

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047612.D
 Acq On : 17 Sep 2025 13:03
 Operator : JC/MD
 Sample : Q3095-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20250909

Quant Time: Sep 22 03:05:55 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)

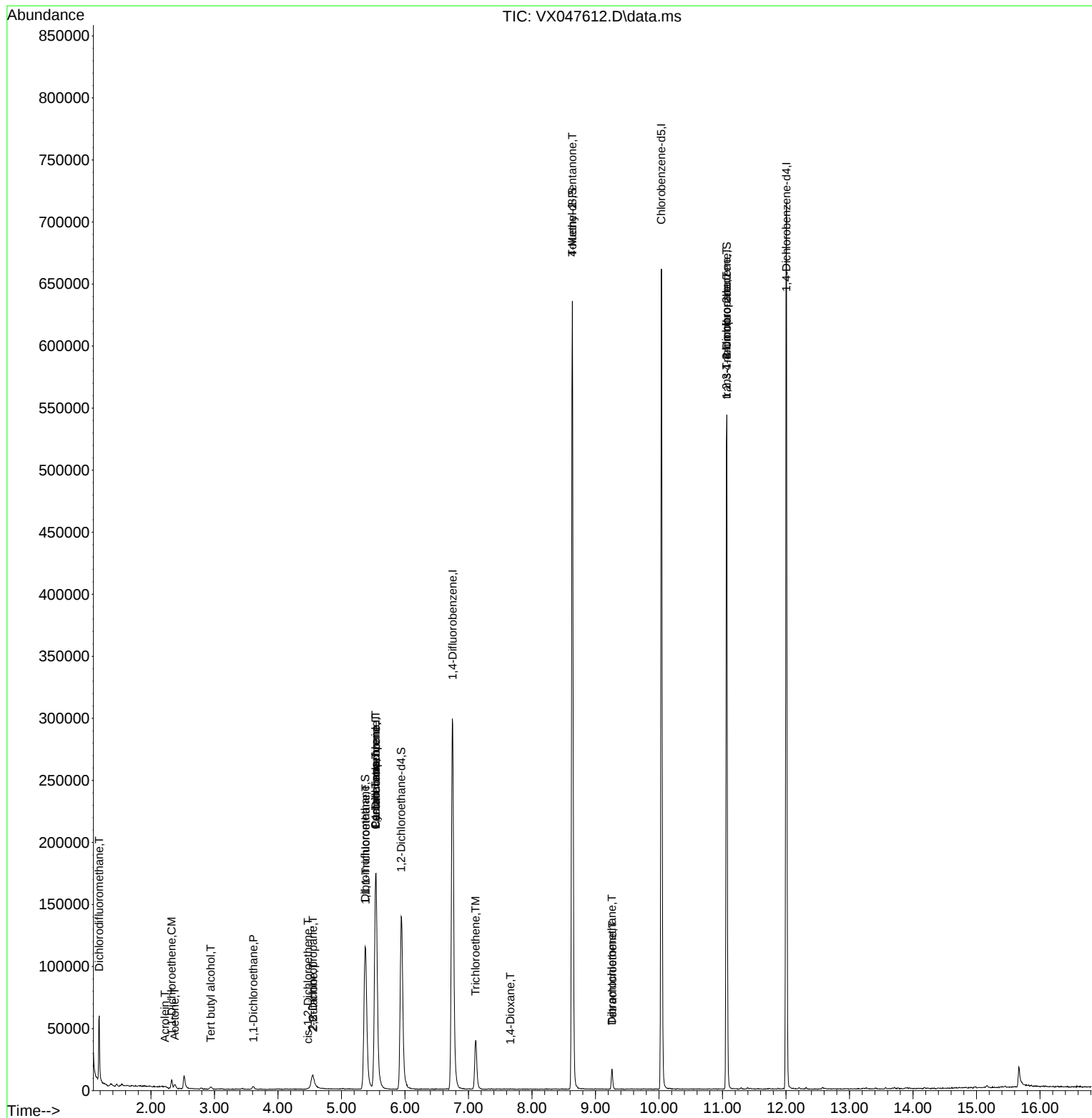
Internal Standards						
1) Pentafluorobenzene	5.544	168	178402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	326098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	153756	54.145	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.280%			
35) Dibromofluoromethane	5.373	113	113462	51.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.760%			
50) Toluene-d8	8.635	98	394528	52.135	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.280%			
62) 4-Bromofluorobenzene	11.067	95	156782	54.590	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	687	0.372	ug/l #	3
11) Tert butyl alcohol	2.941	59	752	2.378	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	2675	1.262	ug/l	94
13) Acrolein	2.221	56	113	0.388	ug/l #	26
16) Acetone	2.374	43	4462	3.614	ug/l	93
24) 1,1-Dichloroethane	3.611	63	3064	0.680	ug/l #	94
25) 2-Butanone	4.556	43	1217	0.790	ug/l #	50
26) 2,2-Dichloropropane	4.550	77	1145	0.306	ug/l #	54
27) cis-1,2-Dichloroethene	4.471	96	611	0.219	ug/l #	3
31) Cyclohexane	5.538	56	4125	1.099	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	1234	0.320	ug/l #	42
36) 1,1-Dichloropropene	5.538	75	15531	4.860	ug/l #	50
38) Carbon Tetrachloride	5.538	117	19093	5.499	ug/l #	18
44) Trichloroethene	7.111	130	17063	7.271	ug/l	90
49) 1,4-Dioxane	7.659	88	42	1.487	ug/l #	21
51) 4-Methyl-2-Pentanone	8.635	43	2047	0.658	ug/l #	1
60) Dibromochloromethane	9.257	129	3085	1.161	ug/l #	11
64) Tetrachloroethene	9.263	164	3235	1.684	ug/l #	85
76) 1,2,3-Trichloropropane	11.061	75	79968	27.254	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	79968	69.501	ug/l #	8

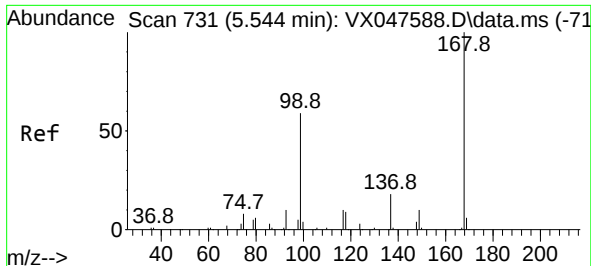
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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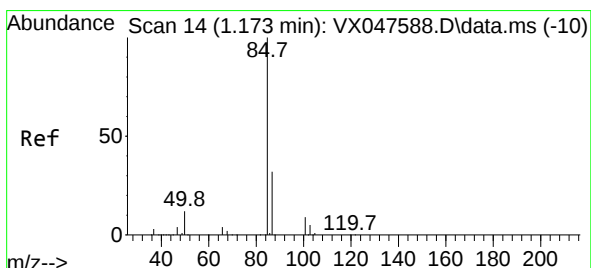
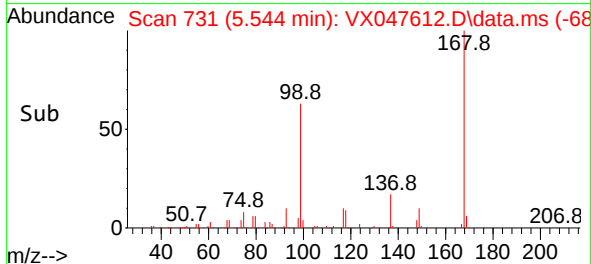
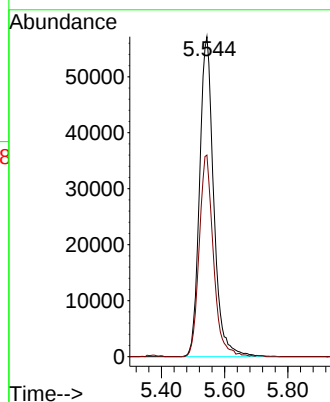
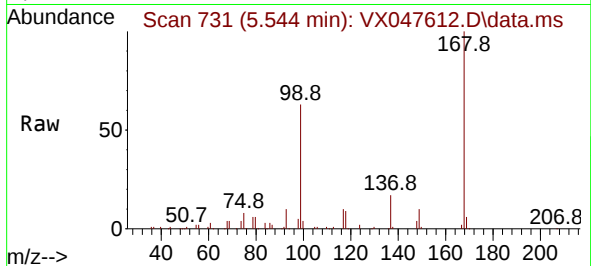




