

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032120.D
 Acq On : 22 Aug 2025 18:40
 Operator : SY/MD
 Sample : Q2947-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 235

Quant Time: Aug 25 04:01:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	183384	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	345885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	347080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	170006	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130431	49.177	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.360%
35) Dibromofluoromethane	7.904	113	117136	52.420	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.840%
50) Toluene-d8	10.330	98	414645	50.169	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.340%
62) 4-Bromofluorobenzene	12.617	95	155639	51.100	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.200%

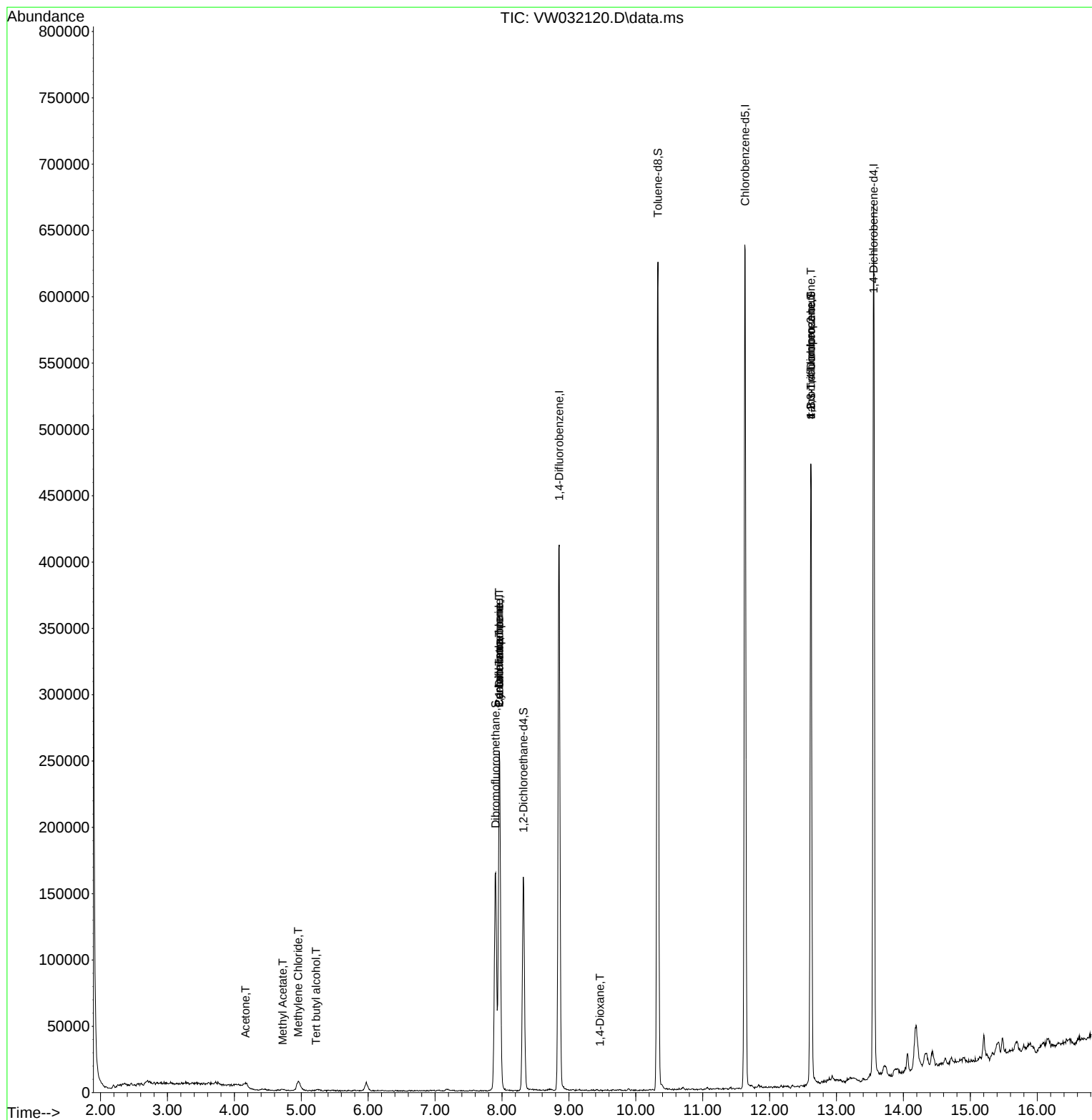
Target Compounds					Qvalue
11) Tert butyl alcohol	5.222	59	262	1.526	ug/l # 71
16) Acetone	4.167	43	3809	6.203	ug/l 92
18) Methyl Acetate	4.722	43	2145	1.104	ug/l # 80
20) Methylene Chloride	4.953	84	6687	2.355	ug/l 94
31) Cyclohexane	7.959	56	4781	1.265	ug/l # 19
36) 1,1-Dichloropropene	7.959	75	14919	4.736	ug/l # 51
38) Carbon Tetrachloride	7.959	117	19655	6.465	ug/l # 19
49) 1,4-Dioxane	9.465	88	20	1.013	ug/l # 1
76) 1,2,3-Trichloropropane	12.617	75	85610	37.103	ug/l # 1
81) trans-1,4-Dichloro-2-b...	12.617	75	85610	96.055	ug/l # 9

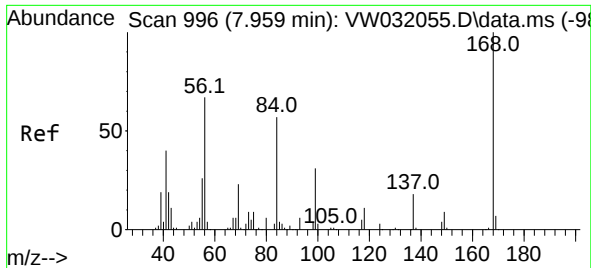
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
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MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

