

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047610.D
 Acq On : 17 Sep 2025 12:21
 Operator : JC/MD
 Sample : Q3095-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D1-20250908

Quant Time: Sep 18 02:02:42 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)

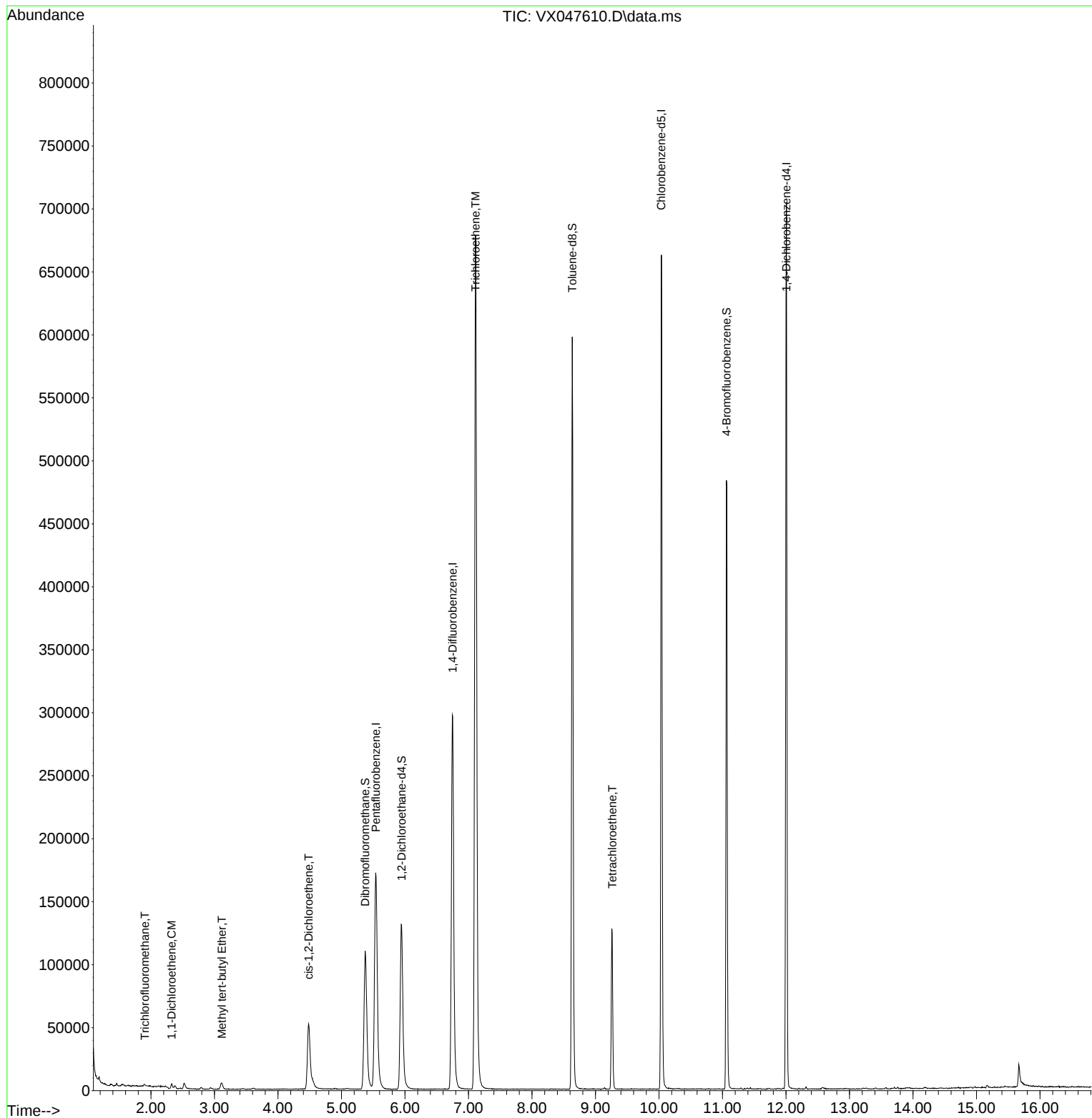
Internal Standards						
1) Pentafluorobenzene	5.544	168	175550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	325614	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	296492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	144135	51.582	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 103.160%		
35) Dibromofluoromethane	5.373	113	104593	47.896	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 95.800%		
50) Toluene-d8	8.635	98	366349	48.483	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 96.960%		
62) 4-Bromofluorobenzene	11.061	95	143443	50.020	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 100.040%		
Target Compounds						
						Qvalue
7) Trichlorofluoromethane	1.904	101	1104	0.318	ug/l #	76
12) 1,1-Dichloroethene	2.325	96	1330	0.638	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	5702	0.749	ug/l #	78
27) cis-1,2-Dichloroethene	4.483	96	37070	13.480	ug/l	89
44) Trichloroethene	7.111	130	278331	118.787	ug/l	99
64) Tetrachloroethene	9.263	164	25046	12.958	ug/l	94