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

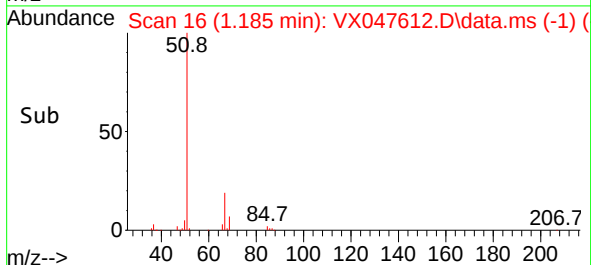
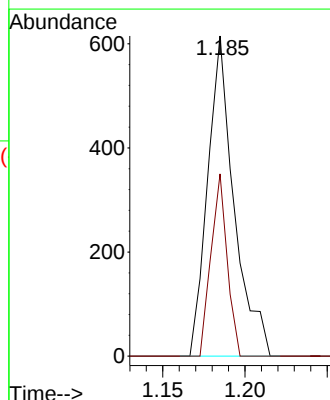
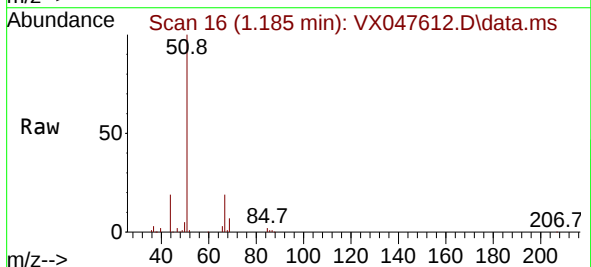
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

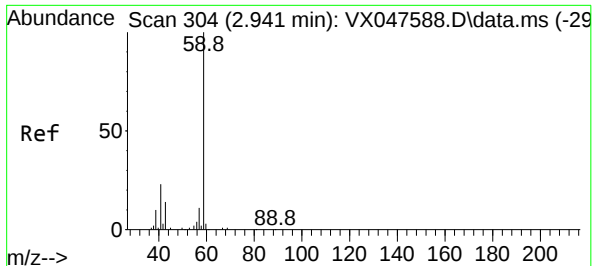
Tgt Ion:168 Resp: 178402
Ion Ratio Lower Upper
168 100
99 63.0 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.372 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.012 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 85 Resp: 687
Ion Ratio Lower Upper
85 100
87 85.0 15.8 47.3#





#11

Tert butyl alcohol

Concen: 2.378 ug/l

RT: 2.941 min Scan# 304

Delta R.T. 0.000 min

Lab File: VX047612.D

Acq: 17 Sep 2025 13:03

Instrument :

MSVOA_X

ClientSampleId :

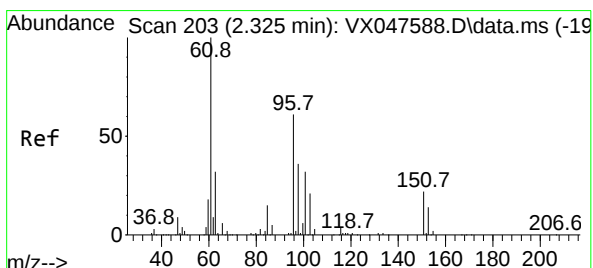
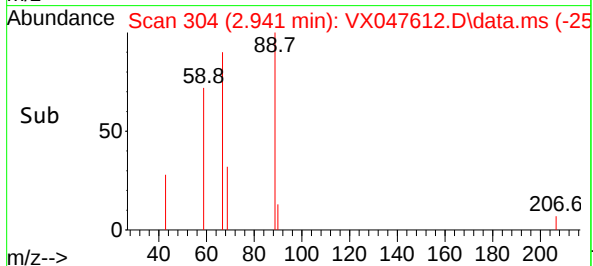
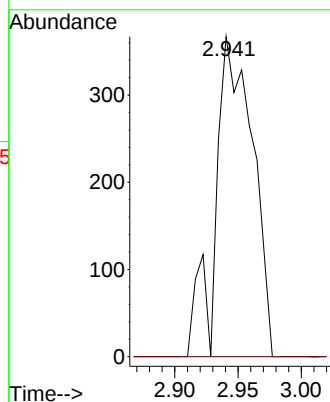
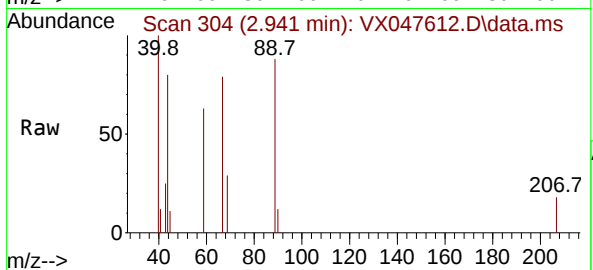
MW179D2-20250909

Tgt Ion: 59 Resp: 752

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 1.262 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX047612.D

Acq: 17 Sep 2025 13:03

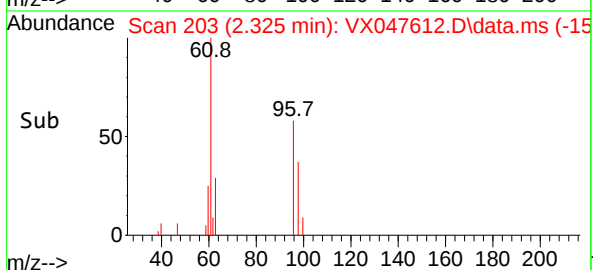
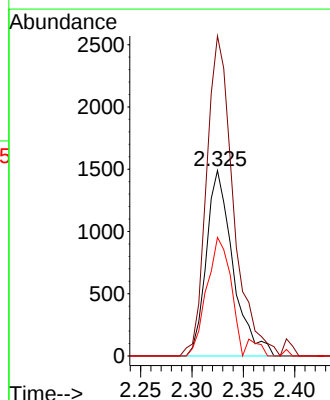
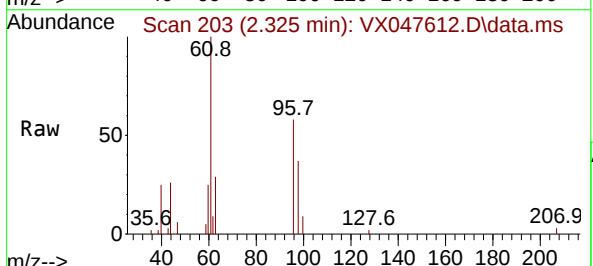
Tgt Ion: 96 Resp: 2675

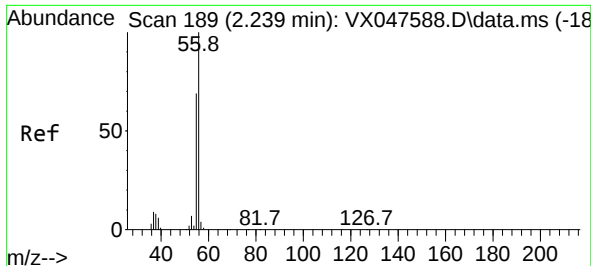
Ion Ratio Lower Upper

96 100

61 172.5 131.0 196.6

98 63.9 47.7 71.5

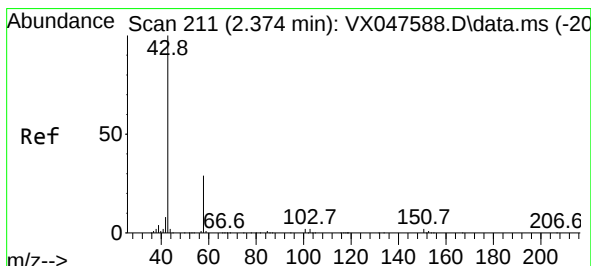
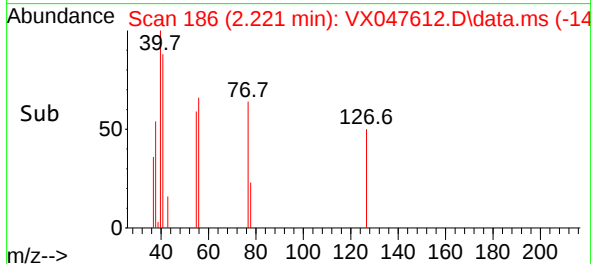
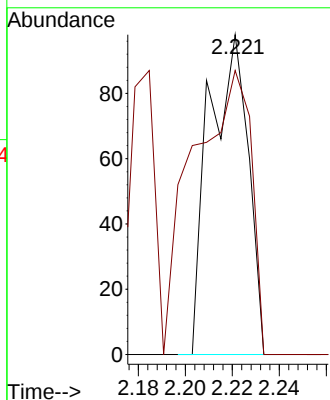
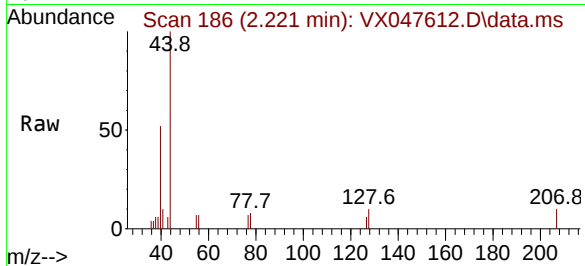




