

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047613.D
 Acq On : 17 Sep 2025 13:24
 Operator : JC/MD
 Sample : Q3095-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D1-20250909

Quant Time: Sep 22 03:06:20 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)

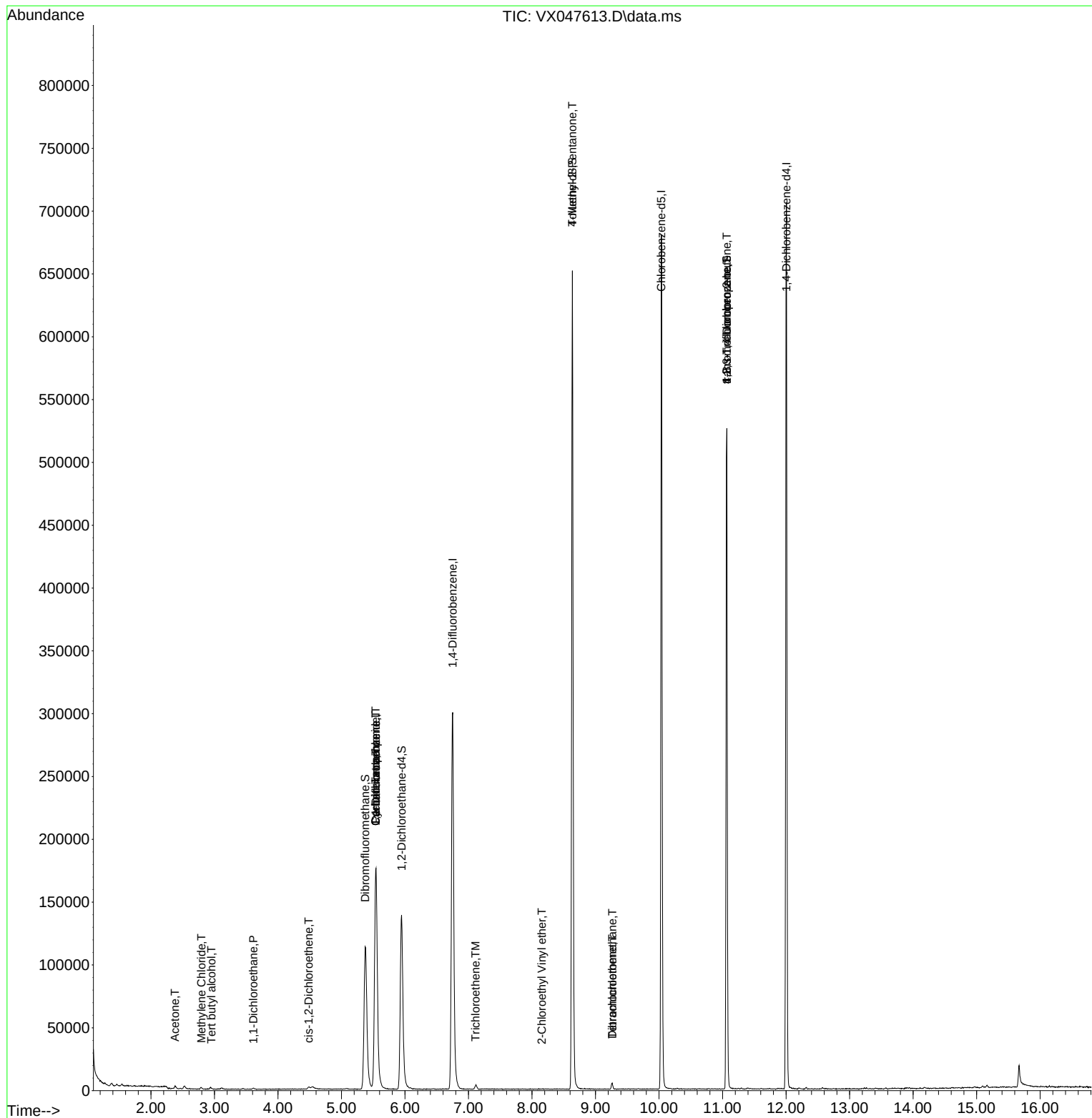
Internal Standards						
1) Pentafluorobenzene	5.543	168	179159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	326791	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	297810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	153137	53.699	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.400%	
35) Dibromofluoromethane	5.373	113	111971	51.090	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.180%	
50) Toluene-d8	8.634	98	392510	51.758	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.520%	
62) 4-Bromofluorobenzene	11.067	95	151652	52.692	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.380%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.952	59	701	2.207	ug/l #	72
16) Acetone	2.379	43	2828	2.281	ug/l	95
20) Methylene Chloride	2.794	84	658	0.251	ug/l #	65
24) 1,1-Dichloroethane	3.611	63	1130	0.250	ug/l #	81
27) cis-1,2-Dichloroethene	4.483	96	1236	0.440	ug/l #	5
31) Cyclohexane	5.537	56	4091	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	15530	4.849	ug/l #	50
38) Carbon Tetrachloride	5.537	117	18421	5.294	ug/l #	17
44) Trichloroethene	7.110	130	1382	0.588	ug/l	76
51) 4-Methyl-2-Pentanone	8.634	43	2000	0.641	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.153	63	157	7.983	ug/l #	47
60) Dibromochloromethane	9.262	129	1073	0.403	ug/l #	11
64) Tetrachloroethene	9.262	164	968	0.499	ug/l	93
76) 1,2,3-Trichloropropane	11.067	75	78962	26.901	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	78962	68.602	ug/l #	8

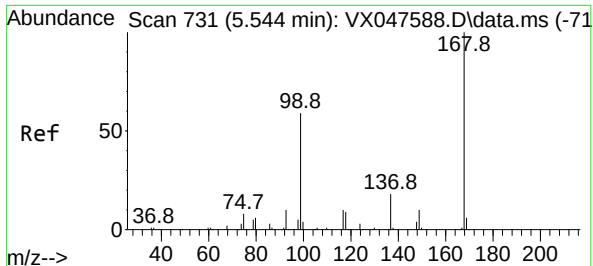
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 22 03:06:20 2025
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QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

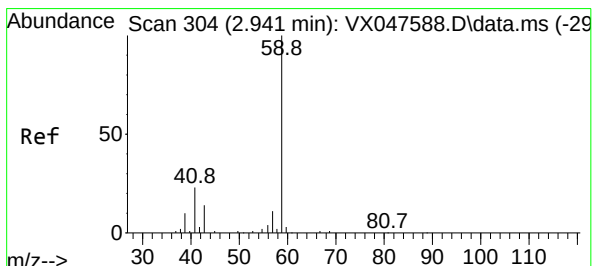
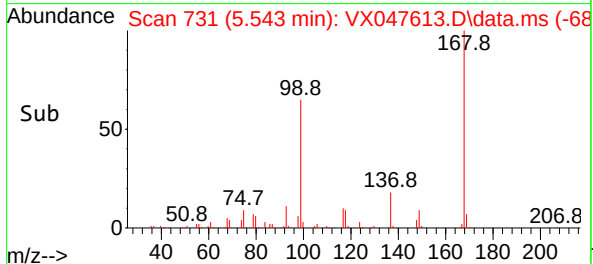
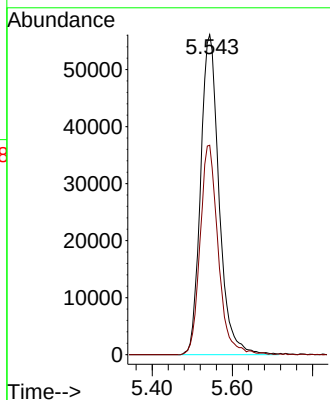
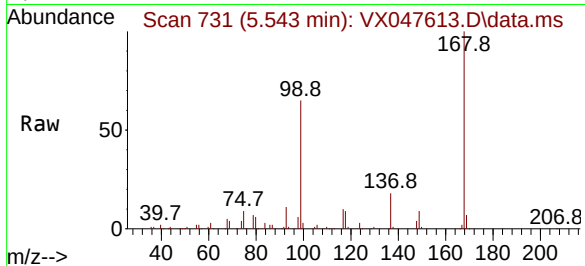




