

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 22 03:05:04 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%

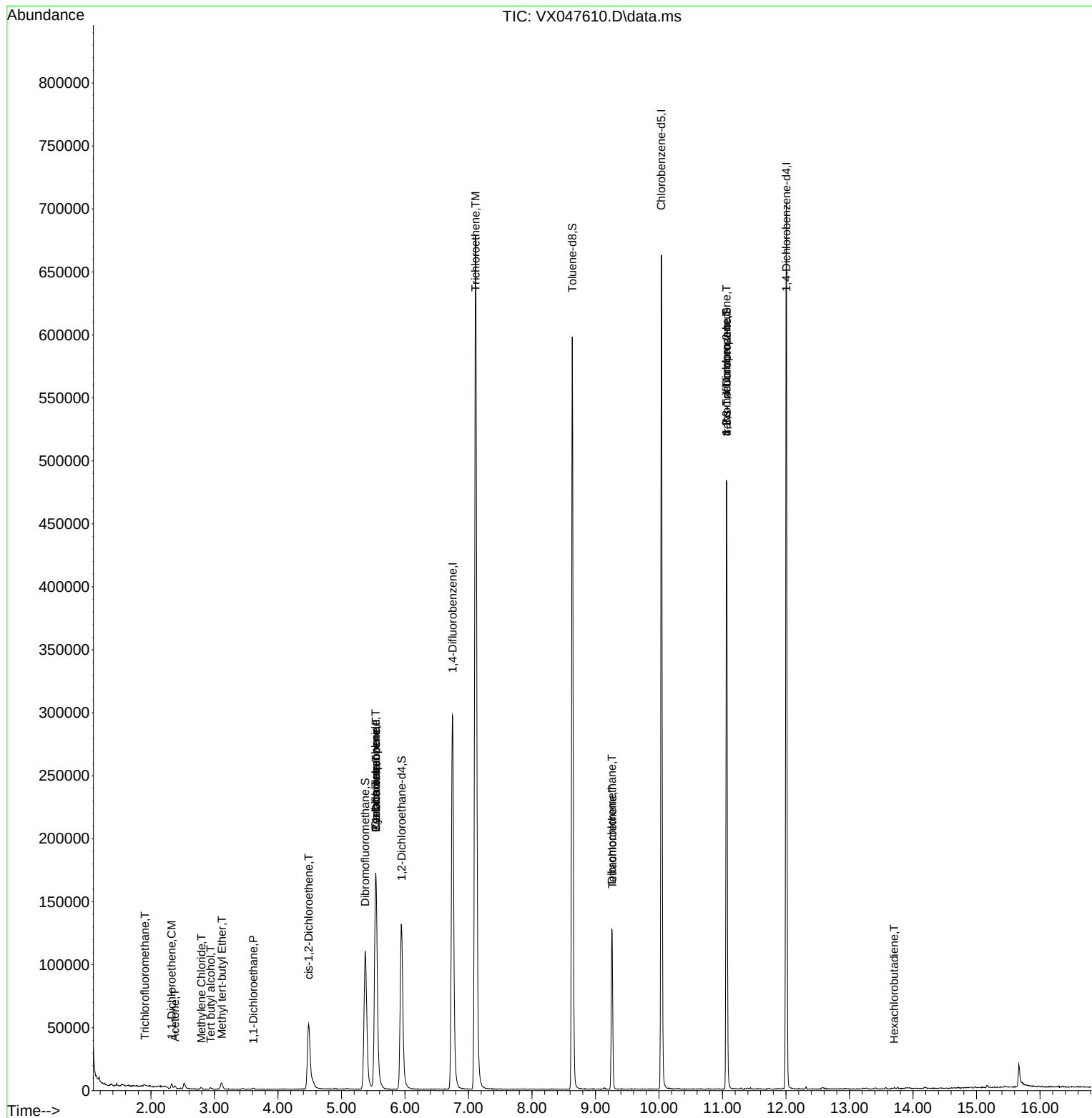
Target Compounds						Qvalue
7) Trichlorofluoromethane	1.904	101	1104	0.318	ug/l #	76
11) Tert butyl alcohol	2.941	59	380	1.221	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	1330	0.638	ug/l	93
16) Acetone	2.380	43	2981	2.454	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	5702	0.749	ug/l #	78
20) Methylene Chloride	2.794	84	540	0.210	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	1209	0.273	ug/l #	81
27) cis-1,2-Dichloroethene	4.483	96	37070	13.480	ug/l	89
31) Cyclohexane	5.544	56	3920	1.062	ug/l #	40
36) 1,1-Dichloropropene	5.544	75	15262	4.783	ug/l #	51
38) Carbon Tetrachloride	5.538	117	18822	5.429	ug/l #	17
44) Trichloroethene	7.111	130	278331	118.787	ug/l	99
60) Dibromochloromethane	9.257	129	24854	9.369	ug/l #	11
64) Tetrachloroethene	9.263	164	25046	12.958	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	76552	26.268	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	76552	66.988	ug/l #	8
94) Hexachlorobutadiene	13.701	225	252	0.239	ug/l	68

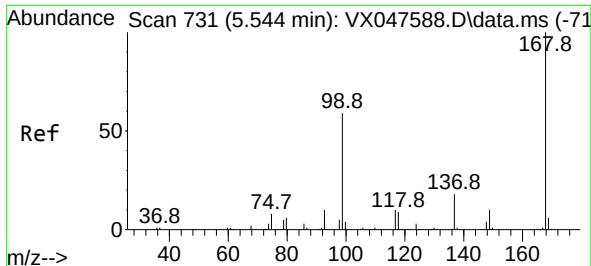
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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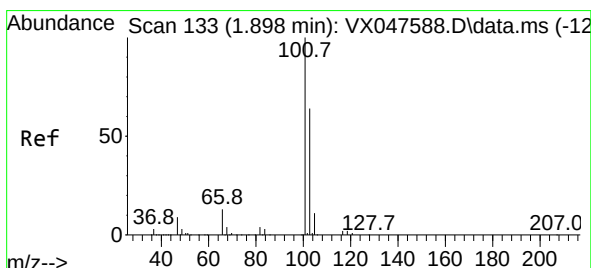
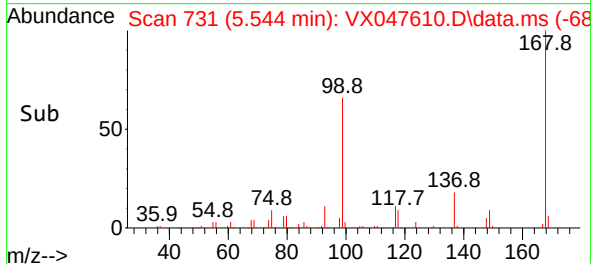
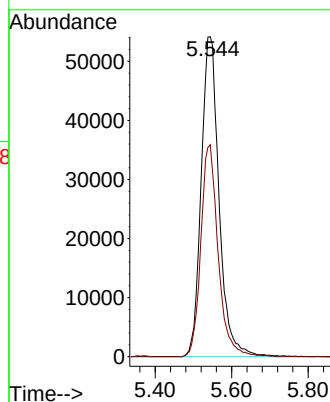
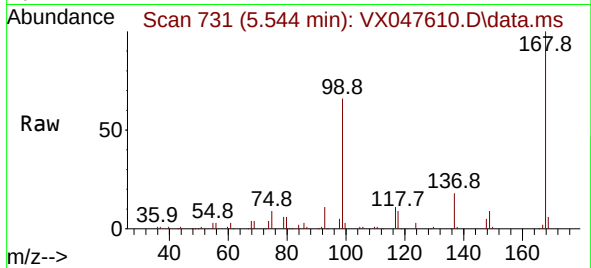