#13
Acrolein
Concen: 0.388 ug/l
RT: 2.221 min Scan# 113
Delta R.T. -0.018 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

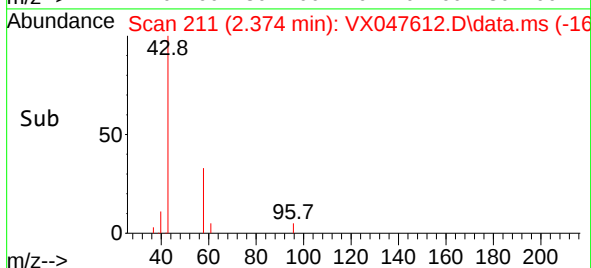
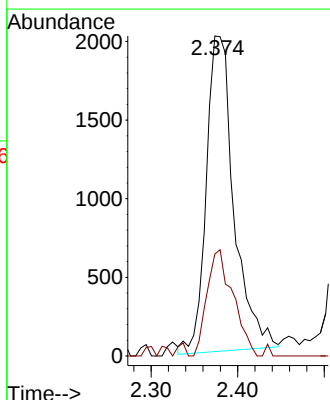
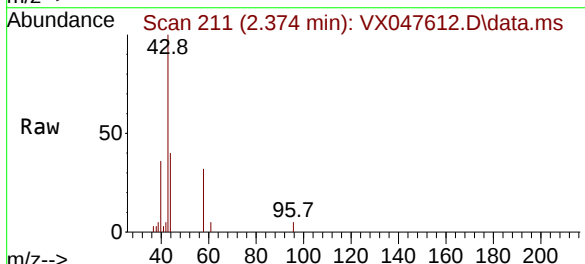
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

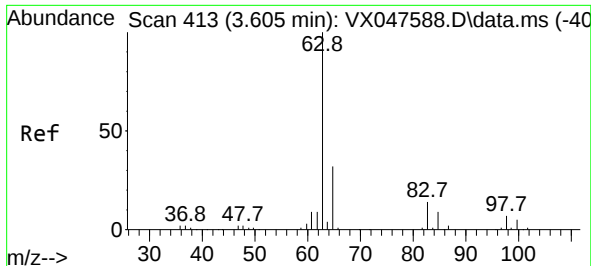
Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 132.7 57.2 85.8#



#16
Acetone
Concen: 3.614 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 43 Resp: 4462
Ion Ratio Lower Upper
43 100
58 32.8 23.4 35.0





#24

1,1-Dichloroethane

Concen: 0.680 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX047612.D

Acq: 17 Sep 2025 13:03

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20250909

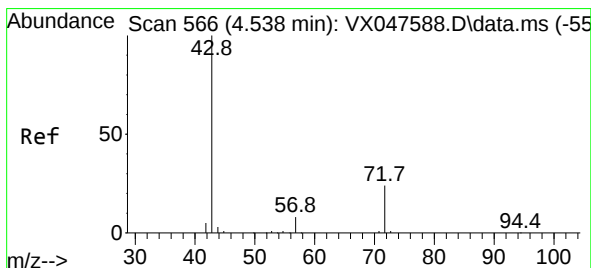
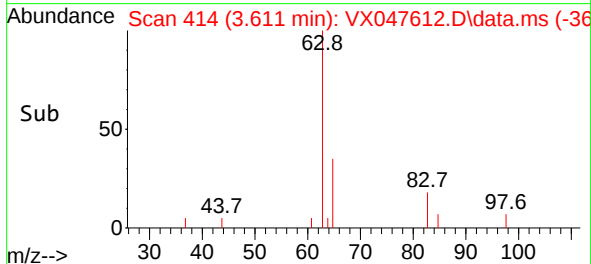
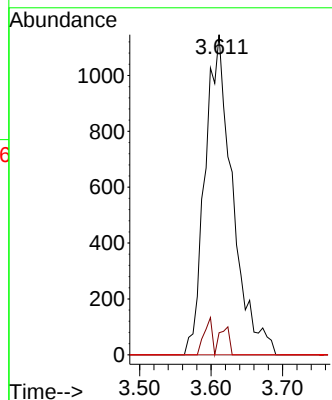
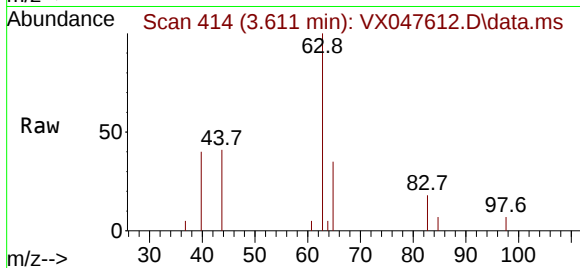
Tgt Ion: 63 Resp: 3064

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

100 0.0 2.3 6.9#



#25

2-Butanone

Concen: 0.790 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.018 min

Lab File: VX047612.D

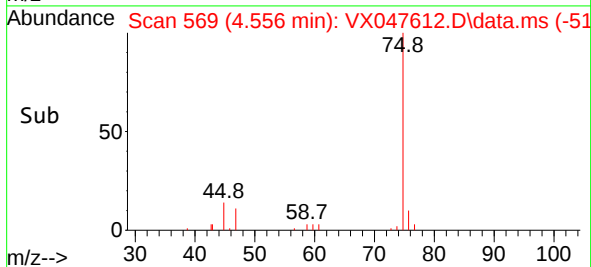
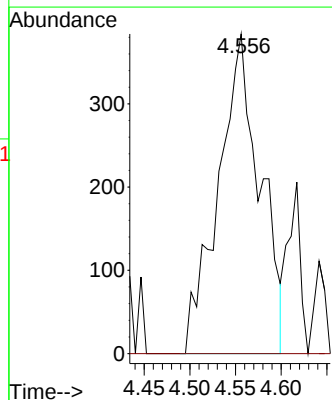
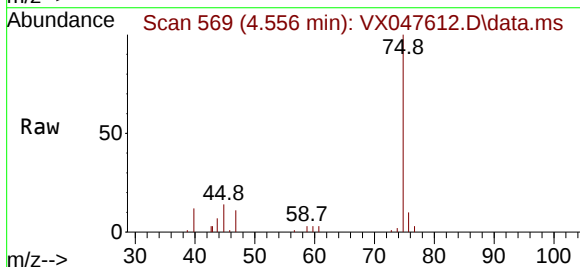
Acq: 17 Sep 2025 13:03

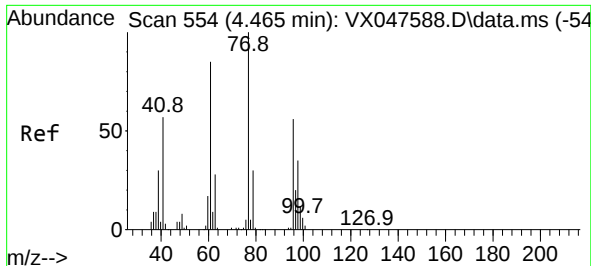
Tgt Ion: 43 Resp: 1217

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#

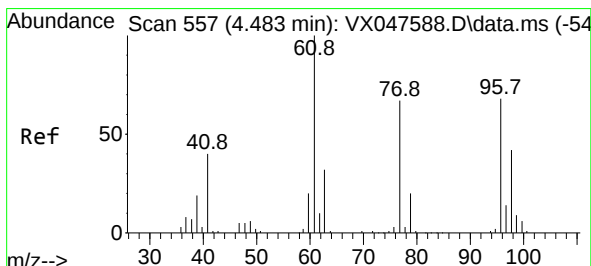
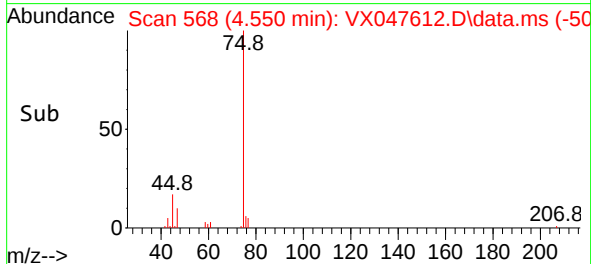
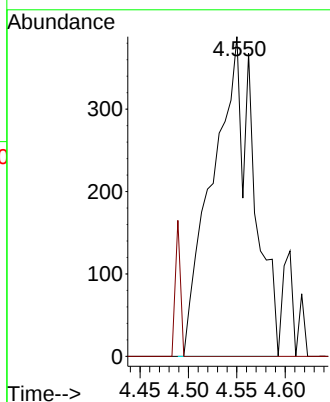
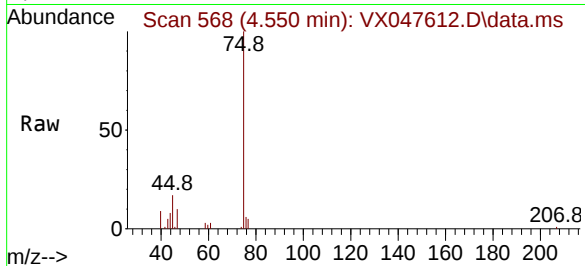