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

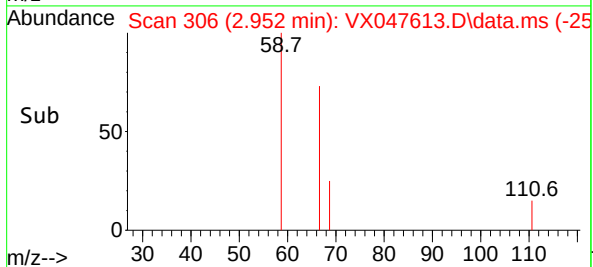
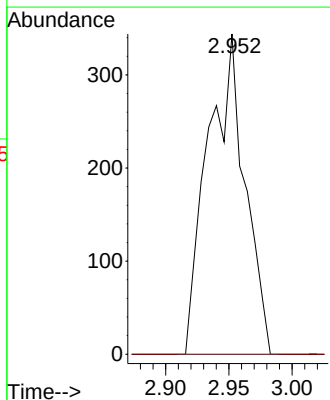
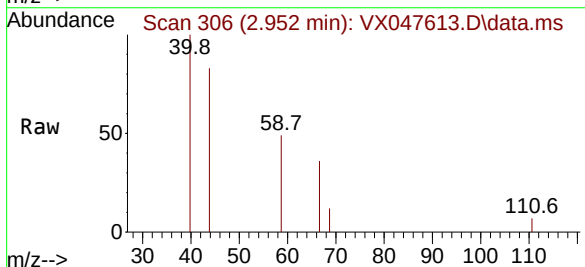
Instrument :
MSVOA_X
ClientSampleId :
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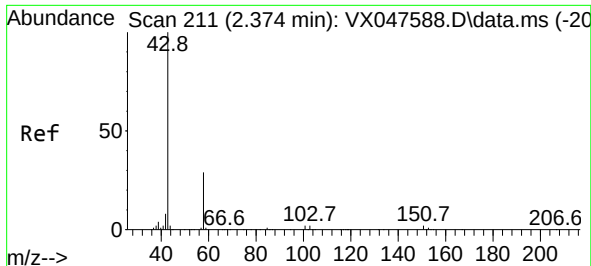
Tgt Ion:168 Resp: 179159
Ion Ratio Lower Upper
168 100
99 65.4 48.8 73.2



#11
Tert butyl alcohol
Concen: 2.207 ug/l
RT: 2.952 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion: 59 Resp: 701
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

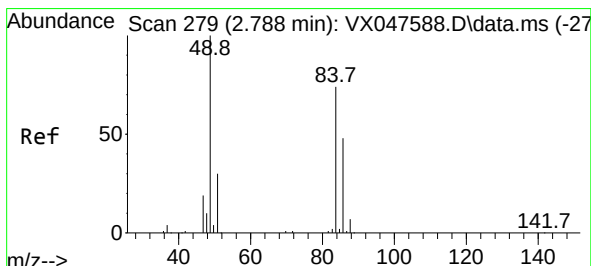
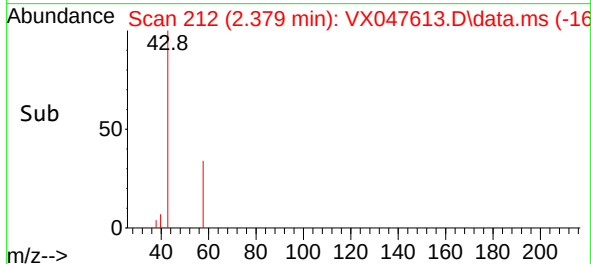
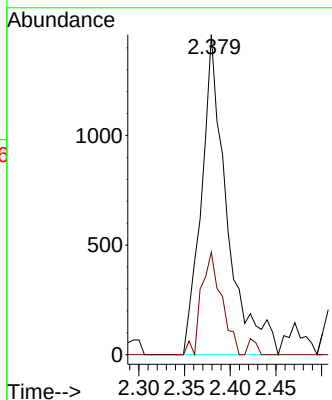
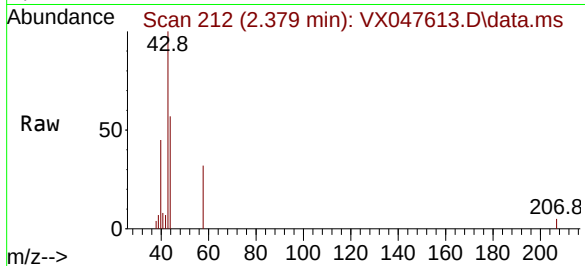




#16
Acetone
Concen: 2.281 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

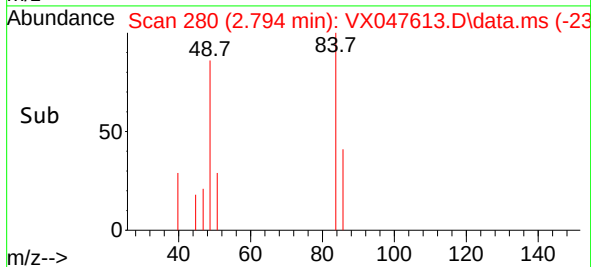
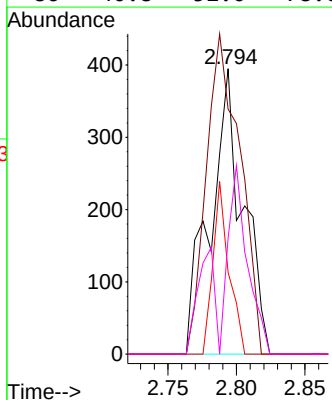
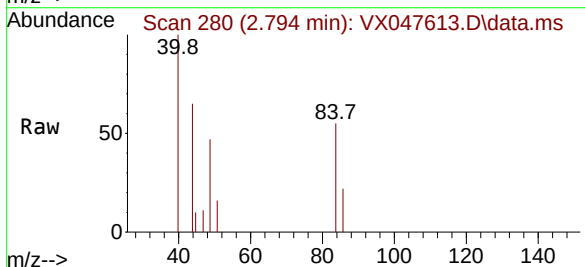
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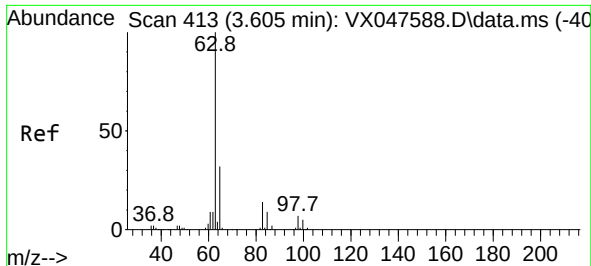
Tgt Ion: 43 Resp: 2828
Ion Ratio Lower Upper
43 100
58 32.1 23.4 35.0