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

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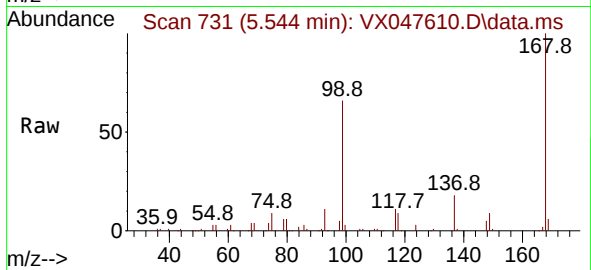
Quant Time: Sep 18 02:02:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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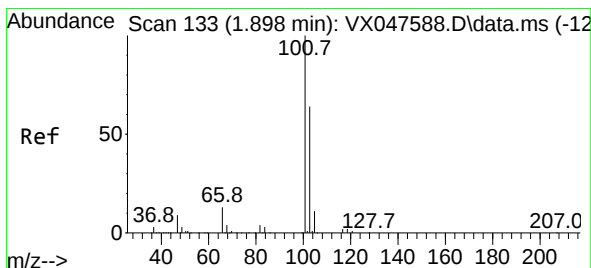
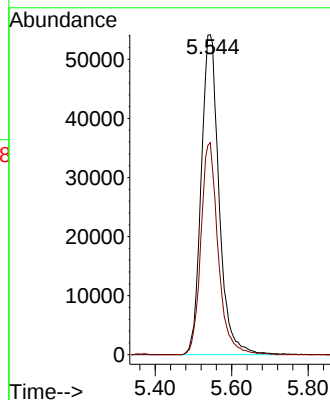
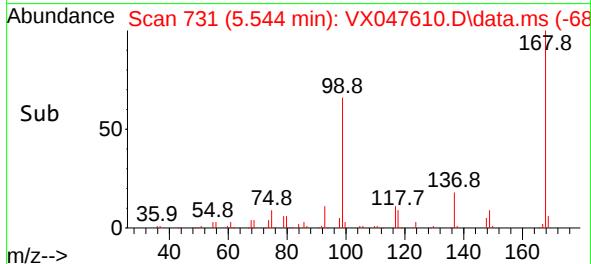


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

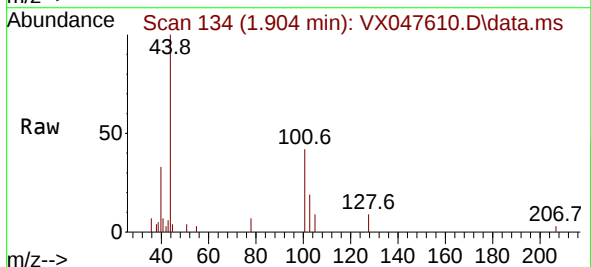
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908



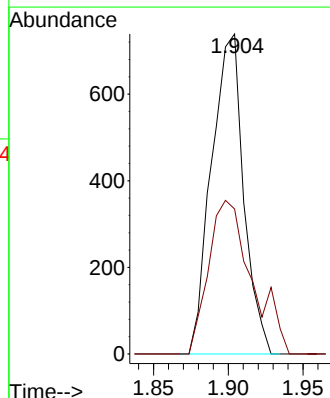
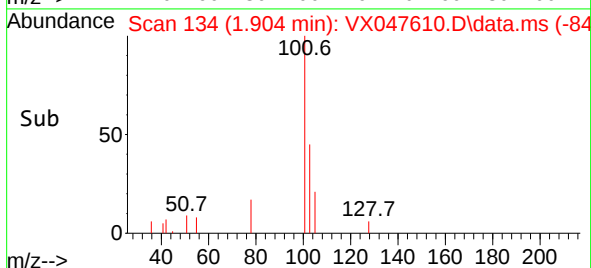
Tgt Ion:168 Resp: 175550
Ion Ratio Lower Upper
168 100
99 66.2 48.8 73.2

