

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032094.D
 Acq On : 14 Aug 2025 15:24
 Operator : SY/MD
 Sample : Q2820-11
 Misc : 6.37g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 18 03:53:43 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	137313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	286341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	284239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	145639	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	118763	59.802	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	119.600%
35) Dibromofluoromethane	7.898	113	102258	55.278	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.560%
50) Toluene-d8	10.325	98	343997	50.276	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.560%
62) 4-Bromofluorobenzene	12.617	95	132784	52.662	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	105.320%

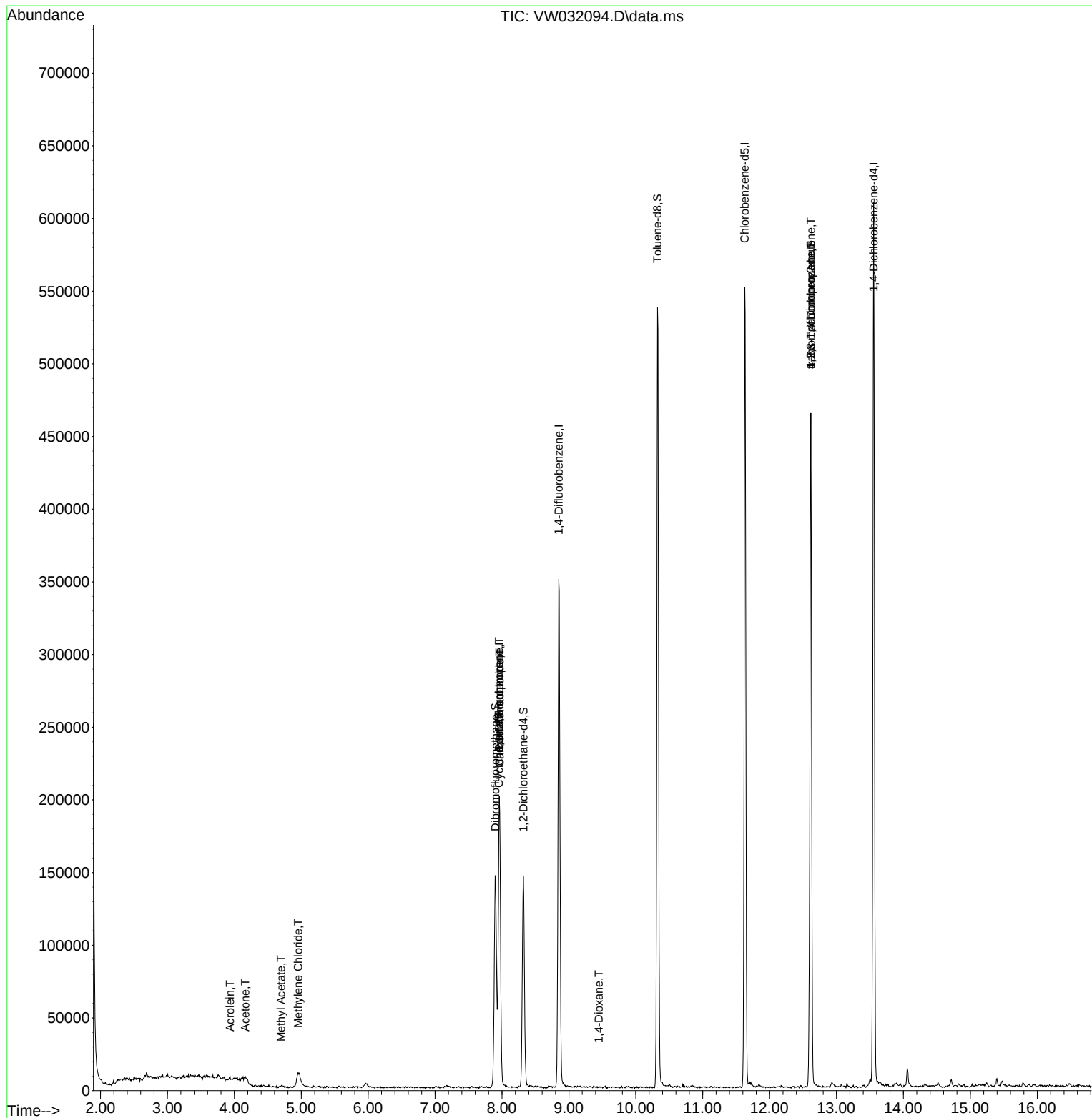
Target Compounds					Qvalue	
13) Acrolein	3.936	56	303	1.479	ug/l #	60
16) Acetone	4.161	43	2413	5.248	ug/l #	82
18) Methyl Acetate	4.698	43	2001	1.375	ug/l #	74
20) Methylene Chloride	4.954	84	10107	4.754	ug/l	93
31) Cyclohexane	7.953	56	4017	1.419	ug/l #	38
36) 1,1-Dichloropropene	7.959	75	13574	5.205	ug/l #	50
38) Carbon Tetrachloride	7.965	117	16200	6.437	ug/l #	19
49) 1,4-Dioxane	9.447	88	24	1.469	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	75368	38.129	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	75368	98.712	ug/l #	9