#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion: 84 Resp: 658
Ion Ratio Lower Upper
84 100
49 85.8 108.6 162.8#
51 28.6 32.6 48.8#
86 40.8 52.0 78.0#

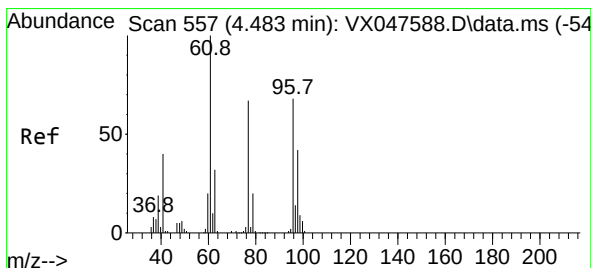
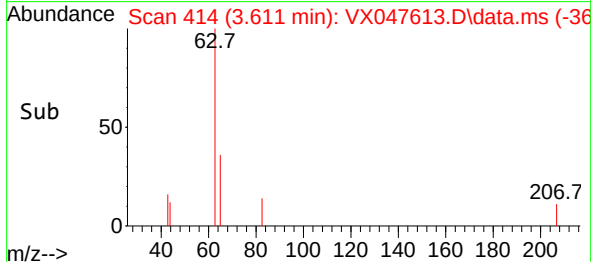
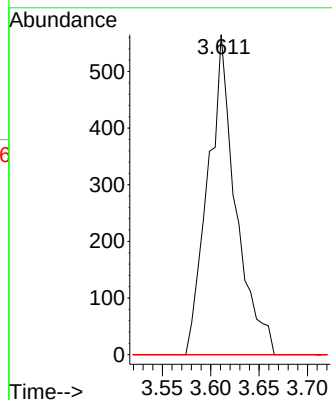
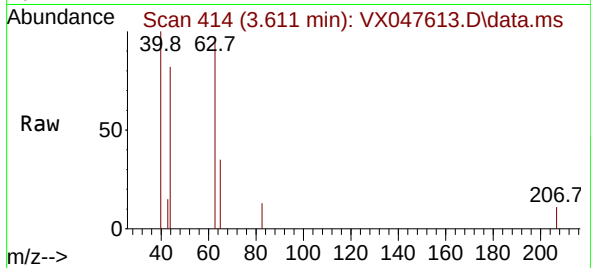




#24
1,1-Dichloroethane
Concen: 0.250 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

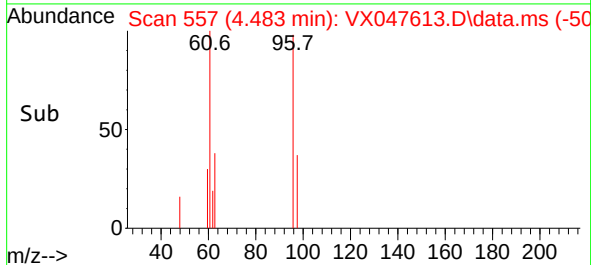
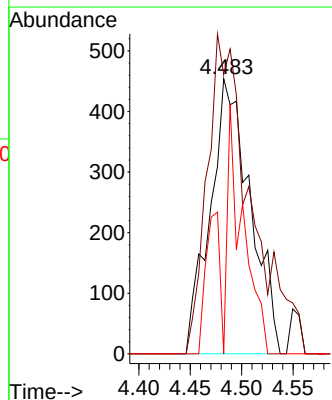
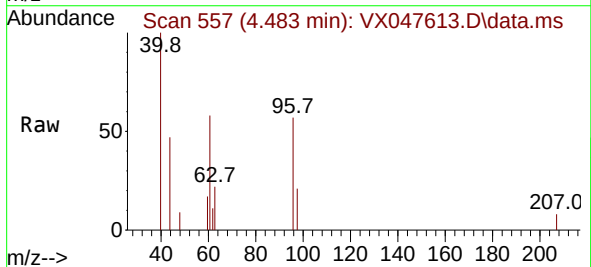
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

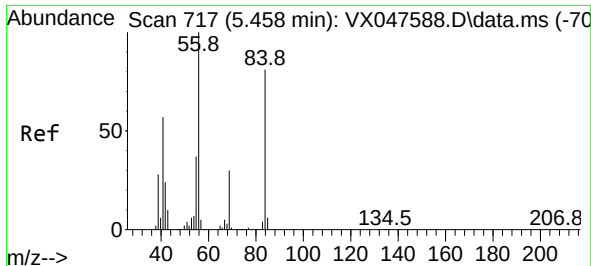
Tgt Ion: 63 Resp: 1130
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 0.440 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion: 96 Resp: 1236
Ion Ratio Lower Upper
96 100
61 0.0 0.0 303.2
98 34.5 0.0 127.8

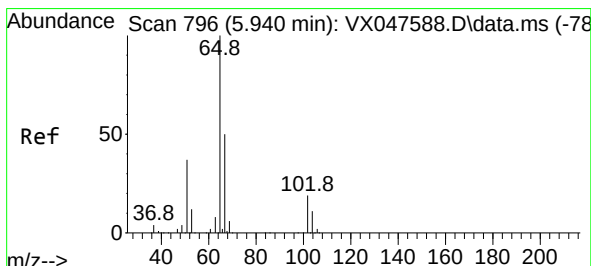
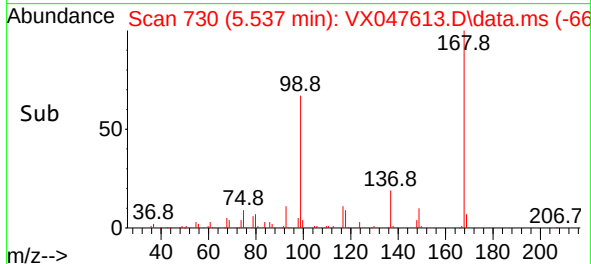
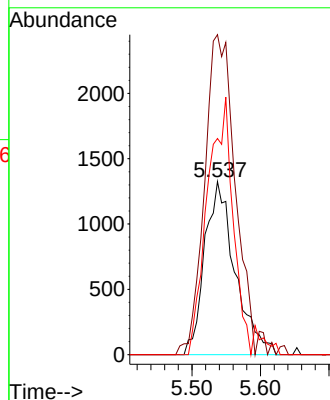
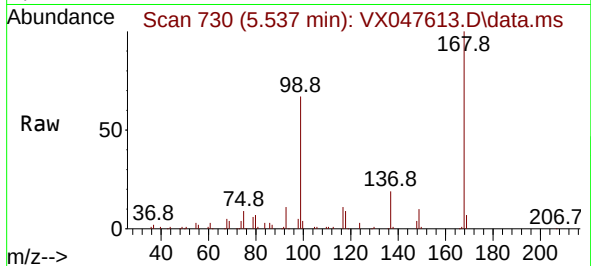




