

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047616.D
 Acq On : 17 Sep 2025 14:27
 Operator : JC/MD
 Sample : Q3095-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20250909

Quant Time: Sep 18 02:04:51 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)

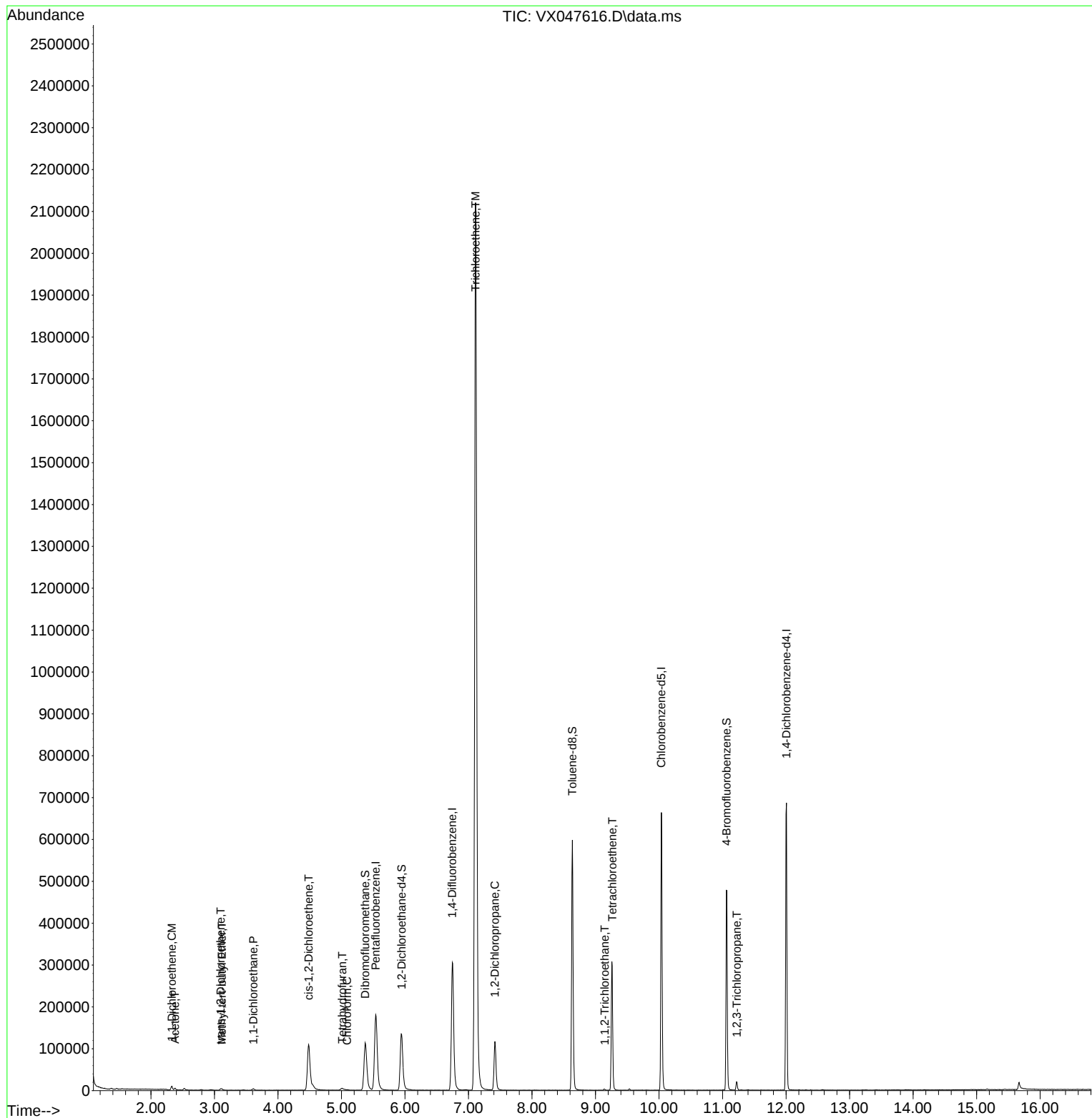
Internal Standards						
1) Pentafluorobenzene	5.538	168	179708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	333636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	295278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	149765	52.356	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.720%	
35) Dibromofluoromethane	5.373	113	108938	48.686	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.380%	
50) Toluene-d8	8.635	98	361127	46.643	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.280%	
62) 4-Bromofluorobenzene	11.061	95	141872	48.283	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.560%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.331	96	3509	1.643	ug/l	98
16) Acetone	2.380	43	5034	4.047	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	3025	0.388	ug/l #	88
21) trans-1,2-Dichloroethene	3.099	96	921	0.401	ug/l #	79
24) 1,1-Dichloroethane	3.611	63	4188	0.923	ug/l #	92
27) cis-1,2-Dichloroethene	4.483	96	75933	26.973	ug/l	91
29) Tetrahydrofuran	5.013	42	5234	5.608	ug/l #	88
30) Chloroform	5.086	83	1116	0.243	ug/l	90
44) Trichloroethene	7.111	130	877789	365.617	ug/l	97
45) 1,2-Dichloropropane	7.415	63	49410	19.431	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	744	0.315	ug/l #	68
64) Tetrachloroethene	9.263	164	59031	30.667	ug/l	97
76) 1,2,3-Trichloropropane	11.226	75	7457	2.552	ug/l	87