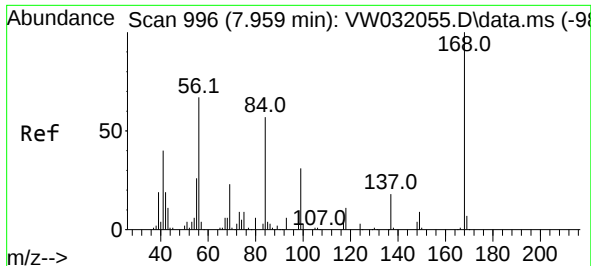
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
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Quant Time: Aug 18 03:53:43 2025
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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

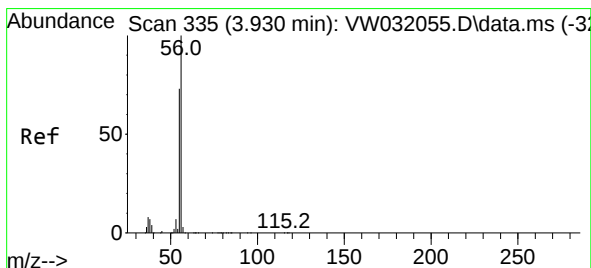
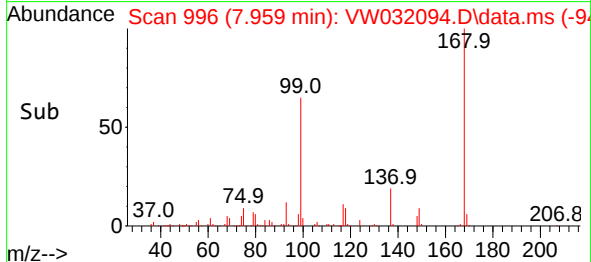
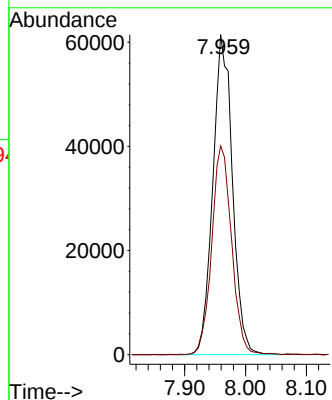
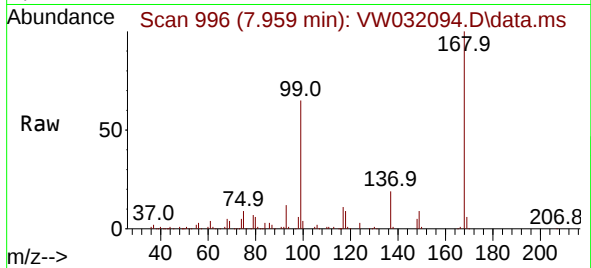