#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

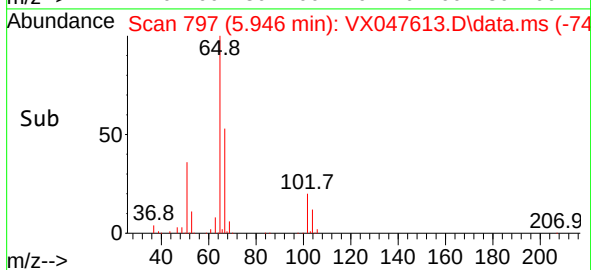
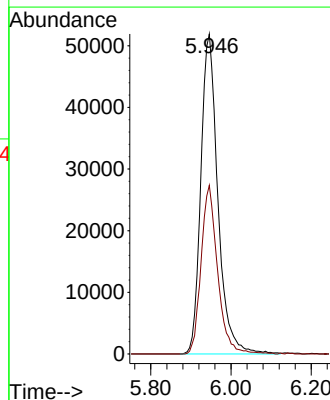
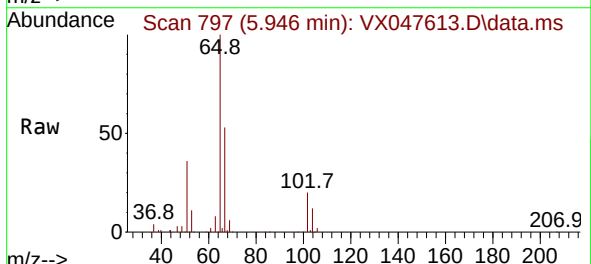
Instrument :
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ClientSampleId :
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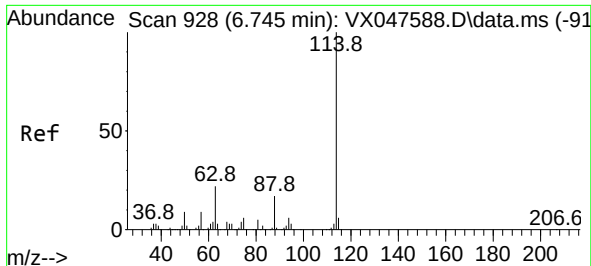
Tgt Ion: 56 Resp: 4091
Ion Ratio Lower Upper
56 100
69 180.5 23.8 35.8#
84 124.9 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 53.699 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion: 65 Resp: 153137
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0

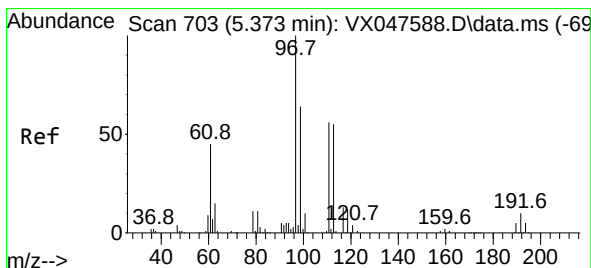
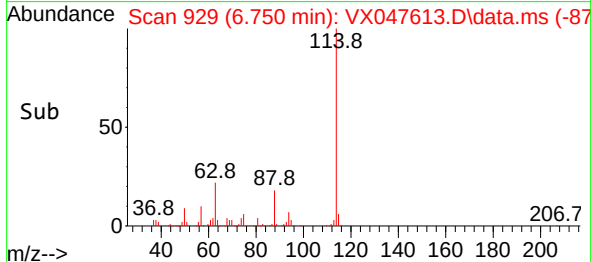
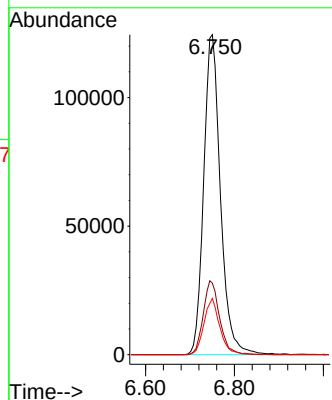
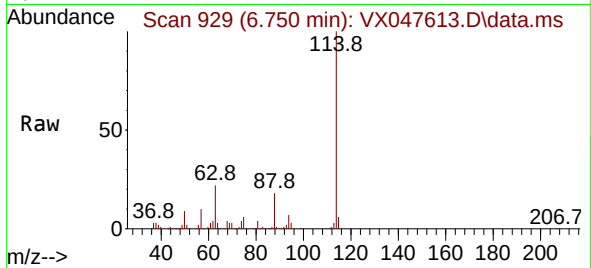




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

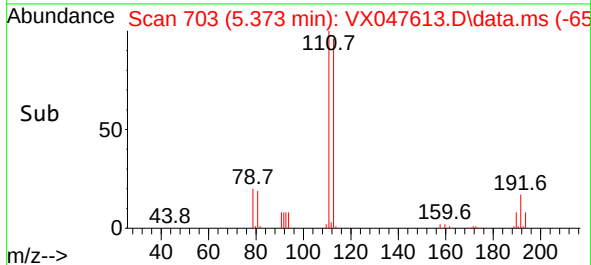
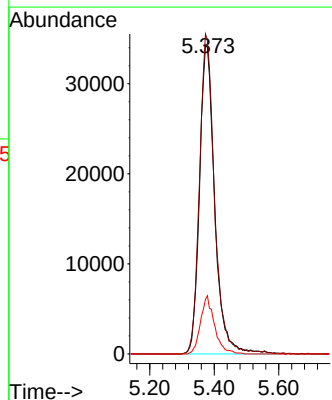
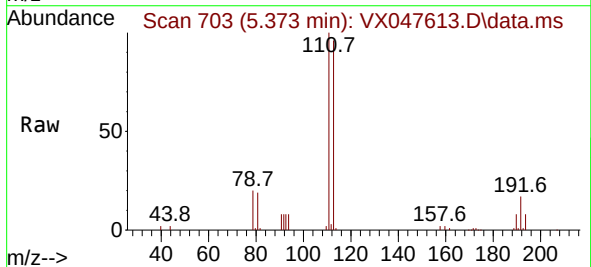
Instrument :
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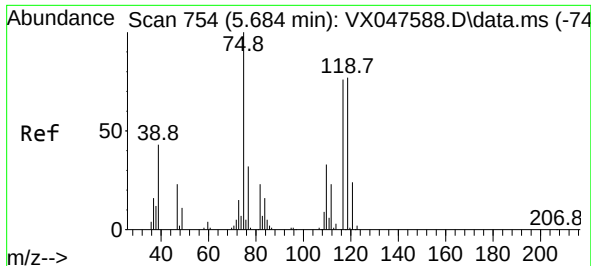
Tgt Ion:114 Resp: 326791
Ion Ratio Lower Upper
114 100
63 22.4 0.0 44.0
88 17.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.090 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion:113 Resp: 111971
Ion Ratio Lower Upper
113 100
111 101.9 80.9 121.3
192 17.3 14.2 21.4