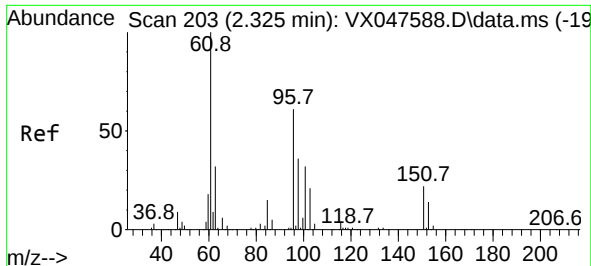


#7
Trichlorofluoromethane
Concen: 0.318 ug/l
RT: 1.904 min Scan# 134
Delta R.T. 0.006 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21



Tgt Ion:101 Resp: 1104
Ion Ratio Lower Upper
101 100
103 45.3 51.4 77.2#





#12

1,1-Dichloroethene

Concen: 0.638 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX047610.D

Acq: 17 Sep 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20250908

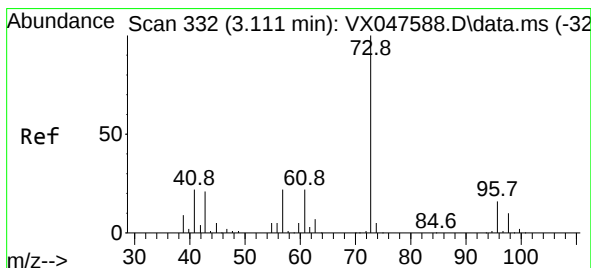
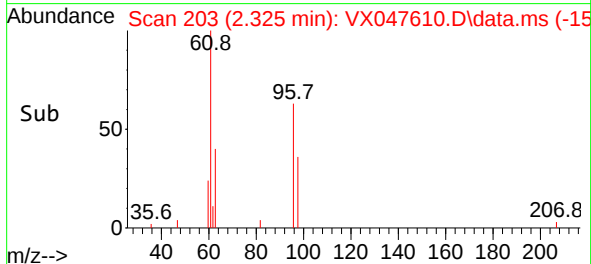
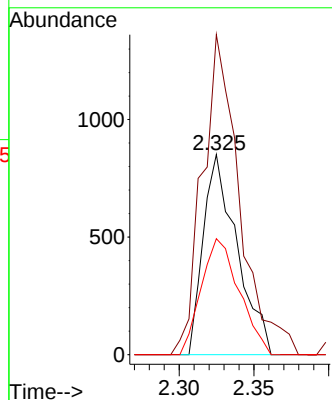
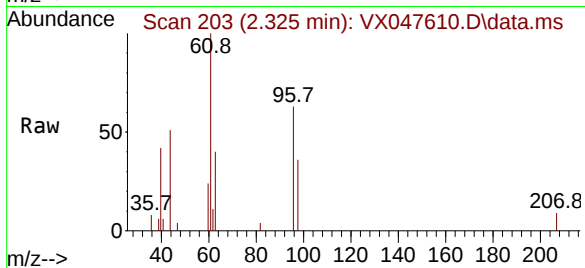
Tgt Ion: 96 Resp: 1330

Ion Ratio Lower Upper

96 100

61 152.8 131.0 196.6

98 57.9 47.7 71.5



#19

Methyl tert-butyl Ether

Concen: 0.749 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX047610.D

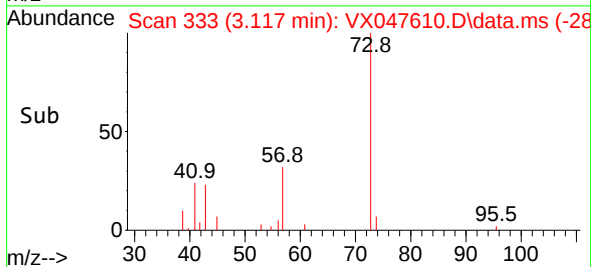
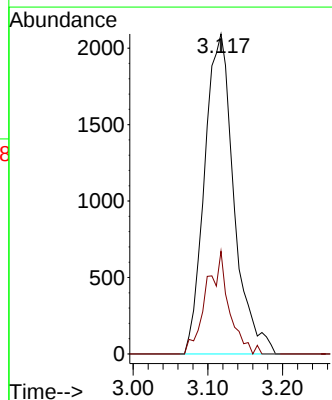
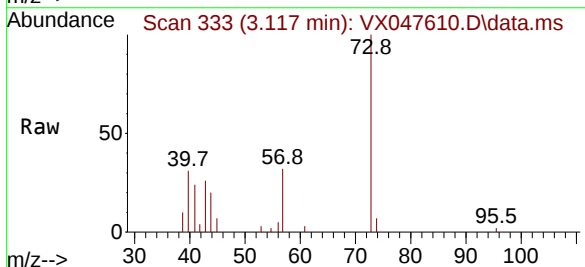
Acq: 17 Sep 2025 12:21