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

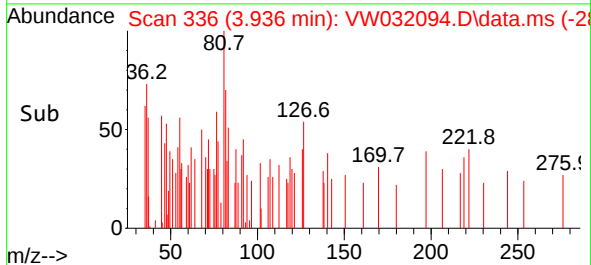
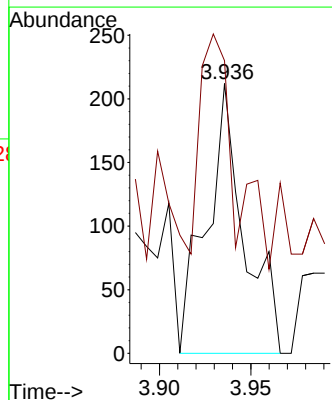
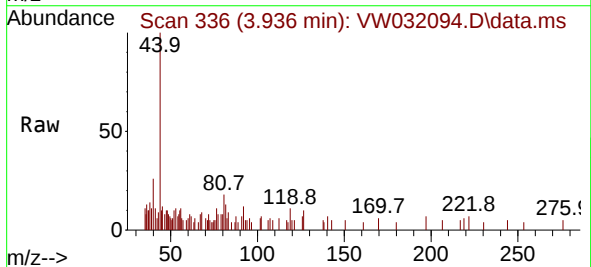
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MSVOA_W
ClientSampleId :

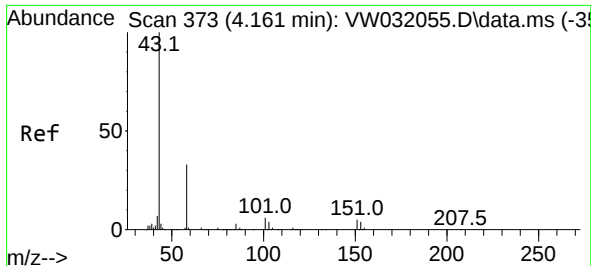
Tgt Ion:168 Resp: 137313
Ion Ratio Lower Upper
168 100
99 65.1 56.0 84.0



#13
Acrolein
Concen: 1.479 ug/l
RT: 3.936 min Scan# 336
Delta R.T. 0.006 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
55 101.7 55.4 83.2#

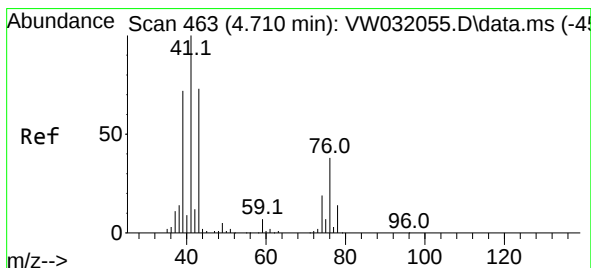
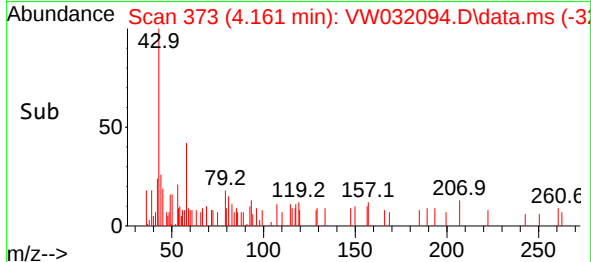
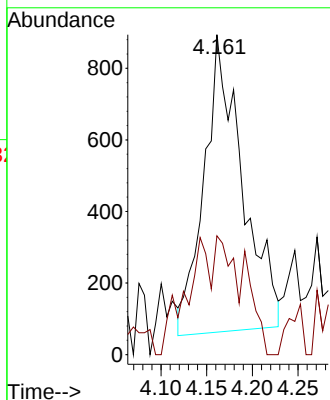
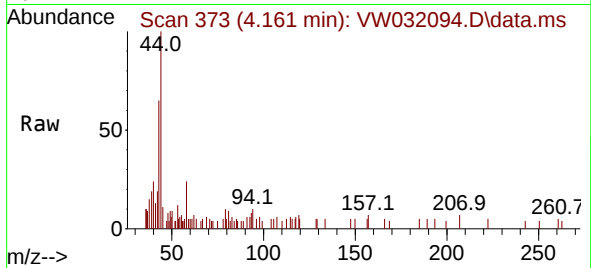