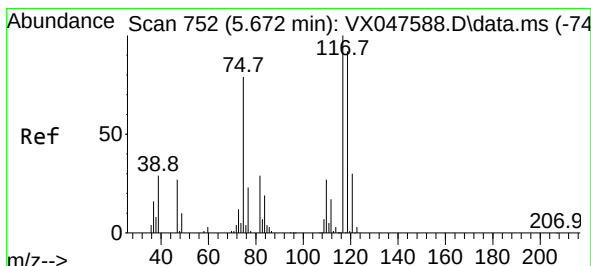
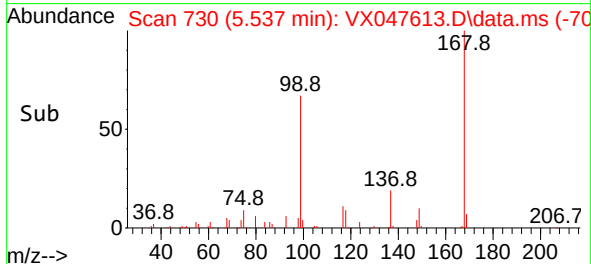
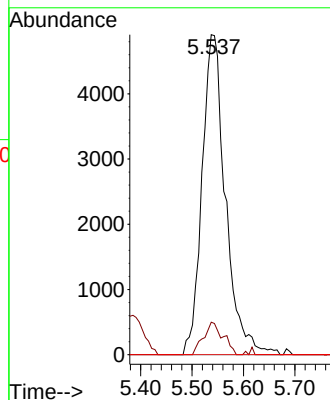
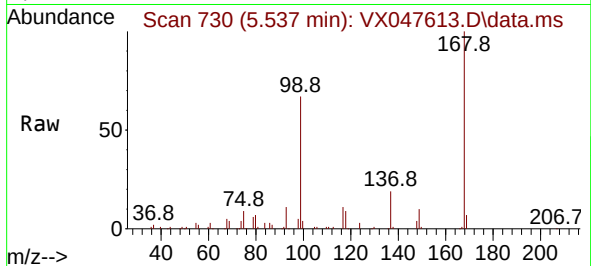




#36
1,1-Dichloropropene
Concen: 4.849 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

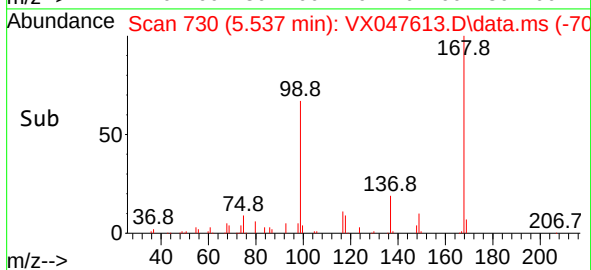
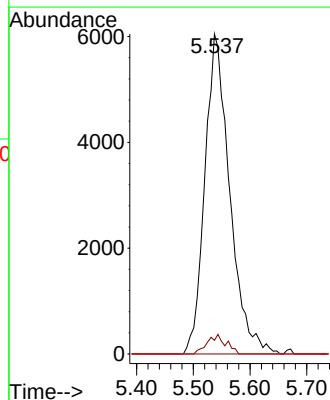
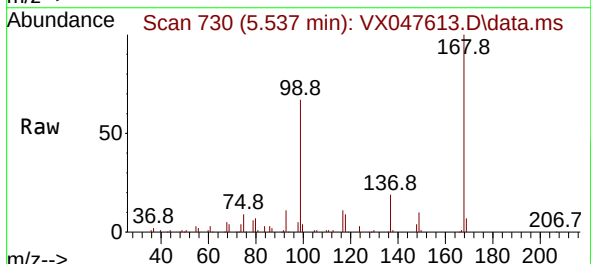
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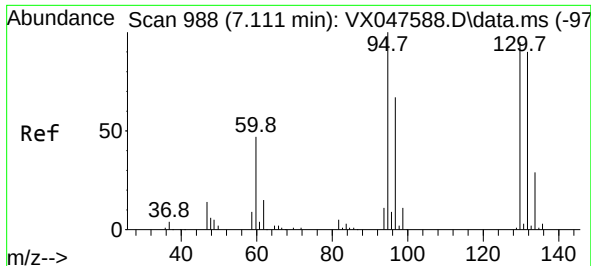
Tgt Ion: 75 Resp: 15530
Ion Ratio Lower Upper
75 100
110 8.5 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.294 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.135 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion: 117 Resp: 18421
Ion Ratio Lower Upper
117 100
119 4.3 73.4 110.2#
121 0.0 23.8 35.6#

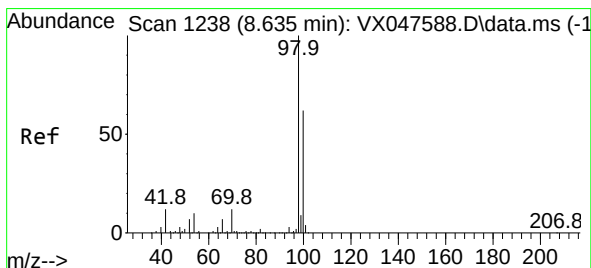
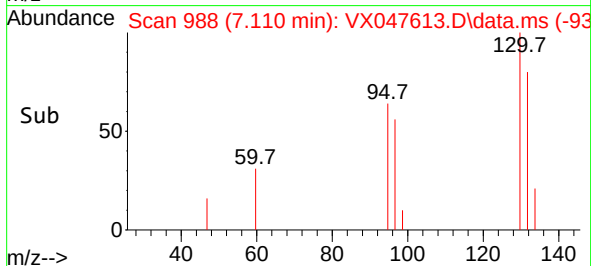
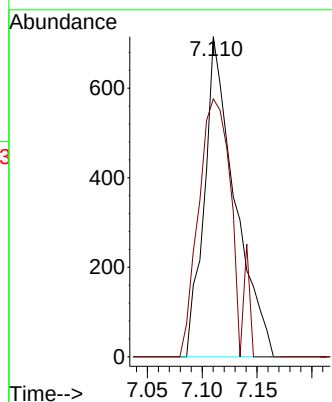
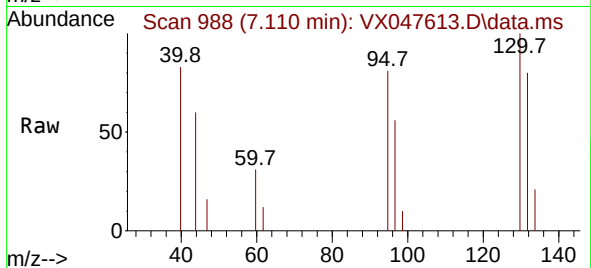




#44
Trichloroethene
Concen: 0.588 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