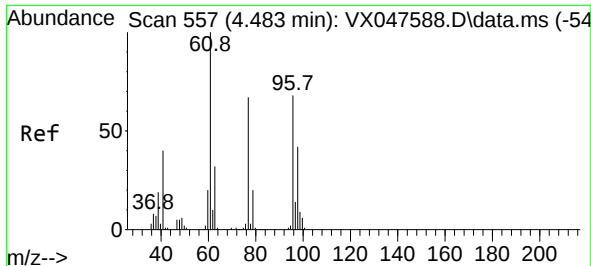
Tgt Ion: 73 Resp: 5702

Ion Ratio Lower Upper

73 100

57 32.1 17.4 26.2#





#27

cis-1,2-Dichloroethene

Concen: 13.480 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX047610.D

Acq: 17 Sep 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20250908

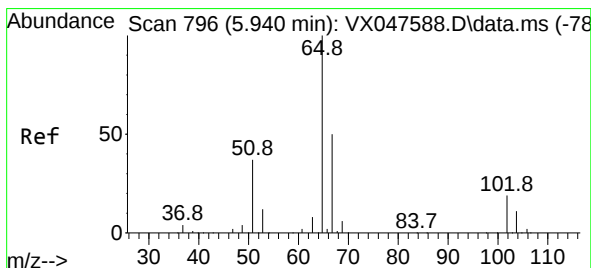
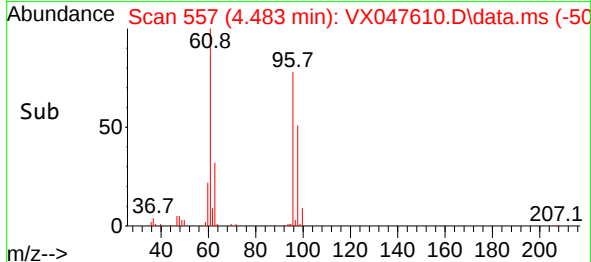
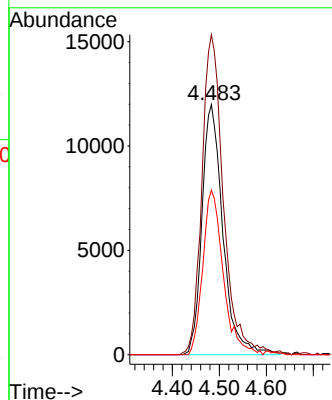
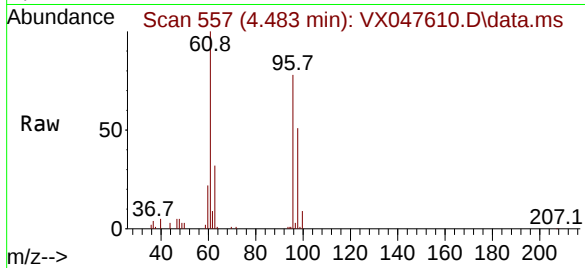
Tgt Ion: 96 Resp: 37070

