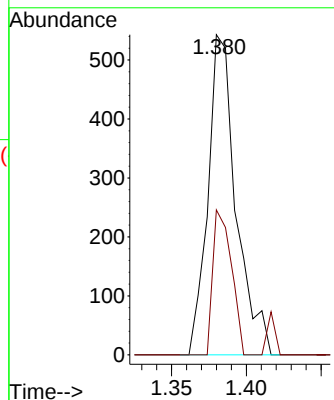
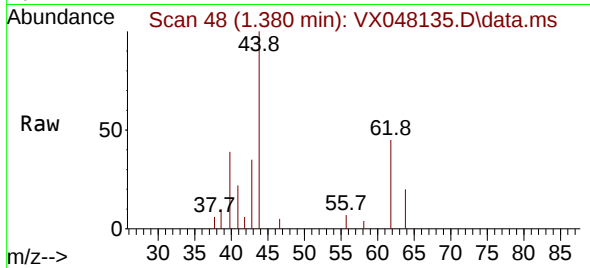




#4
 Vinyl Chloride
 Concen: 0.366 ug/l
 RT: 1.380 min Scan# 48
 Delta R.T. 0.000 min
 Lab File: VX048135.D
 Acq: 13 Oct 2025 12:46

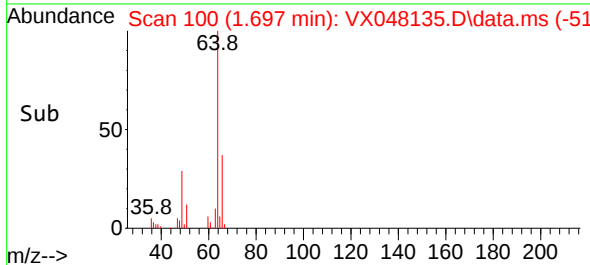
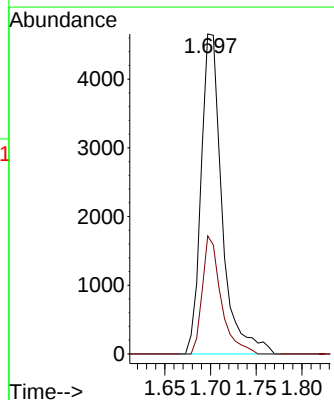
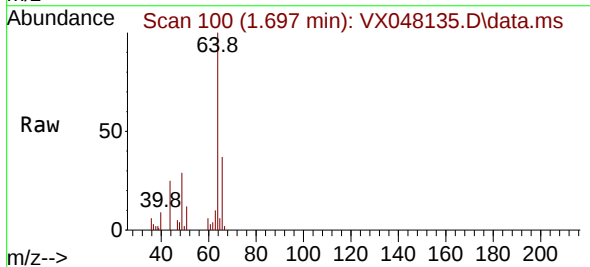
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-214D

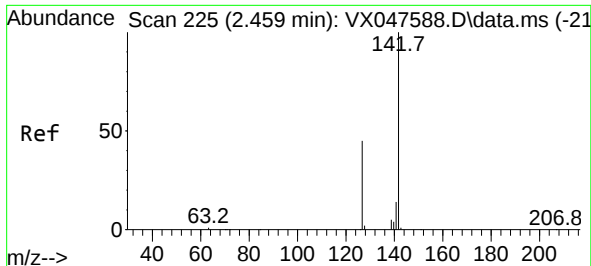
Tgt Ion: 62 Resp: 711
 Ion Ratio Lower Upper
 62 100
 64 45.3 24.9 37.3#



#6
 Chloroethane
 Concen: 5.716 ug/l
 RT: 1.697 min Scan# 100
 Delta R.T. 0.000 min
 Lab File: VX048135.D
 Acq: 13 Oct 2025 12:46

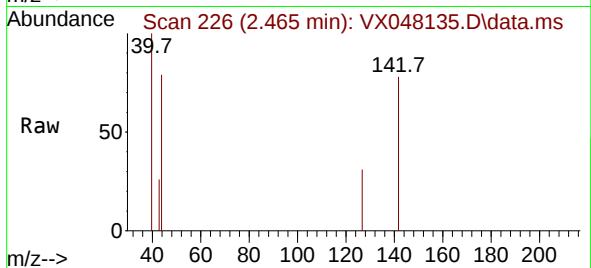
Tgt Ion: 64 Resp: 7422
 Ion Ratio Lower Upper
 64 100
 66 36.9 26.1 39.1



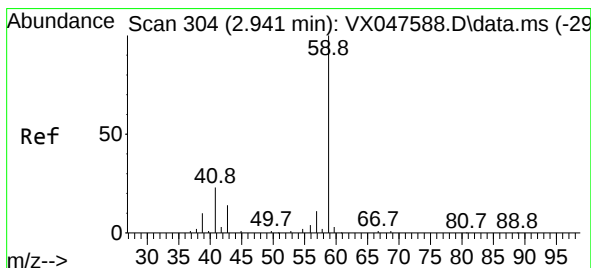
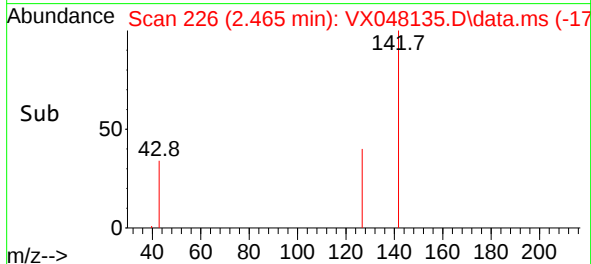
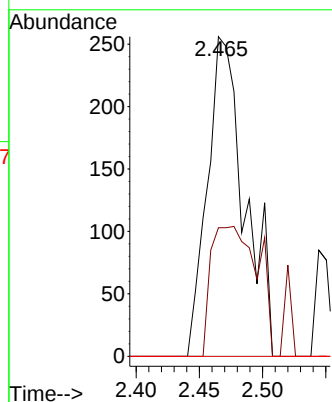


#10
Methyl Iodide
Concen: 0.200 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
MW-214D

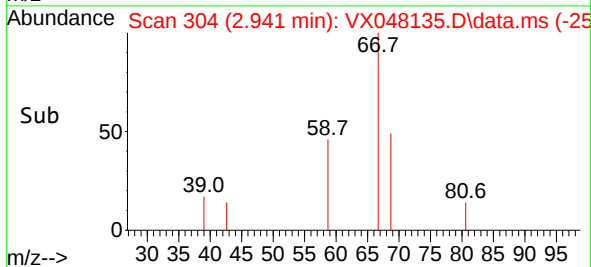
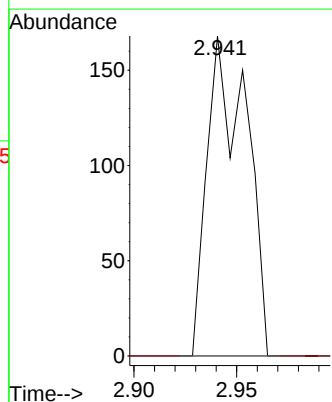
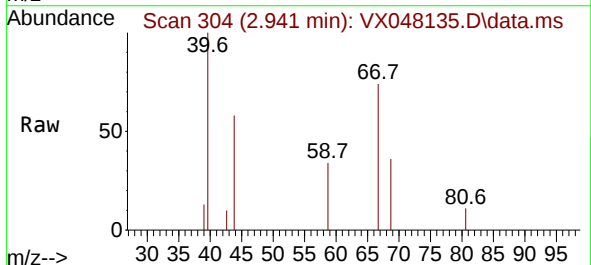


