

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032122.D
 Acq On : 22 Aug 2025 19:24
 Operator : SY/MD
 Sample : Q2949-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 367

Quant Time: Aug 25 04:02:21 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)

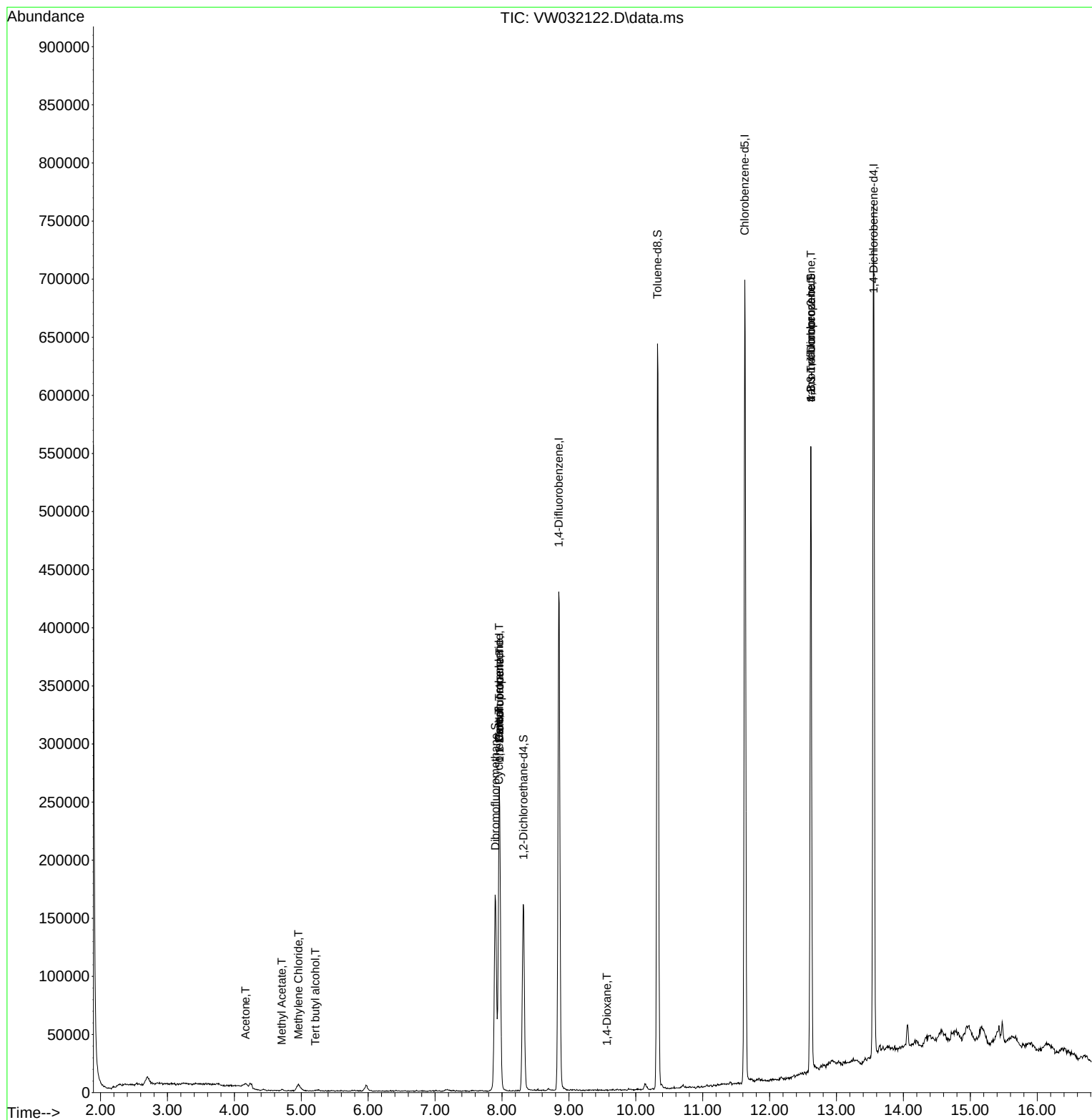
Internal Standards						
1) Pentafluorobenzene	7.959	168	184727	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	361968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	365942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	187573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130947	49.013	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.020%		
35) Dibromofluoromethane	7.898	113	119021	50.897	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	101.800%		
50) Toluene-d8	10.325	98	421063	48.682	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	97.360%		
62) 4-Bromofluorobenzene	12.617	95	174736	54.821	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	109.640%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	324	1.873	ug/l #	92
16) Acetone	4.167	43	3007	4.861	ug/l	93
18) Methyl Acetate	4.710	43	2169	1.108	ug/l #	74
20) Methylene Chloride	4.960	84	4890	1.710	ug/l #	85
31) Cyclohexane	7.953	56	4867	1.278	ug/l #	32
36) 1,1-Dichloropropene	7.965	75	16165	4.904	ug/l #	52
38) Carbon Tetrachloride	7.959	117	20580	6.469	ug/l #	19
49) 1,4-Dioxane	9.569	88	24	1.162	ug/l #	21
76) 1,2,3-Trichloropropane	12.617	75	95360	37.458	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	95360	96.974	ug/l #	9

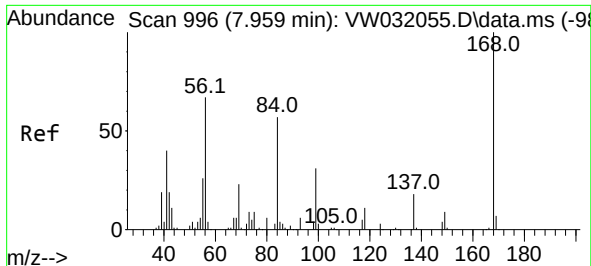
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032122.D
Acq On : 22 Aug 2025 19:24
Operator : SY/MD
Sample : Q2949-01
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
367