Ion Ratio Lower Upper

96 100

61 131.2 0.0 303.2

98 64.1 0.0 127.8



#33

1,2-Dichloroethane-d4

Concen: 51.582 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX047610.D

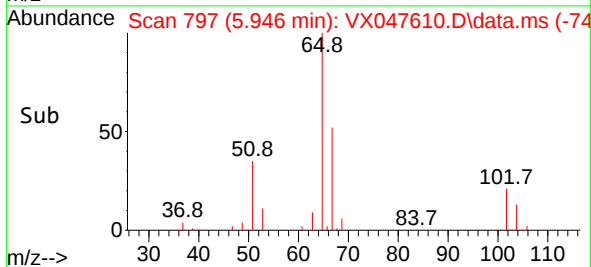
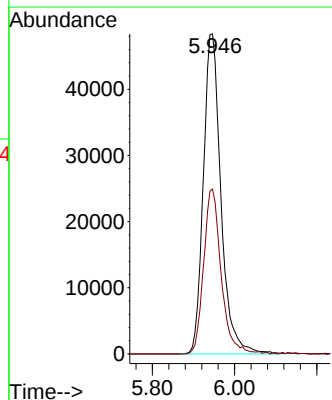
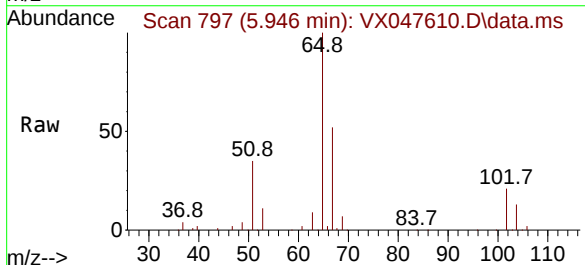
Acq: 17 Sep 2025 12:21

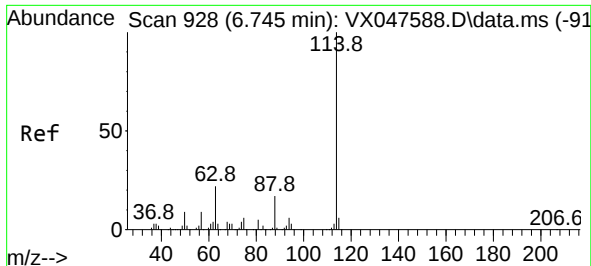
Tgt Ion: 65 Resp: 144135

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.0

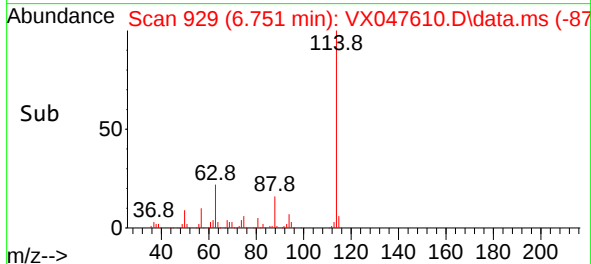
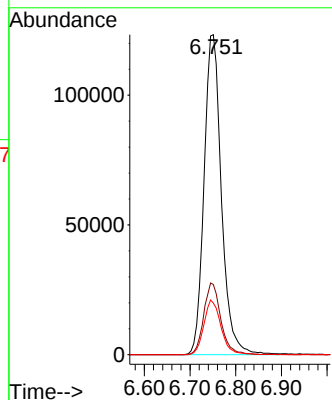
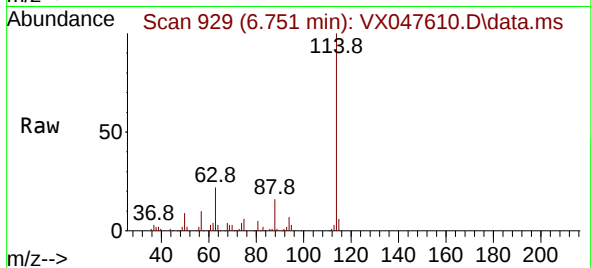




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

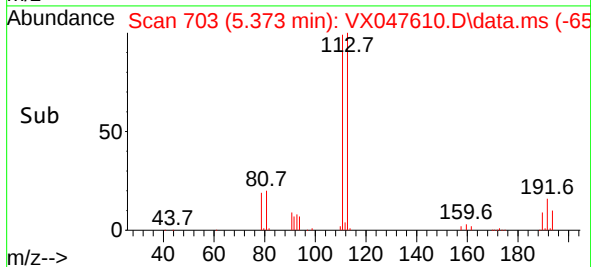
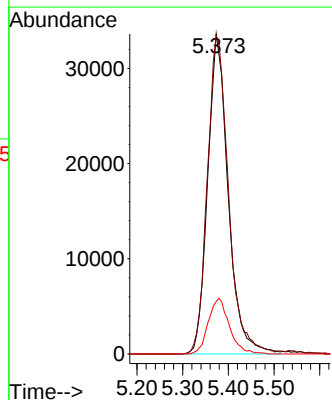
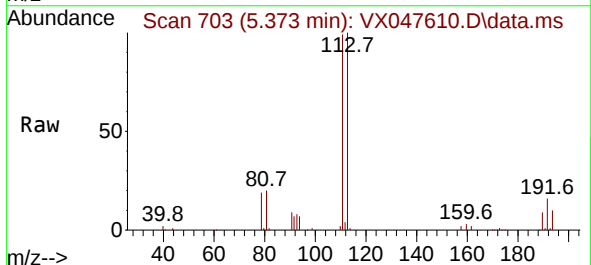
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MW179D1-20250908