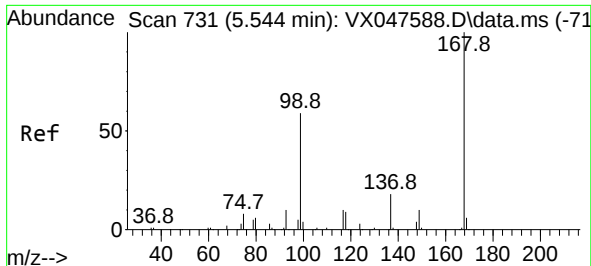
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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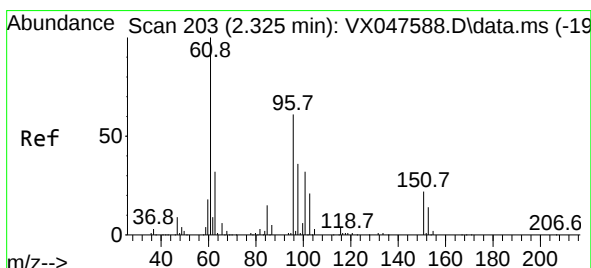
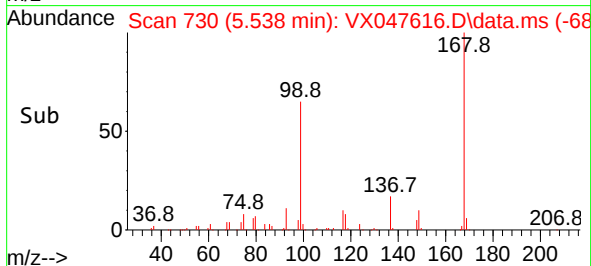
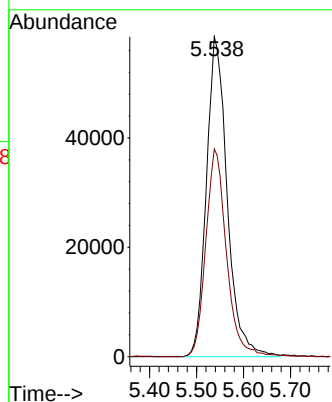
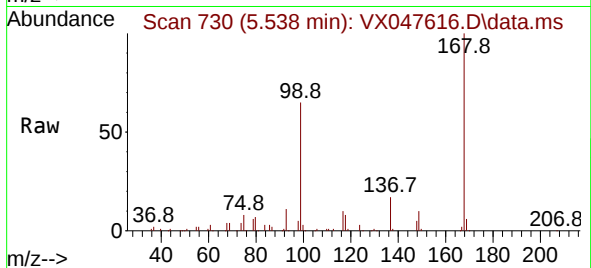




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

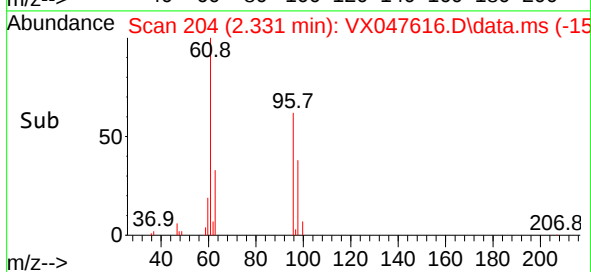
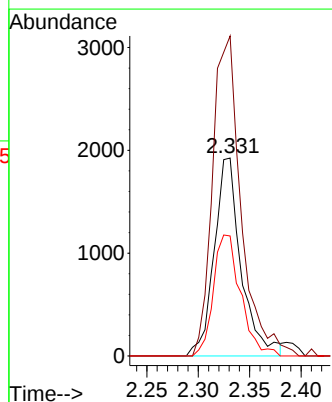
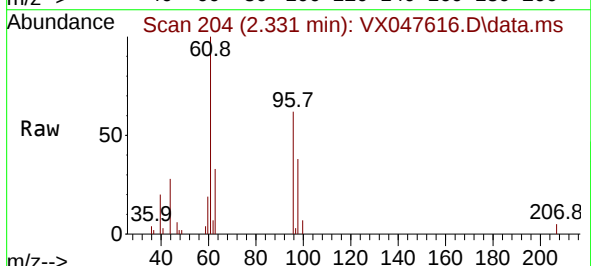
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909

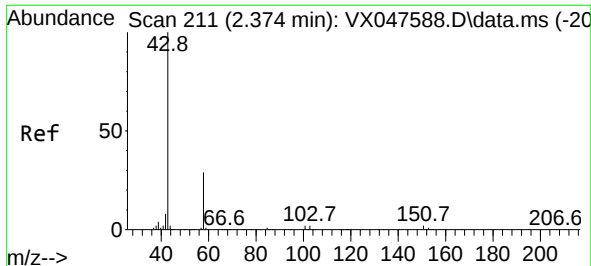
Tgt Ion:168 Resp: 179708
Ion Ratio Lower Upper
168 100
99 64.9 48.8 73.2



#12
1,1-Dichloroethene
Concen: 1.643 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 96 Resp: 3509
Ion Ratio Lower Upper
96 100
61 161.7 131.0 196.6
98 60.7 47.7 71.5

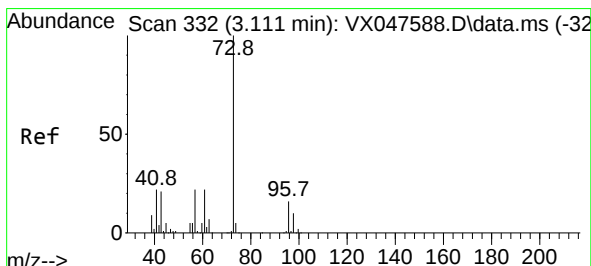
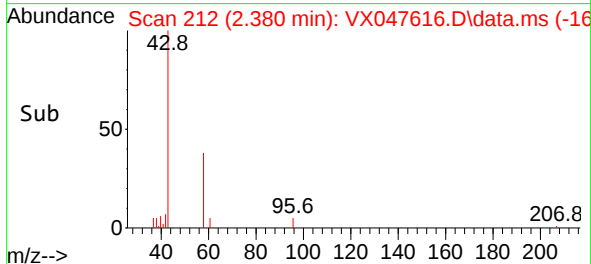
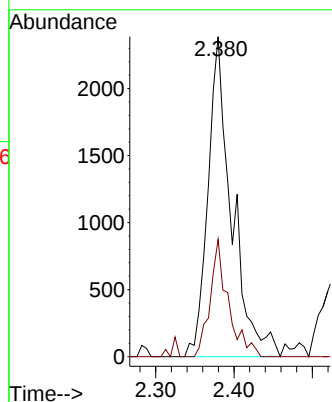
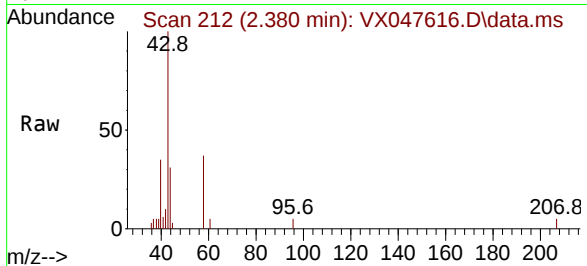