Quant Time: Aug 25 04:02:21 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

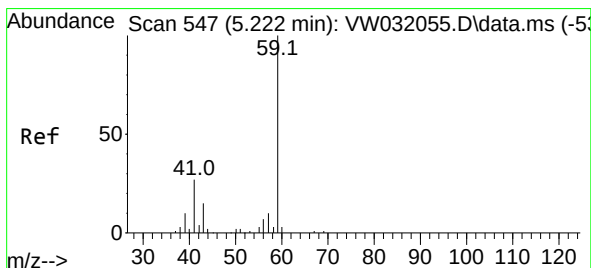
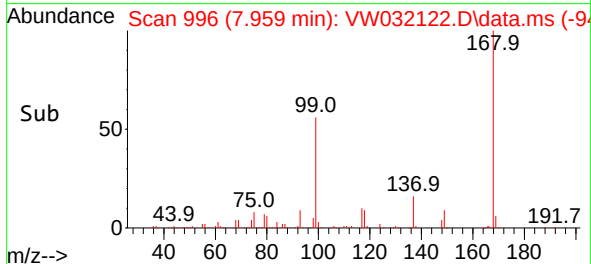
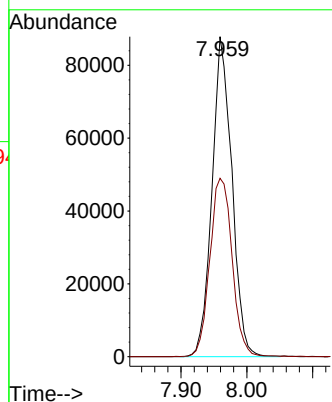
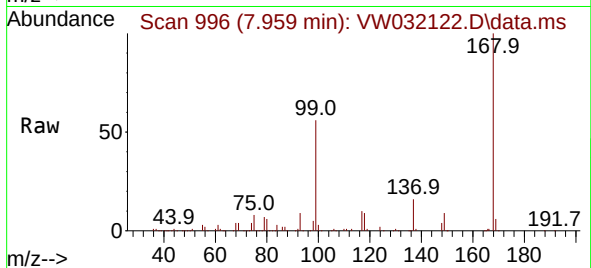




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

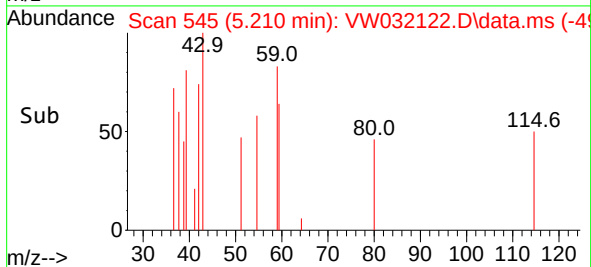
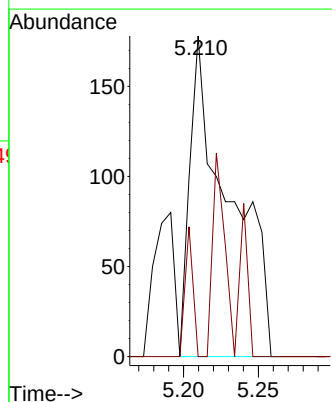
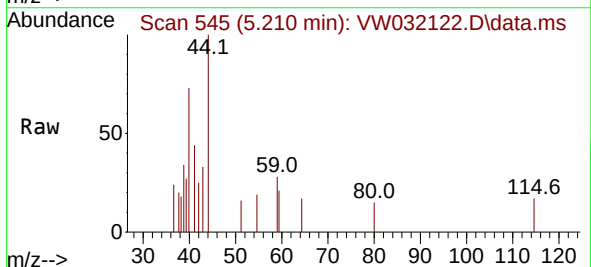
Instrument :
MSVOA_W
ClientSampleId :
367

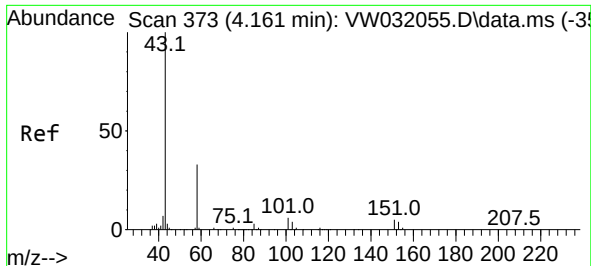
Tgt Ion:168 Resp: 184727
Ion Ratio Lower Upper
168 100
99 55.7 56.0 84.0#



#11
Tert butyl alcohol
Concen: 1.873 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.012 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Tgt Ion: 59 Resp: 324
Ion Ratio Lower Upper
59 100
57 8.0 8.7 13.1#