#16
Acetone
Concen: 5.248 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

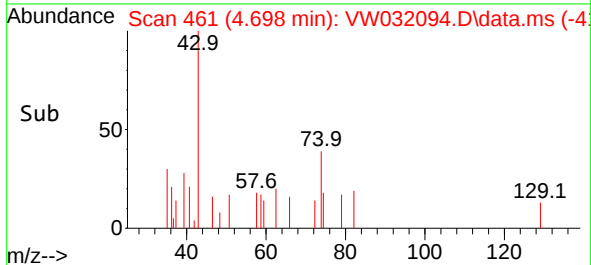
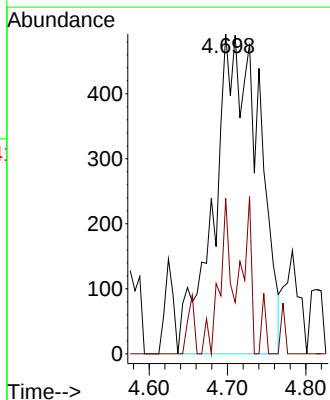
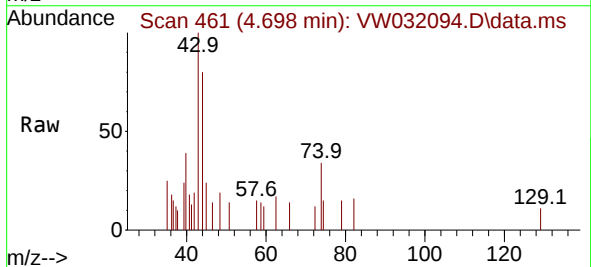
Instrument :
MSVOA_W
ClientSampleId :

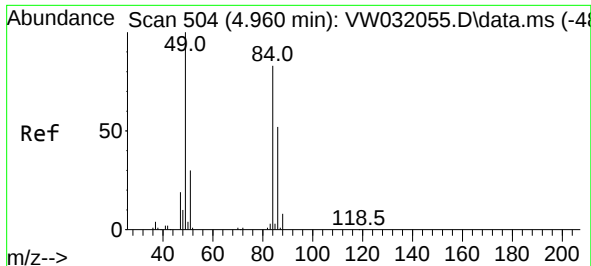
Tgt Ion: 43 Resp: 2413
Ion Ratio Lower Upper
43 100
58 43.5 26.6 39.8#



#18
Methyl Acetate
Concen: 1.375 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Tgt Ion: 43 Resp: 2001
Ion Ratio Lower Upper
43 100
74 12.4 20.6 31.0#

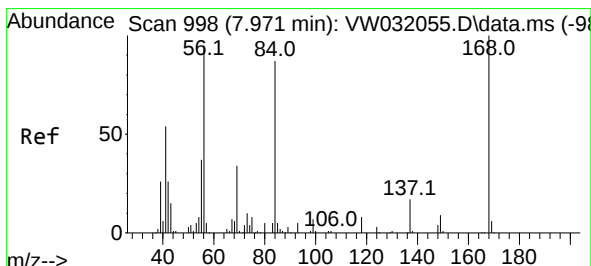
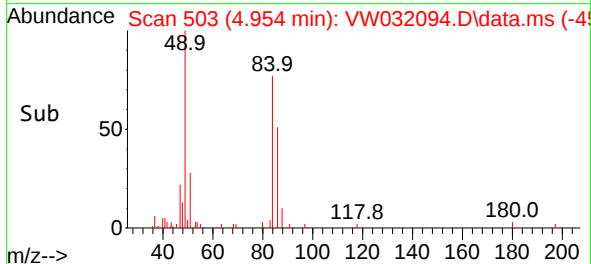
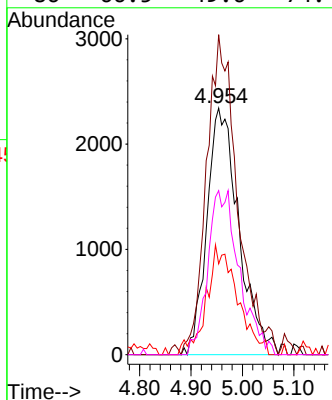
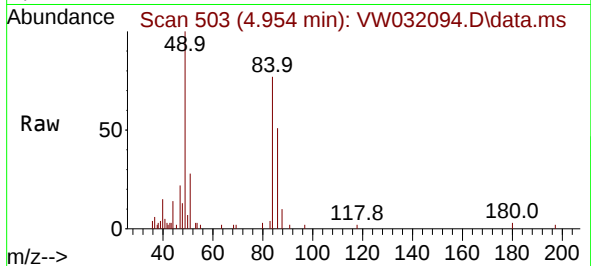