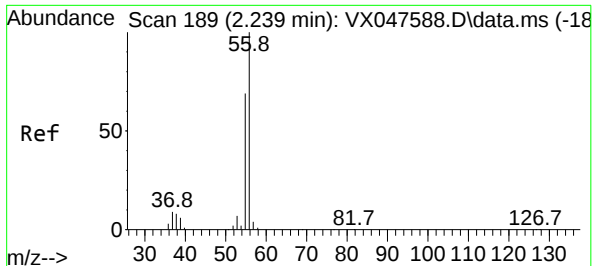
Tgt Ion:142 Resp: 527
Ion Ratio Lower Upper
142 100
127 50.7 37.2 55.8
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.863 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

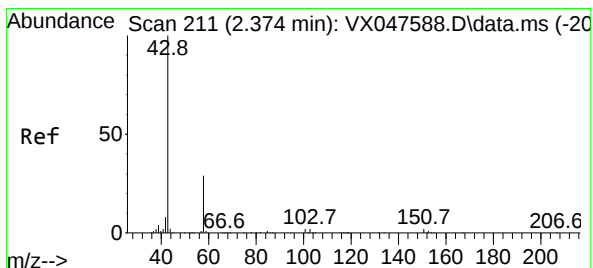
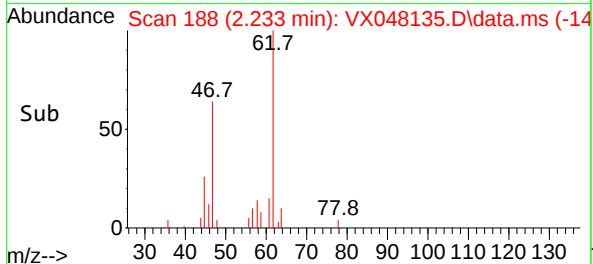
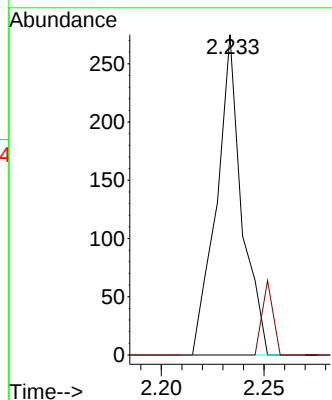
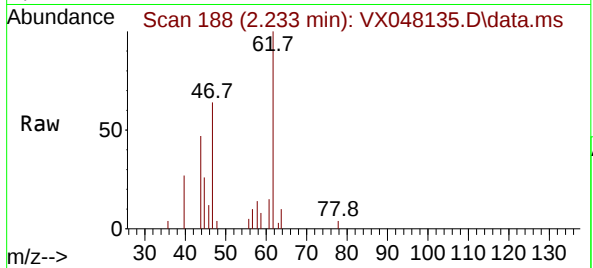




#13
Acrolein
Concen: 0.982 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

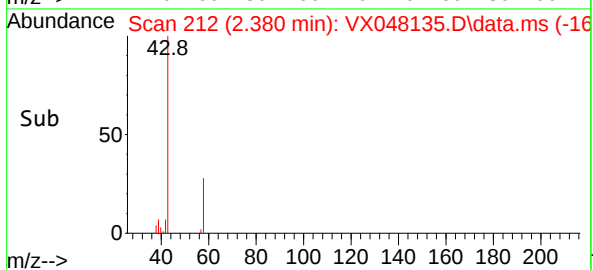
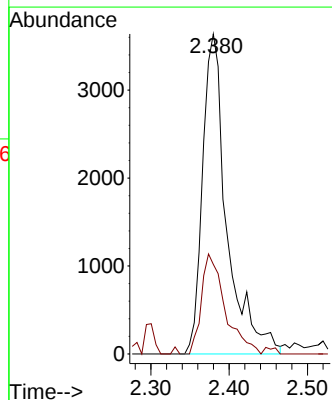
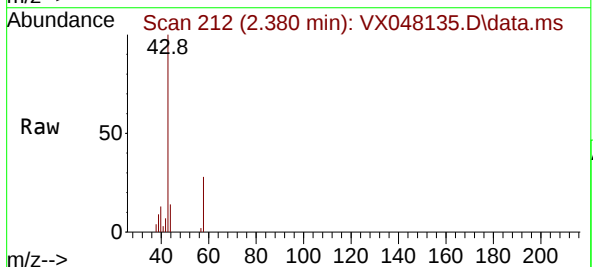
Instrument :
MSVOA_X
ClientSampleId :
MW-214D

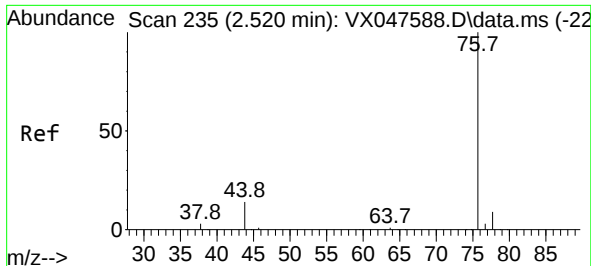
Tgt Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 9.8 57.2 85.8#



#16
Acetone
Concen: 7.778 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 43 Resp: 7850
Ion Ratio Lower Upper
43 100
58 28.0 23.4 35.0





#17

Carbon Disulfide

Concen: 2.385 ug/l

RT: 2.526 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX048135.D

Acq: 13 Oct 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

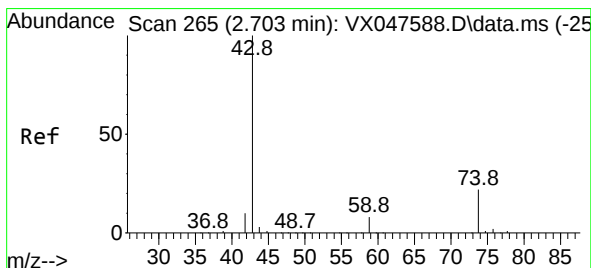
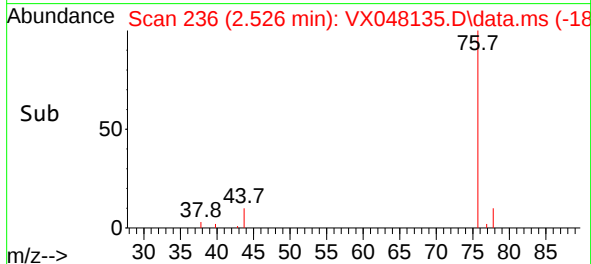
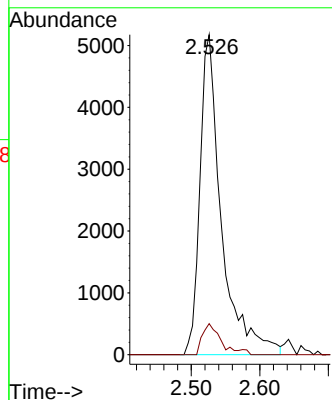
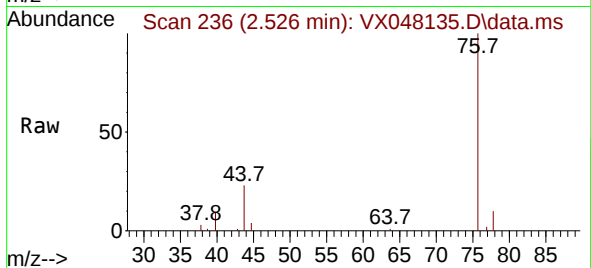
MW-214D