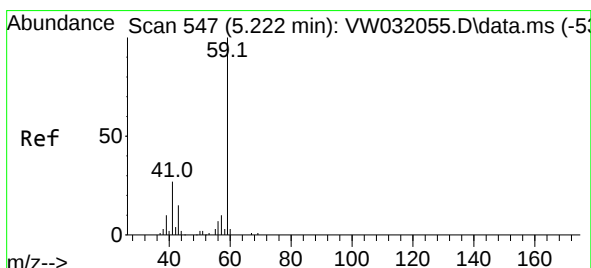
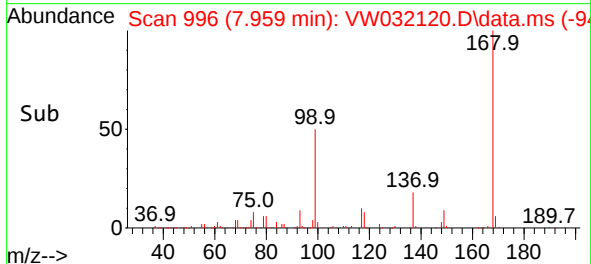
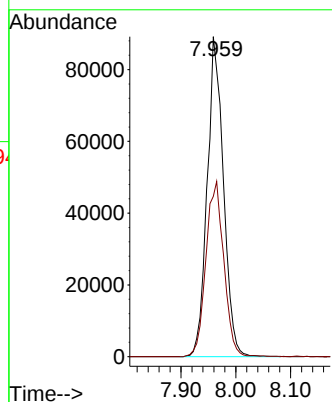
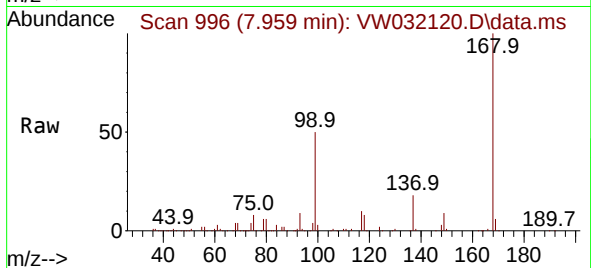




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

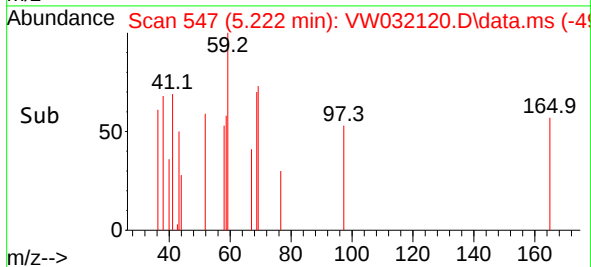
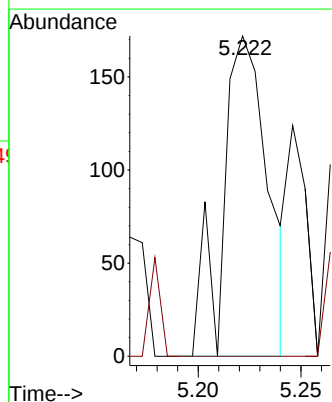
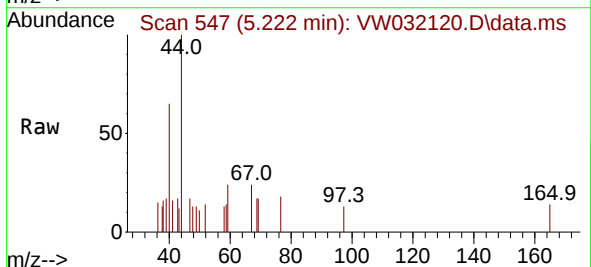
Instrument :
MSVOA_W
ClientSampleId :
235

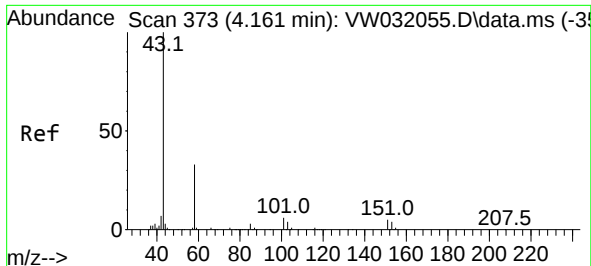
Tgt Ion:168 Resp: 183384
Ion Ratio Lower Upper
168 100
99 50.1 56.0 84.0#



#11
Tert butyl alcohol
Concen: 1.526 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion: 59 Resp: 262
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