#20
Methylene Chloride
Concen: 4.754 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

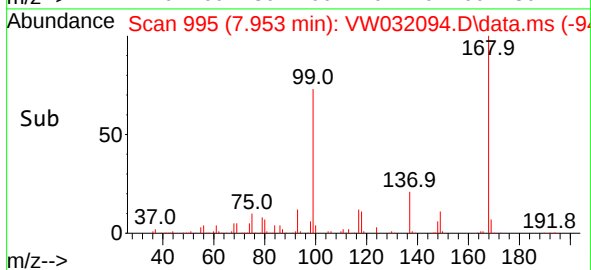
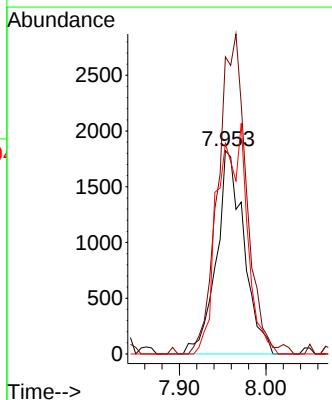
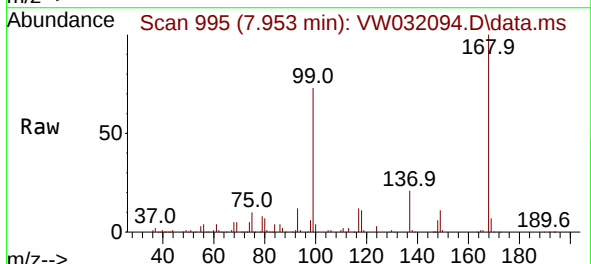
Instrument :
MSVOA_W
ClientSampleId :

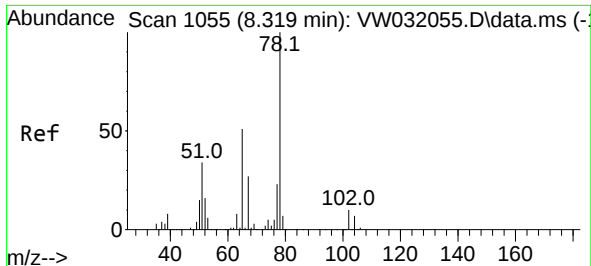
Tgt Ion: 84	Resp: 10107
Ion Ratio	Lower Upper
84 100	
49 129.8	95.9 143.9
51 36.9	28.6 43.0
86 66.5	49.6 74.4



#31
Cyclohexane
Concen: 1.419 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Tgt Ion: 56	Resp: 4017
Ion Ratio	Lower Upper
56 100	
69 146.2	28.6 42.8#
84 103.4	73.0 109.4

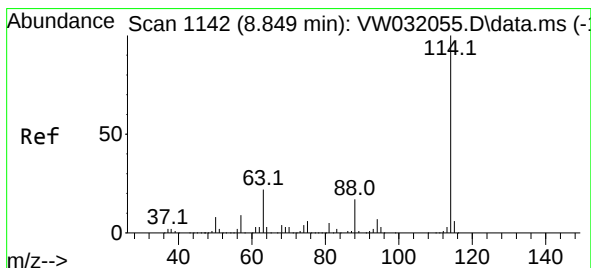
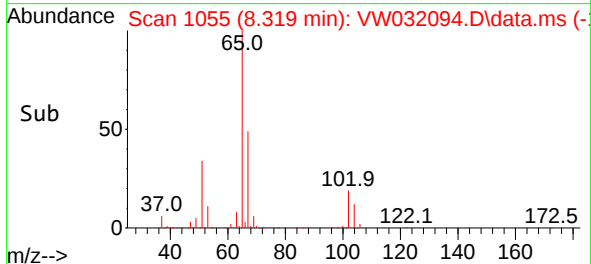
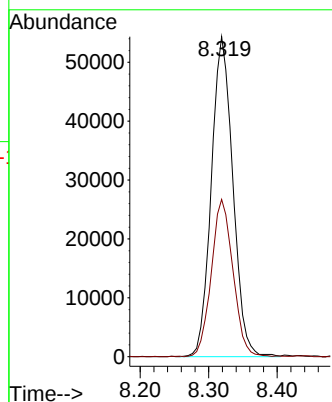
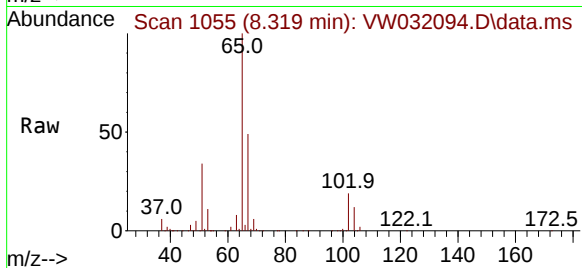