Tgt Ion: 76 Resp: 11310

Ion Ratio Lower Upper

76 100

78 9.7 6.8 10.2



#18

Methyl Acetate

Concen: 0.437 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX048135.D

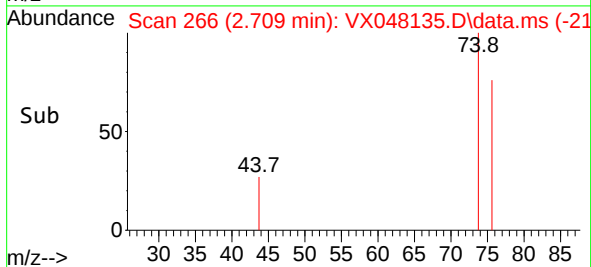
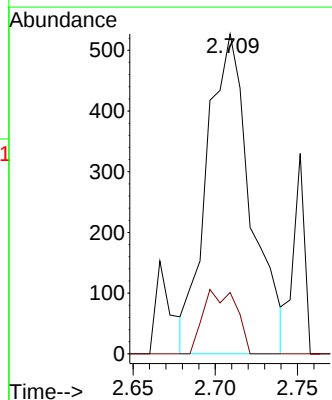
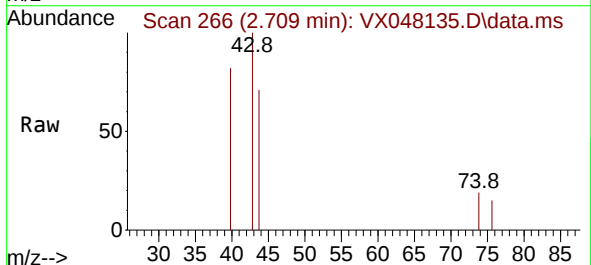
Acq: 13 Oct 2025 12:46

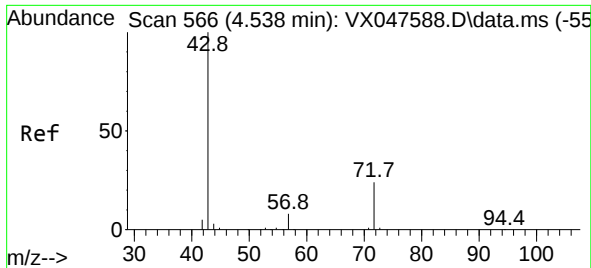
Tgt Ion: 43 Resp: 981

Ion Ratio Lower Upper

43 100

74 15.2 17.4 26.2#

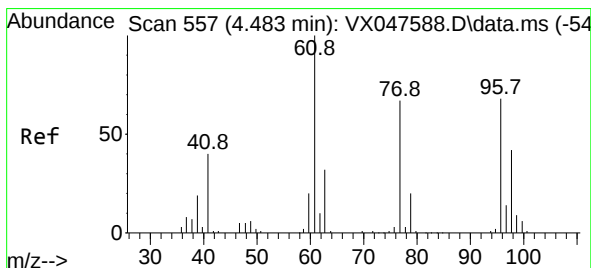
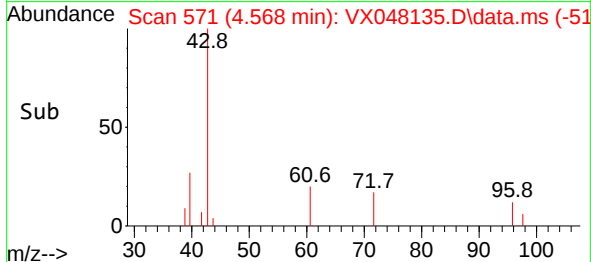
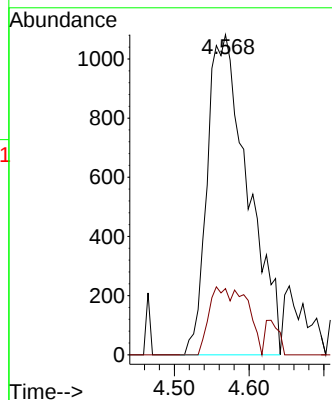
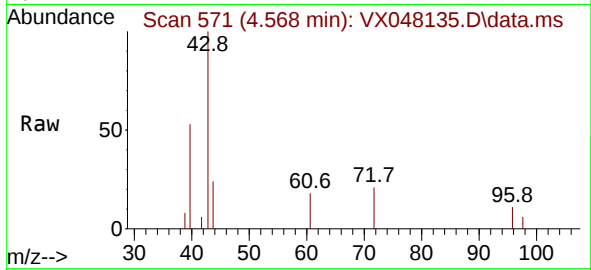




#25
2-Butanone
Concen: 3.245 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

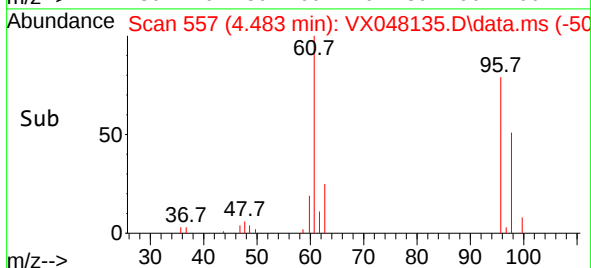
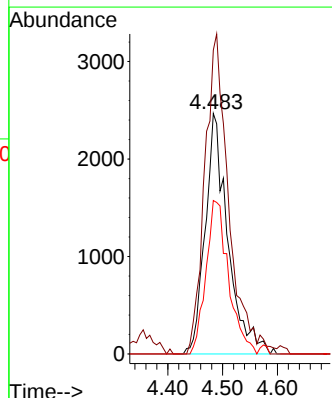
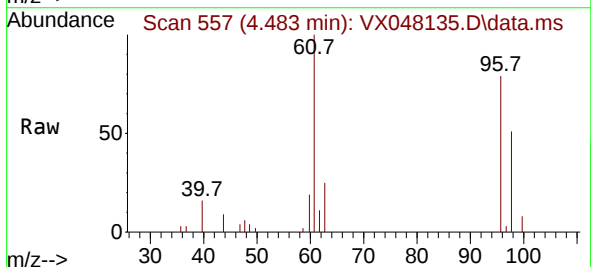
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MW-214D