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

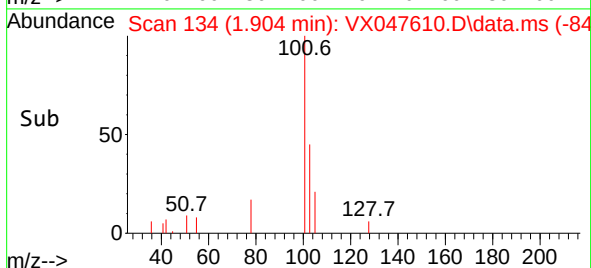
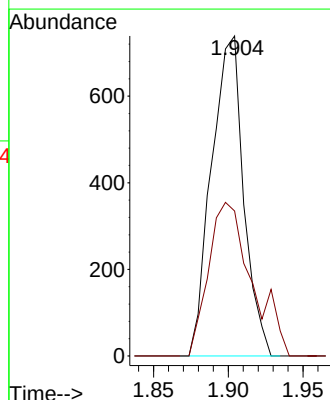
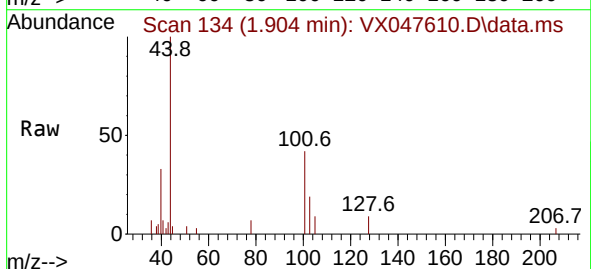
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

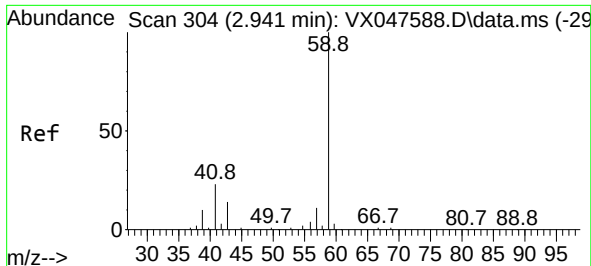
Tgt Ion:168 Resp: 175550
Ion Ratio Lower Upper
168 100
99 66.2 48.8 73.2



#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#

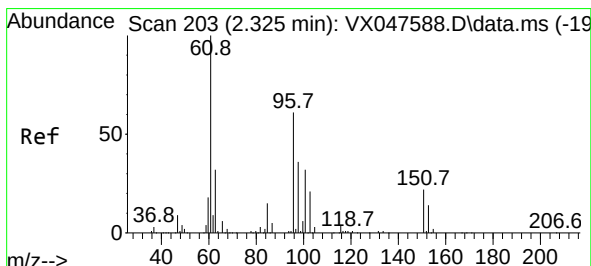
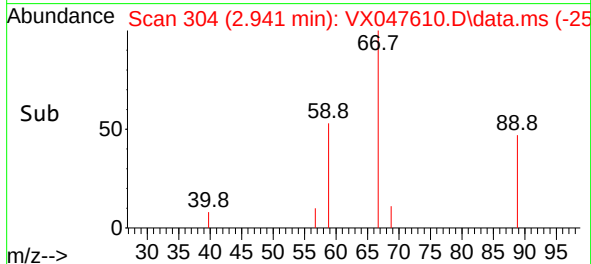
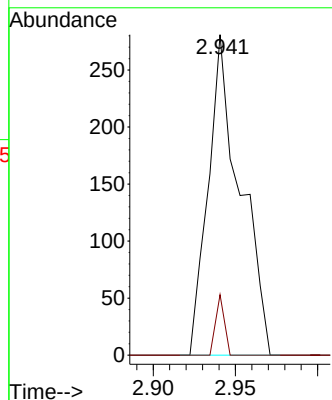
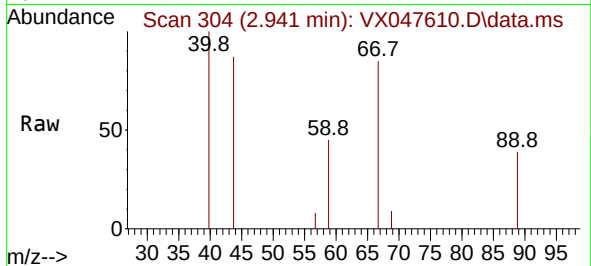




#11
Tert butyl alcohol
Concen: 1.221 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

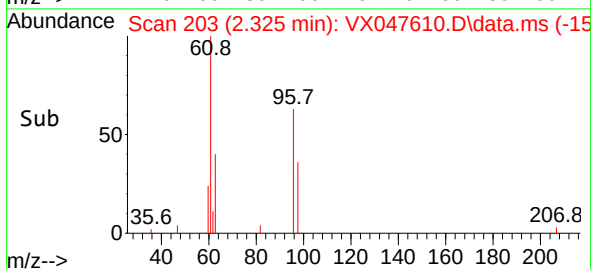
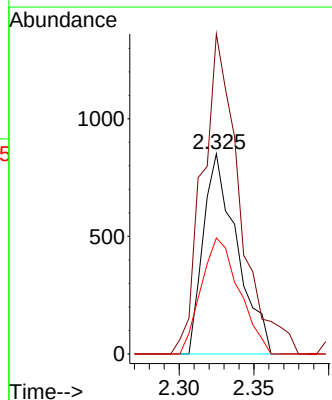
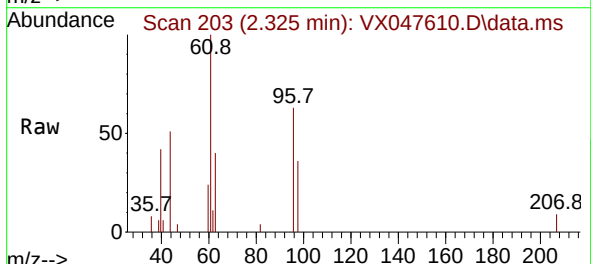
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

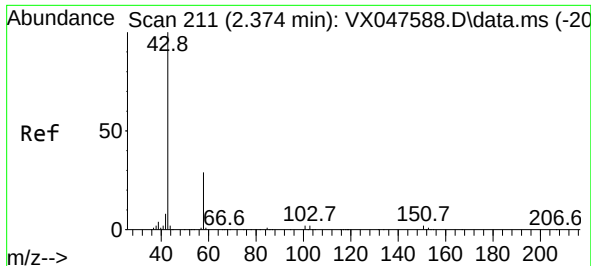
Tgt Ion: 59 Resp: 380
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.638 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