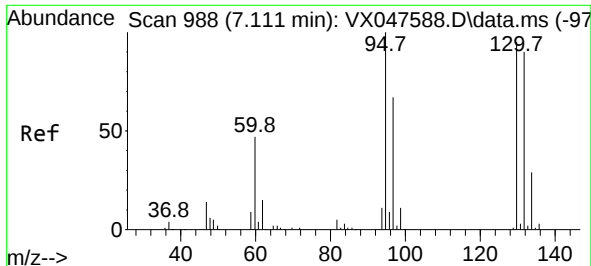
Tgt Ion:114 Resp: 325614
Ion Ratio Lower Upper
114 100
63 22.0 0.0 44.0
88 16.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 47.896 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion:113 Resp: 104593
Ion Ratio Lower Upper
113 100
111 103.5 80.9 121.3
192 17.9 14.2 21.4

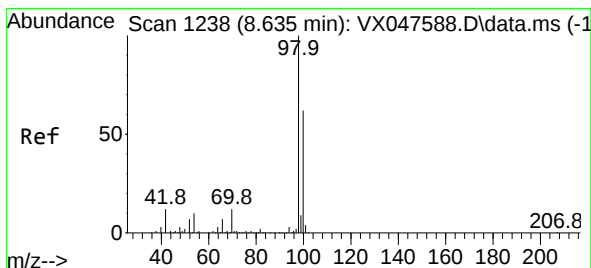
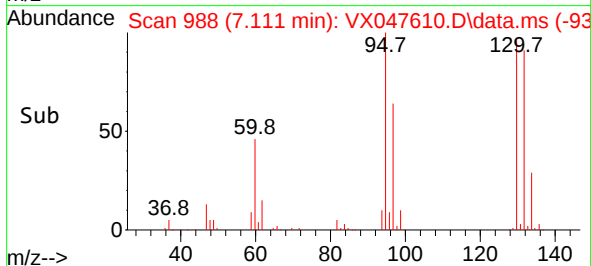
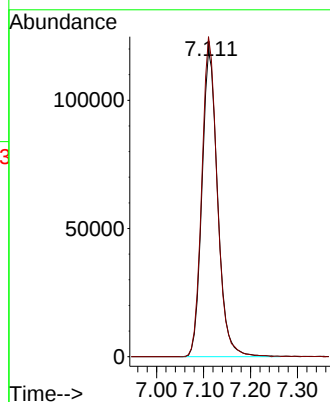
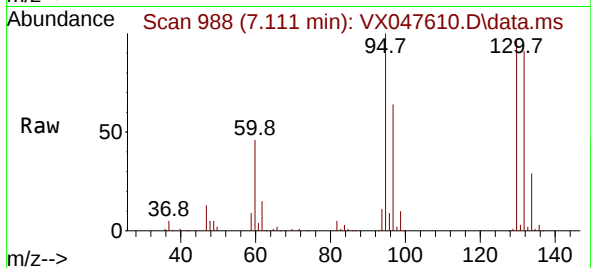




#44
Trichloroethene
Concen: 118.787 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