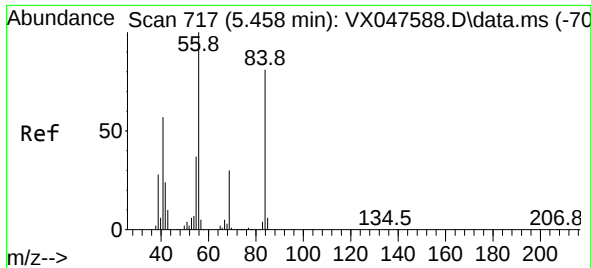
Tgt Ion: 43 Resp: 4085
Ion Ratio Lower Upper
43 100
72 16.6 20.1 30.1#



#27
cis-1,2-Dichloroethene
Concen: 3.109 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 96 Resp: 7101
Ion Ratio Lower Upper
96 100
61 140.1 0.0 303.2
98 63.4 0.0 127.8

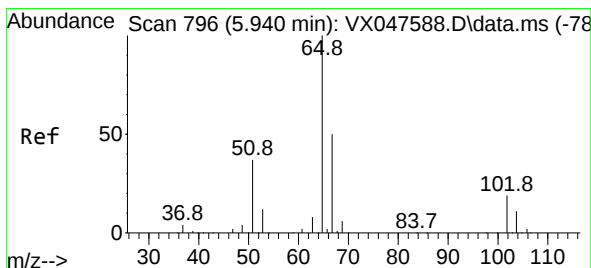
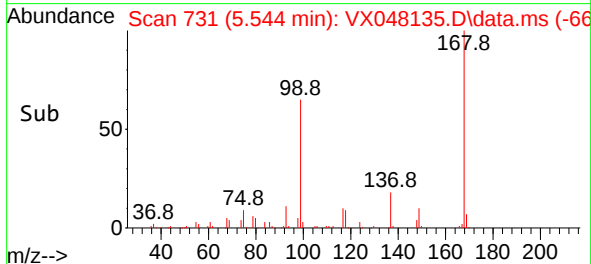
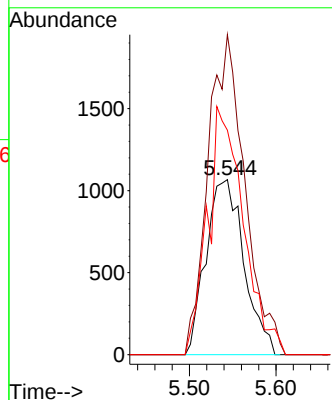
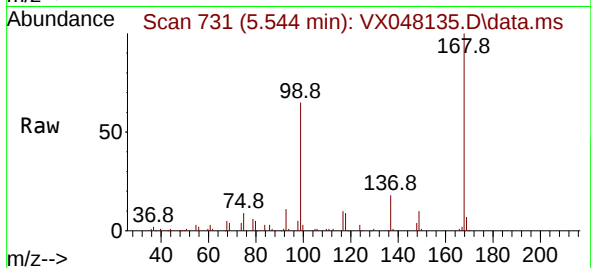




#31
Cyclohexane
Concen: 1.060 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

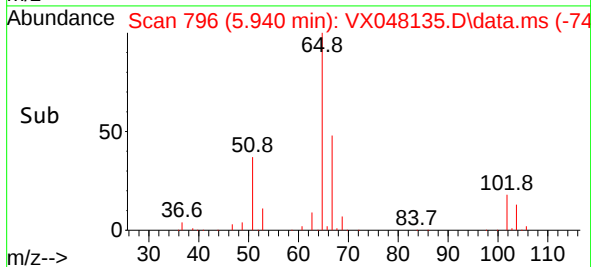
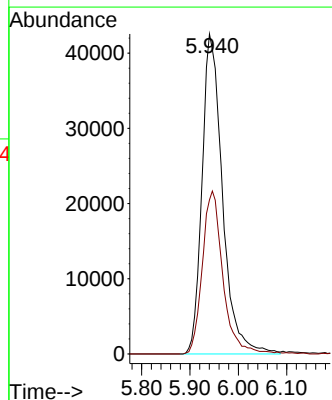
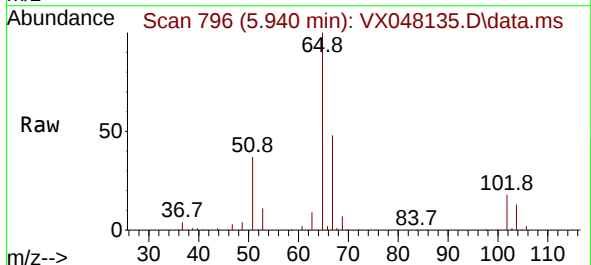
Instrument :
MSVOA_X
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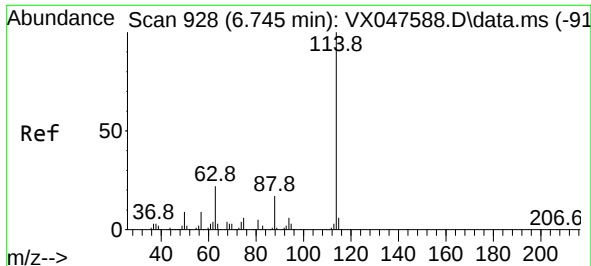
Tgt Ion: 56 Resp: 3250
Ion Ratio Lower Upper
56 100
69 182.8 23.8 35.8#
84 128.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 53.876 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 65 Resp: 125049
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0

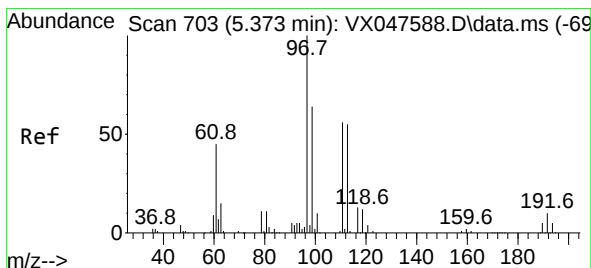
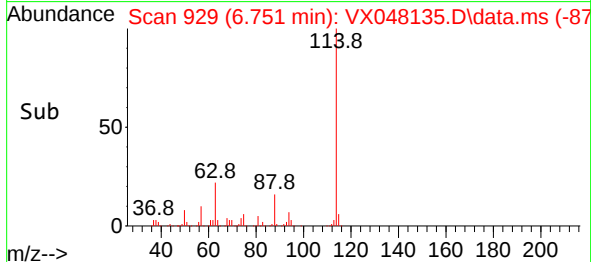
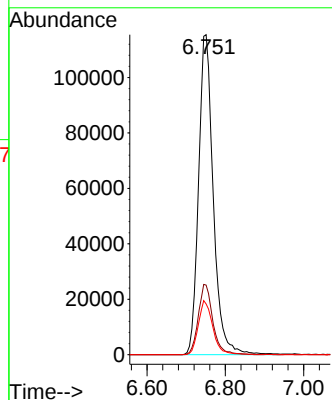
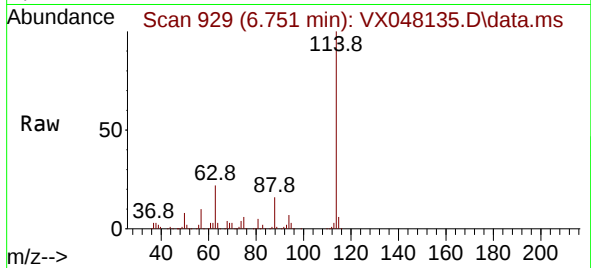