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

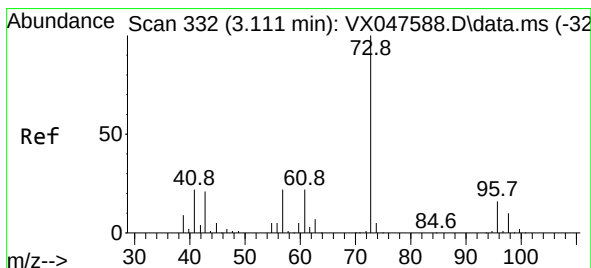
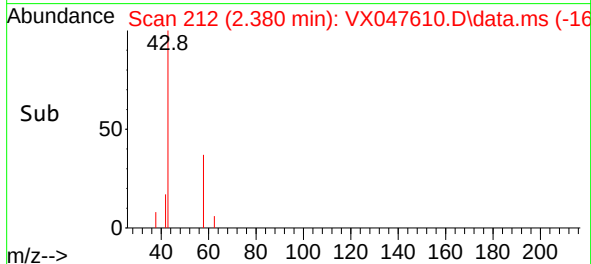
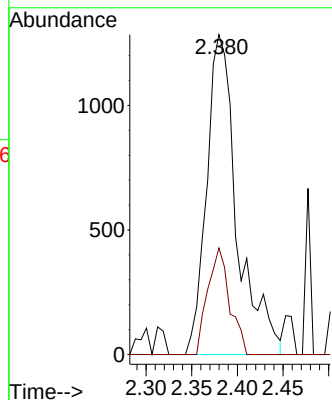
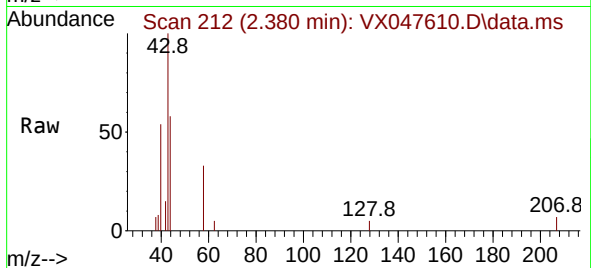




#16
Acetone
Concen: 2.454 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

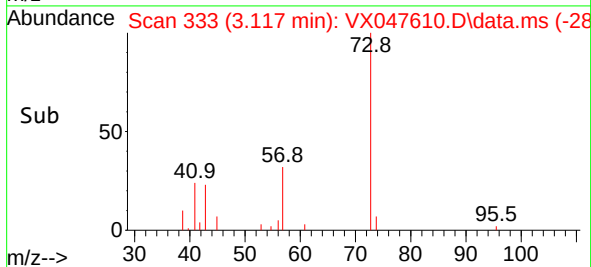
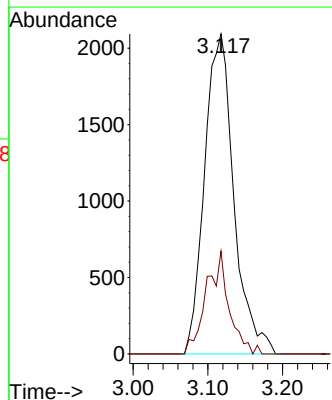
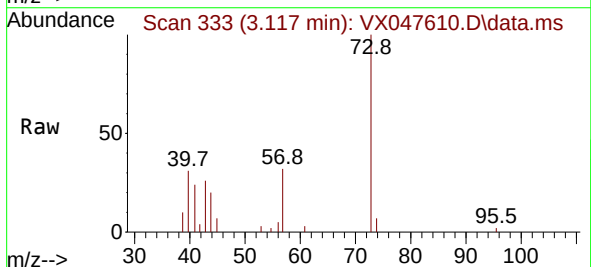
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

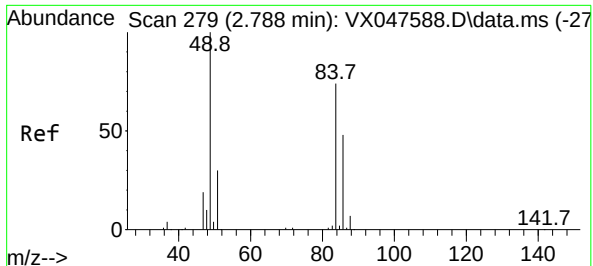
Tgt Ion: 43 Resp: 2981
Ion Ratio Lower Upper
43 100
58 33.3 23.4 35.0



#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#

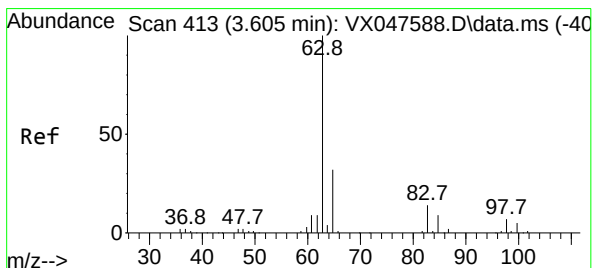
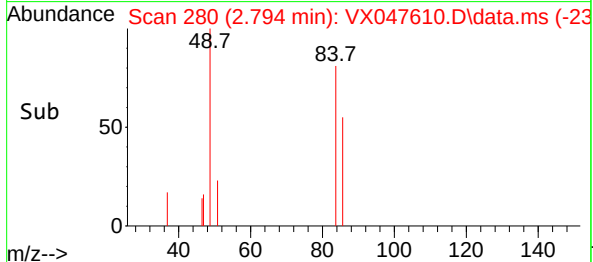
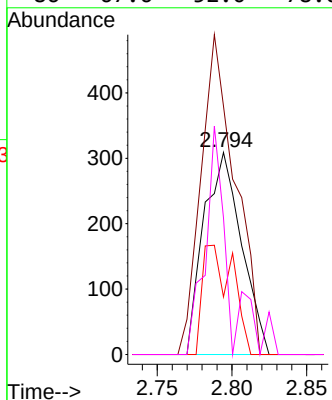
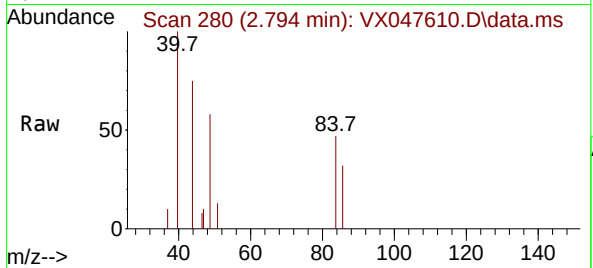




#20
Methylene Chloride
Concen: 0.210 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

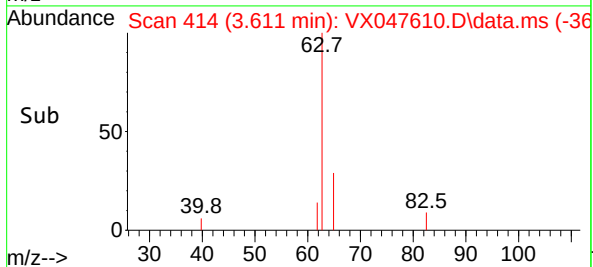
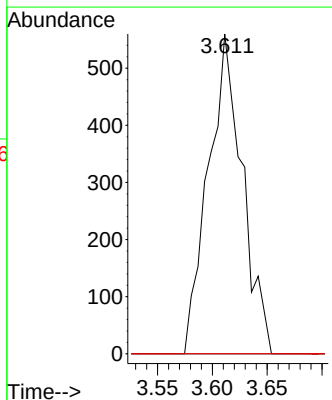
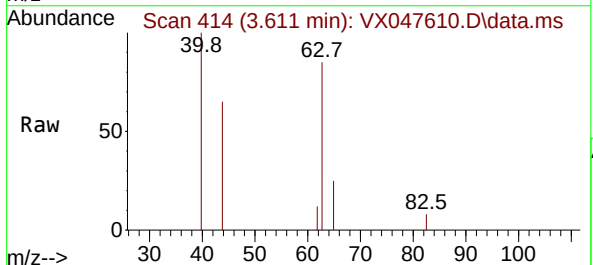
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