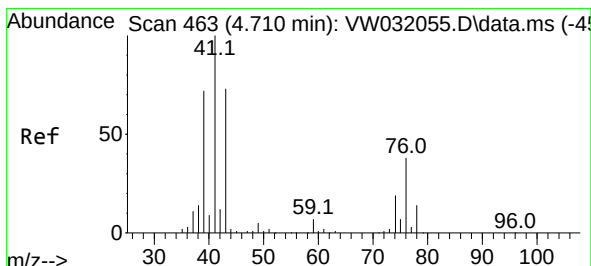
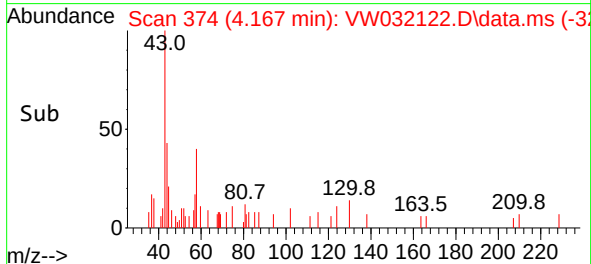
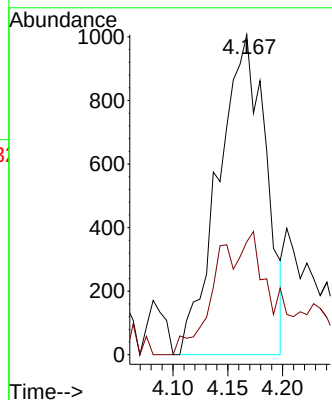
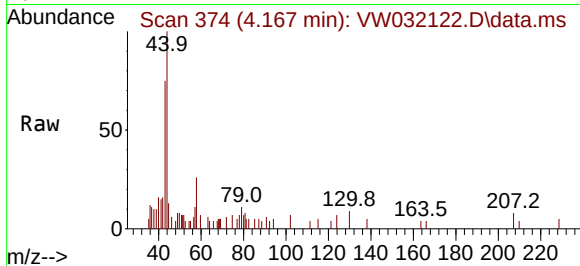




#16
Acetone
Concen: 4.861 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

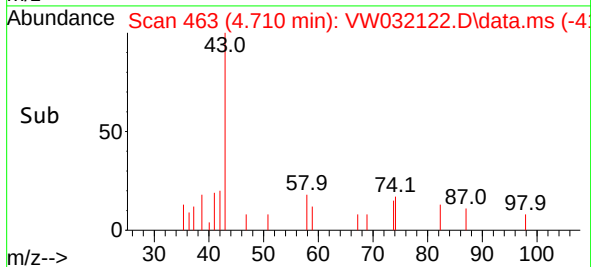
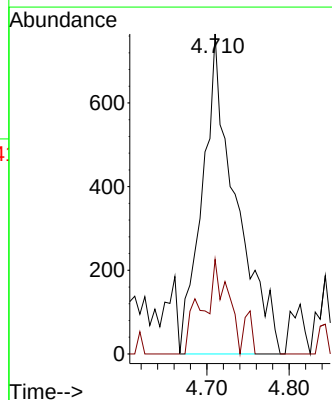
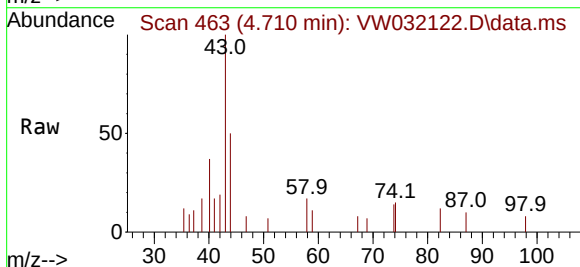
Instrument :
MSVOA_W
ClientSampleId :
367

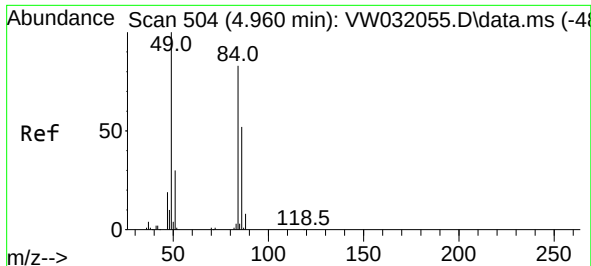
Tgt Ion: 43 Resp: 3007
Ion Ratio Lower Upper
43 100
58 29.4 26.6 39.8



#18
Methyl Acetate
Concen: 1.108 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
74 12.8 20.6 31.0#

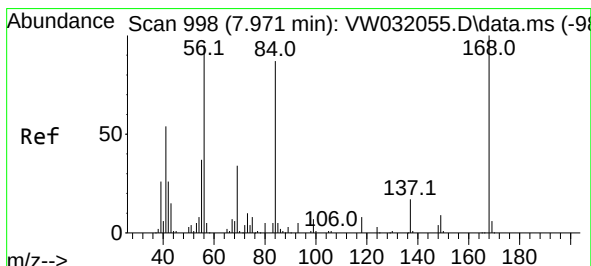
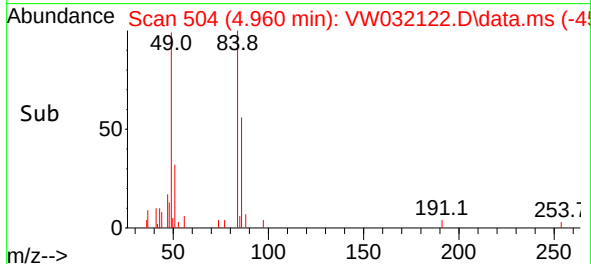
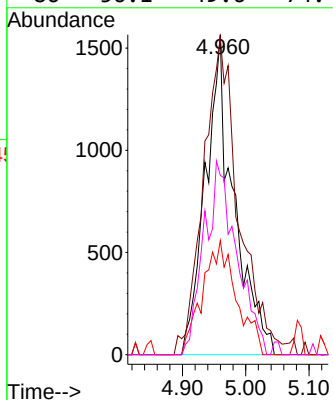
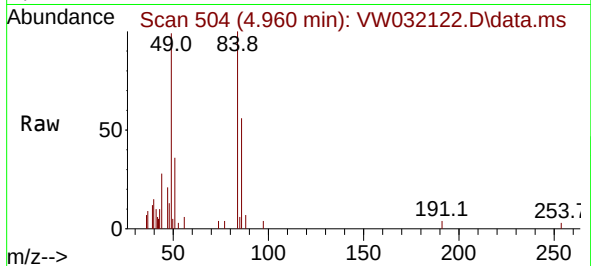




#20
Methylene Chloride
Concen: 1.710 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