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

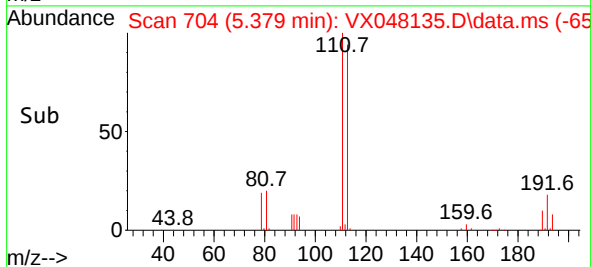
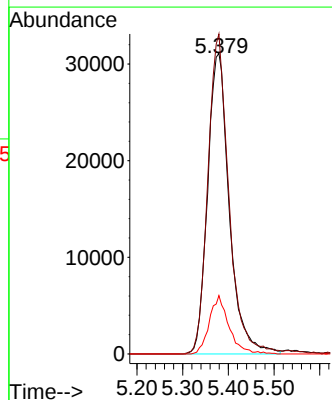
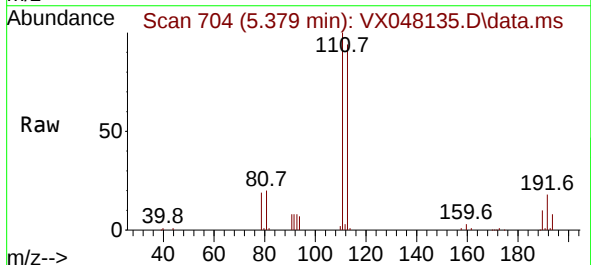
Instrument :
MSVOA_X
ClientSampleId :
MW-214D

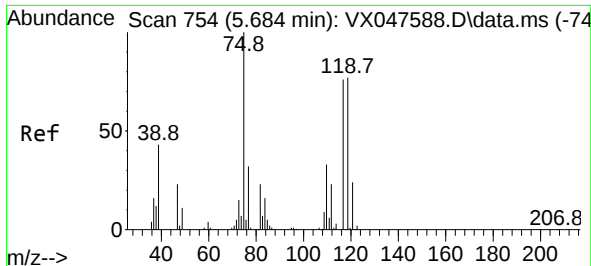
Tgt Ion:114 Resp: 302188
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.0
88 15.9 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.561 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion:113 Resp: 102469
Ion Ratio Lower Upper
113 100
111 102.9 80.9 121.3
192 17.6 14.2 21.4

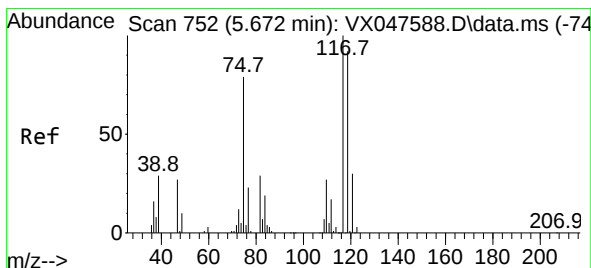
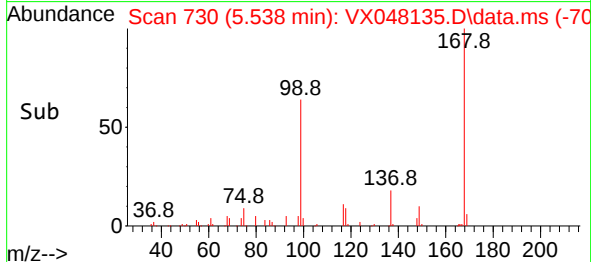
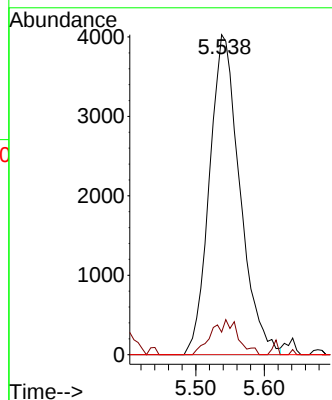
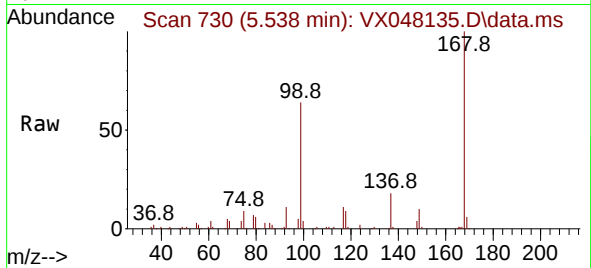




#36
1,1-Dichloropropene
Concen: 4.196 ug/l
RT: 5.538 min Scan# 710
Delta R.T. -0.146 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

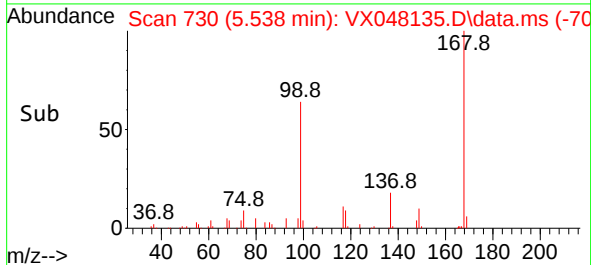
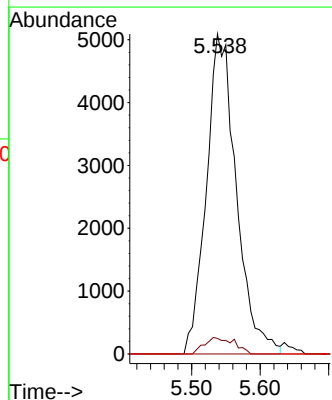
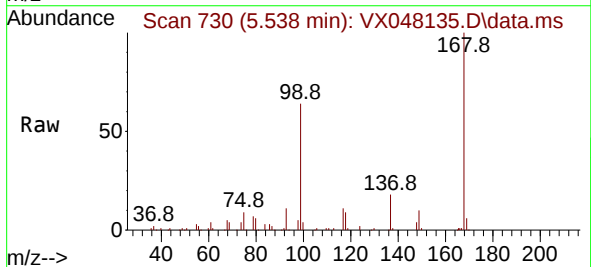
Instrument :
MSVOA_X
ClientSampleId :
MW-214D

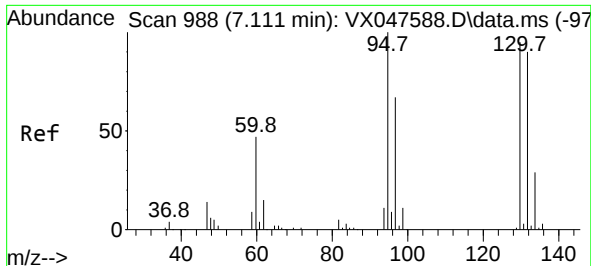
Tgt Ion: 75 Resp: 12427
Ion Ratio Lower Upper
75 100
110 4.5 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.804 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 117 Resp: 15456
Ion Ratio Lower Upper
117 100
119 4.9 73.4 110.2#
121 0.0 23.8 35.6#