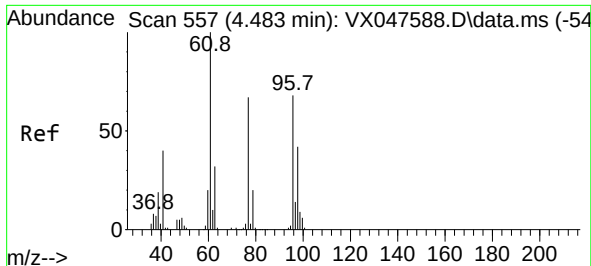
Tgt Ion:	84	Resp:	540
Ion	Ratio	Lower	Upper
84	100		
49	123.0	108.6	162.8
51	28.5	32.6	48.8#
86	67.6	52.0	78.0



#24
1,1-Dichloroethane
Concen: 0.273 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion:	63	Resp:	1209
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.3	6.9#

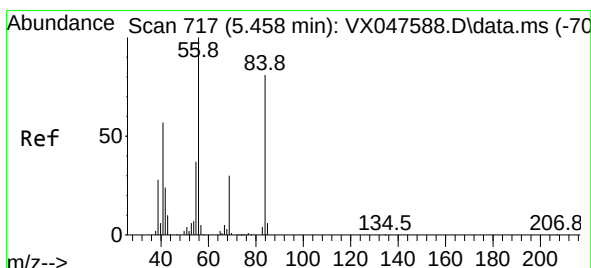
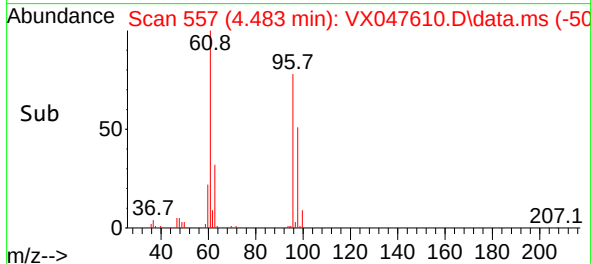
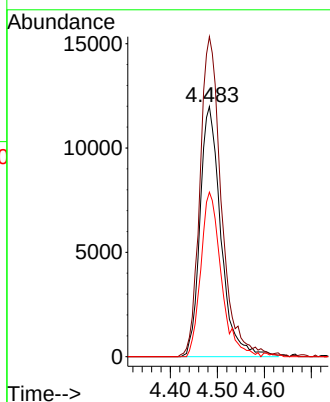
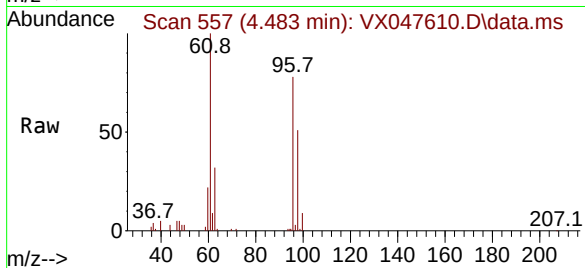




#27
 cis-1,2-Dichloroethene
 Concen: 13.480 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX047610.D
 Acq: 17 Sep 2025 12:21

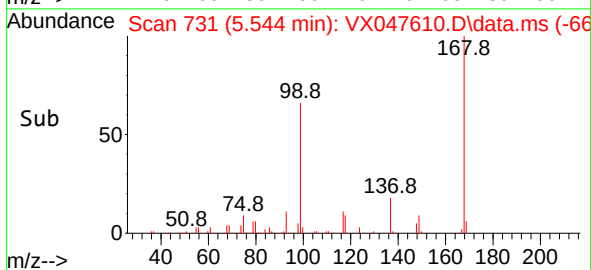
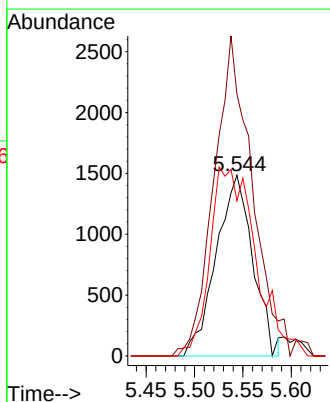
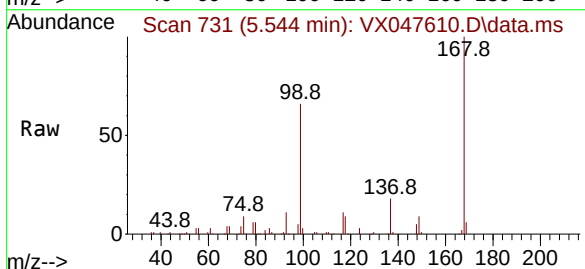
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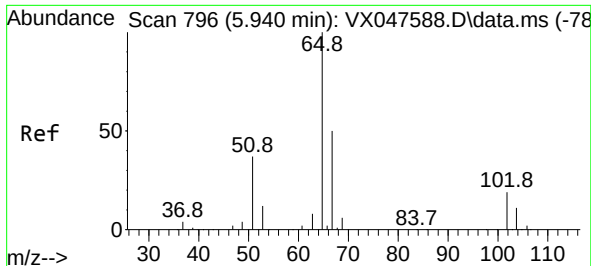
Tgt Ion:	96	Resp:	37070
Ion	Ratio	Lower	Upper
96	100		
61	131.2	0.0	303.2
98	64.1	0.0	127.8



#31
 Cyclohexane
 Concen: 1.062 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. 0.085 min
 Lab File: VX047610.D
 Acq: 17 Sep 2025 12:21

Tgt Ion:	56	Resp:	3920
Ion	Ratio	Lower	Upper
56	100		
69	140.9	23.8	35.8#
84	86.1	64.6	97.0





#33

1,2-Dichloroethane-d4

Concen: 51.582 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047610.D

Acq: 17 Sep 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

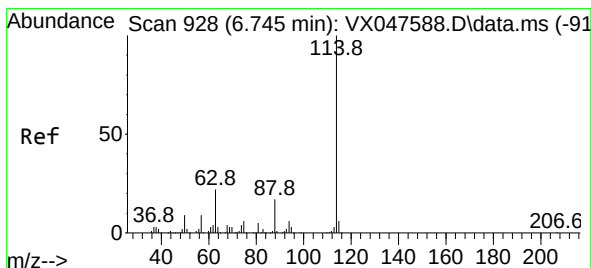
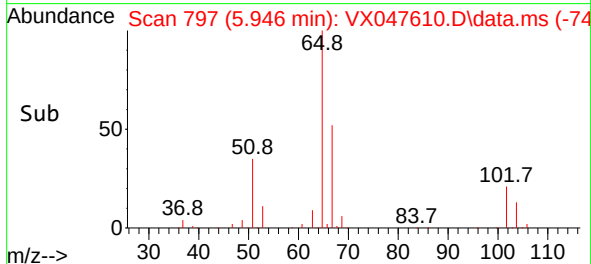
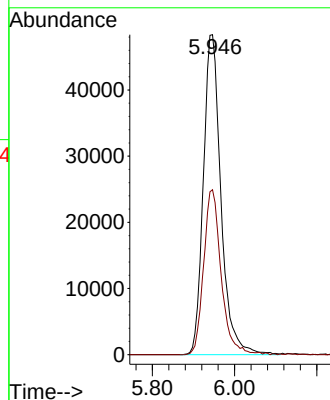
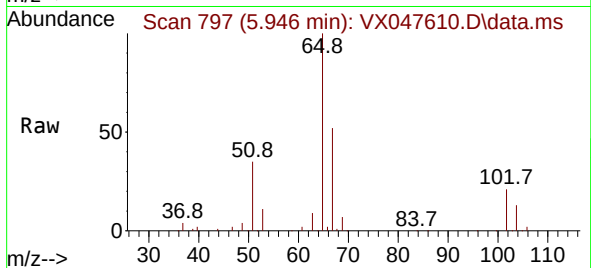
MW179D1-20250908