#26
2,2-Dichloropropane
Concen: 0.306 ug/l
RT: 4.550 min Scan# 50
Delta R.T. 0.085 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

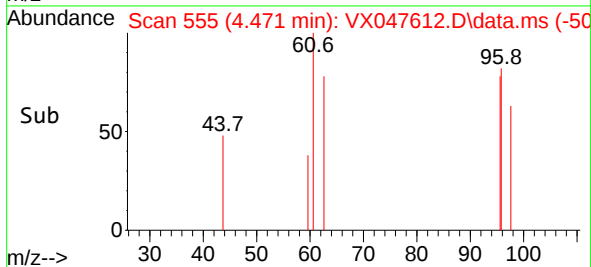
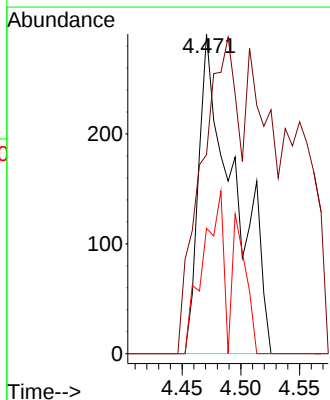
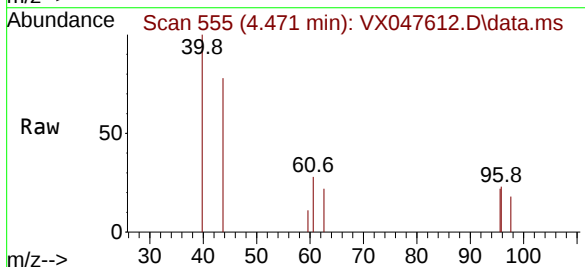
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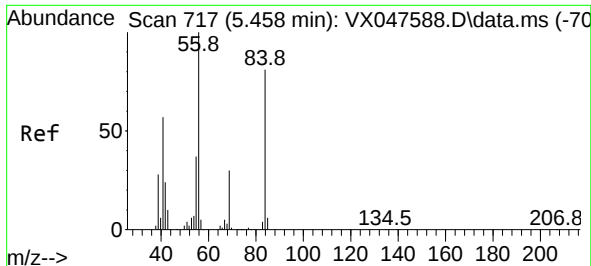
Tgt Ion: 77 Resp: 1145
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.7#



#27
cis-1,2-Dichloroethene
Concen: 0.219 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.012 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 96 Resp: 611
Ion Ratio Lower Upper
96 100
61 0.0 0.0 303.2
98 29.3 0.0 127.8

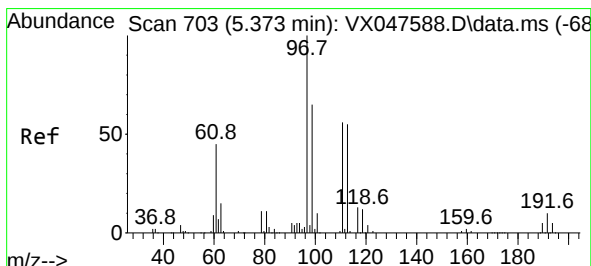
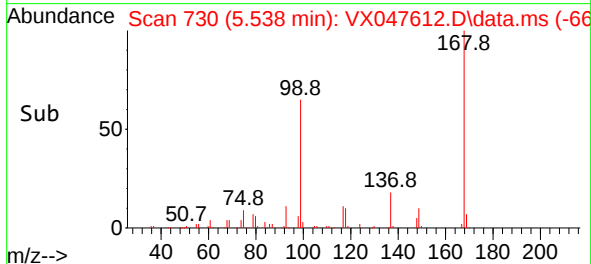
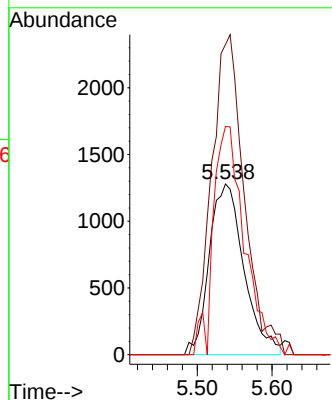
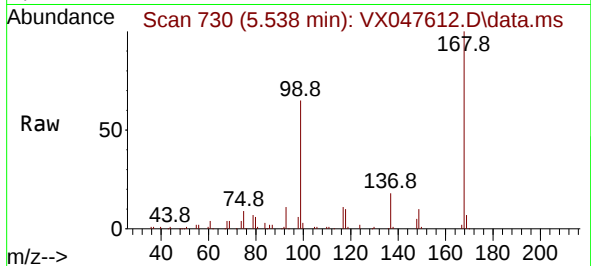




#31
Cyclohexane
Concen: 1.099 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

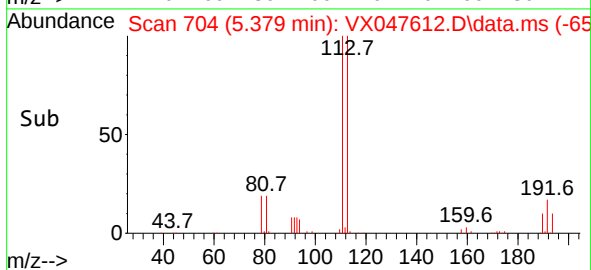
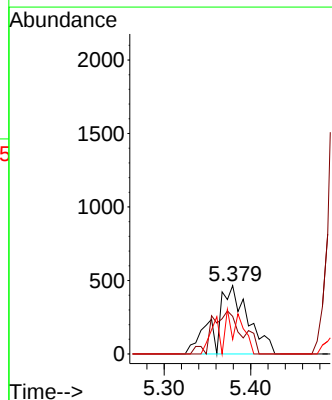
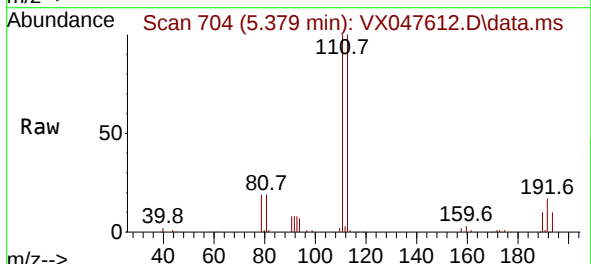
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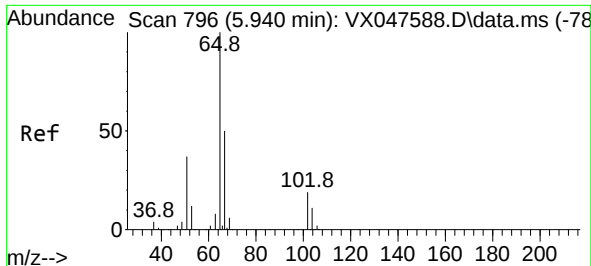
Tgt Ion: 56 Resp: 4125
Ion Ratio Lower Upper
56 100
69 181.8 23.8 35.8#
84 133.7 64.6 97.0#



#32
1,1,1-Trichloroethane
Concen: 0.320 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 97 Resp: 1234
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 28.9 35.8 53.8#





#33

1,2-Dichloroethane-d4

Concen: 54.145 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX047612.D

Acq: 17 Sep 2025 13:03

Instrument :

MSVOA_X

ClientSampleId :