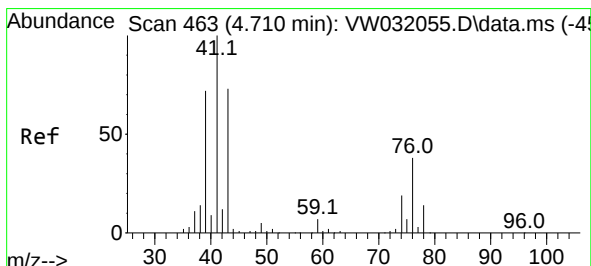
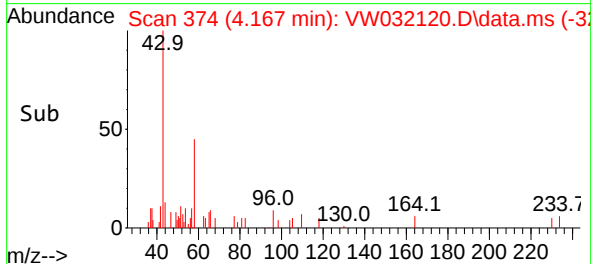
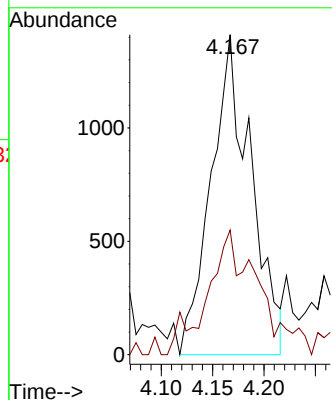
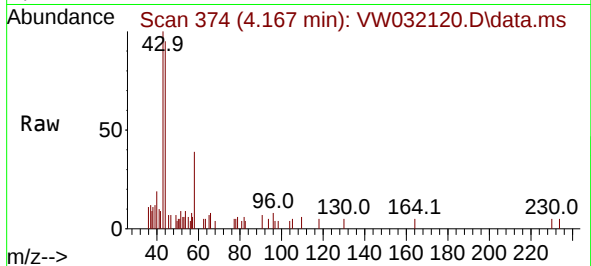




#16
Acetone
Concen: 6.203 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

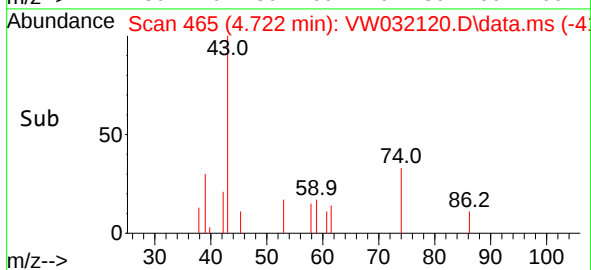
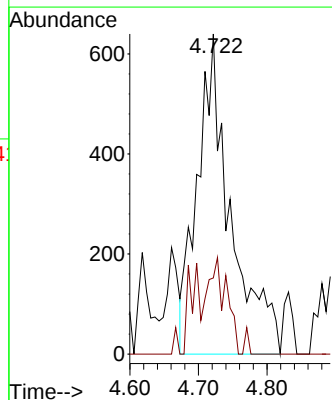
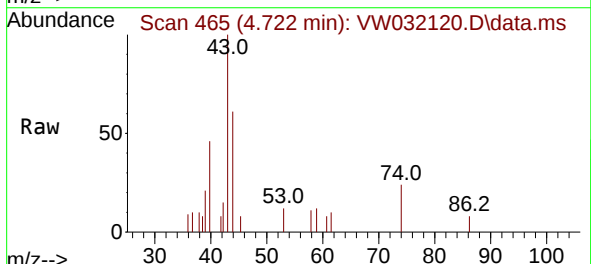
Instrument :
MSVOA_W
ClientSampleId :
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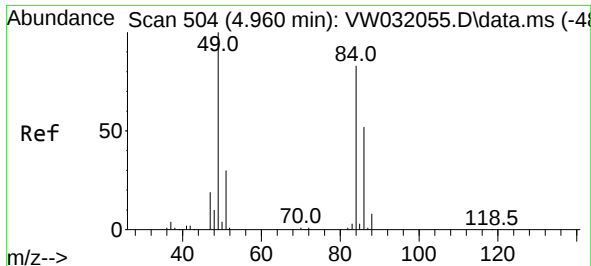
Tgt Ion: 43 Resp: 3809
Ion Ratio Lower Upper
43 100
58 28.9 26.6 39.8



#18
Methyl Acetate
Concen: 1.104 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
74 15.4 20.6 31.0#

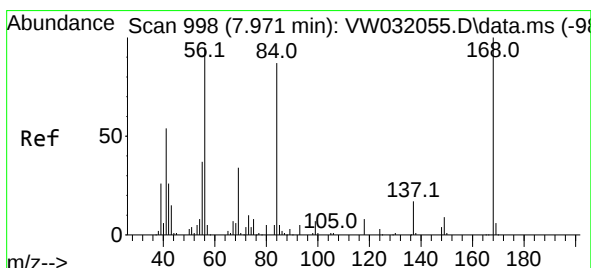
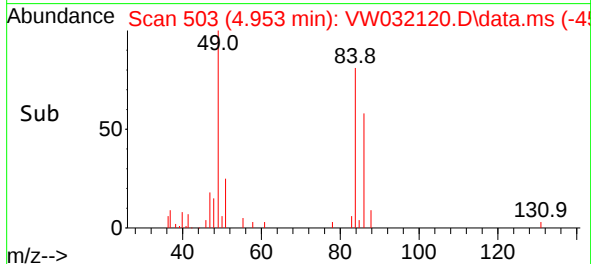
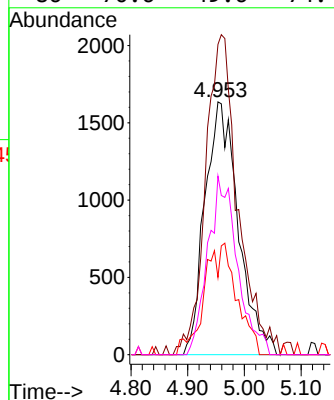
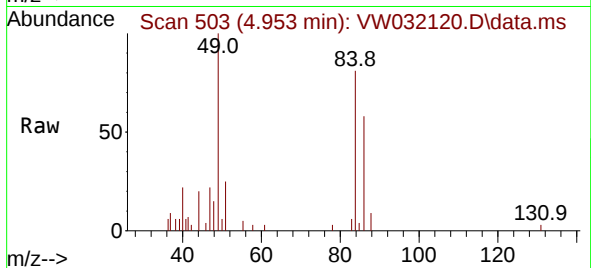




#20
Methylene Chloride
Concen: 2.355 ug/l
RT: 4.953 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