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# 929

Delta R.T. 0.006 min

Lab File: VX047610.D

Acq: 17 Sep 2025 12:21

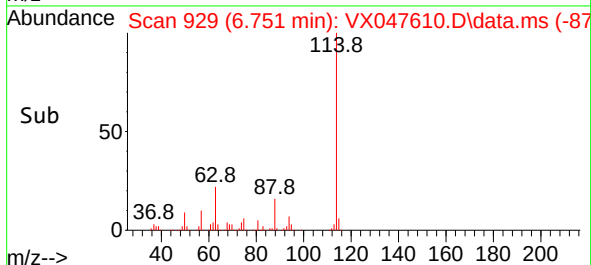
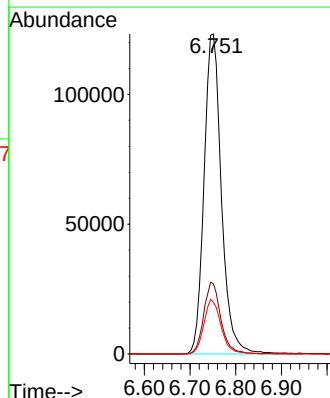
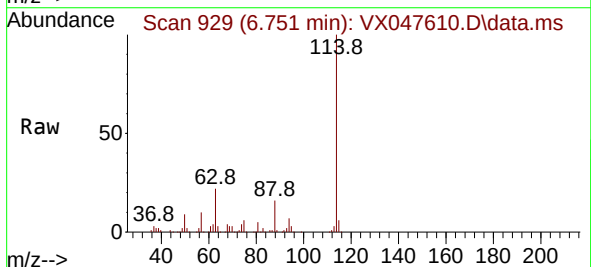
Tgt Ion: 114 Resp: 325614

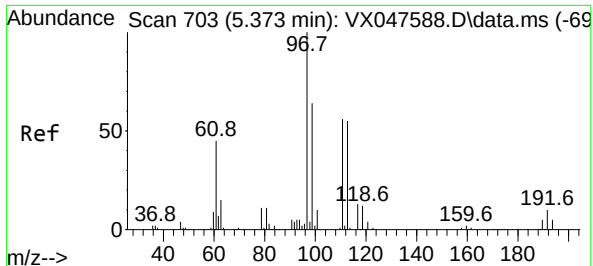
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 16.2 0.0 34.2

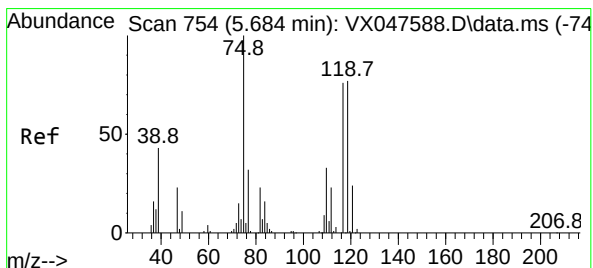
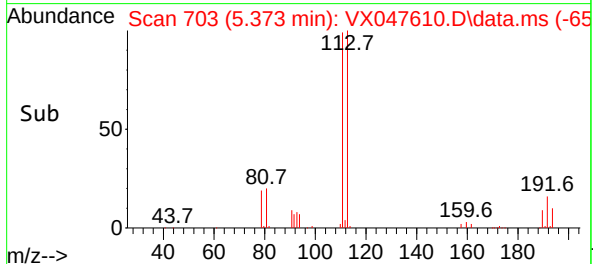
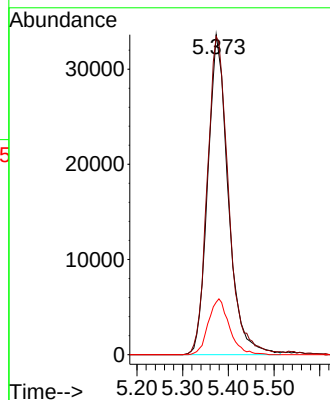
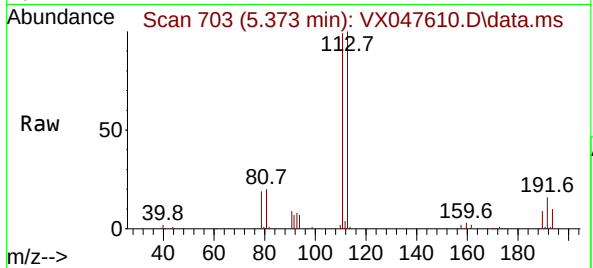




#35
Dibromofluoromethane
Concen: 47.896 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

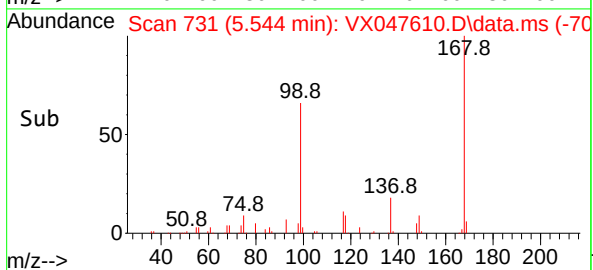
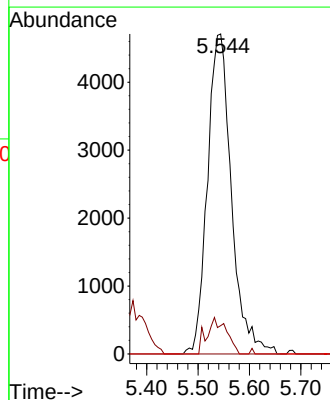
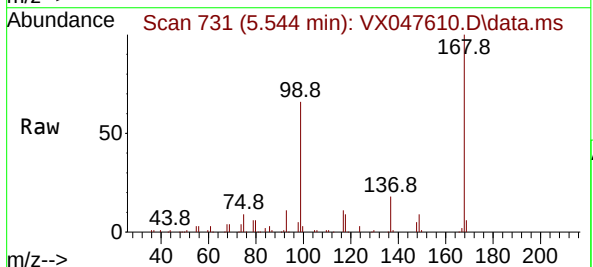
Instrument :
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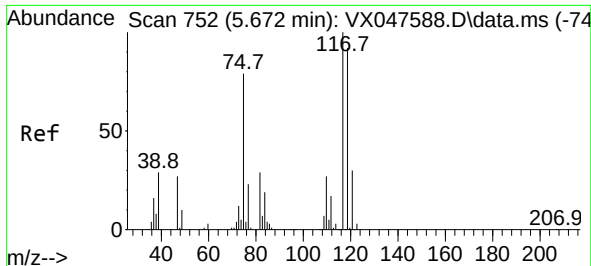
Tgt Ion:113 Resp: 104593
Ion Ratio Lower Upper
113 100
111 103.5 80.9 121.3
192 17.9 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.783 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion: 75 Resp: 15262
Ion Ratio Lower Upper
75 100
110 9.3 16.7 50.1#
77 0.0 24.3 36.5#