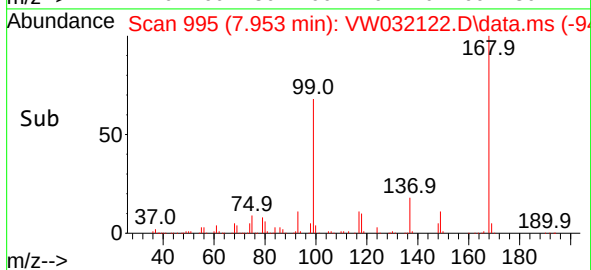
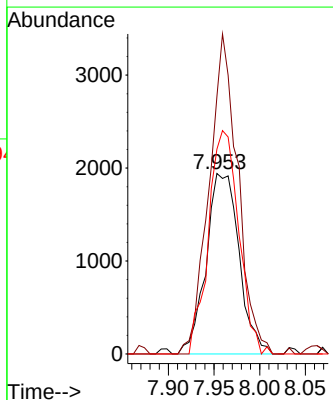
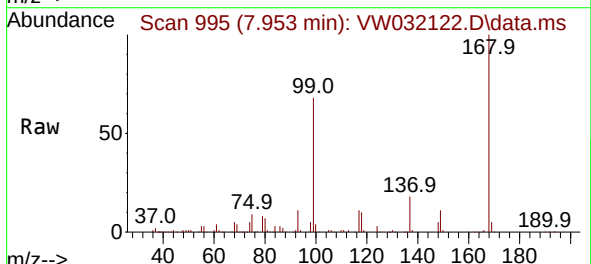
Instrument :
MSVOA_W
ClientSampleId :
367

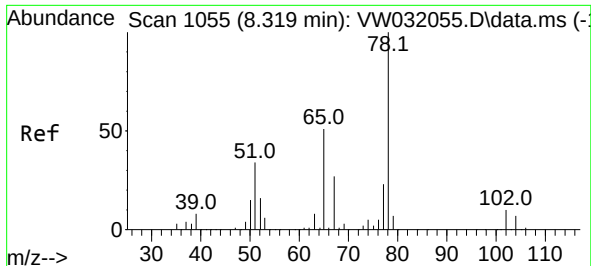
Tgt Ion:	84	Resp:	4890
Ion	Ratio	Lower	Upper
84	100		
49	94.8	95.9	143.9#
51	35.6	28.6	43.0
86	56.1	49.6	74.4



#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Tgt Ion:	56	Resp:	4867
Ion	Ratio	Lower	Upper
56	100		
69	142.6	28.6	42.8#
84	113.5	73.0	109.4#

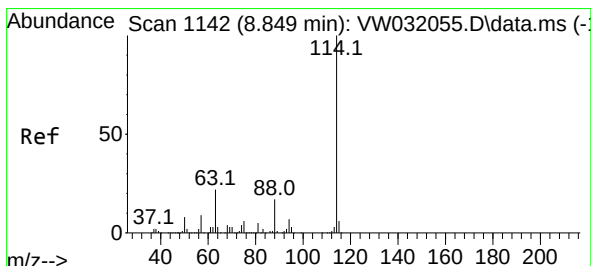
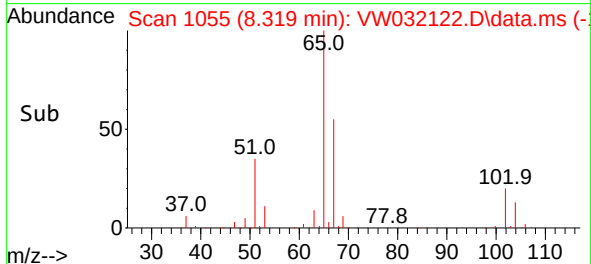
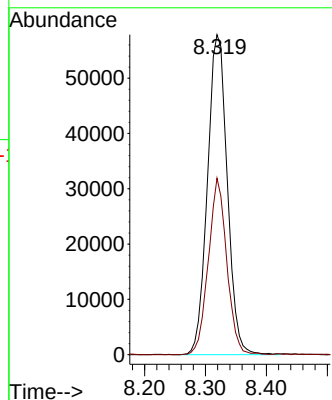
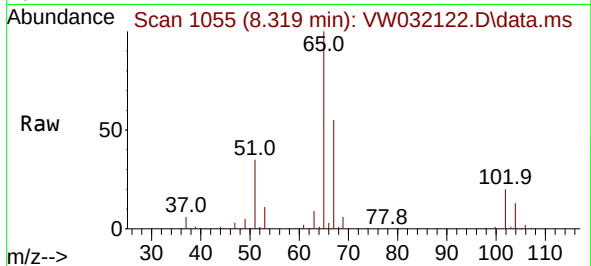




#33
 1,2-Dichloroethane-d4
 Concen: 49.013 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032122.D
 Acq: 22 Aug 2025 19:24

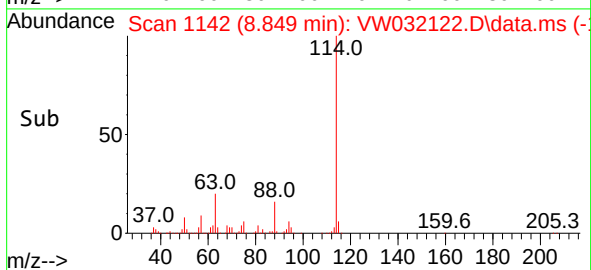
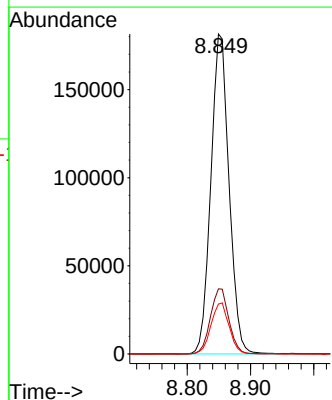
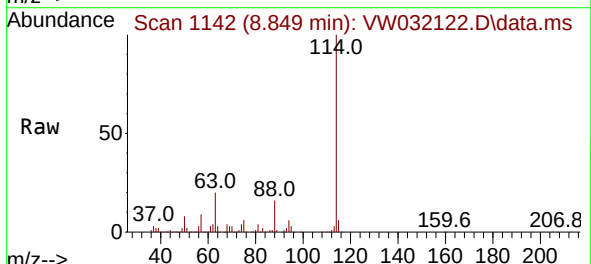
Instrument :
 MSVOA_W
 ClientSampleId :
 367