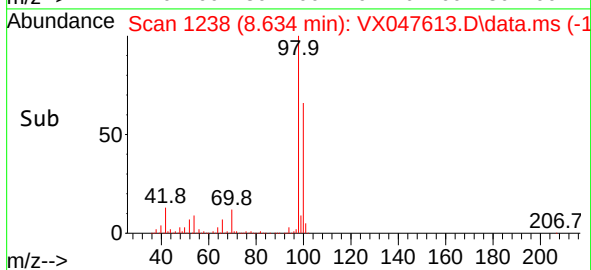
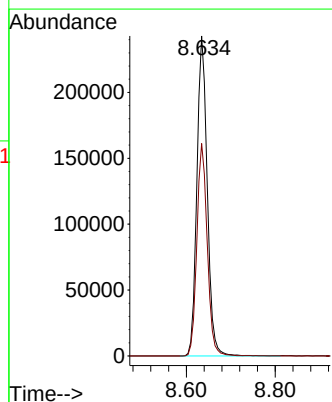
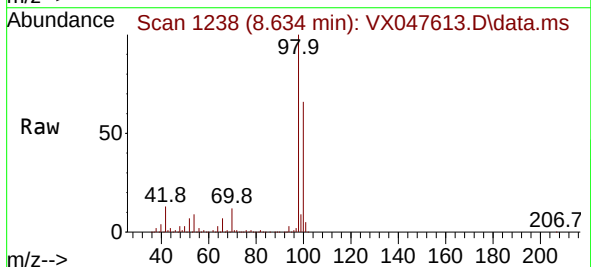
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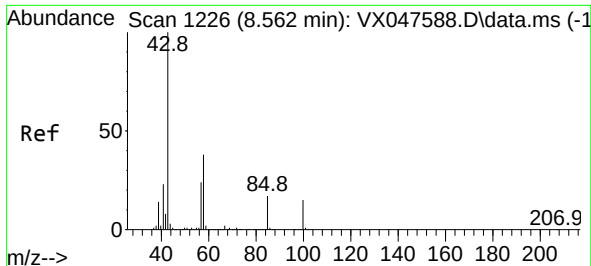
Tgt Ion:130 Resp: 1382
Ion Ratio Lower Upper
130 100
95 80.6 0.0 210.8



#50
Toluene-d8
Concen: 51.758 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion: 98 Resp: 392510
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4

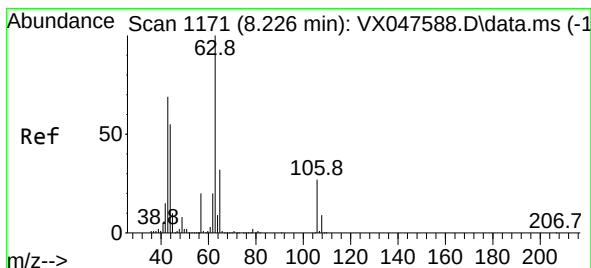
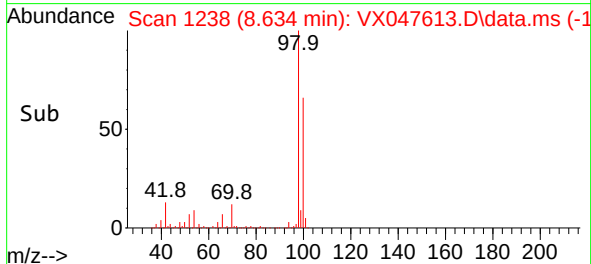
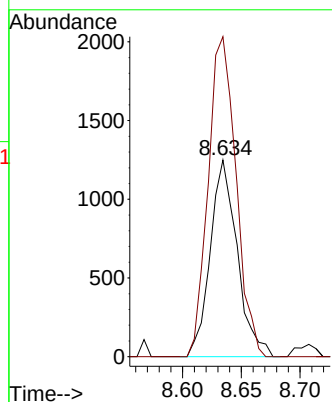
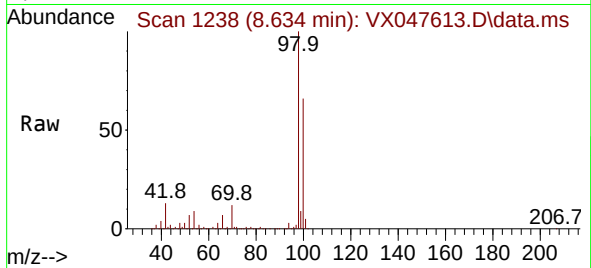




#51
4-Methyl-2-Pentanone
Concen: 0.641 ug/l
RT: 8.634 min Scan# 1159
Delta R.T. 0.073 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

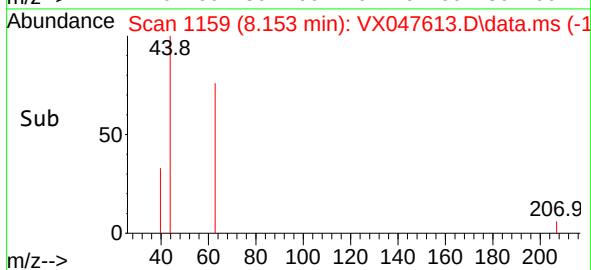
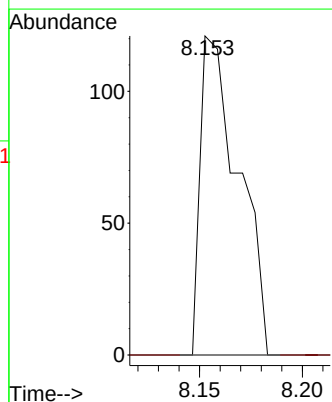
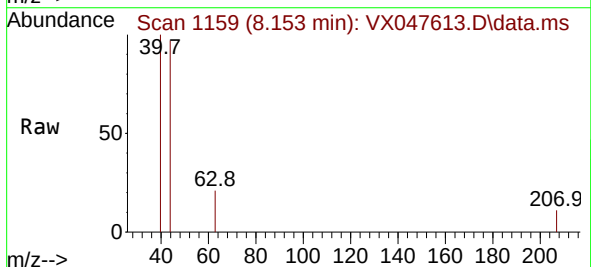
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

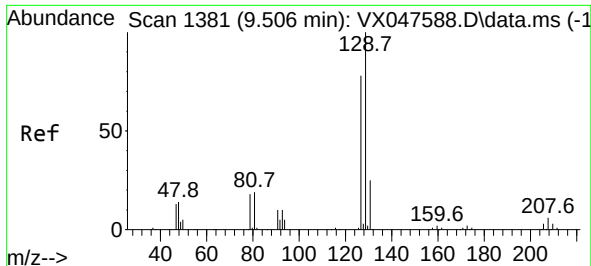
Tgt Ion: 43 Resp: 2000
Ion Ratio Lower Upper
43 100
58 167.8 30.3 45.5#



#58
2-Chloroethyl Vinyl ether
Concen: 7.983 ug/l
RT: 8.153 min Scan# 1159
Delta R.T. -0.073 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion: 63 Resp: 157
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#