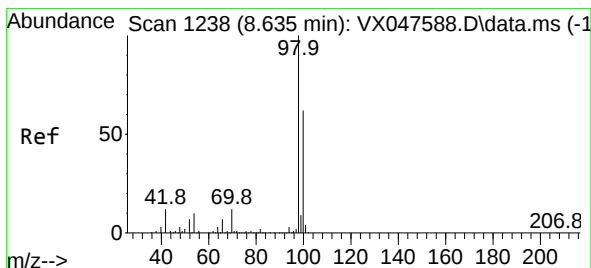
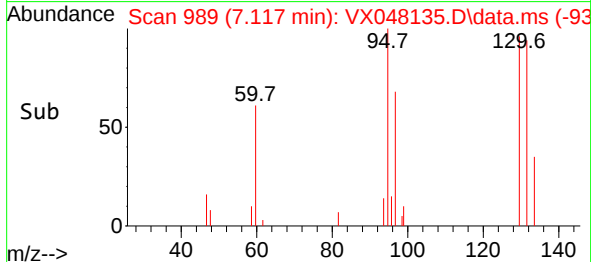
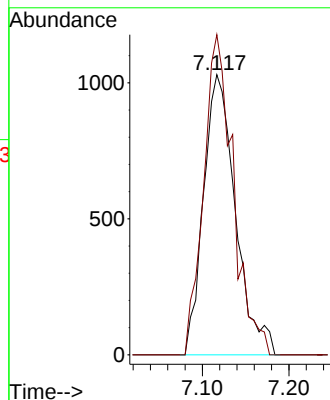
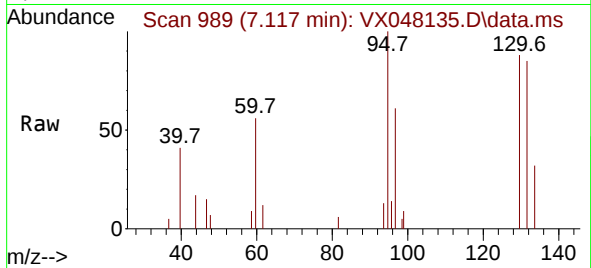




#44
 Trichloroethene
 Concen: 1.214 ug/l
 RT: 7.117 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VX048135.D
 Acq: 13 Oct 2025 12:46

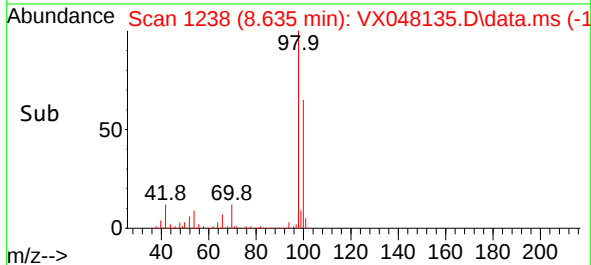
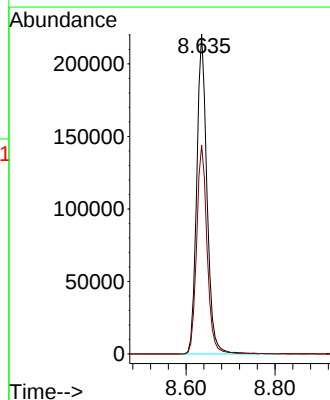
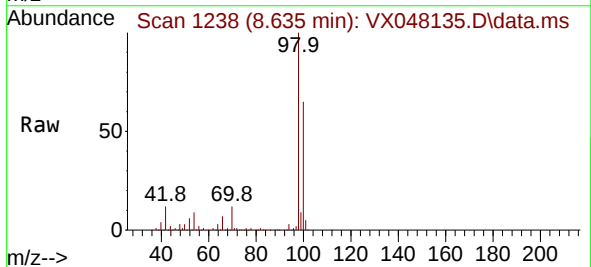
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-214D

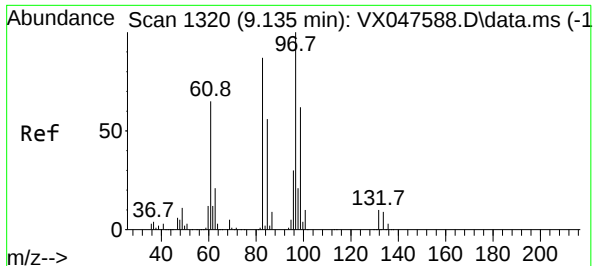
Tgt Ion:130 Resp: 2640
 Ion Ratio Lower Upper
 130 100
 95 114.3 0.0 210.8



#50
 Toluene-d8
 Concen: 50.277 ug/l
 RT: 8.635 min Scan# 1238
 Delta R.T. 0.000 min
 Lab File: VX048135.D
 Acq: 13 Oct 2025 12:46

Tgt Ion: 98 Resp: 352570
 Ion Ratio Lower Upper
 98 100
 100 66.5 53.0 79.4





#55

1,1,2-Trichloroethane

Concen: 2.316 ug/l

RT: 9.257 min Scan# 1340

Delta R.T. 0.122 min

Lab File: VX048135.D

Acq: 13 Oct 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

MW-214D

Tgt Ion: 97 Resp: 4948

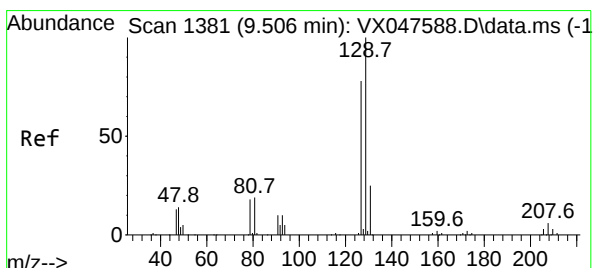
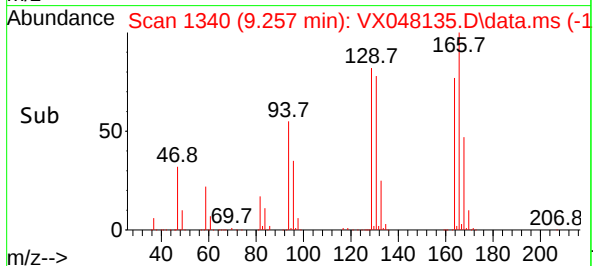
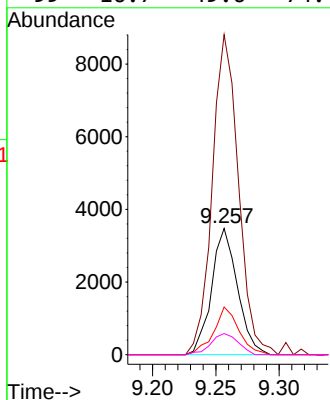
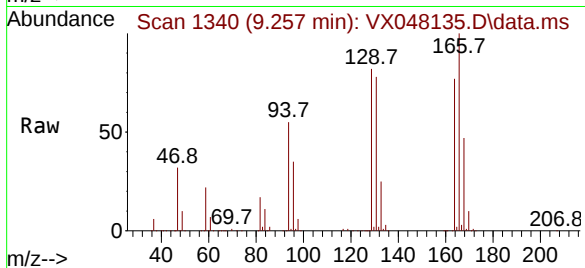
Ion Ratio Lower Upper