#16
Acetone
Concen: 4.047 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

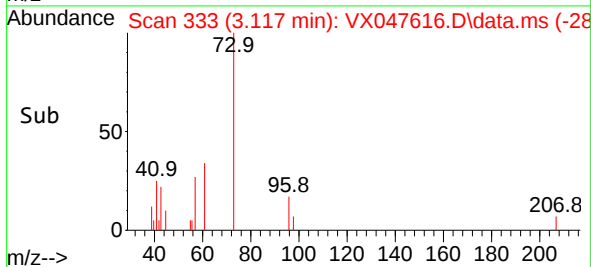
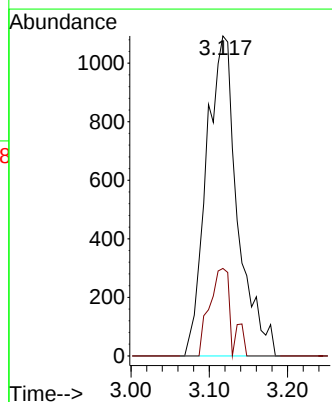
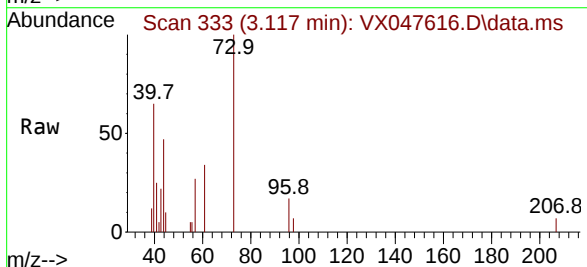
Instrument :
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ClientSampleId :
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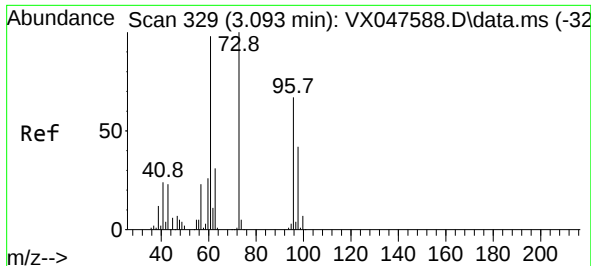
Tgt Ion: 43 Resp: 5034
Ion Ratio Lower Upper
43 100
58 36.7 23.4 35.0#



#19
Methyl tert-butyl Ether
Concen: 0.388 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 73 Resp: 3025
Ion Ratio Lower Upper
73 100
57 27.4 17.4 26.2#

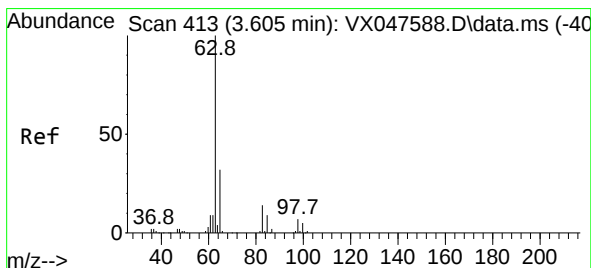
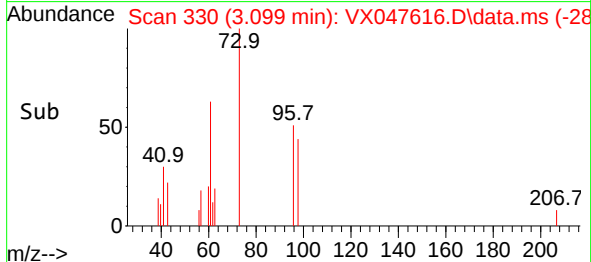
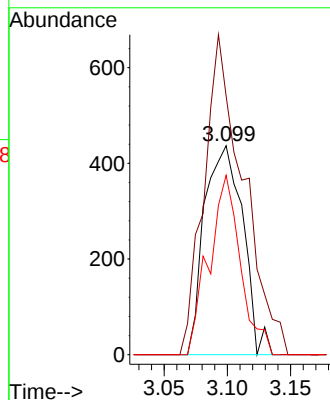
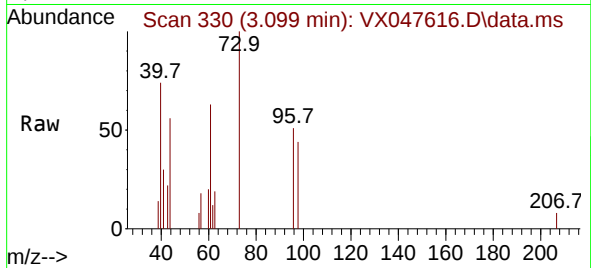




#21
 trans-1,2-Dichloroethene
 Concen: 0.401 ug/l
 RT: 3.099 min Scan# 311
 Delta R.T. 0.006 min
 Lab File: VX047616.D
 Acq: 17 Sep 2025 14:27

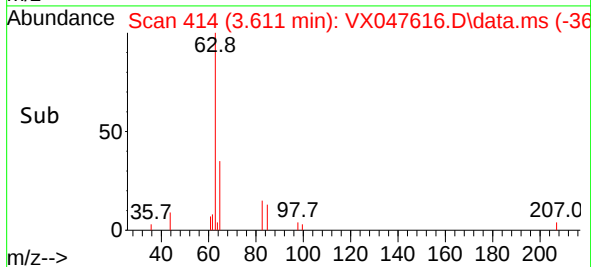
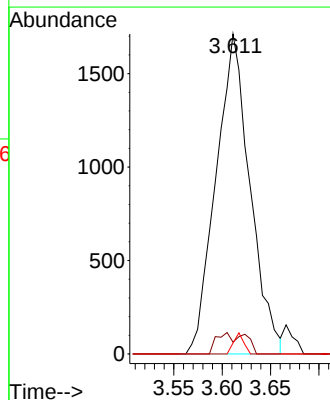
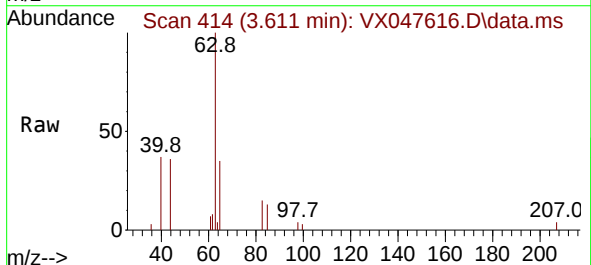
Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20250909

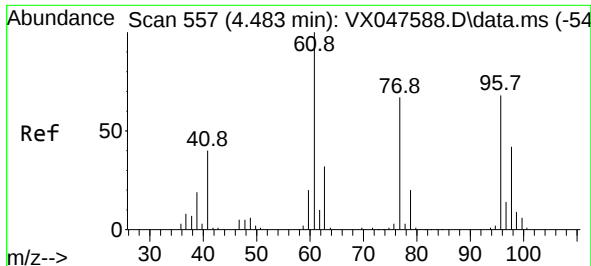
Tgt Ion: 96 Resp: 921
 Ion Ratio Lower Upper
 96 100
 61 123.8 116.2 174.2
 98 85.8 49.3 73.9#