#33
 1,2-Dichloroethane-d4
 Concen: 59.802 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032094.D
 Acq: 14 Aug 2025 15:24

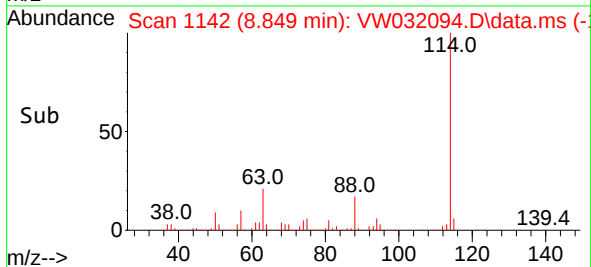
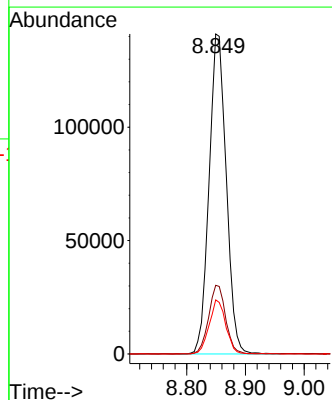
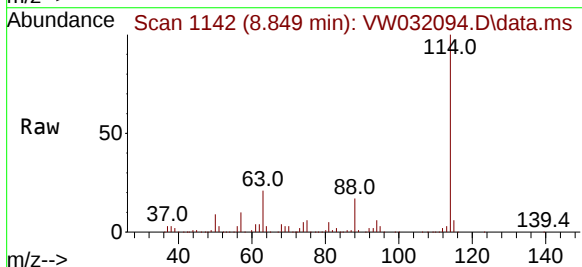
Instrument :
 MSVOA_W
 ClientSampleId :

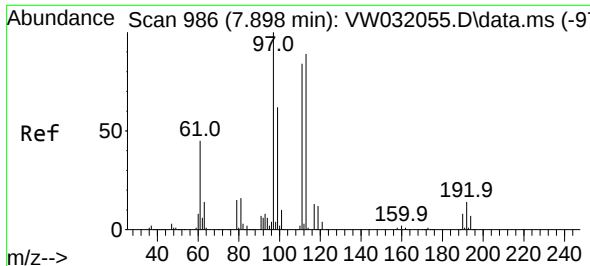
Tgt Ion: 65 Resp: 118763
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032094.D
 Acq: 14 Aug 2025 15:24

Tgt Ion: 114 Resp: 286341
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.0
 88 16.9 0.0 33.8

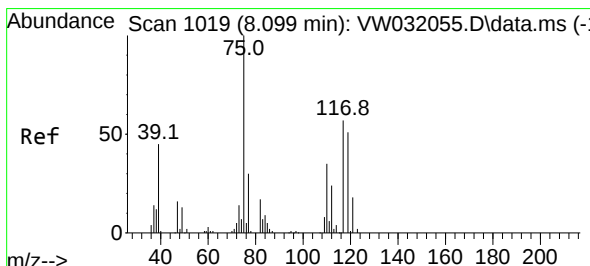
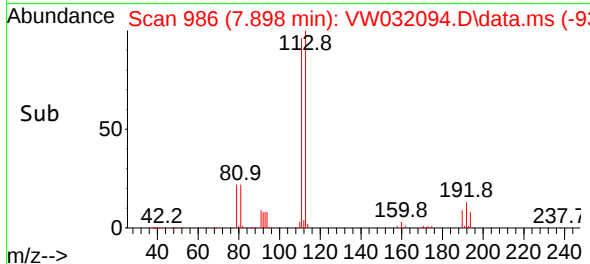
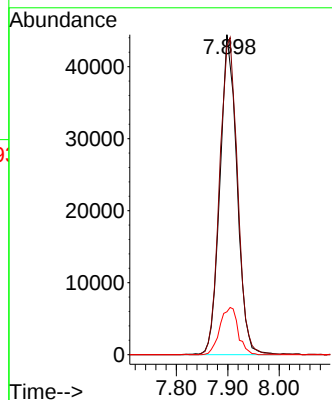
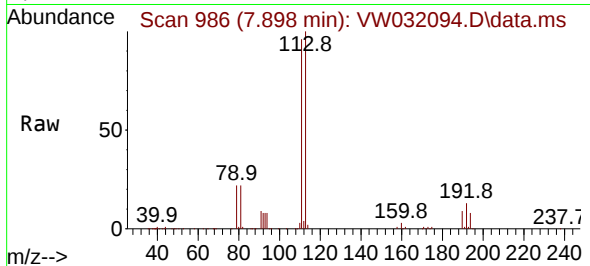