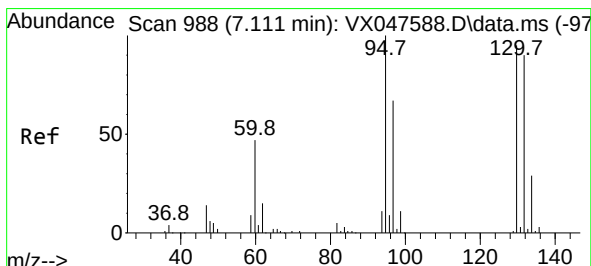
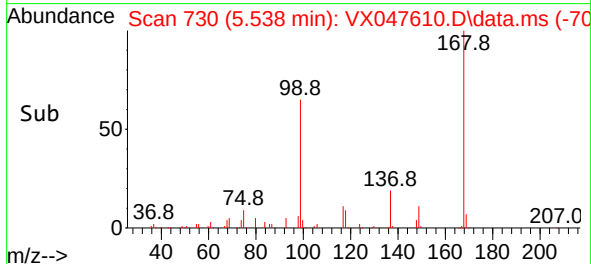
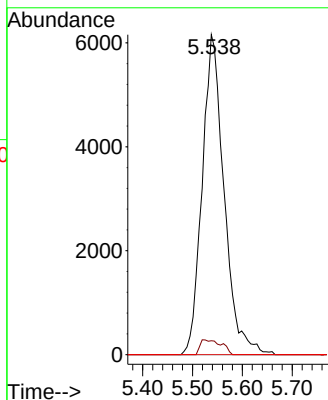
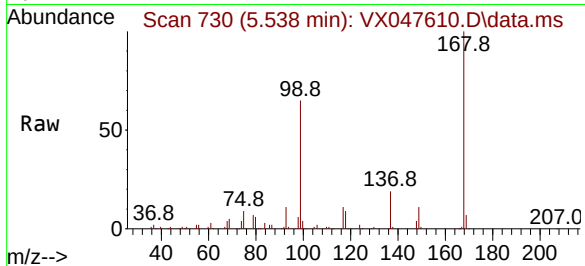




#38
Carbon Tetrachloride
Concen: 5.429 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

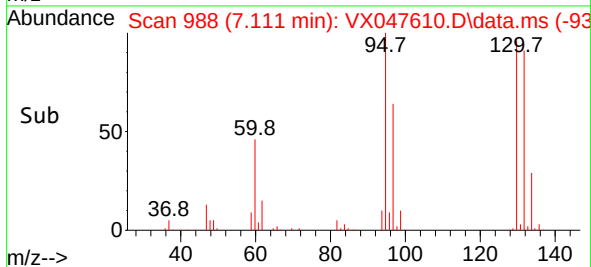
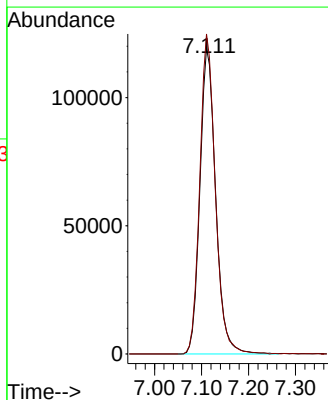
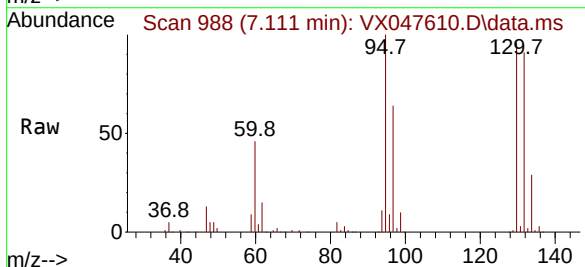
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

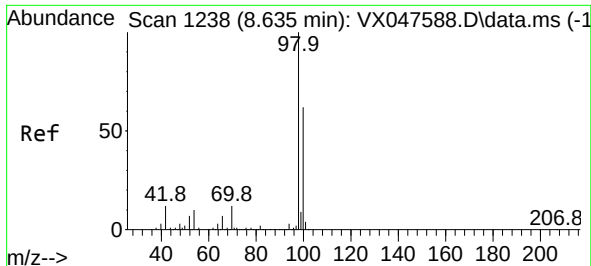
Tgt Ion:117 Resp: 18822
Ion Ratio Lower Upper
117 100
119 4.3 73.4 110.2#
121 0.0 23.8 35.6#



#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

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

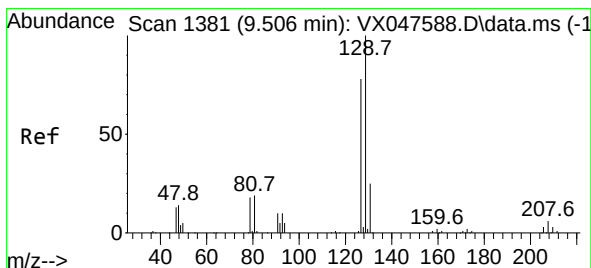
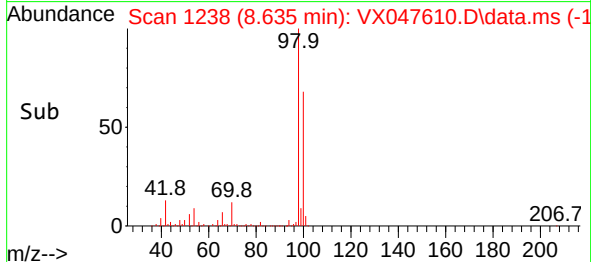
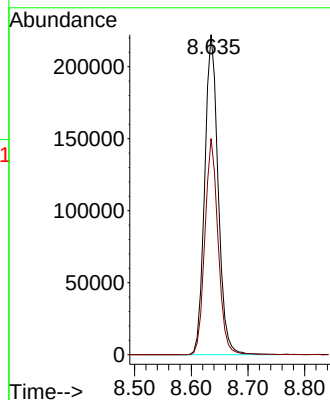
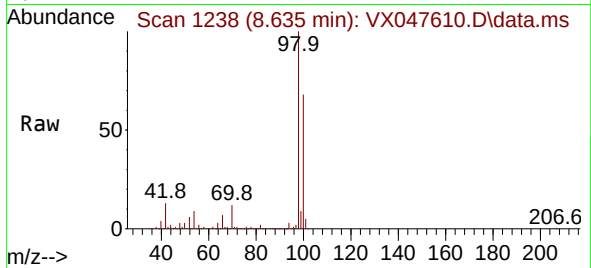




#50
Toluene-d8
Concen: 48.483 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

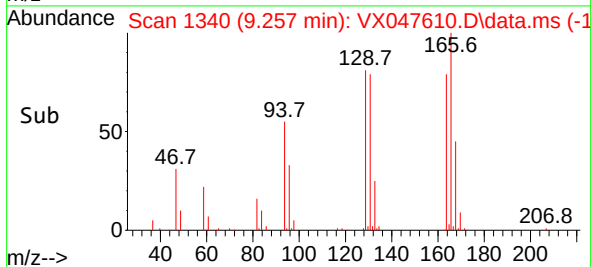
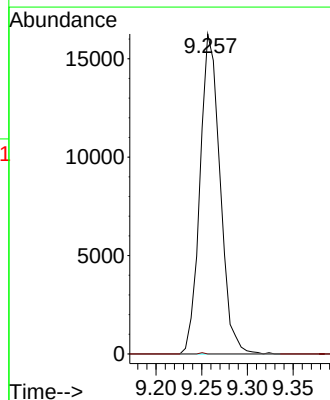
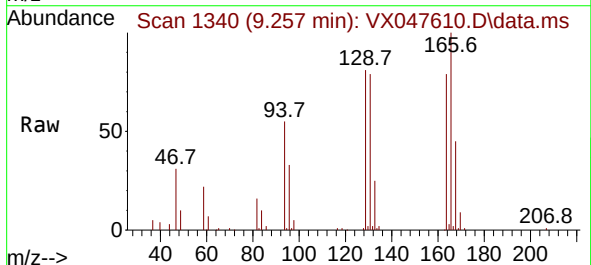
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