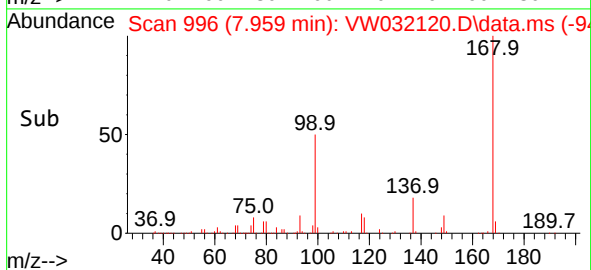
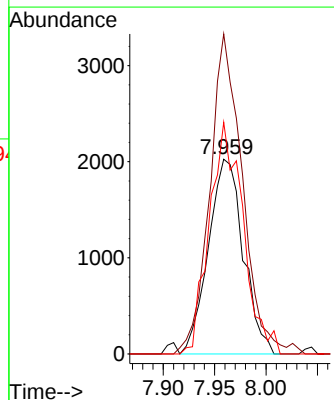
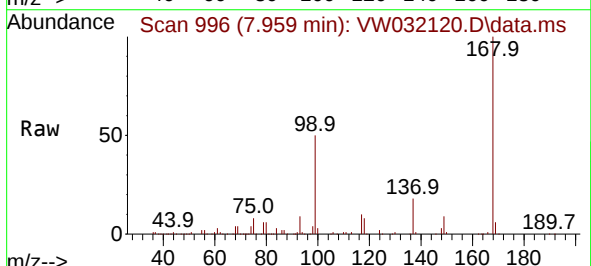
Instrument :
MSVOA_W
ClientSampleId :
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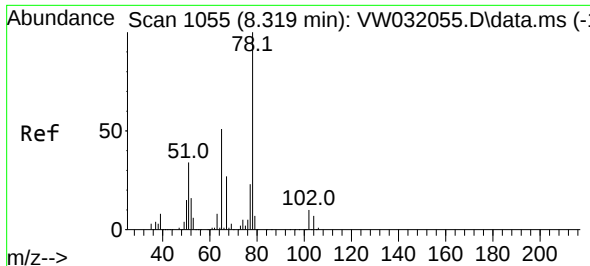
Tgt Ion: 84	Resp: 6687
Ion Ratio	Lower Upper
84 100	
49 122.8	95.9 143.9
51 30.6	28.6 43.0
86 70.6	49.6 74.4



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.013 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion: 56	Resp: 4781		
Ion Ratio	Lower	Upper	
56	100		
69	161.1	28.6	42.8#
84	119.0	73.0	109.4#

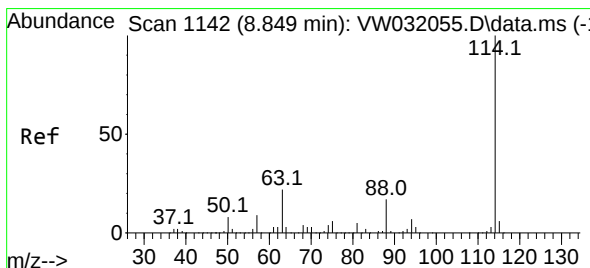
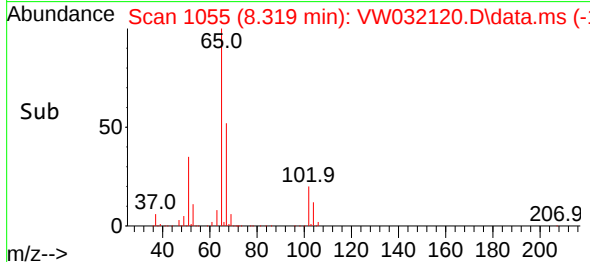
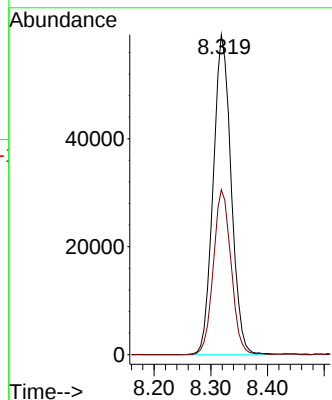
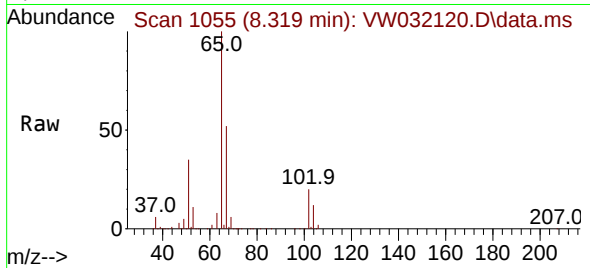




#33
 1,2-Dichloroethane-d4
 Concen: 49.177 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032120.D
 Acq: 22 Aug 2025 18:40