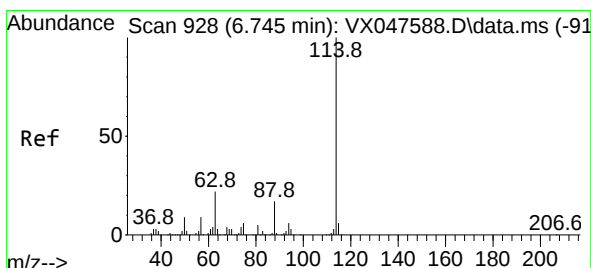
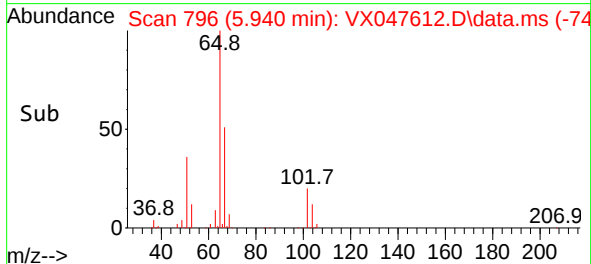
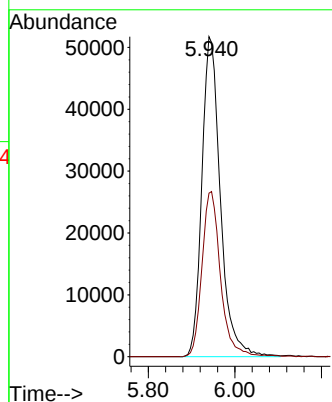
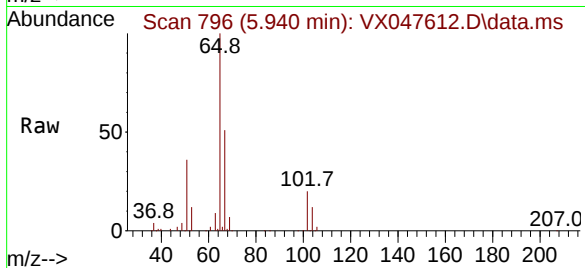
MW179D2-20250909

Tgt Ion: 65 Resp: 153756

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047612.D

Acq: 17 Sep 2025 13:03

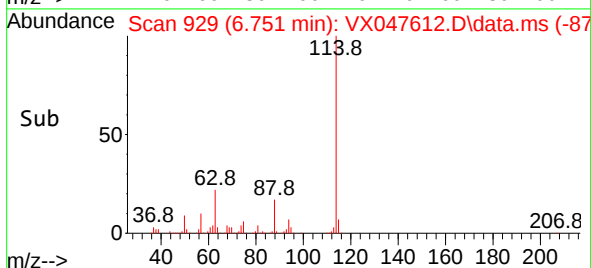
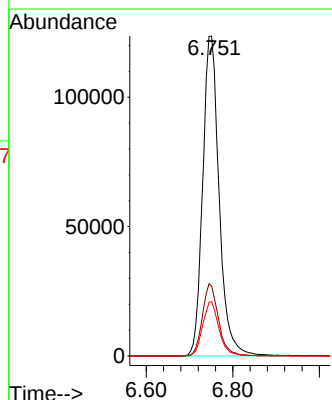
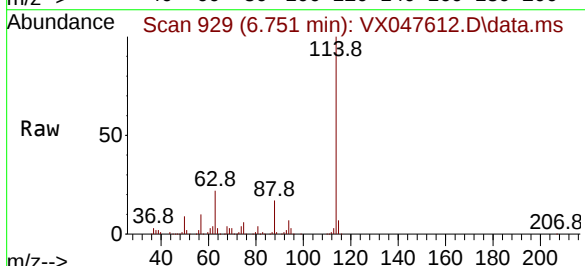
Tgt Ion: 114 Resp: 326098

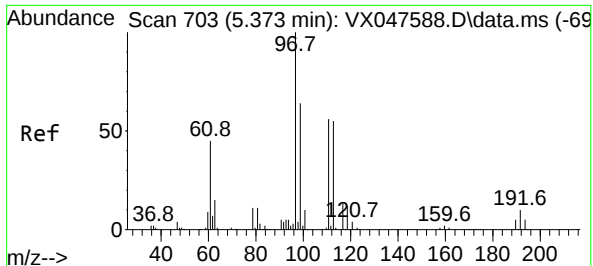
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.0

88 17.0 0.0 34.2

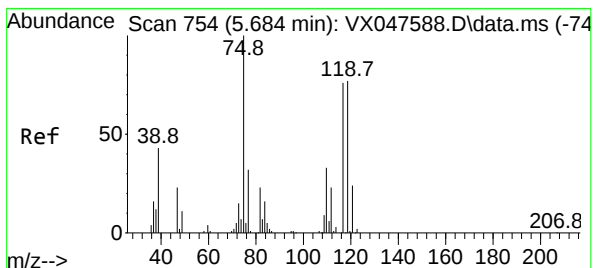
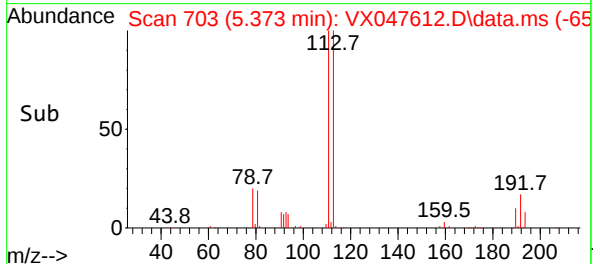
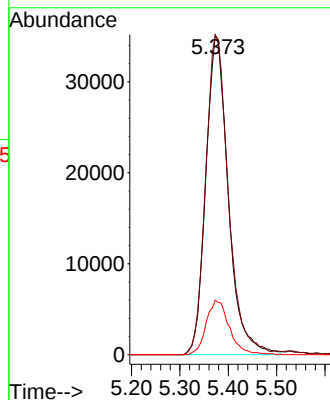
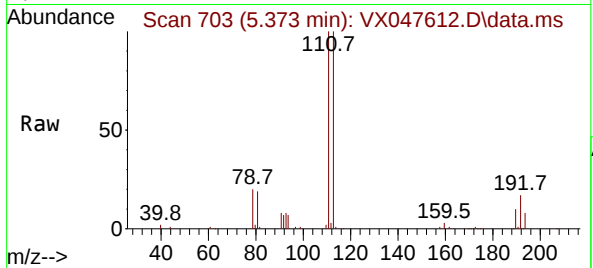




#35
Dibromofluoromethane
Concen: 51.880 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

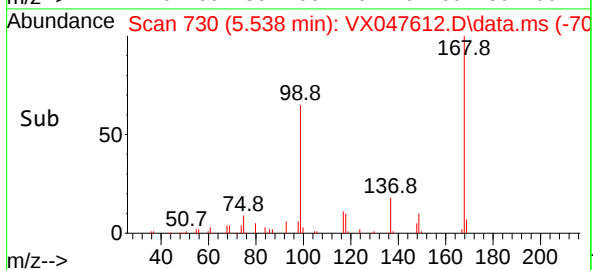
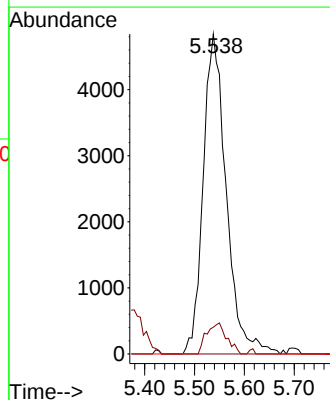
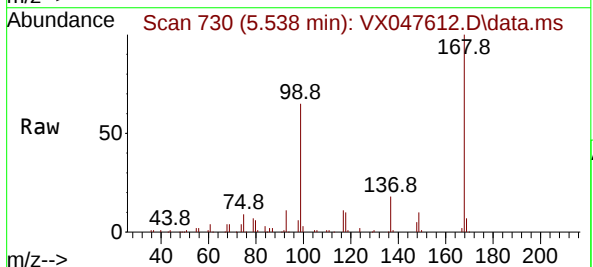
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

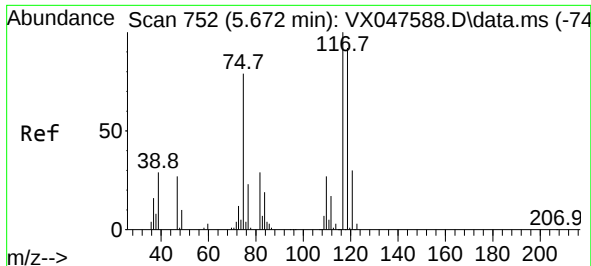
Tgt Ion:113 Resp: 113462
Ion Ratio Lower Upper
113 100
111 101.1 80.9 121.3
192 17.5 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.860 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