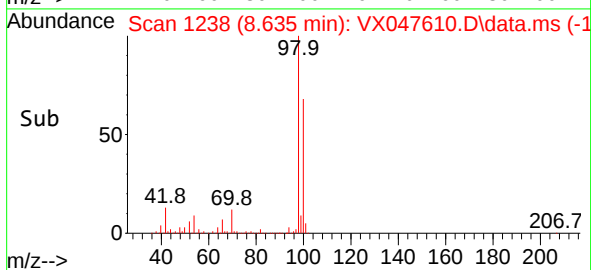
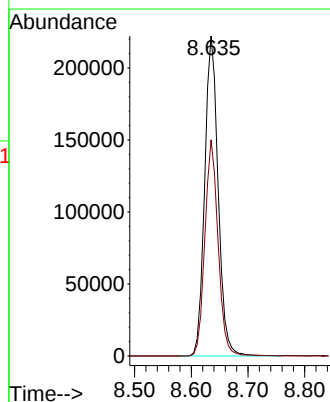
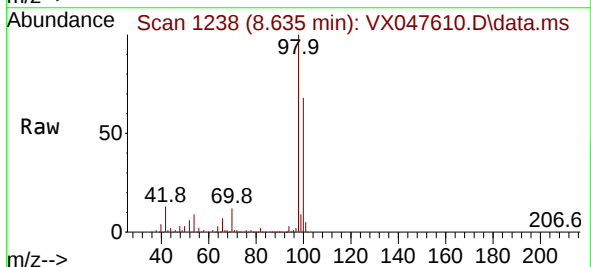
Instrument :
MSVOA_X
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MW179D1-20250908

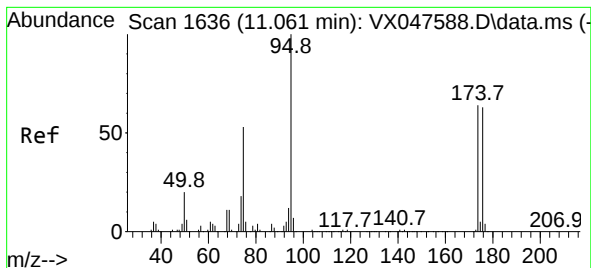
Tgt Ion:130 Resp: 278331
Ion Ratio Lower Upper
130 100
95 104.6 0.0 210.8



#50
Toluene-d8
Concen: 48.483 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion: 98 Resp: 366349
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 50.020 ug/l

RT: 11.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047610.D

Acq: 17 Sep 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20250908

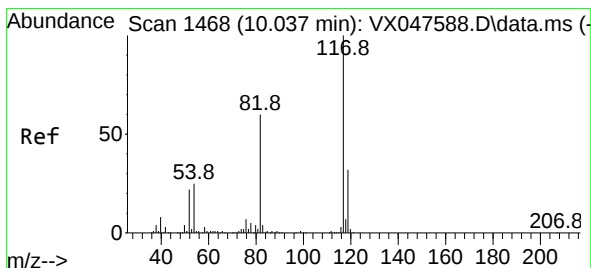
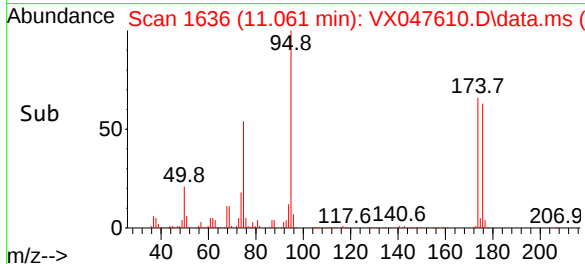
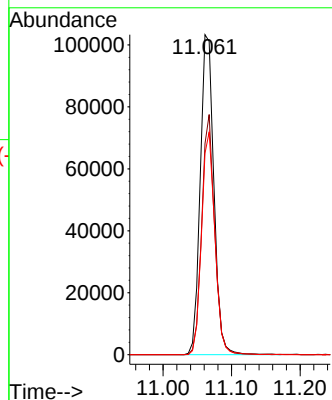
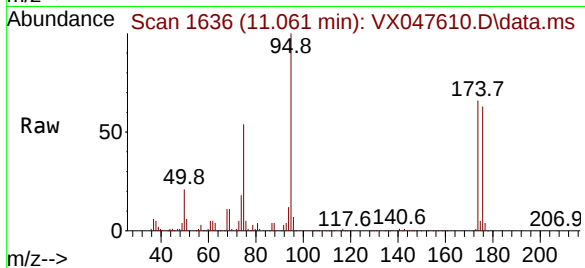
Tgt Ion: 95 Resp: 143443