#35
Dibromofluoromethane
Concen: 55.278 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

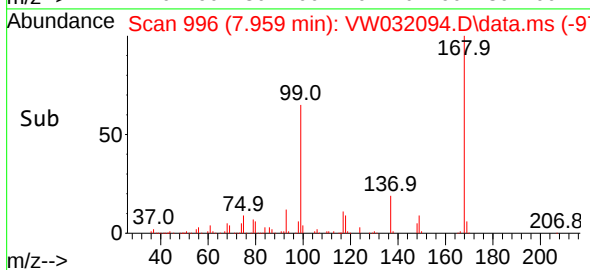
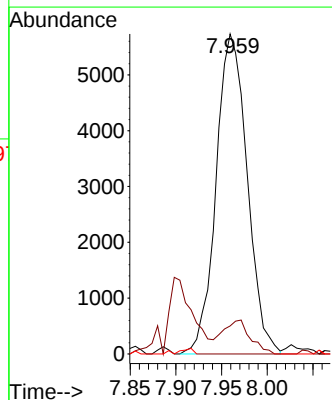
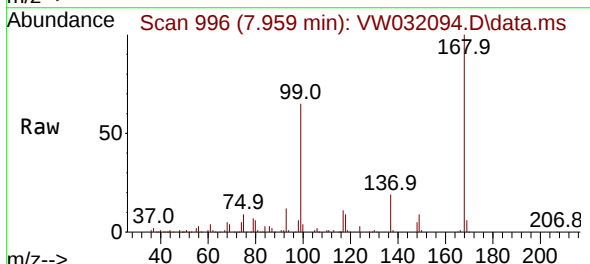
Instrument :
MSVOA_W
ClientSampleId :

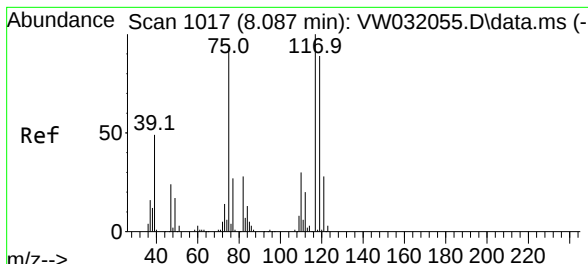
Tgt Ion:113 Resp: 102258
Ion Ratio Lower Upper
113 100
111 103.8 80.1 120.1
192 15.8 13.1 19.7



#36
1,1-Dichloropropene
Concen: 5.205 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

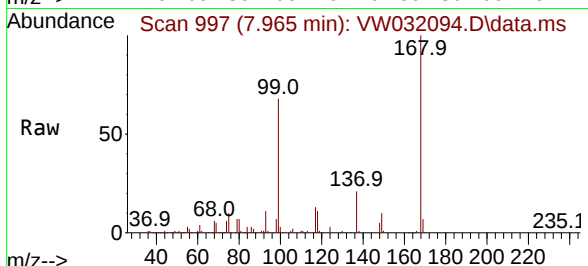
Tgt Ion: 75 Resp: 13574
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.2#
77 0.0 24.7 37.1#