#24
 1,1-Dichloroethane
 Concen: 0.923 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX047616.D
 Acq: 17 Sep 2025 14:27

Tgt Ion: 63 Resp: 4188
 Ion Ratio Lower Upper
 63 100
 98 3.7 3.8 11.2#
 100 3.4 2.3 6.9





#27

cis-1,2-Dichloroethene

Concen: 26.973 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX047616.D

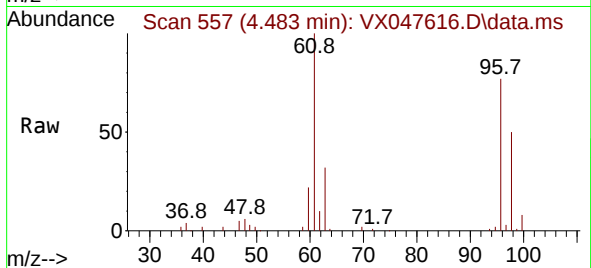
Acq: 17 Sep 2025 14:27

Instrument :

MSVOA_X

ClientSampleId :

MW17811-20250909



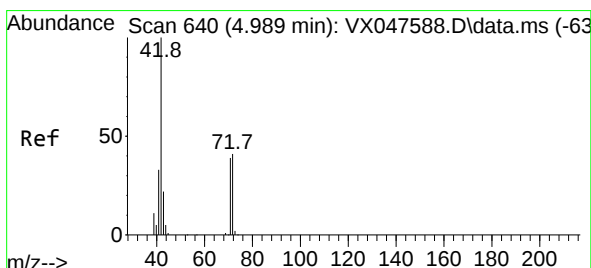
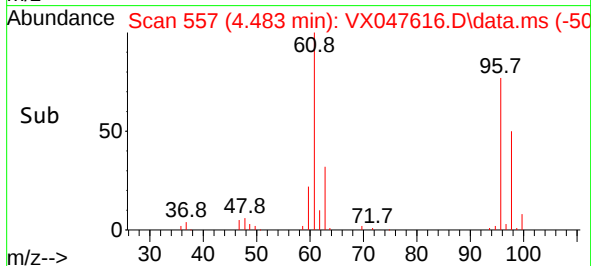
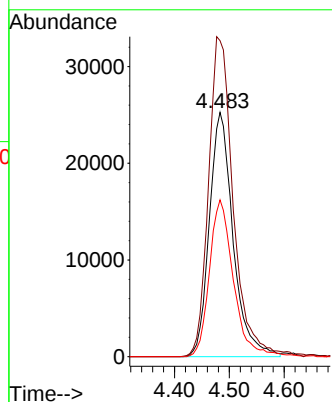
Tgt Ion: 96 Resp: 75933

Ion Ratio Lower Upper

96 100

61 136.6 0.0 303.2

98 64.9 0.0 127.8



#29

Tetrahydrofuran

Concen: 5.608 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX047616.D

Acq: 17 Sep 2025 14:27

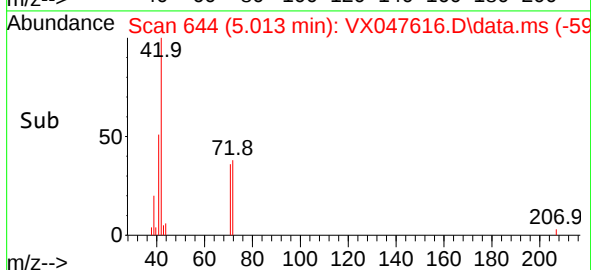
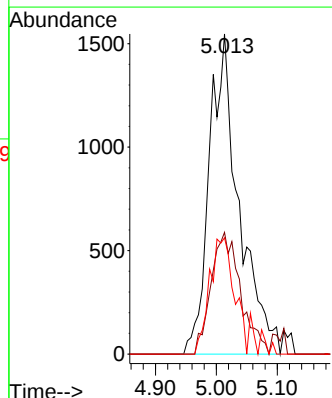
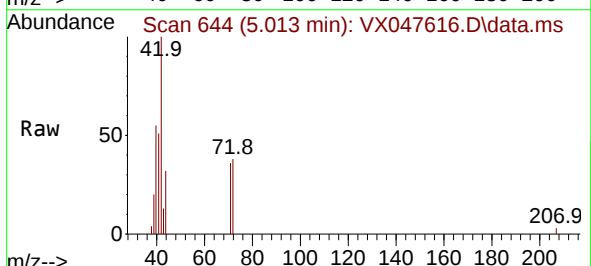
Tgt Ion: 42 Resp: 5234

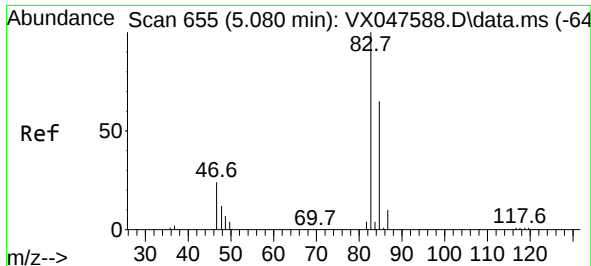
Ion Ratio Lower Upper

42 100

72 37.8 34.2 51.2

71 30.1 31.9 47.9#





#30

Chloroform

Concen: 0.243 ug/l

RT: 5.086 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX047616.D

Acq: 17 Sep 2025 14:27

Instrument :

MSVOA_X

ClientSampleId :

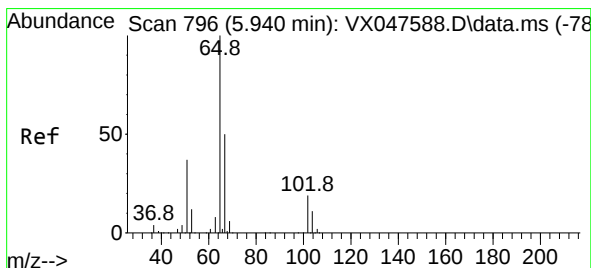
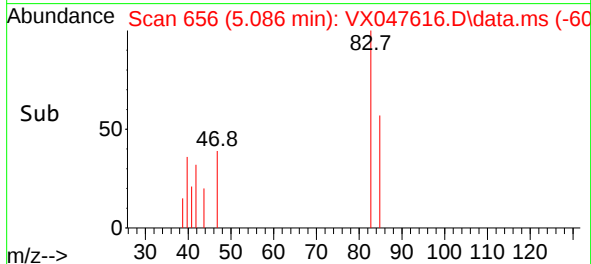
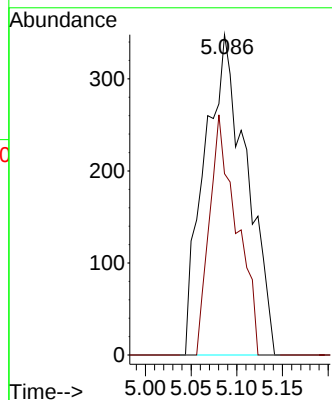
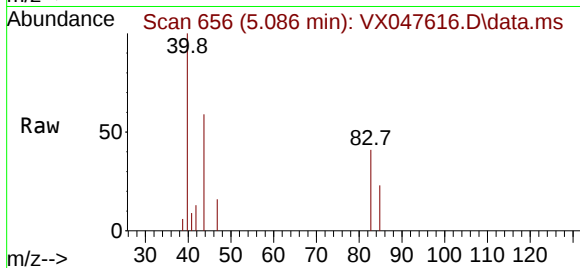
MW17811-20250909