Ion Ratio Lower Upper

95 100

174 70.7 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: VX047610.D

Acq: 17 Sep 2025 12:21

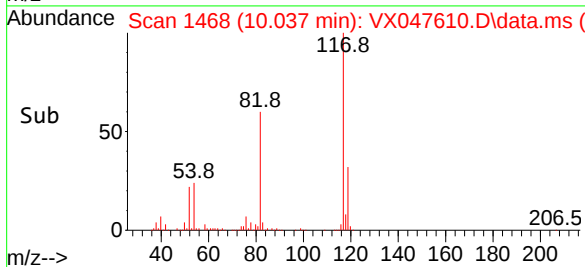
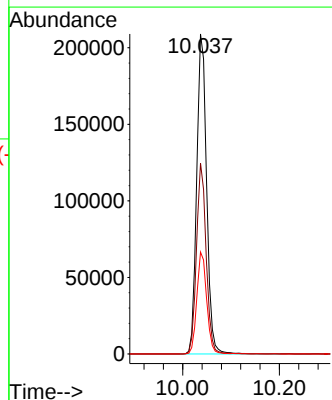
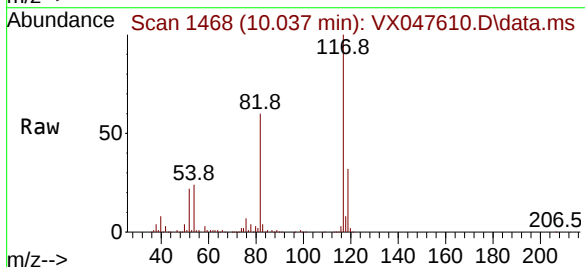
Tgt Ion: 117 Resp: 296492

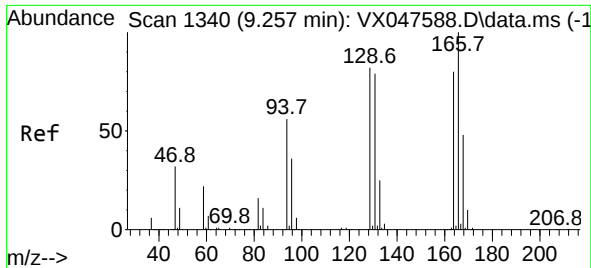
Ion Ratio Lower Upper

117 100

82 59.6 47.8 71.6

119 31.9 25.2 37.8

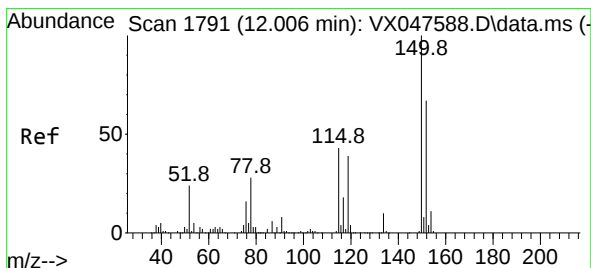
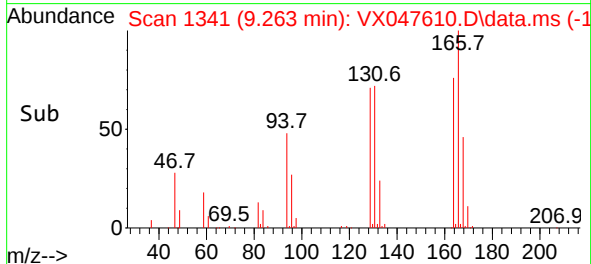
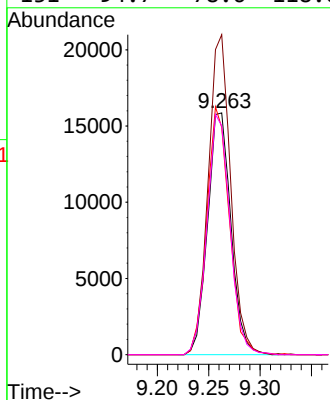
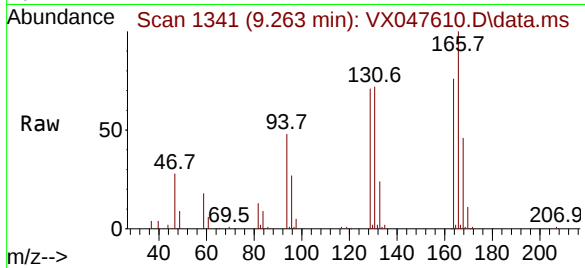




#64
Tetrachloroethene
Concen: 12.958 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047610.D
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Tgt Ion:164	Resp:	25046
Ion Ratio	Lower	Upper
164	100	
166	132.4	100.2 150.2
129	94.0	81.8 122.6
131	94.7	78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion:152	Resp:	143935
Ion Ratio	Lower	Upper
152	100	
115	63.6	44.9 134.5
150	159.0	0.0 352.0