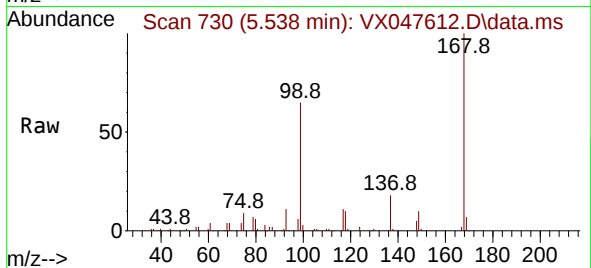
Tgt Ion: 75 Resp: 15531
Ion Ratio Lower Upper
75 100
110 8.4 16.7 50.1#
77 0.0 24.3 36.5#



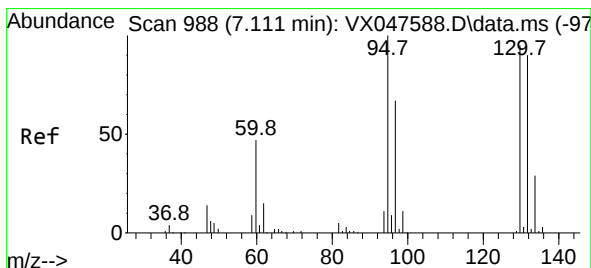
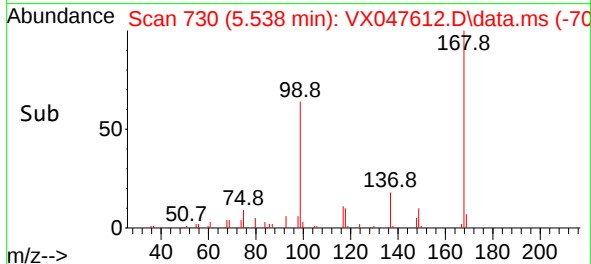
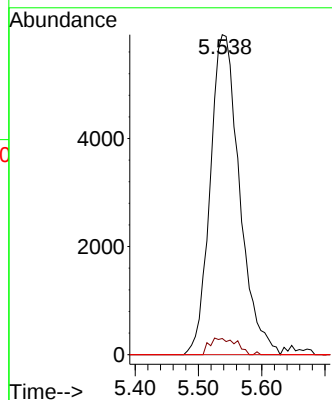


#38
Carbon Tetrachloride
Concen: 5.499 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

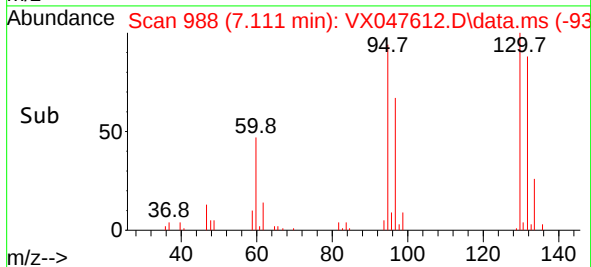
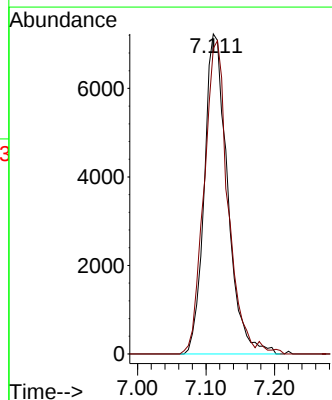
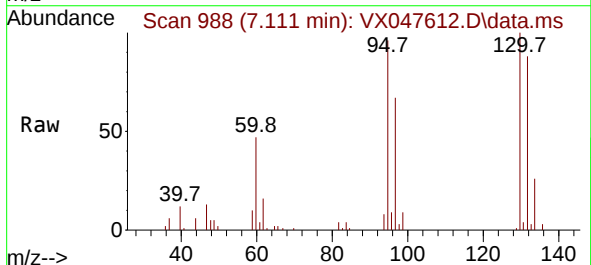


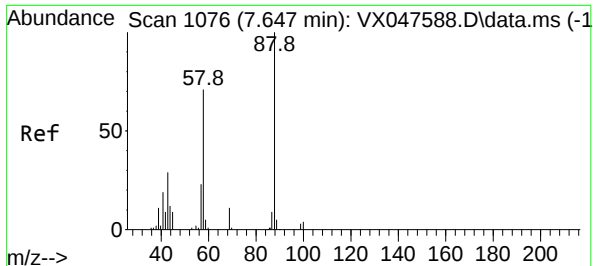
Tgt Ion:117 Resp: 19093
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 7.271 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion:130 Resp: 17063
Ion Ratio Lower Upper
130 100
95 95.5 0.0 210.8





#49

1,4-Dioxane

Concen: 1.487 ug/l

RT: 7.659 min Scan# 1076

Delta R.T. 0.012 min

Lab File: VX047612.D

Acq: 17 Sep 2025 13:03

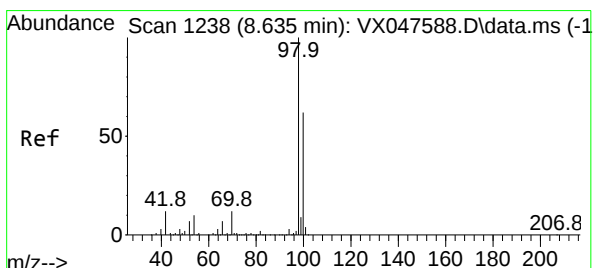
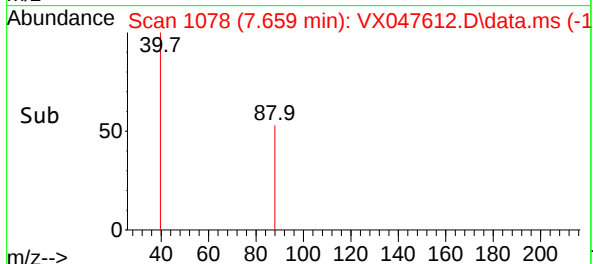
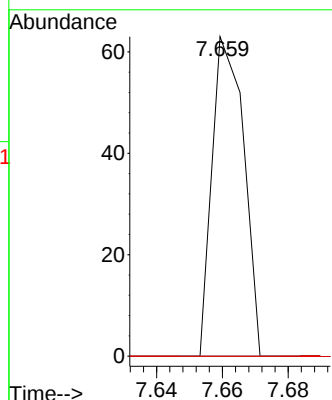
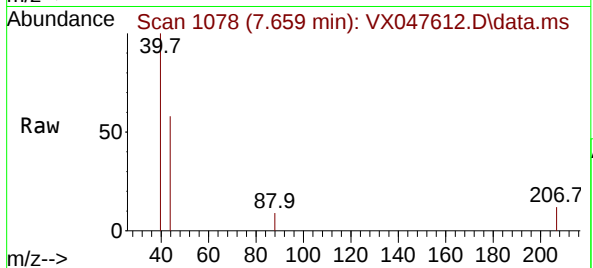
Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20250909

Tgt Ion:	88	Resp:	42
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.2	45.2#
58	0.0	59.5	89.3#



#50

Toluene-d8

Concen: 52.135 ug/l

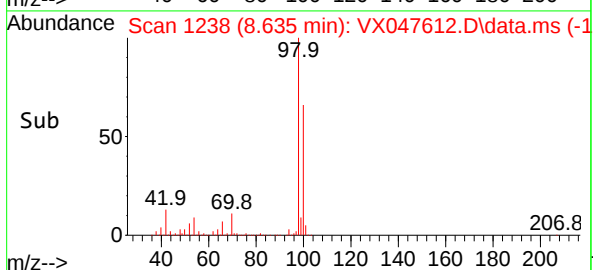
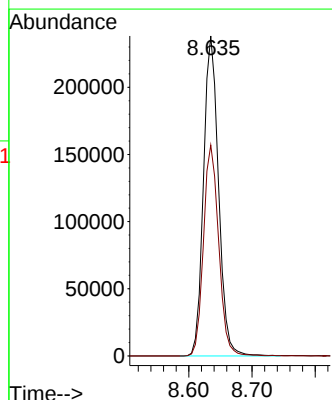
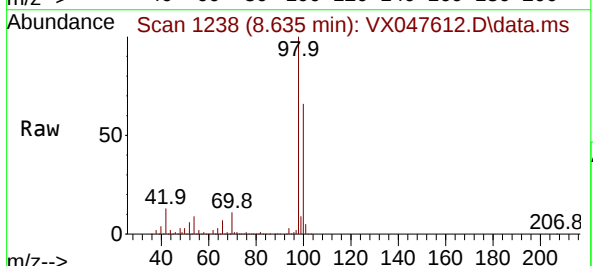
RT: 8.635 min Scan# 1238