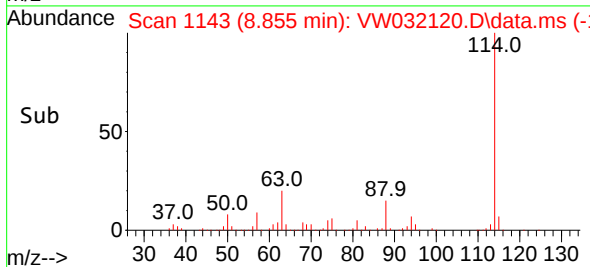
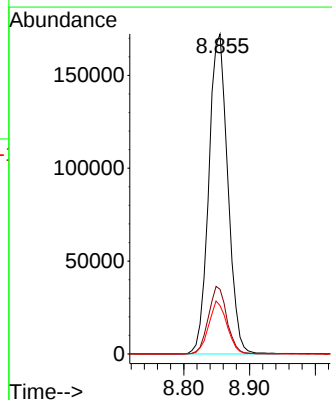
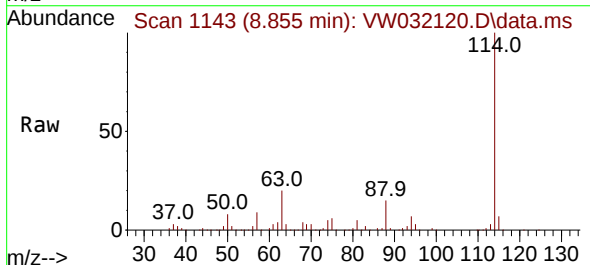
Instrument :
 MSVOA_W
 ClientSampleId :
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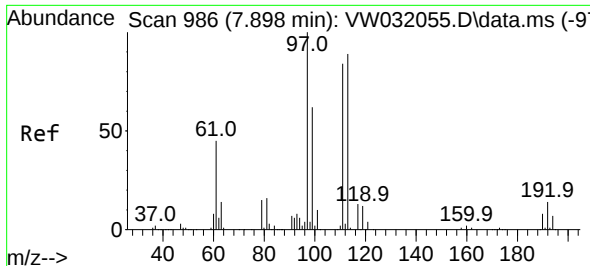
Tgt Ion: 65 Resp: 130431
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032120.D
 Acq: 22 Aug 2025 18:40

Tgt Ion: 114 Resp: 345885
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 43.0
 88 15.1 0.0 33.8

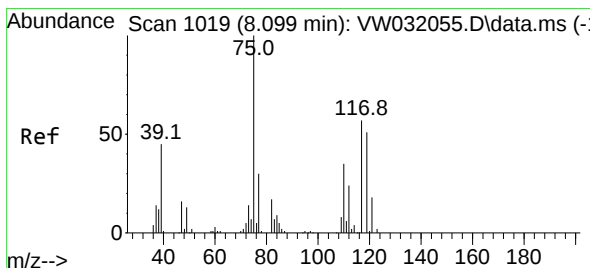
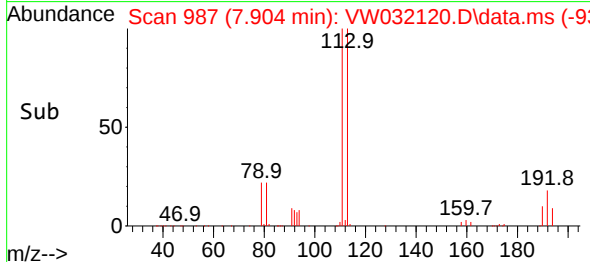
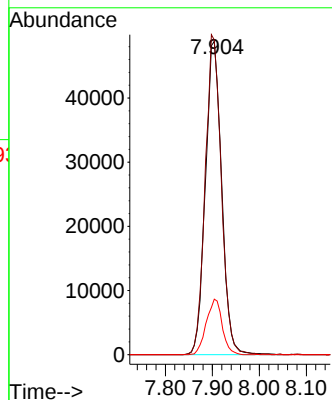
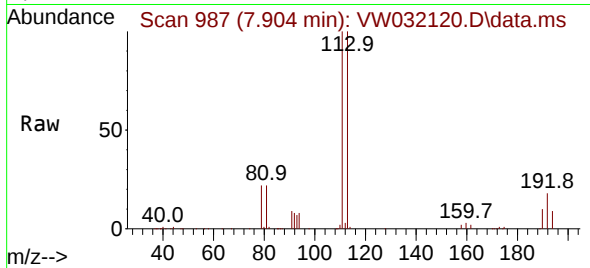




#35
Dibromofluoromethane
Concen: 52.420 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.006 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

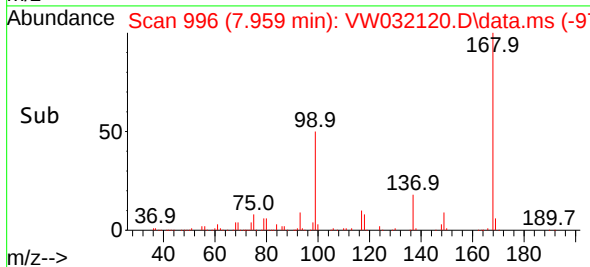
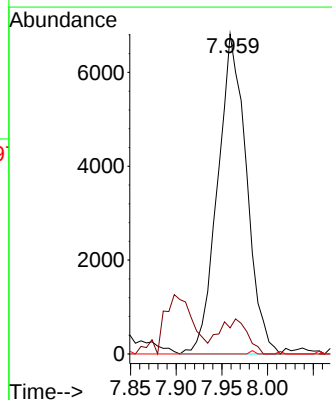
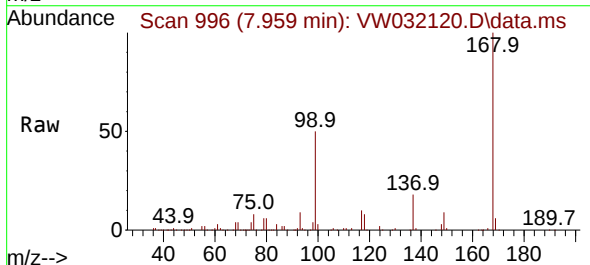
Instrument :
MSVOA_W
ClientSampleId :
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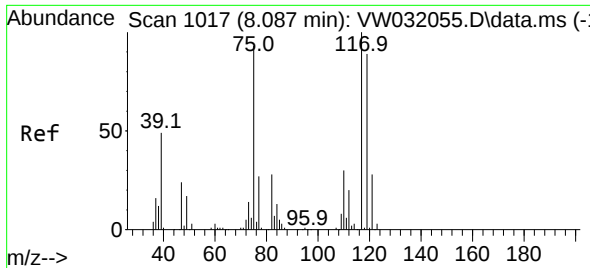
Tgt Ion:113 Resp: 117136
Ion Ratio Lower Upper
113 100
111 101.1 80.1 120.1
192 17.4 13.1 19.7