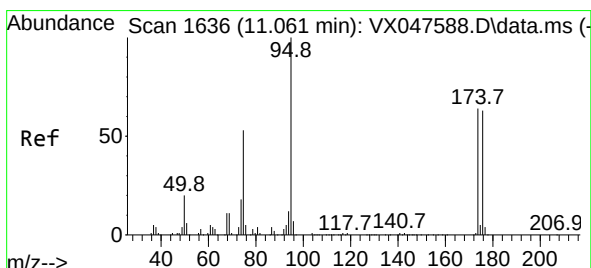
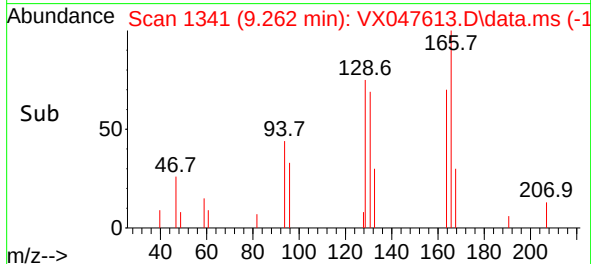
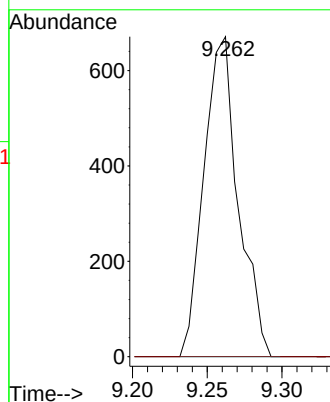
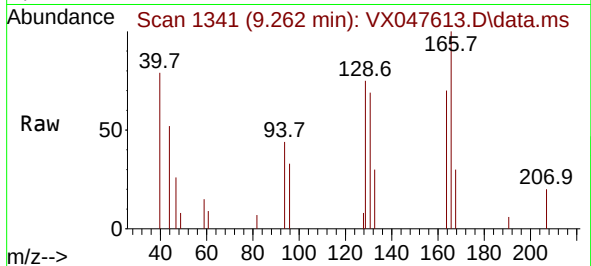




#60
Dibromochloromethane
Concen: 0.403 ug/l
RT: 9.262 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

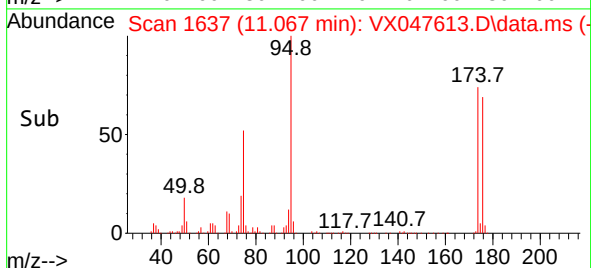
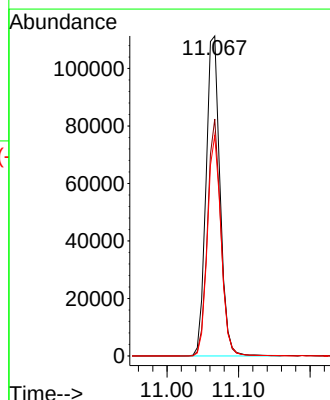
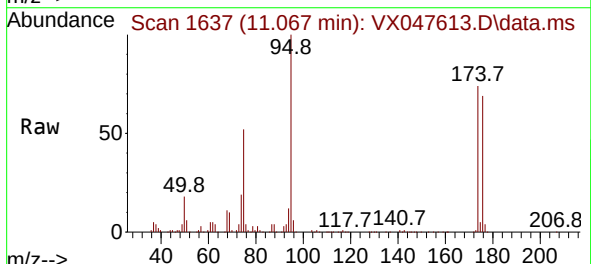
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

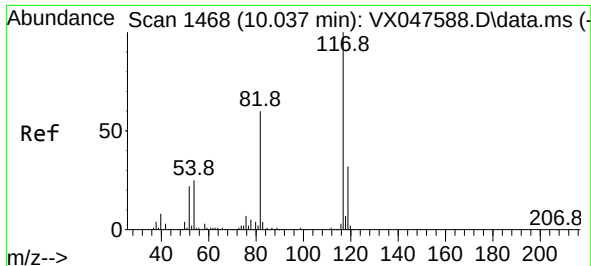
Tgt Ion:129 Resp: 1073
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 52.692 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion: 95 Resp: 151652
Ion Ratio Lower Upper
95 100
174 70.7 0.0 141.6
176 67.2 0.0 138.4

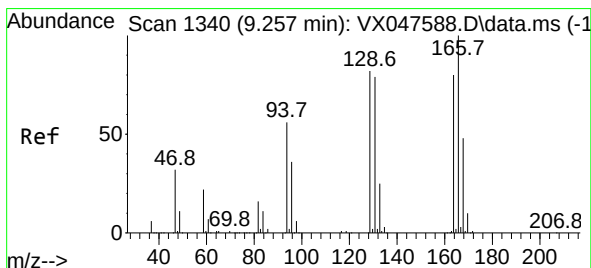
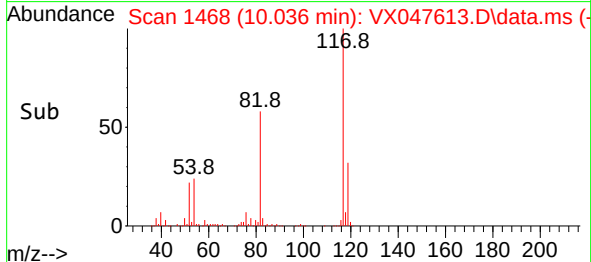
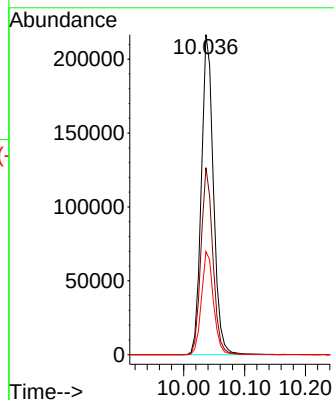
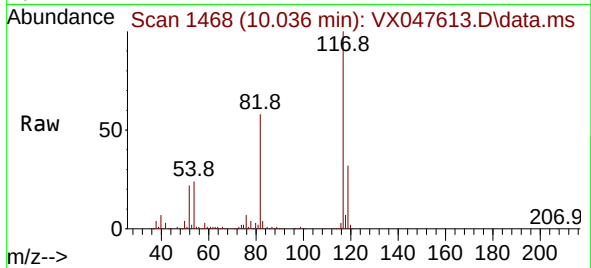