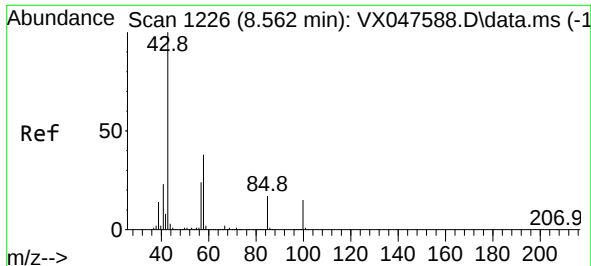
Delta R.T. 0.000 min

Lab File: VX047612.D

Acq: 17 Sep 2025 13:03

Tgt Ion:	98	Resp:	394528
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

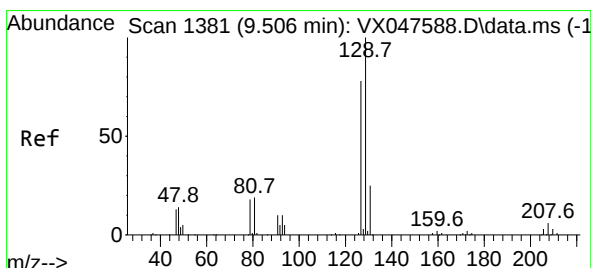
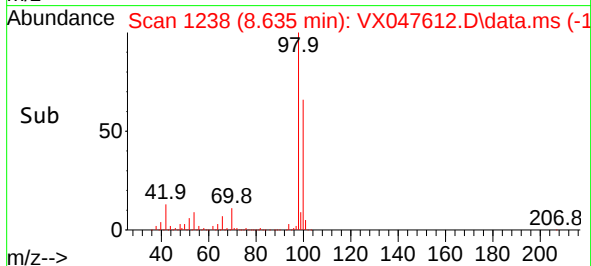
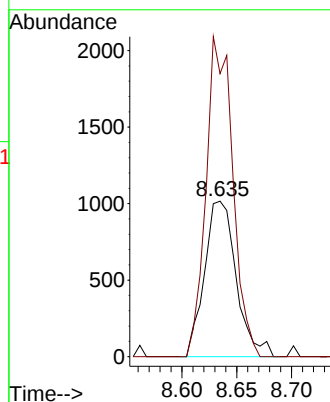
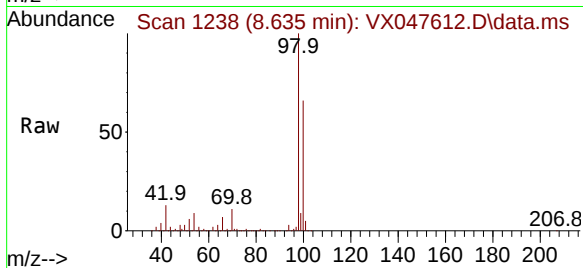




#51
4-Methyl-2-Pentanone
Concen: 0.658 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

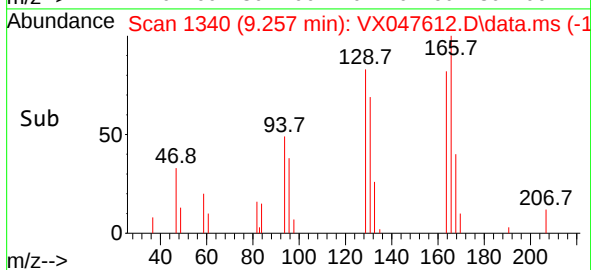
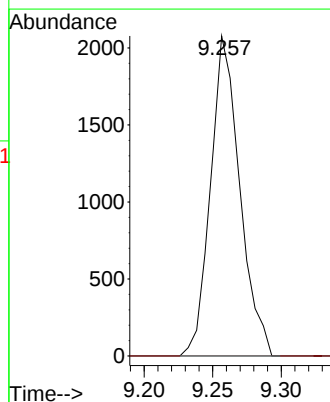
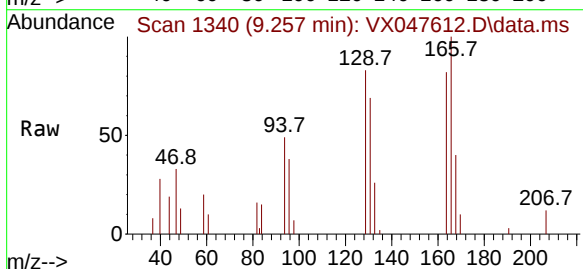
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

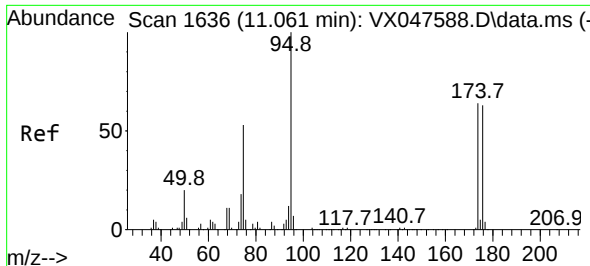
Tgt Ion: 43 Resp: 2047
Ion Ratio Lower Upper
43 100
58 173.3 30.3 45.5#



#60
Dibromochloromethane
Concen: 1.161 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 129 Resp: 3085
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

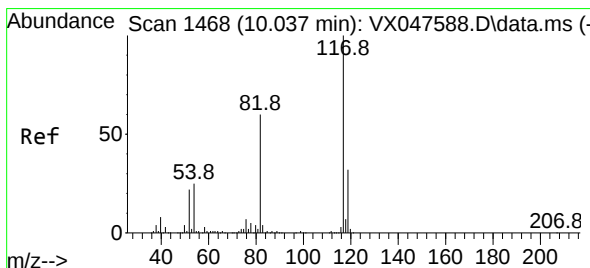
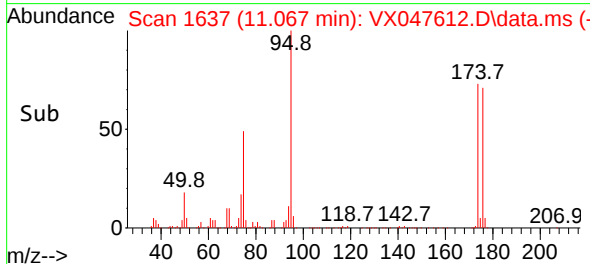
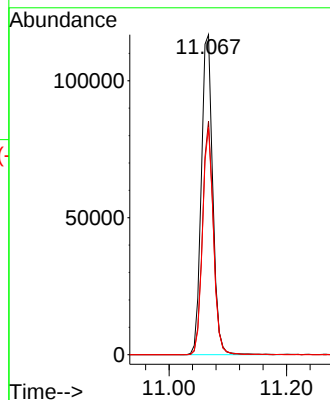
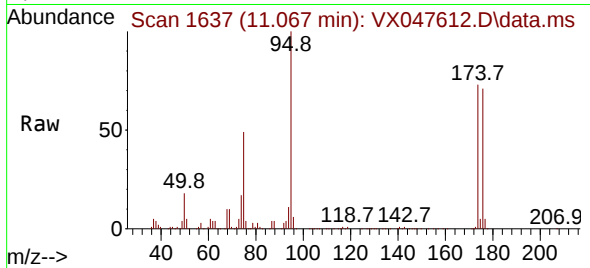




#62
4-Bromofluorobenzene
Concen: 54.590 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