#36
1,1-Dichloropropene
Concen: 4.736 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.141 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion: 75 Resp: 14919
Ion Ratio Lower Upper
75 100
110 10.6 17.4 52.2#
77 0.0 24.7 37.1#

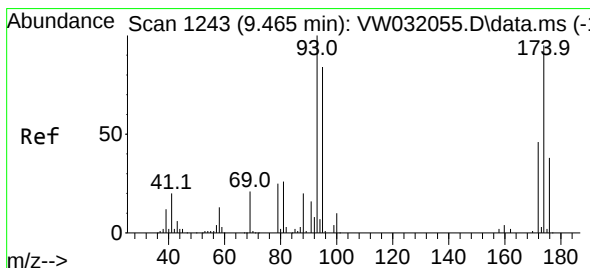
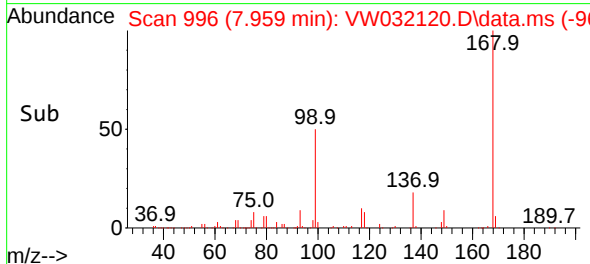
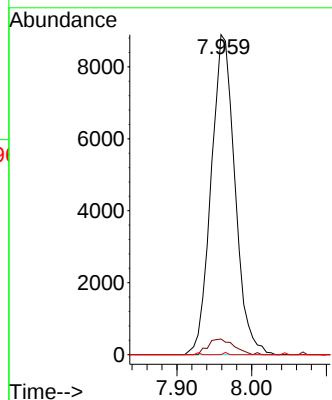
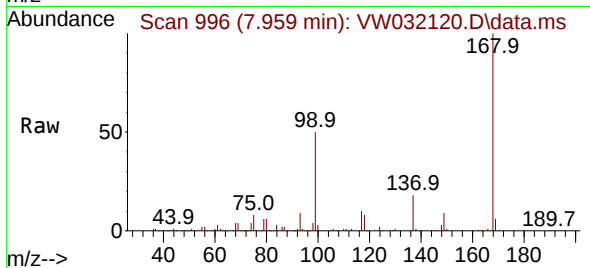




#38
Carbon Tetrachloride
Concen: 6.465 ug/l
RT: 7.959 min Scan# 91
Delta R.T. -0.128 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

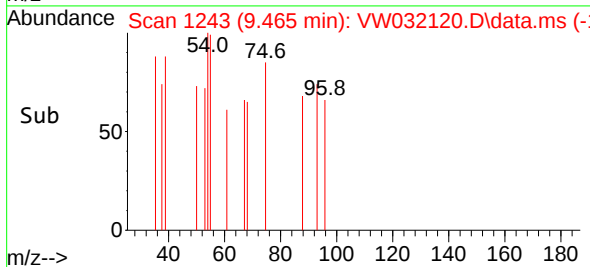
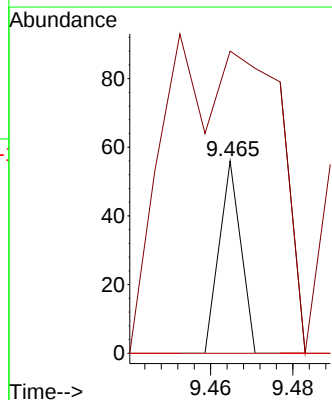
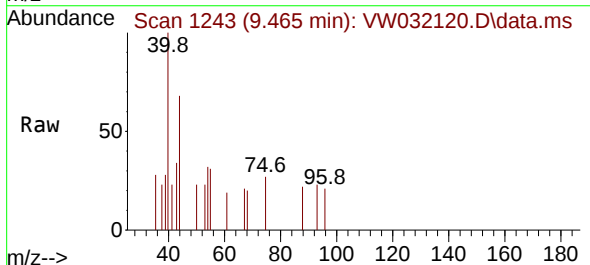
Instrument :
MSVOA_W
ClientSampleId :
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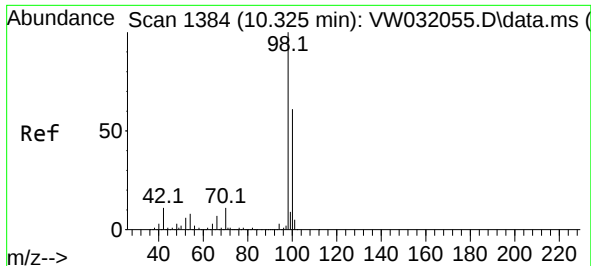
Tgt Ion:117 Resp: 19655
Ion Ratio Lower Upper
117 100
119 4.9 71.4 107.2#
121 0.0 22.3 33.5#



#49
1,4-Dioxane
Concen: 1.013 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 840.0 20.6 30.8#
58 0.0 60.4 90.6#