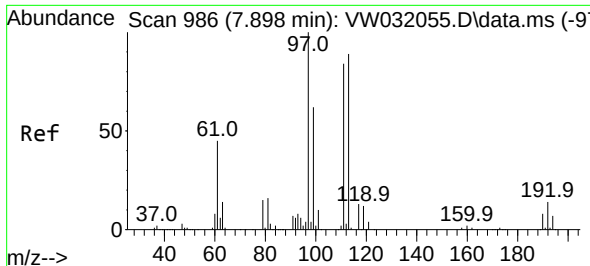
Tgt Ion: 65 Resp: 130947
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032122.D
 Acq: 22 Aug 2025 19:24

Tgt Ion: 114 Resp: 361968
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.0
 88 15.6 0.0 33.8

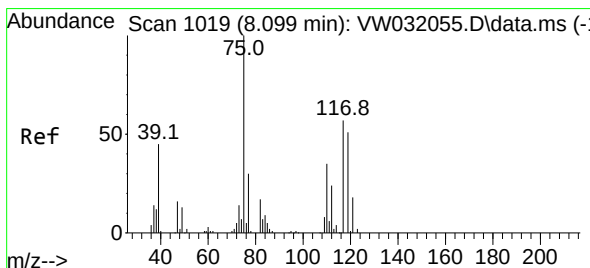
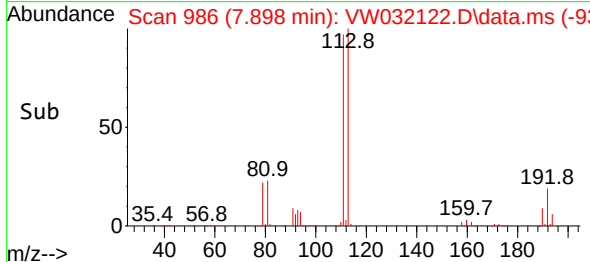
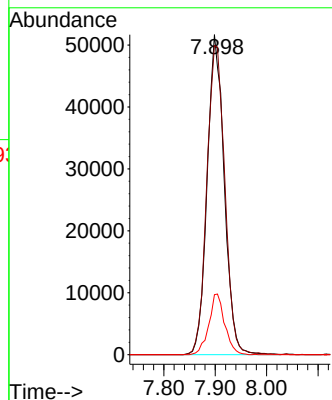
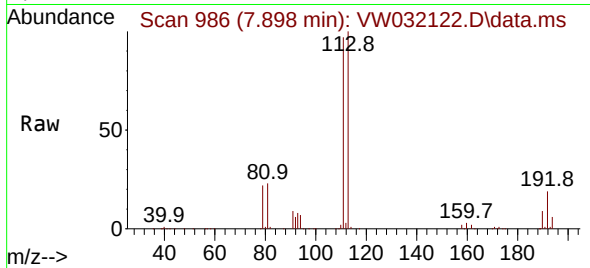




#35
Dibromofluoromethane
Concen: 50.897 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

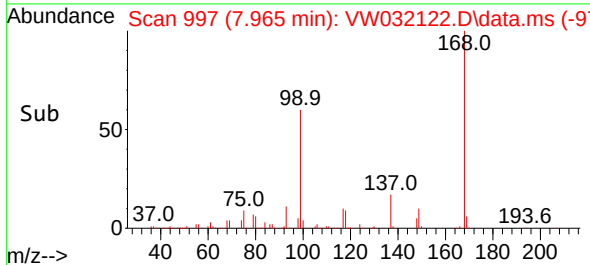
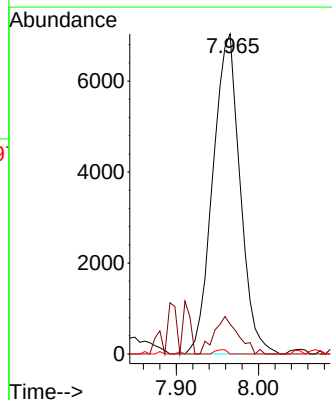
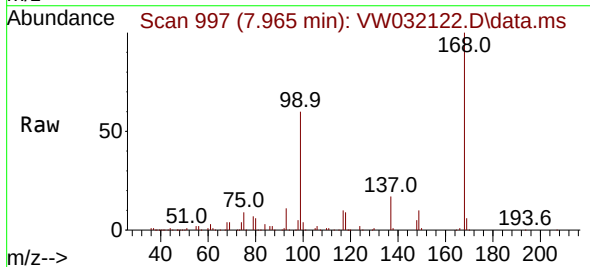
Instrument :
MSVOA_W
ClientSampleId :
367

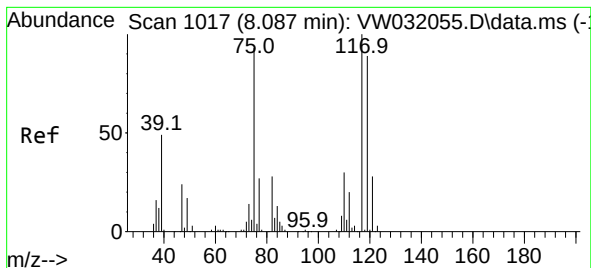
Tgt Ion:113 Resp: 119021
Ion Ratio Lower Upper
113 100
111 101.7 80.1 120.1
192 17.7 13.1 19.7