Tgt Ion: 83 Resp: 1116

Ion Ratio Lower Upper

83 100

85 56.6 51.8 77.6



#33

1,2-Dichloroethane-d4

Concen: 52.356 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX047616.D

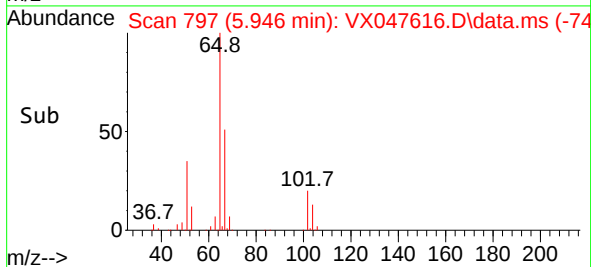
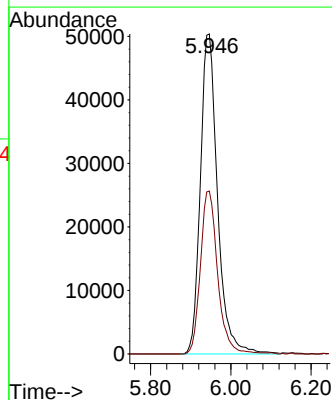
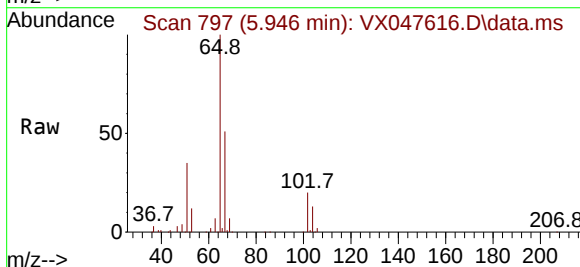
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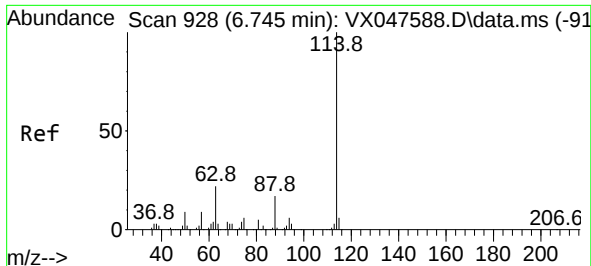
Tgt Ion: 65 Resp: 149765

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.0

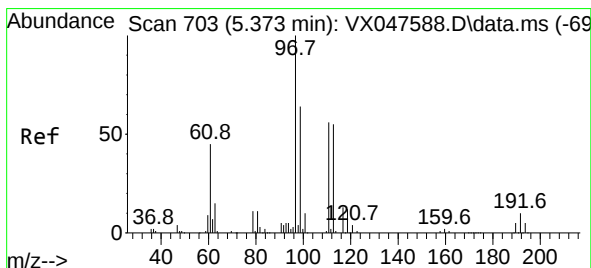
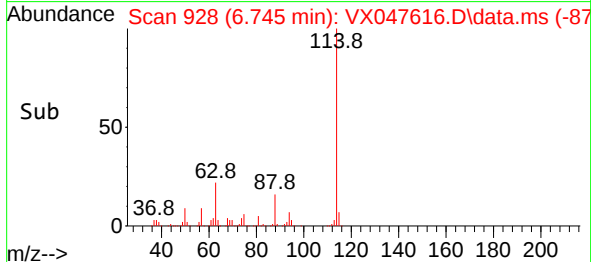
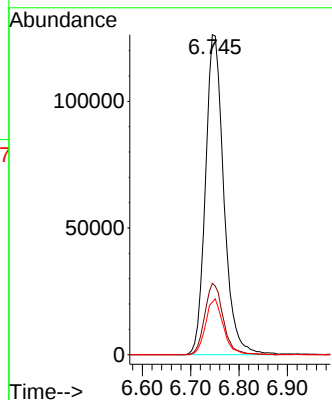
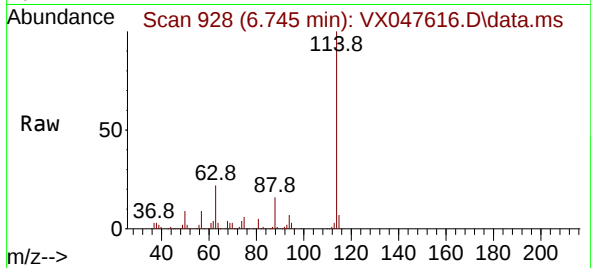




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

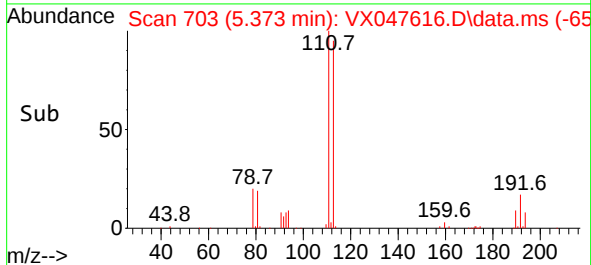
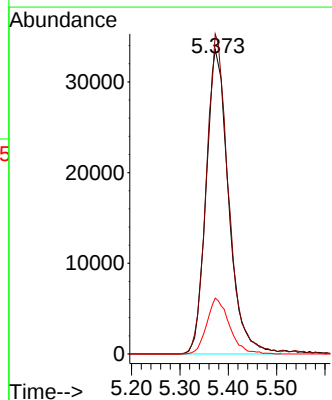
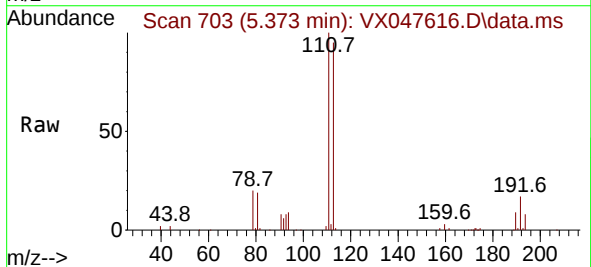
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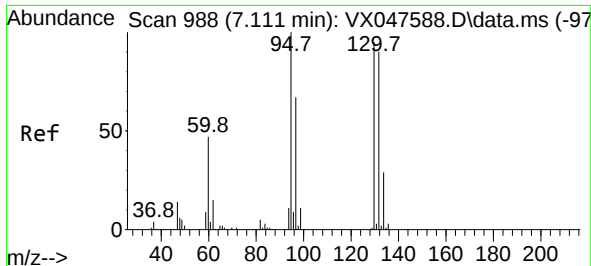
Tgt Ion:114 Resp: 333636
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.0
88 16.4 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.686 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion:113 Resp: 108938
Ion Ratio Lower Upper
113 100
111 102.4 80.9 121.3
192 18.3 14.2 21.4