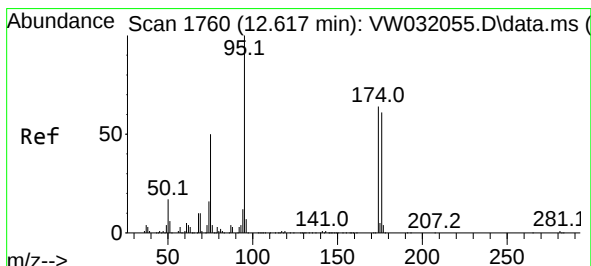
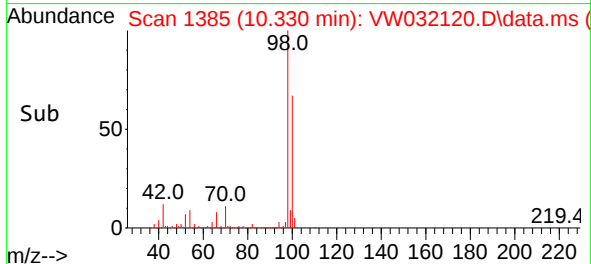
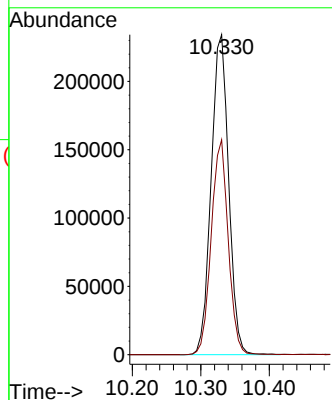
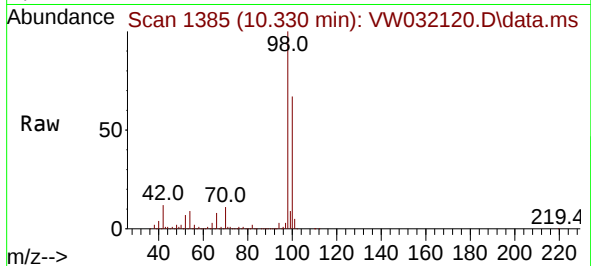




#50
Toluene-d8
Concen: 50.169 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

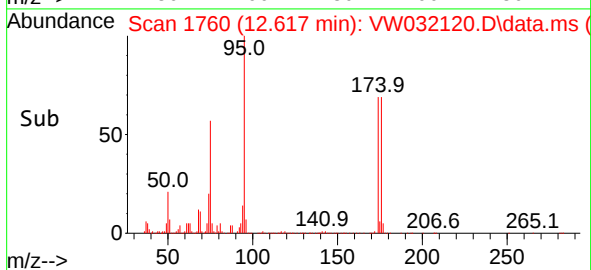
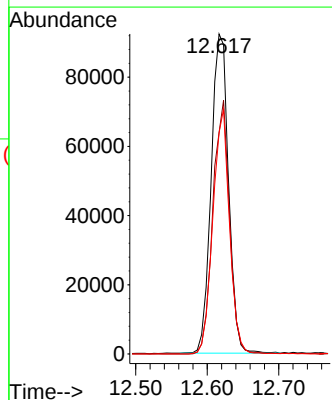
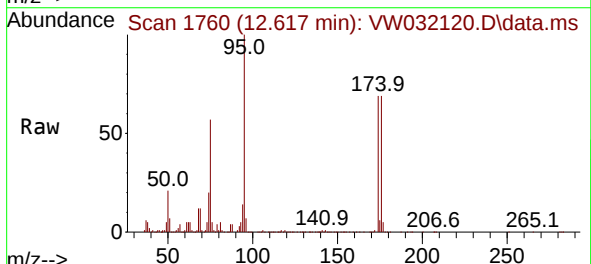
Instrument :
MSVOA_W
ClientSampleId :
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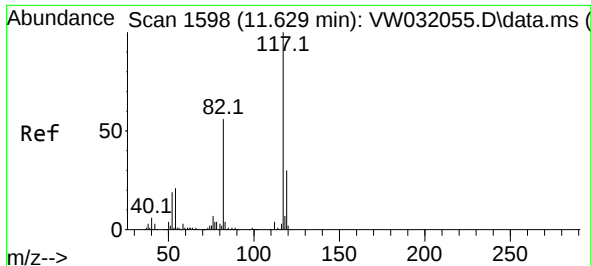
Tgt Ion: 98 Resp: 414645
Ion Ratio Lower Upper
98 100
100 65.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 51.100 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion: 95 Resp: 155639
Ion Ratio Lower Upper
95 100
174 76.4 0.0 129.0
176 73.2 0.0 124.6

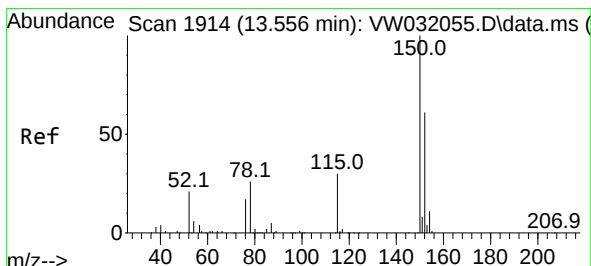
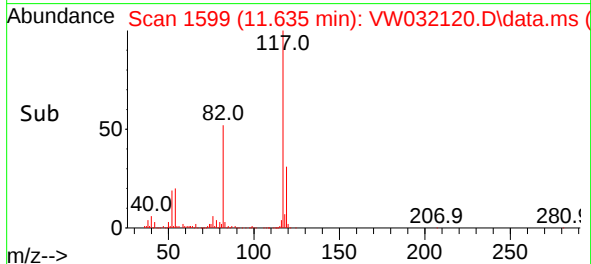
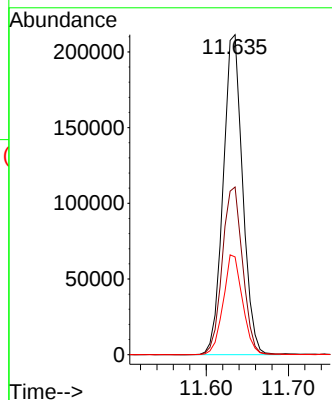
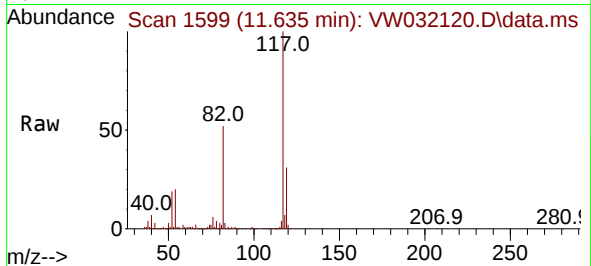