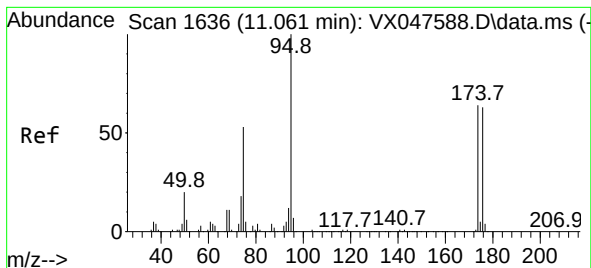
Tgt Ion: 98 Resp: 366349
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



#60
Dibromochloromethane
Concen: 9.369 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion: 129 Resp: 24854
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.2#

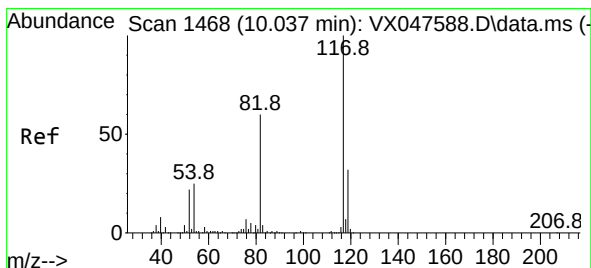
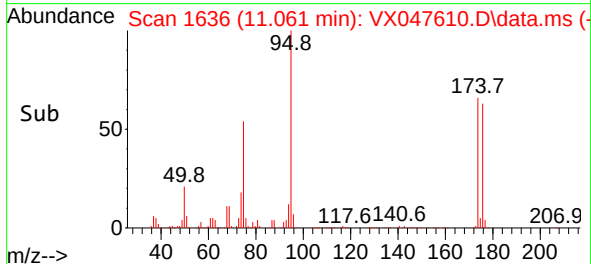
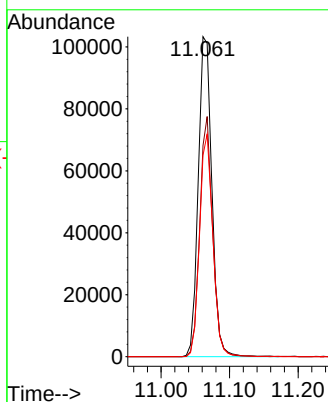
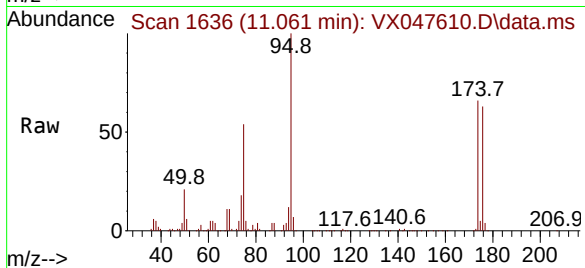




#62
4-Bromofluorobenzene
Concen: 50.020 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

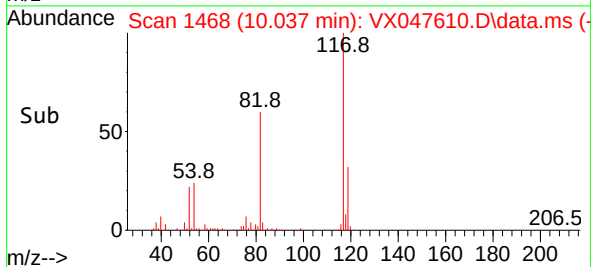
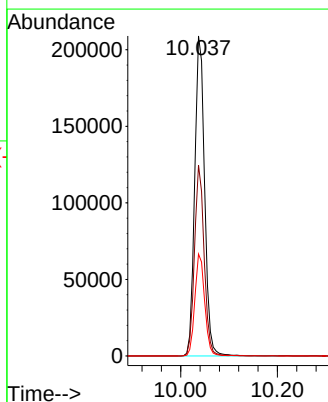
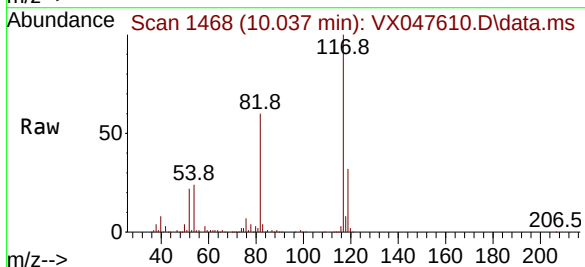
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

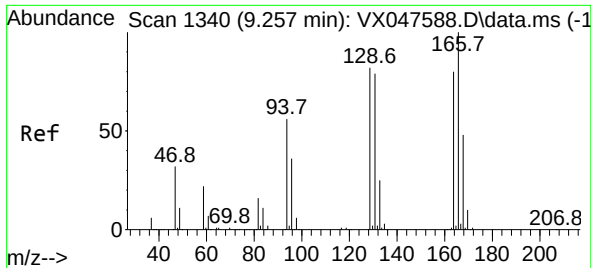
Tgt Ion: 95 Resp: 143443
Ion Ratio Lower Upper
95 100
174 70.7 0.0 141.6
176 68.0 0.0 138.4



#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

Acq: 17 Sep 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20250908

Tgt Ion:164 Resp: 25046

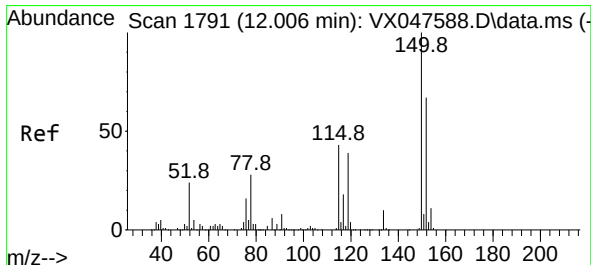
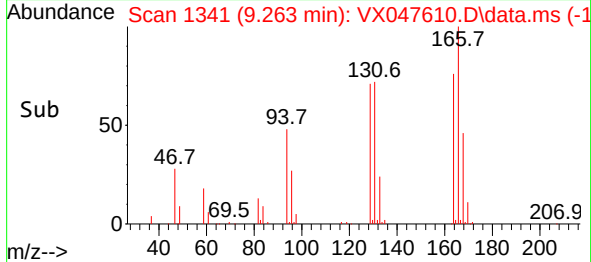
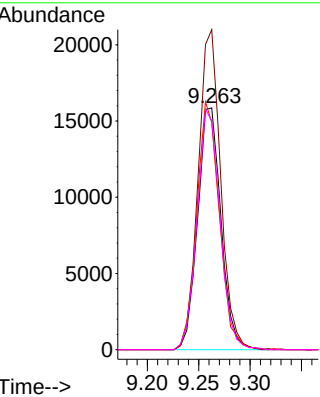
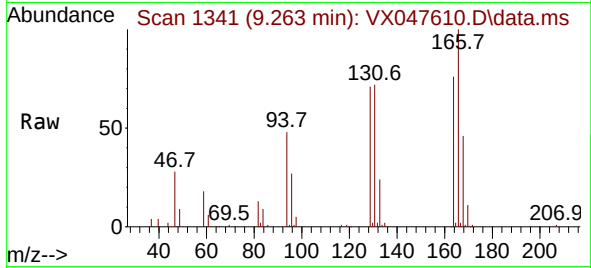
Ion Ratio Lower Upper