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

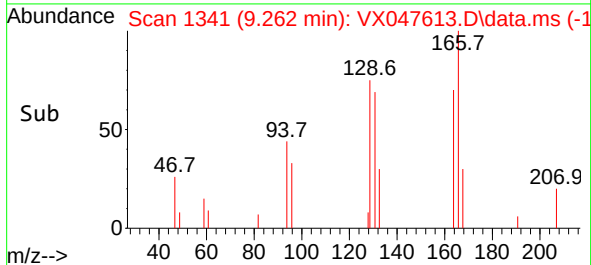
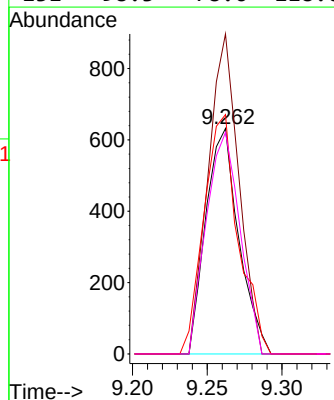
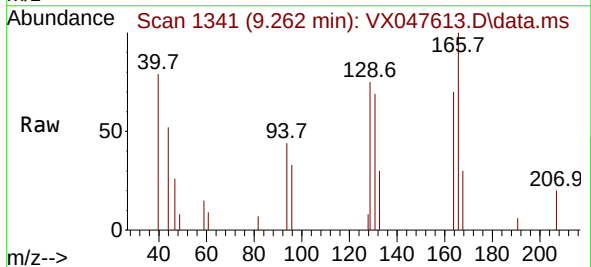
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

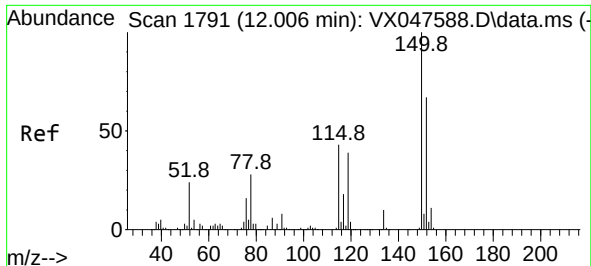
Tgt Ion:117 Resp: 297810
Ion Ratio Lower Upper
117 100
82 58.4 47.8 71.6
119 32.2 25.2 37.8



#64
Tetrachloroethene
Concen: 0.499 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion:164 Resp: 968
Ion Ratio Lower Upper
164 100
166 141.9 100.2 150.2
129 106.2 81.8 122.6
131 98.3 78.6 118.0

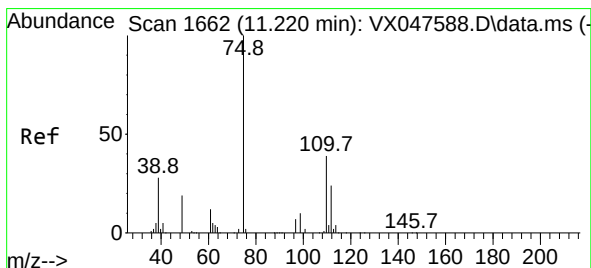
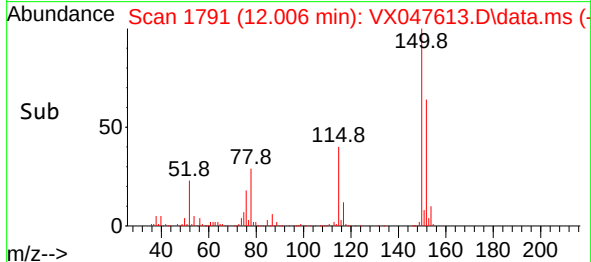
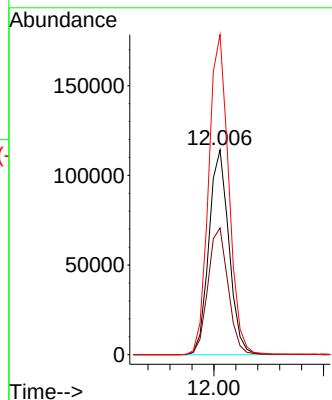
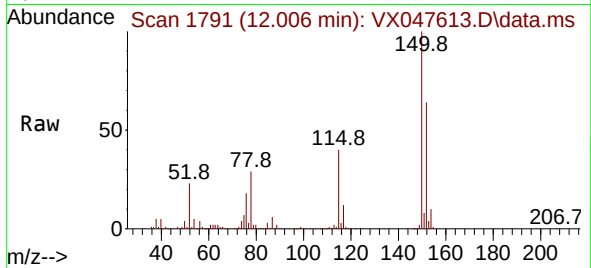




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047613.D
 Acq: 17 Sep 2025 13:24

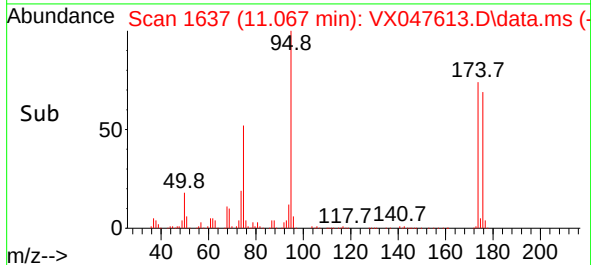
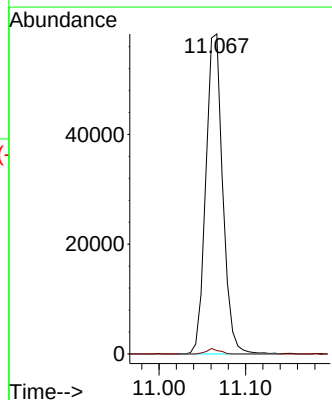
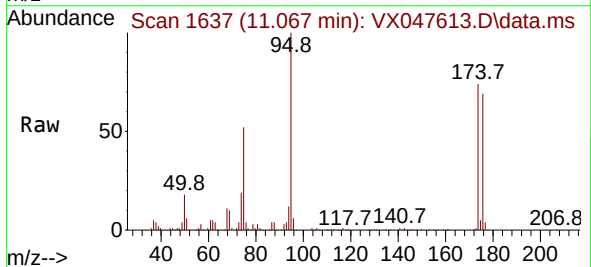
Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D1-20250909

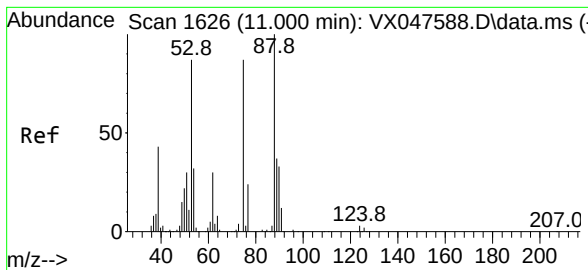
Tgt Ion:152 Resp: 144973
 Ion Ratio Lower Upper
 152 100
 115 62.7 44.9 134.5
 150 156.4 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 26.901 ug/l
 RT: 11.067 min Scan# 1637
 Delta R.T. -0.153 min
 Lab File: VX047613.D
 Acq: 17 Sep 2025 13:24

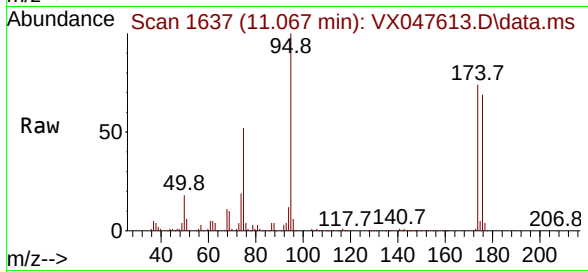
Tgt Ion: 75 Resp: 78962
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.602 ug/l
 RT: 11.067 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX047613.D
 Acq: 17 Sep 2025 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D1-20250909



Tgt Ion: 75 Resp: 78962
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