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

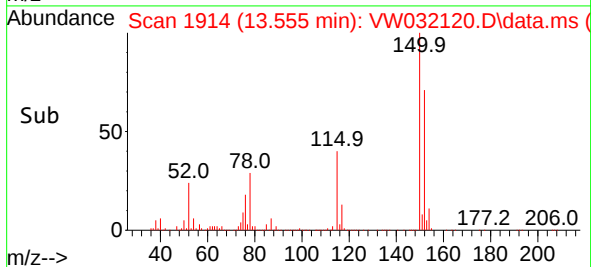
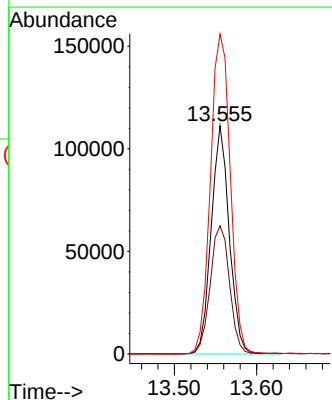
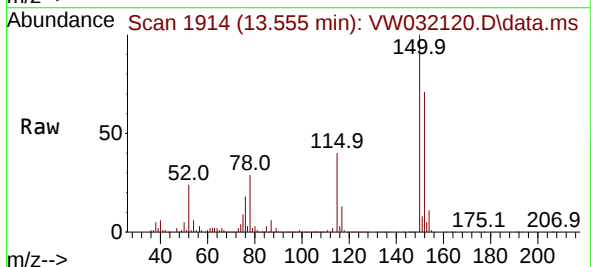
Instrument :
MSVOA_W
ClientSampleId :
235

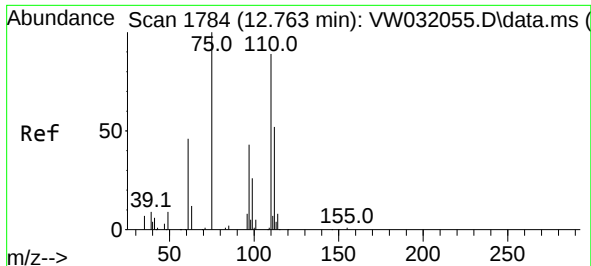
Tgt Ion:117 Resp: 347080
Ion Ratio Lower Upper
117 100
82 52.4 45.0 67.4
119 30.5 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion:152 Resp: 170006
Ion Ratio Lower Upper
152 100
115 59.9 32.6 97.8
150 154.1 0.0 359.4

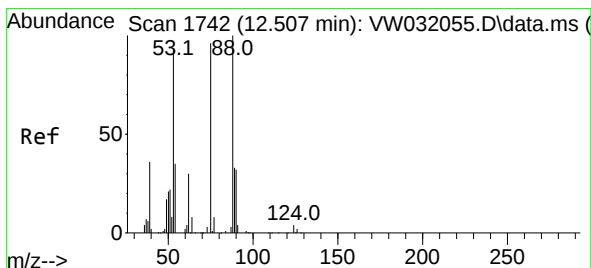
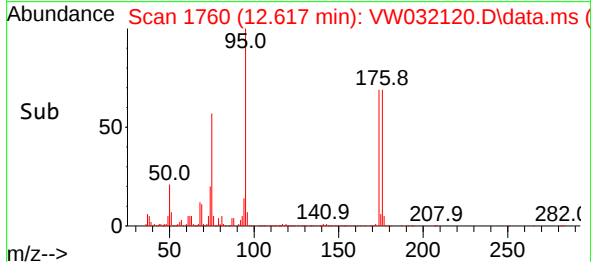
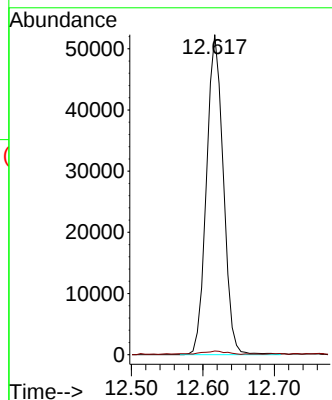
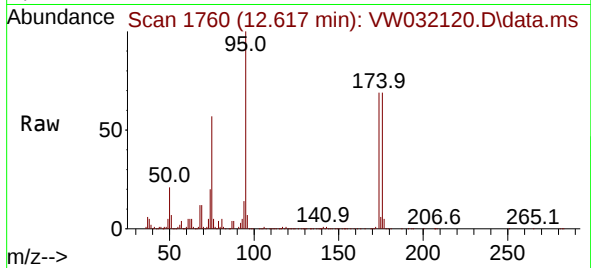




#76
1,2,3-Trichloropropane
Concen: 37.103 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Instrument :
MSVOA_W
ClientSampleId :
235

Tgt Ion: 75 Resp: 85610
Ion Ratio Lower Upper
75 100
77 1.4 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.055 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.109 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion: 75 Resp: 85610
Ion Ratio Lower Upper
75 100
53 0.4 81.0 121.6#
89 0.0 37.3 55.9#