97 100

83 253.3 69.6 104.4#

85 37.8 45.0 67.6#

99 16.7 49.6 74.4#



#60

Dibromochloromethane

Concen: 213.584 ug/l

RT: 9.257 min Scan# 1340

Delta R.T. -0.250 min

Lab File: VX048135.D

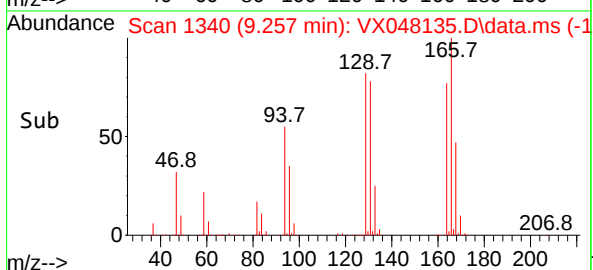
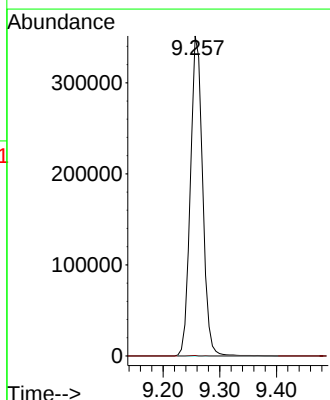
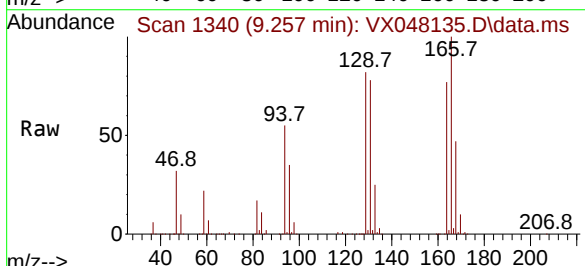
Acq: 13 Oct 2025 12:46

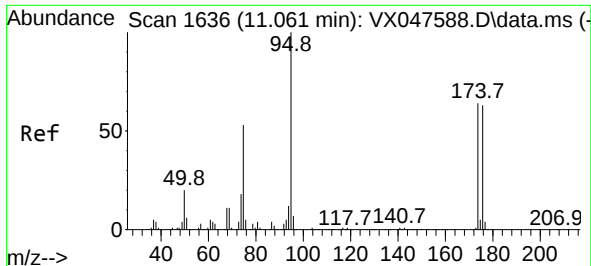
Tgt Ion:129 Resp: 525854

Ion Ratio Lower Upper

129 100

127 0.1 38.4 115.2#

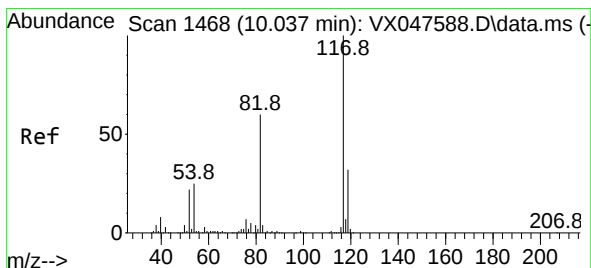
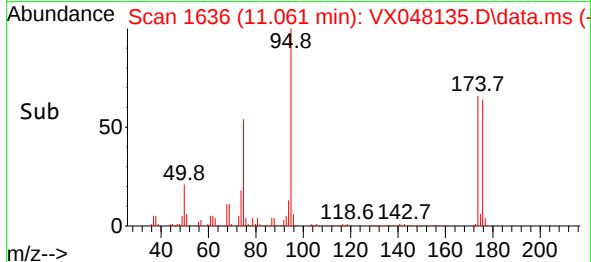
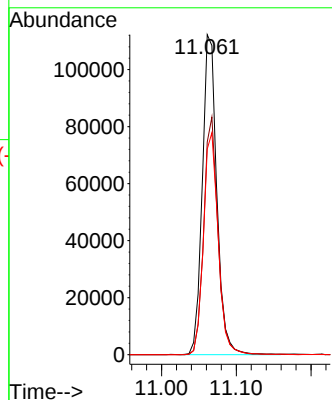
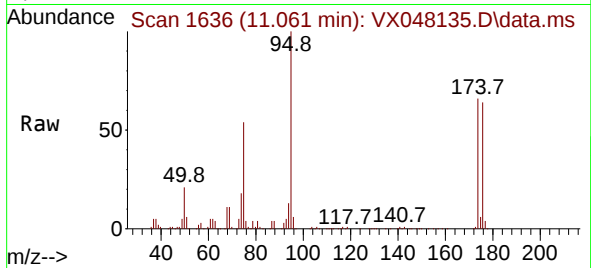




#62
4-Bromofluorobenzene
Concen: 57.022 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

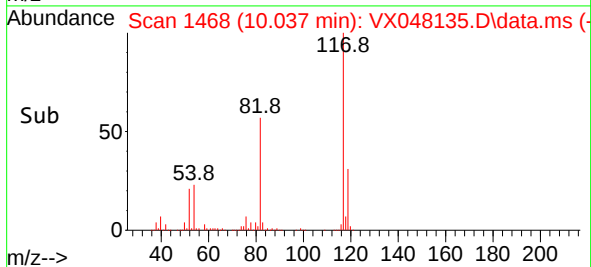
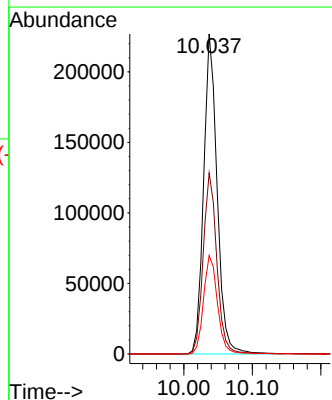
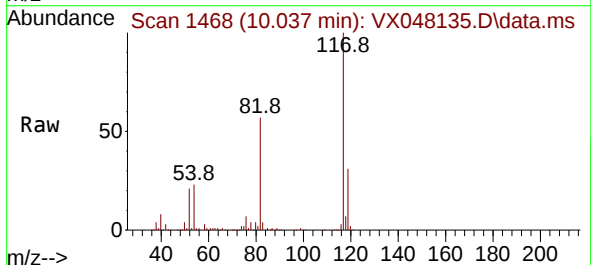
Instrument :
MSVOA_X
ClientSampleId :
MW-214D

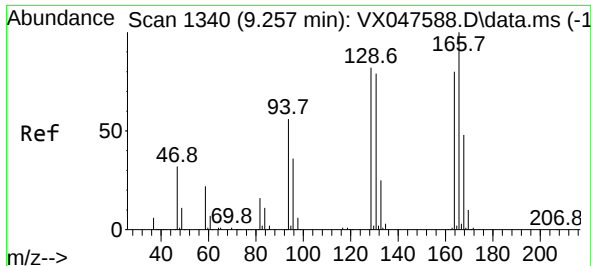
Tgt Ion: 95 Resp: 151759
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.6
176 70.2 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion: 117 Resp: 311267
Ion Ratio Lower Upper
117 100
82 56.6 47.8 71.6
119 30.7 25.2 37.8