#36
1,1-Dichloropropene
Concen: 4.904 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Tgt Ion: 75 Resp: 16165
Ion Ratio Lower Upper
75 100
110 10.4 17.4 52.2#
77 0.6 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.469 ug/l

RT: 7.959 min Scan# 91

Delta R.T. -0.128 min

Lab File: VW032122.D

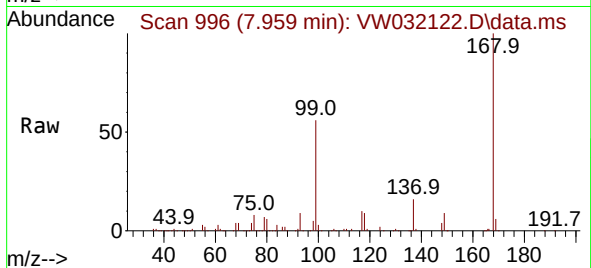
Acq: 22 Aug 2025 19:24

Instrument :

MSVOA_W

ClientSampleId :

367



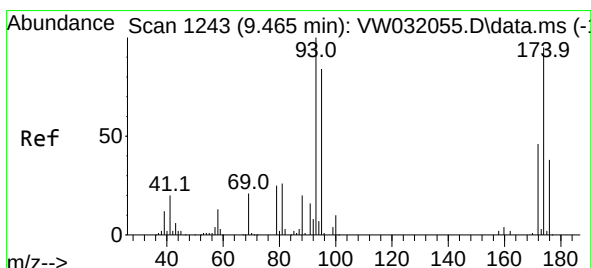
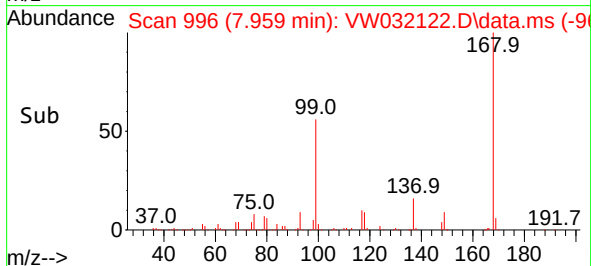
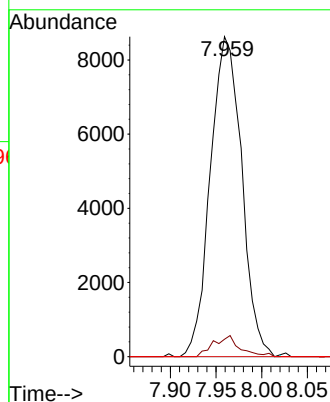
Tgt Ion:117 Resp: 20580

Ion Ratio Lower Upper

117 100

119 5.4 71.4 107.2#

121 0.0 22.3 33.5#



#49

1,4-Dioxane

Concen: 1.162 ug/l

RT: 9.569 min Scan# 1260

Delta R.T. 0.104 min

Lab File: VW032122.D

Acq: 22 Aug 2025 19:24

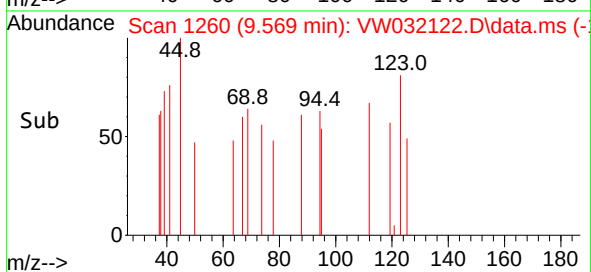
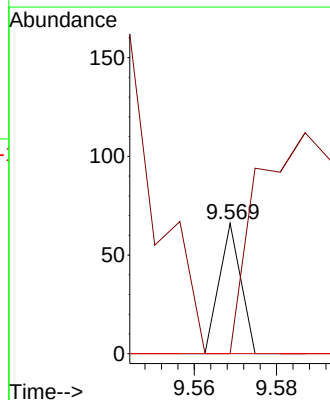
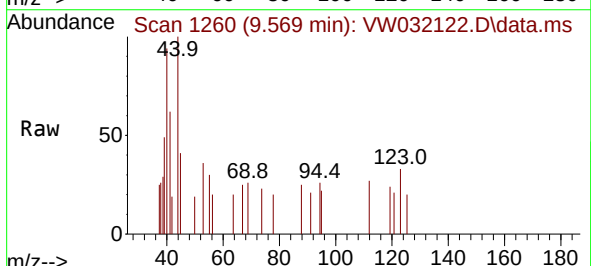
Tgt Ion: 88 Resp: 24

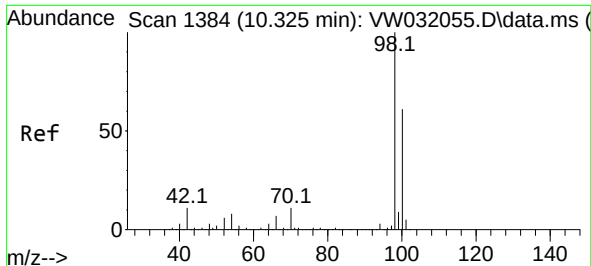
Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 0.0 60.4 90.6#