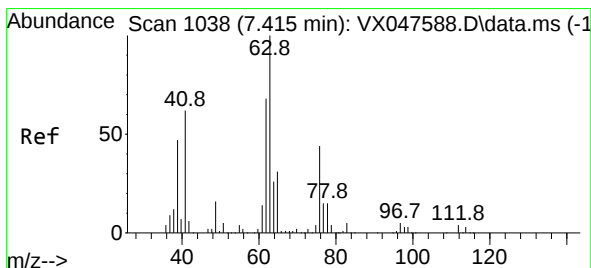
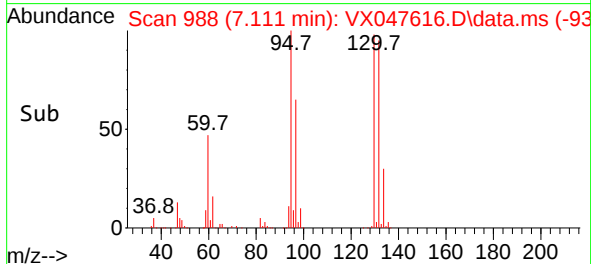
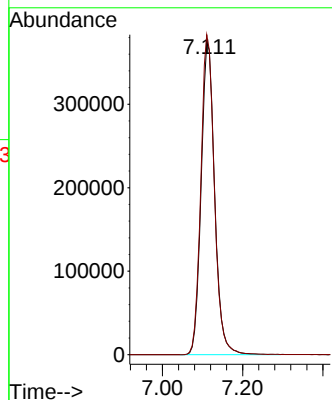
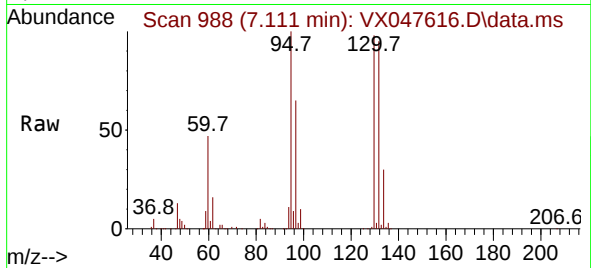




#44
Trichloroethene
Concen: 365.617 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

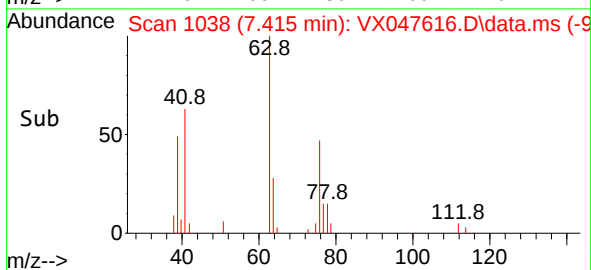
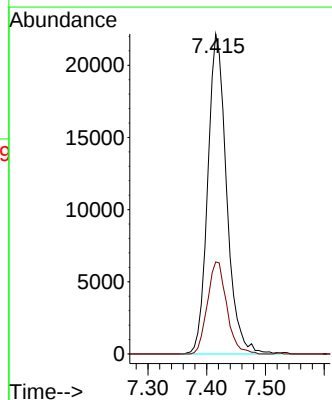
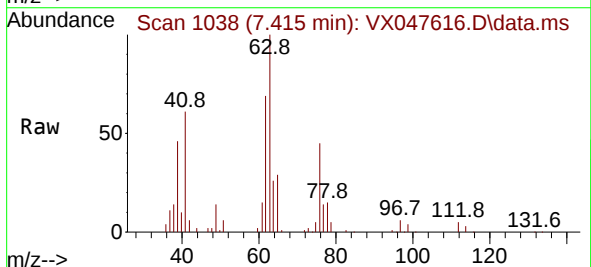
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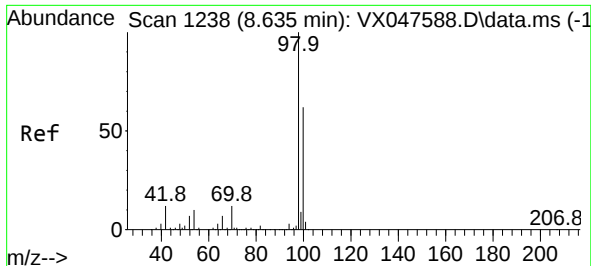
Tgt Ion:130 Resp: 877789
Ion Ratio Lower Upper
130 100
95 102.4 0.0 210.8



#45
1,2-Dichloropropane
Concen: 19.431 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 63 Resp: 49410
Ion Ratio Lower Upper
63 100
65 28.8 24.7 37.1