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

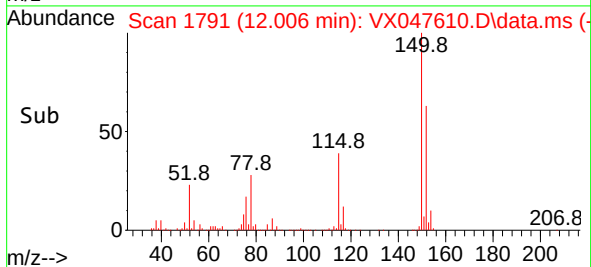
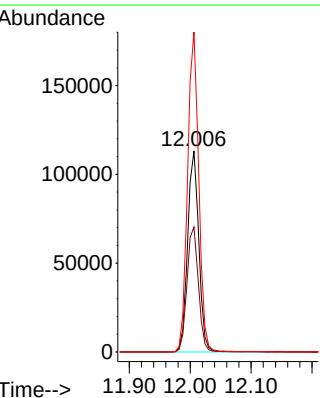
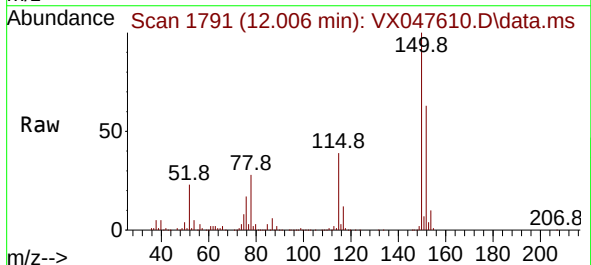
Tgt Ion:152 Resp: 143935

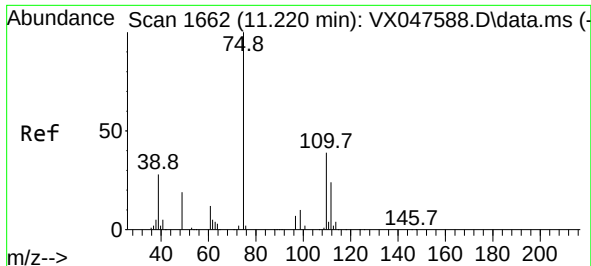
Ion Ratio Lower Upper

152 100

115 63.6 44.9 134.5

150 159.0 0.0 352.0

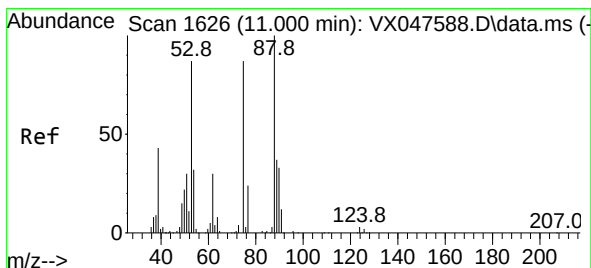
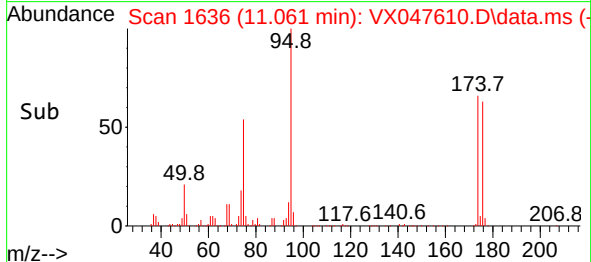
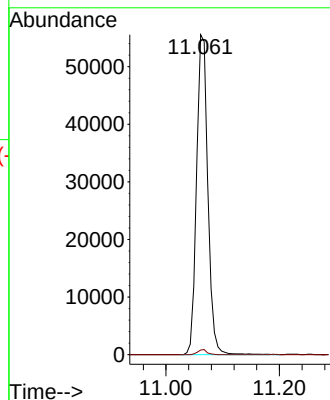
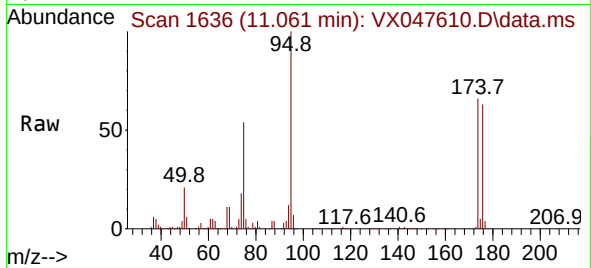




#76
1,2,3-Trichloropropane
Concen: 26.268 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

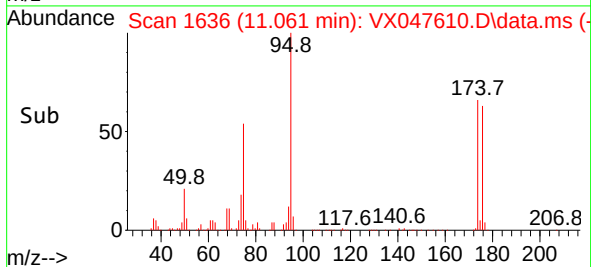
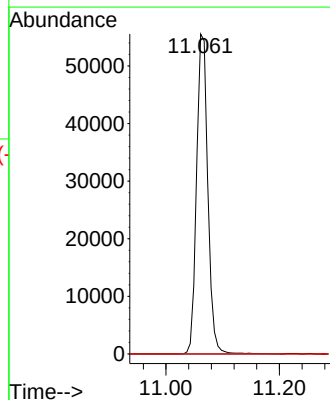
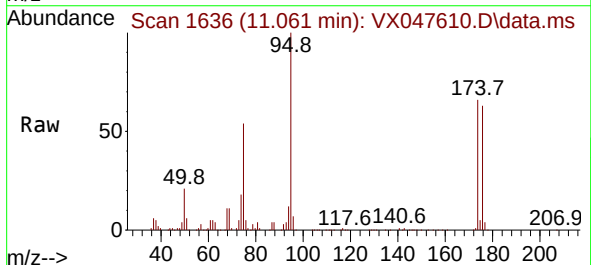
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

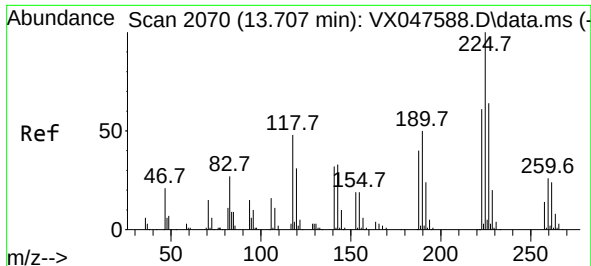
Tgt Ion: 75 Resp: 76552
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.988 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion: 75 Resp: 76552
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#94

Hexachlorobutadiene

Concen: 0.239 ug/l

RT: 13.701 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX047610.D

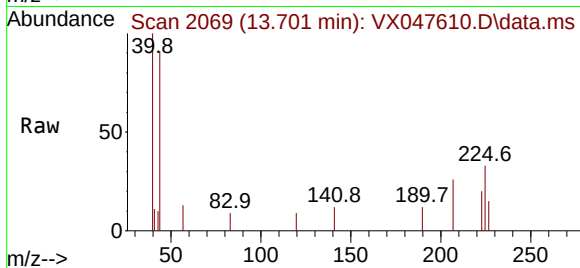
Acq: 17 Sep 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20250908



Tgt Ion:225 Resp: 252

Ion Ratio Lower Upper

225 100

223 32.9 31.7 95.1

227 44.4 32.0 96.0