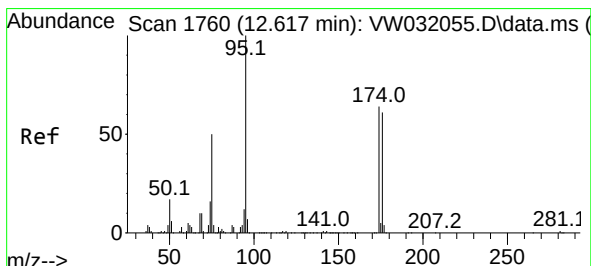
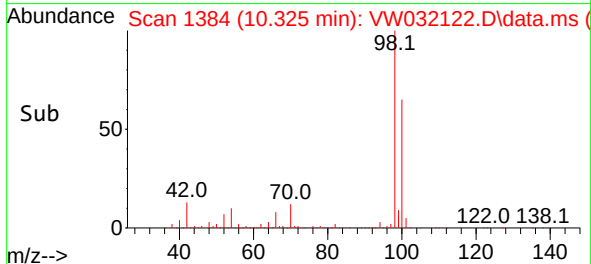
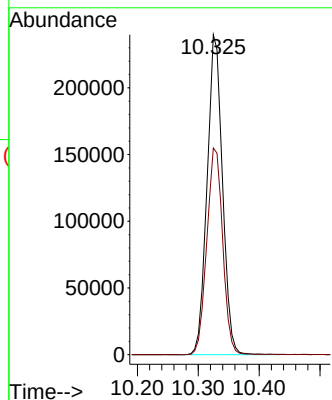
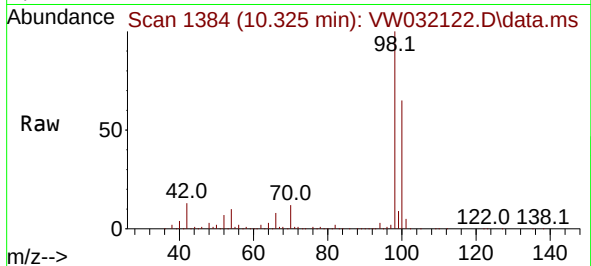




#50
Toluene-d8
Concen: 48.682 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

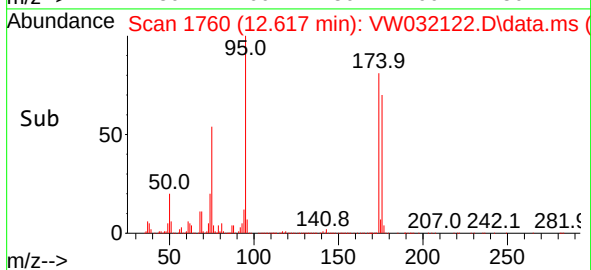
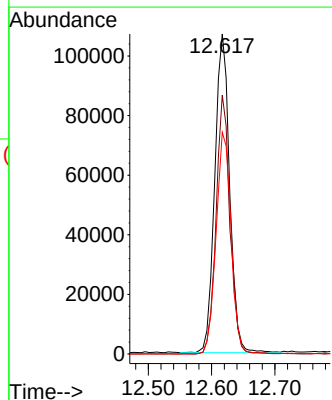
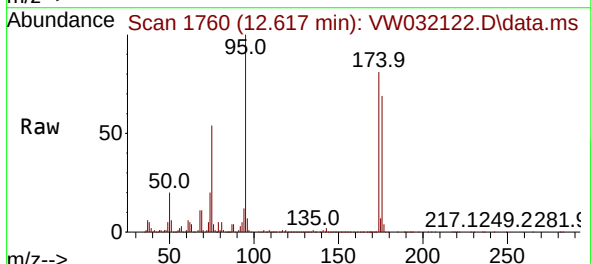
Instrument :
MSVOA_W
ClientSampleId :
367

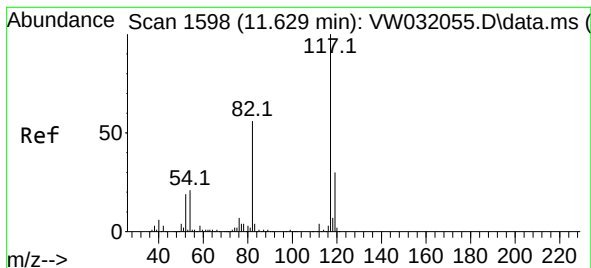
Tgt Ion: 98 Resp: 421063
Ion Ratio Lower Upper
98 100
100 66.6 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 54.821 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Tgt Ion: 95 Resp: 174736
Ion Ratio Lower Upper
95 100
174 76.3 0.0 129.0
176 70.2 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032122.D

Acq: 22 Aug 2025 19:24

Instrument :

MSVOA_W

ClientSampleId :

367

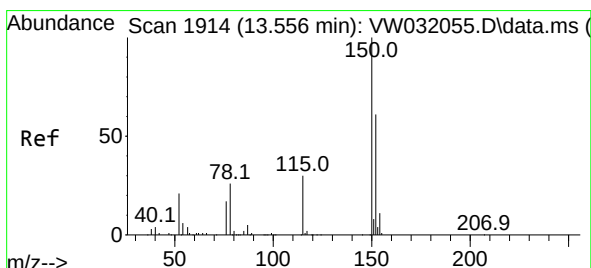
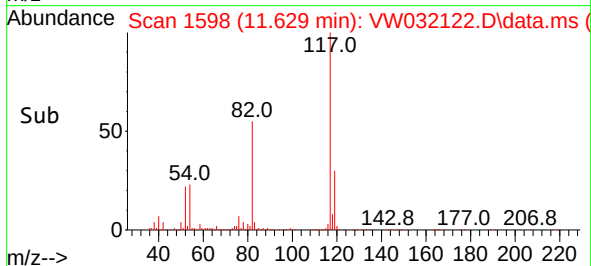
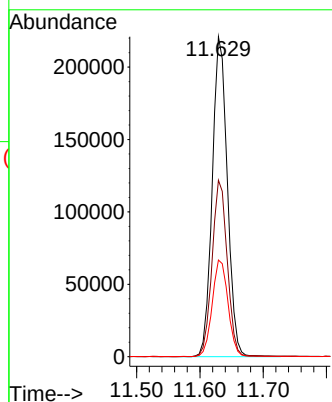
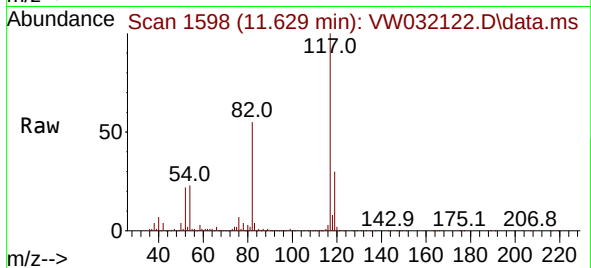
Tgt Ion:117 Resp: 365942