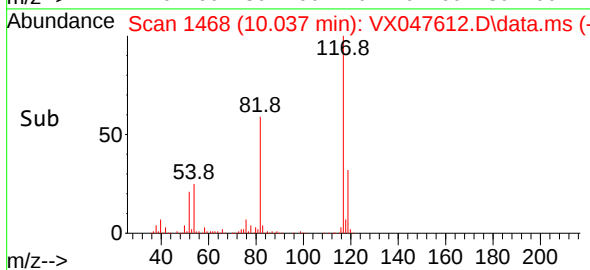
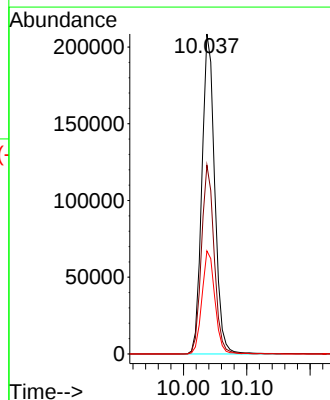
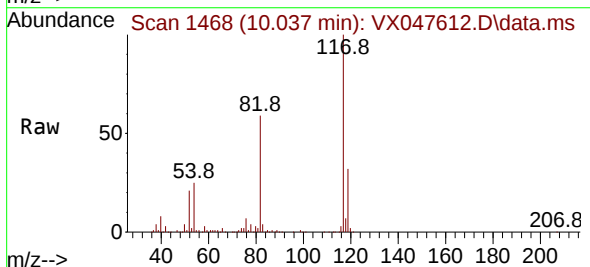
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

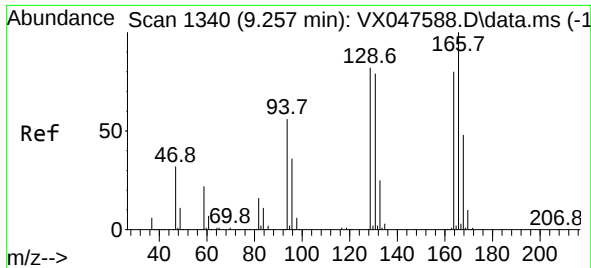
Tgt Ion: 95 Resp: 156782
Ion Ratio Lower Upper
95 100
174 69.8 0.0 141.6
176 68.0 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 117 Resp: 294706
Ion Ratio Lower Upper
117 100
82 59.0 47.8 71.6
119 32.2 25.2 37.8

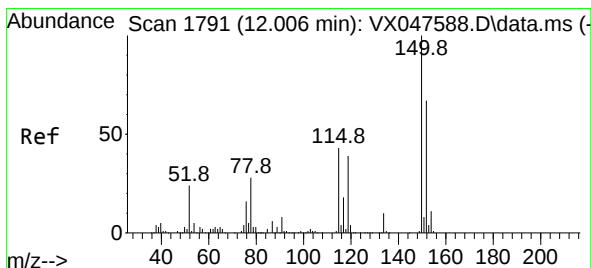
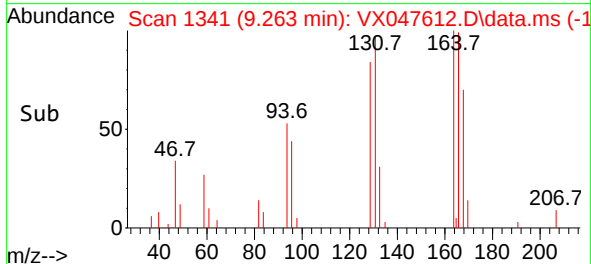
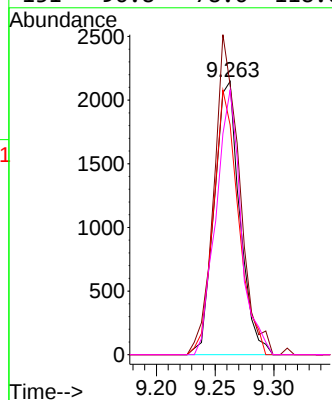
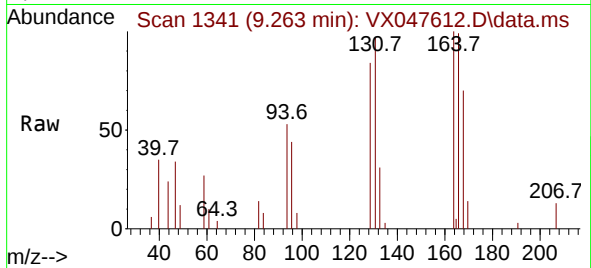




#64
Tetrachloroethene
Concen: 1.684 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

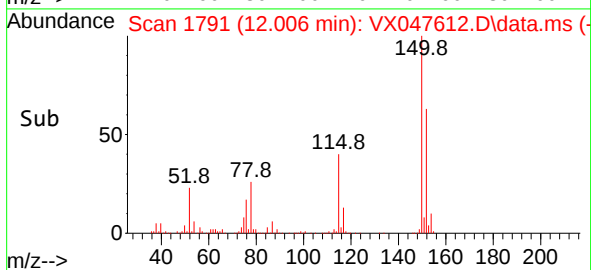
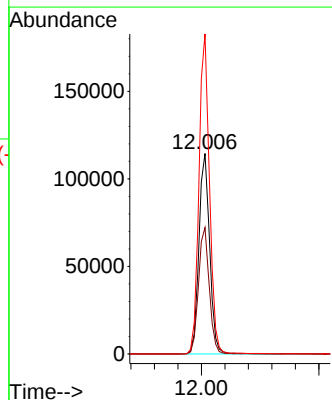
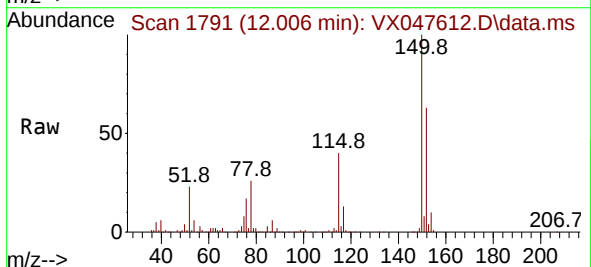
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

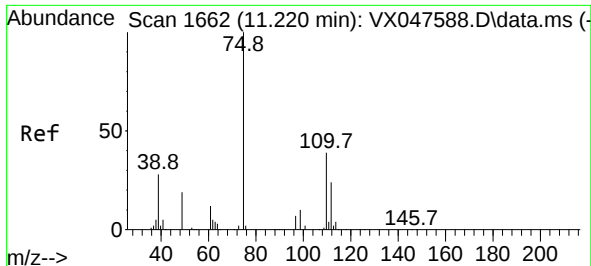
Tgt Ion:164 Resp: 3235
Ion Ratio Lower Upper
164 100
166 98.7 100.2 150.2#
129 84.1 81.8 122.6
131 96.8 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion:152 Resp: 144921
Ion Ratio Lower Upper
152 100
115 63.4 44.9 134.5
150 156.5 0.0 352.0

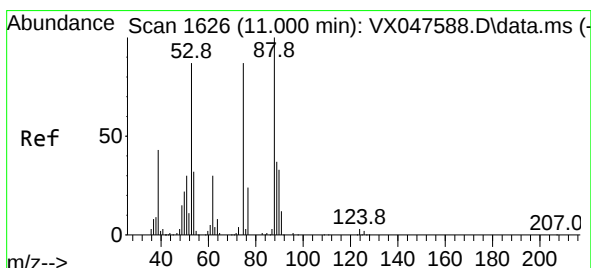
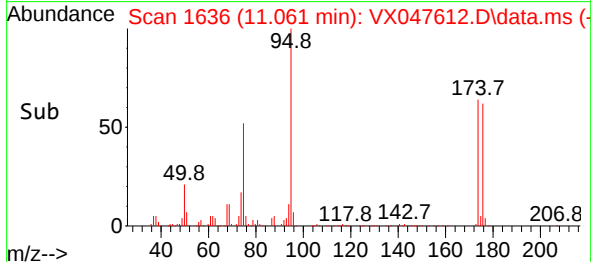
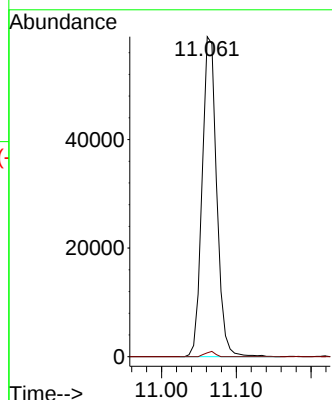
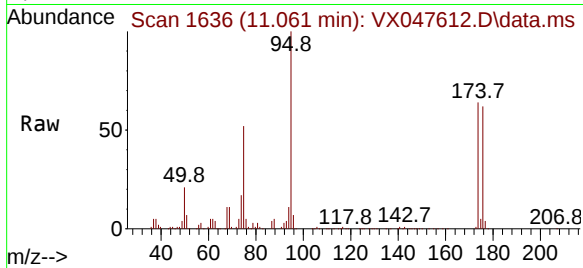




#76
1,2,3-Trichloropropane
Concen: 27.254 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

Tgt Ion: 75 Resp: 79968
Ion Ratio Lower Upper
75 100
77 1.1 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.501 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 75 Resp: 79968
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