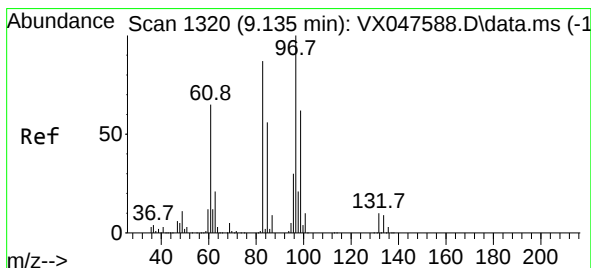
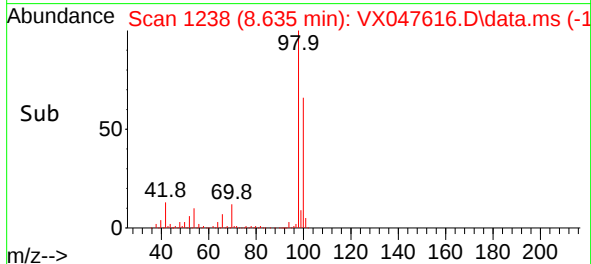
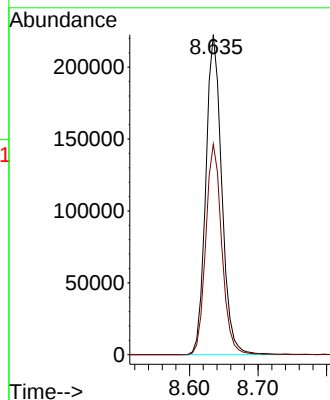
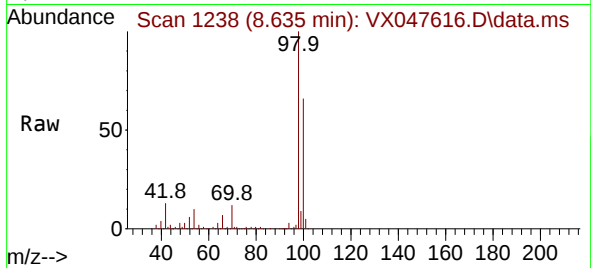




#50
Toluene-d8
Concen: 46.643 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

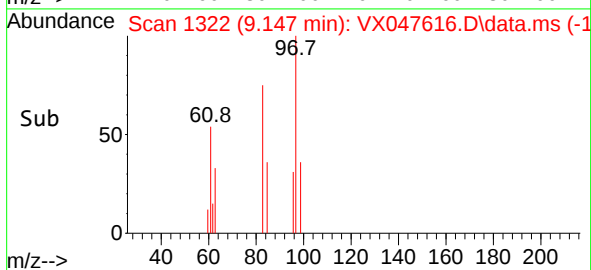
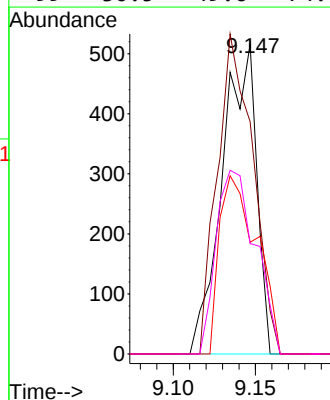
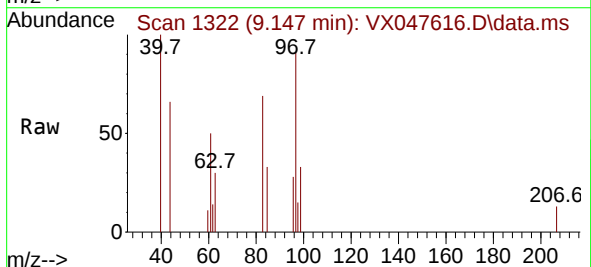
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909

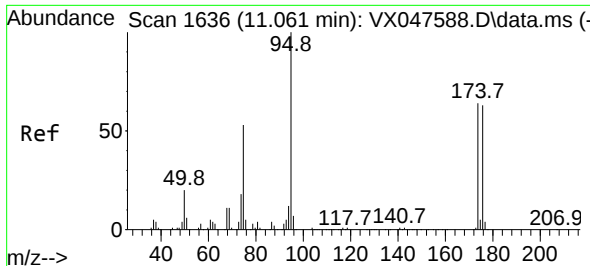
Tgt Ion: 98 Resp: 361127
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 0.315 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.012 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 97 Resp: 744
Ion Ratio Lower Upper
97 100
83 64.2 69.6 104.4#
85 30.8 45.0 67.6#
99 30.5 49.6 74.4#

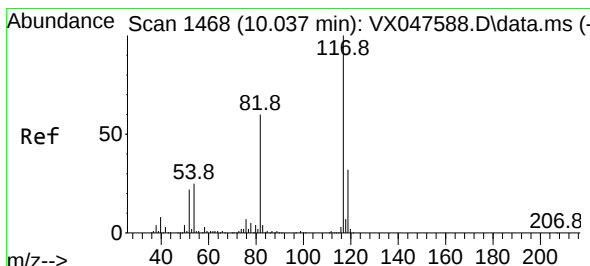
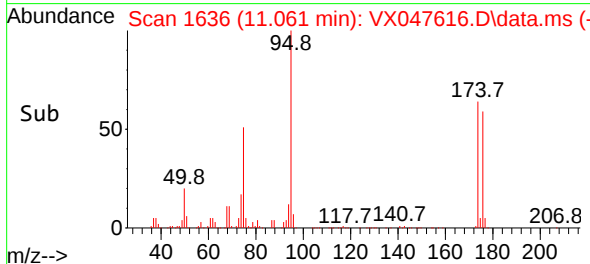
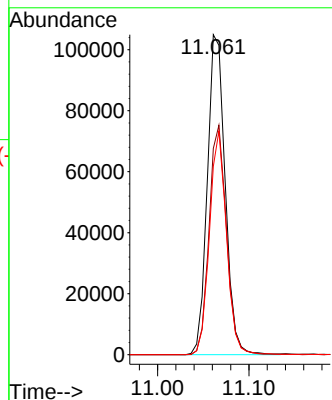
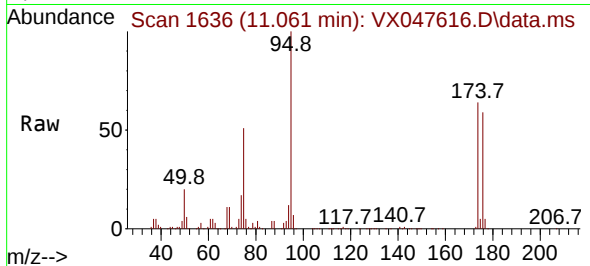




#62
4-Bromofluorobenzene
Concen: 48.283 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