Ion Ratio Lower Upper

117 100

82 55.1 45.0 67.4

119 30.2 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032122.D

Acq: 22 Aug 2025 19:24

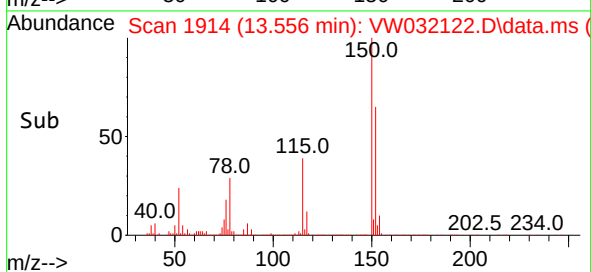
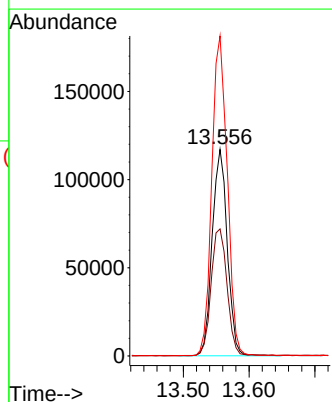
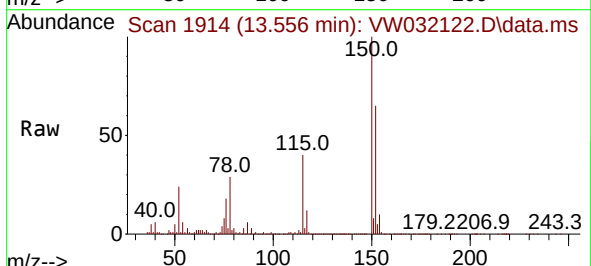
Tgt Ion:152 Resp: 187573

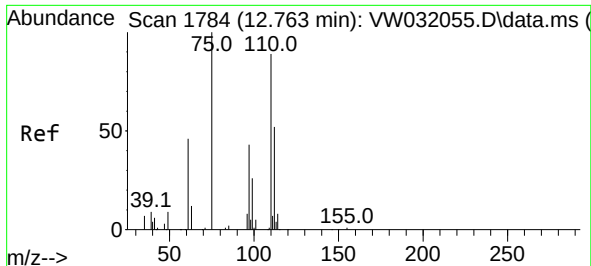
Ion Ratio Lower Upper

152 100

115 64.8 32.6 97.8

150 157.5 0.0 359.4

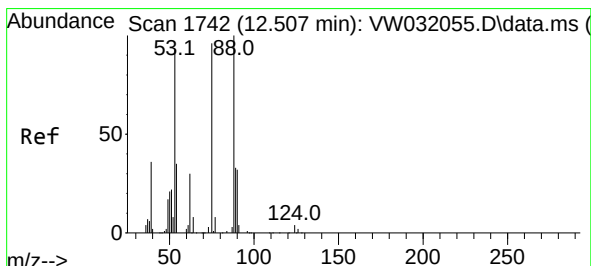
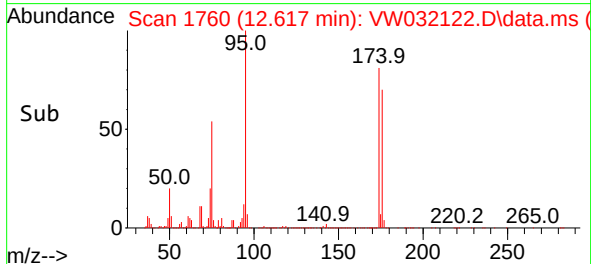
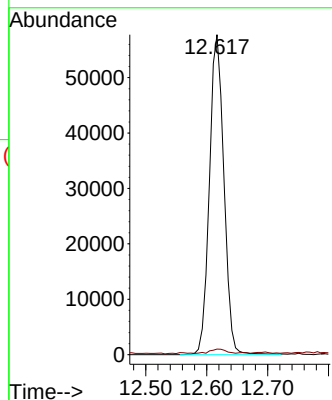
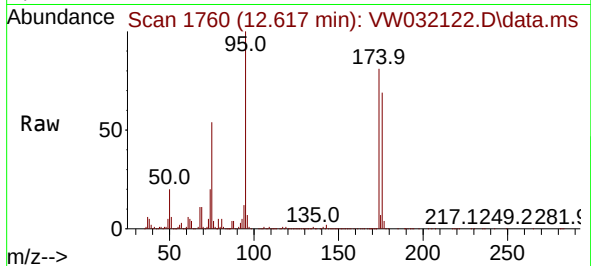




#76
1,2,3-Trichloropropane
Concen: 37.458 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Instrument :
MSVOA_W
ClientSampleId :
367

Tgt Ion: 75 Resp: 95360
Ion Ratio Lower Upper
75 100
77 1.5 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.974 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Tgt Ion: 75 Resp: 95360
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.6#
89 0.2 37.3 55.9#