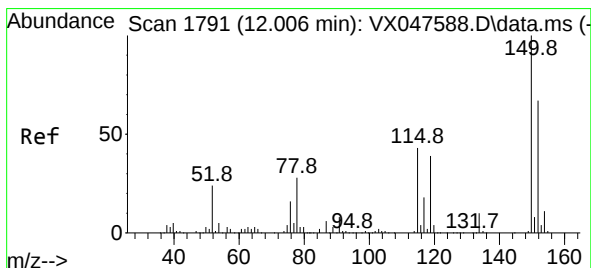
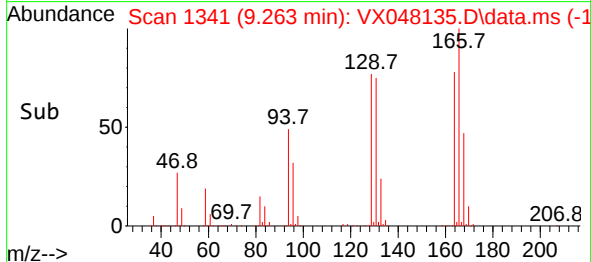
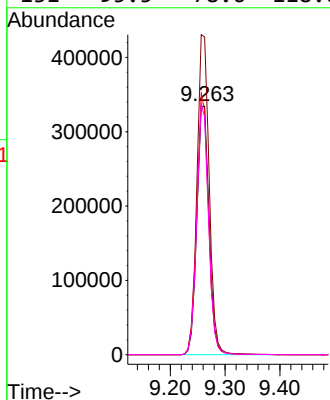
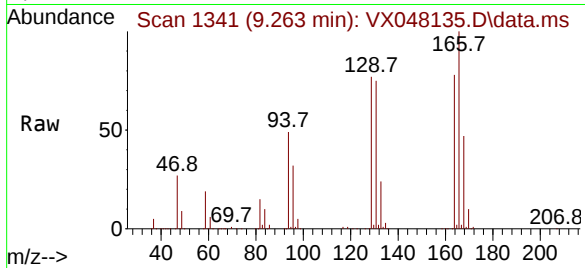




#64
Tetrachloroethene
Concen: 256.457 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

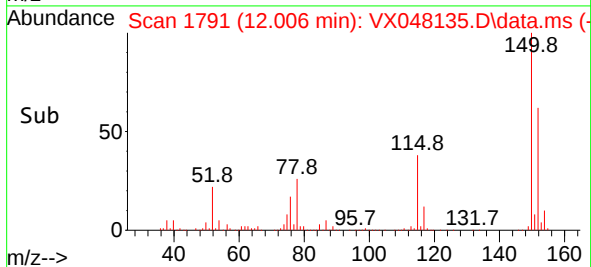
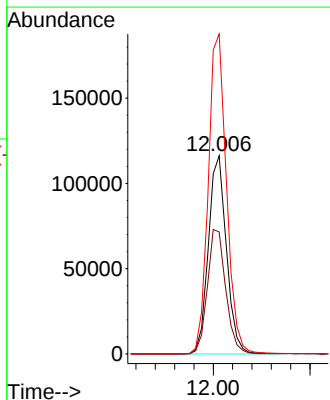
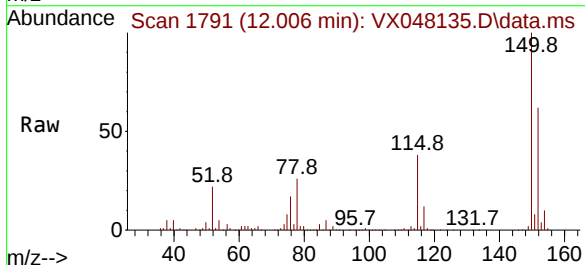
Instrument :
MSVOA_X
ClientSampleId :
MW-214D

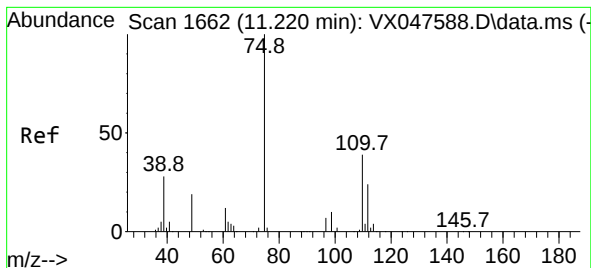
Tgt Ion:164 Resp: 520386
Ion Ratio Lower Upper
164 100
166 127.9 100.2 150.2
129 98.2 81.8 122.6
131 95.5 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048135.D
Acq: 13 Oct 2025 12:46

Tgt Ion:152 Resp: 151108
Ion Ratio Lower Upper
152 100
115 64.0 44.9 134.5
150 163.3 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 26.330 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX048135.D

Acq: 13 Oct 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

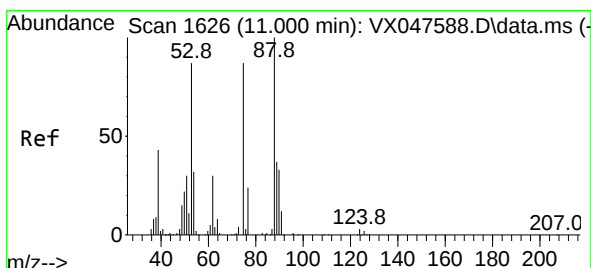
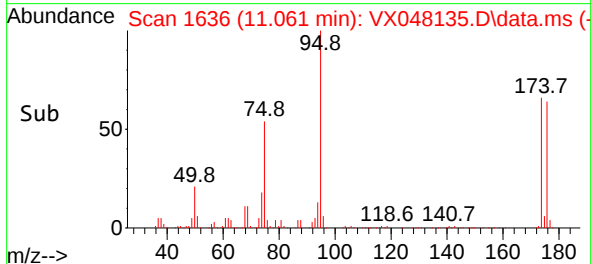
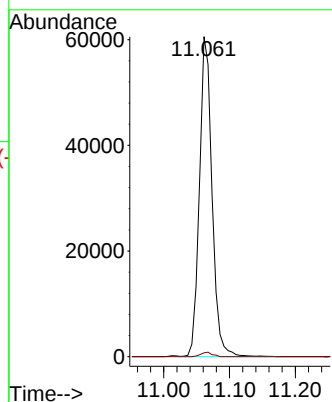
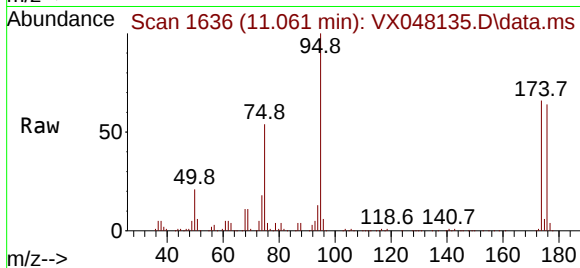
MW-214D

Tgt Ion: 75 Resp: 80555

Ion Ratio Lower Upper

75 100

77 1.3 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.145 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048135.D

Acq: 13 Oct 2025 12:46

Tgt Ion: 75 Resp: 80555

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#