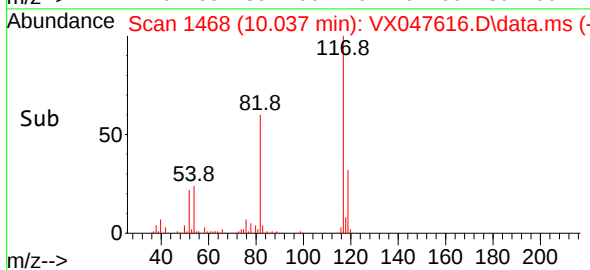
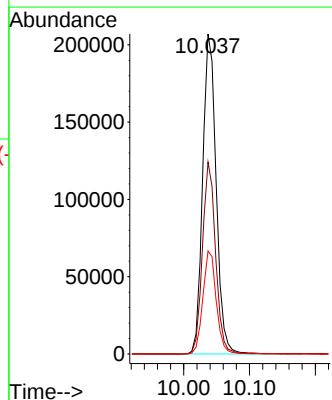
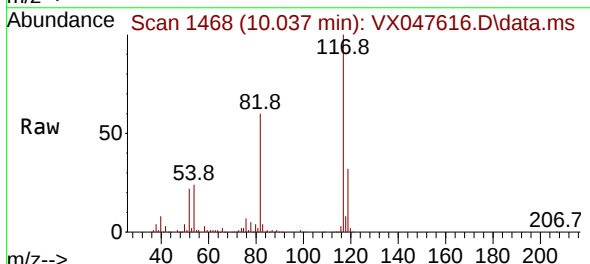
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909

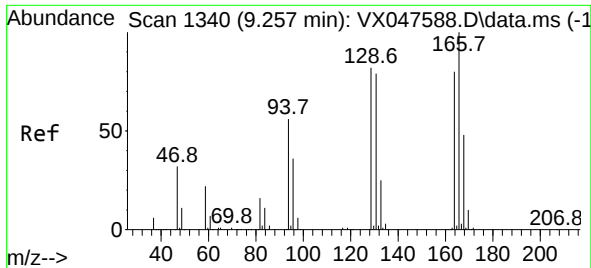
Tgt Ion: 95 Resp: 141872
Ion Ratio Lower Upper
95 100
174 70.3 0.0 141.6
176 66.6 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 117 Resp: 295278
Ion Ratio Lower Upper
117 100
82 60.0 47.8 71.6
119 32.2 25.2 37.8

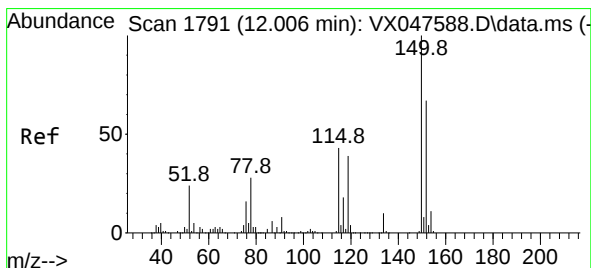
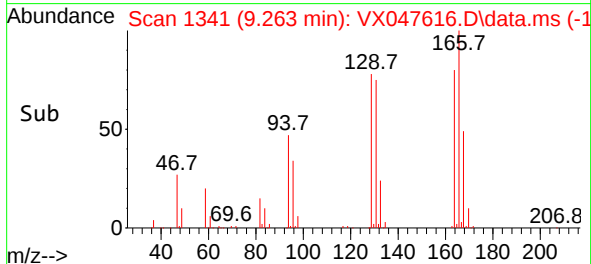
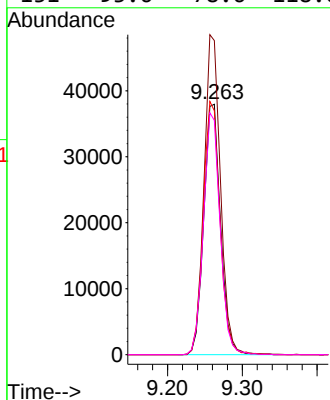
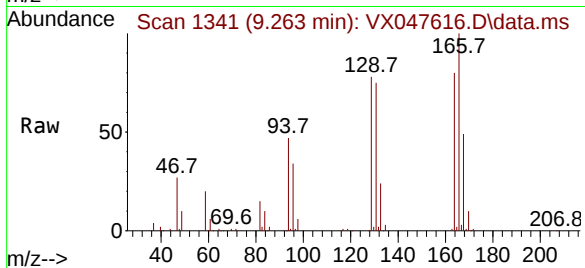




#64
Tetrachloroethene
Concen: 30.667 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

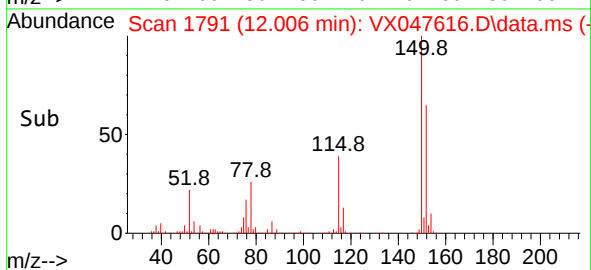
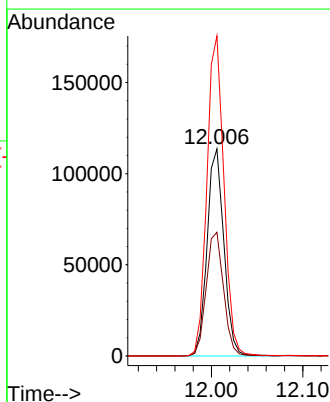
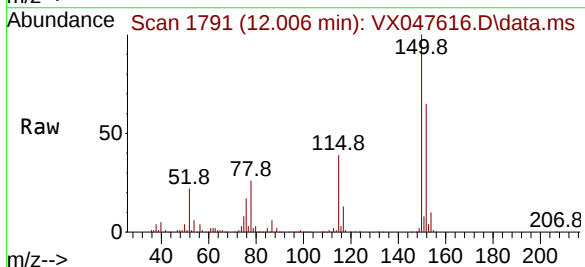
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20250909

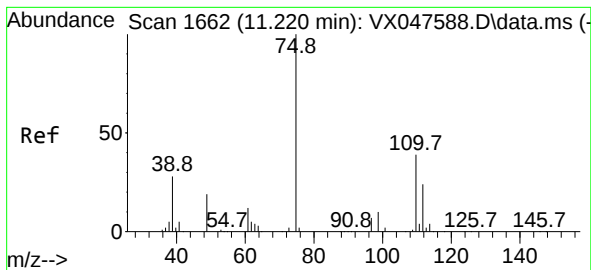
Tgt Ion:164 Resp: 59031
Ion Ratio Lower Upper
164 100
166 125.5 100.2 150.2
129 97.4 81.8 122.6
131 93.6 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion:152 Resp: 144330
Ion Ratio Lower Upper
152 100
115 61.8 44.9 134.5
150 156.6 0.0 352.0





#76
 1,2,3-Trichloropropane
 Concen: 2.552 ug/l
 RT: 11.226 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX047616.D
 Acq: 17 Sep 2025 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20250909

Tgt Ion: 75 Resp: 7457
 Ion Ratio Lower Upper
 75 100
 77 29.9 18.8 56.4