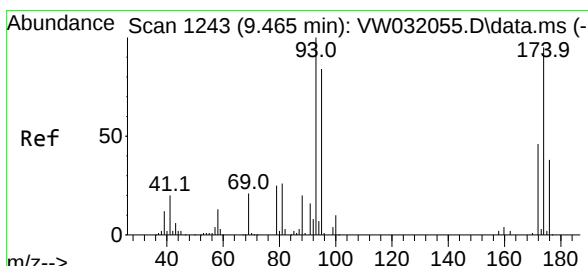
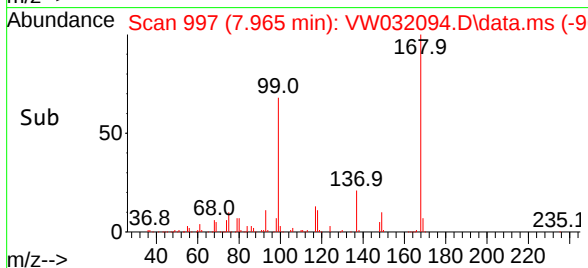
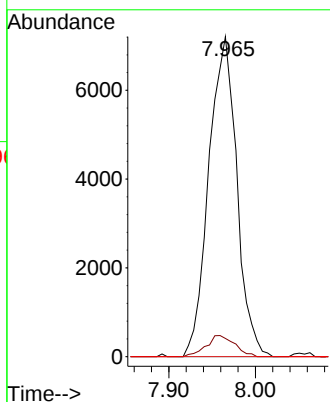


#38
Carbon Tetrachloride
Concen: 6.437 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :

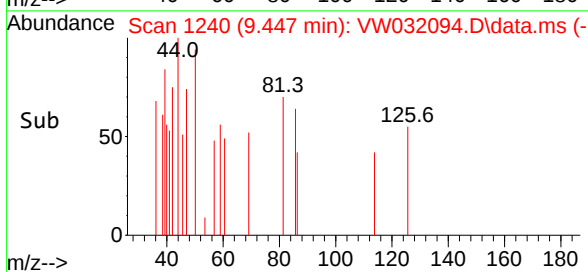
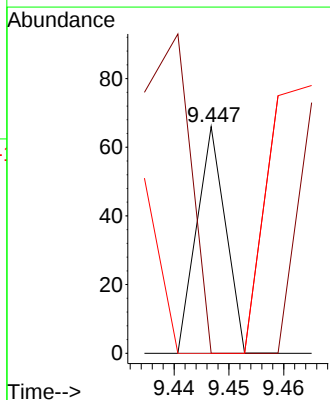
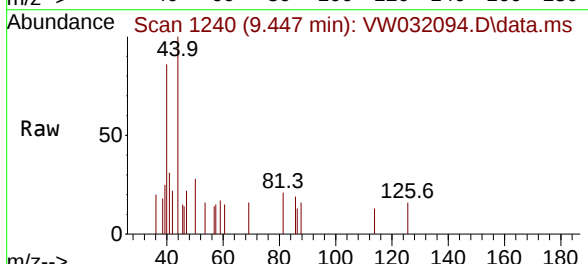


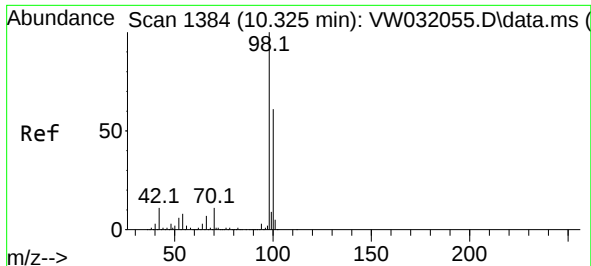
Tgt Ion:117 Resp: 16200
Ion Ratio Lower Upper
117 100
119 5.7 71.4 107.2#
121 0.0 22.3 33.5#



#49
1,4-Dioxane
Concen: 1.469 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. -0.018 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 645.8 20.6 30.8#
58 0.0 60.4 90.6#

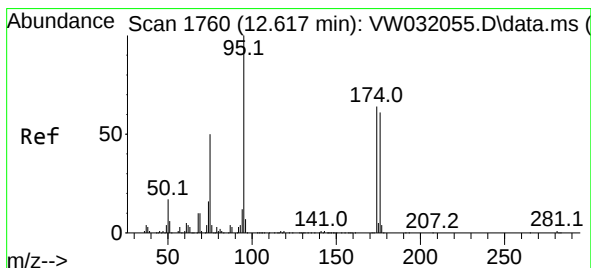
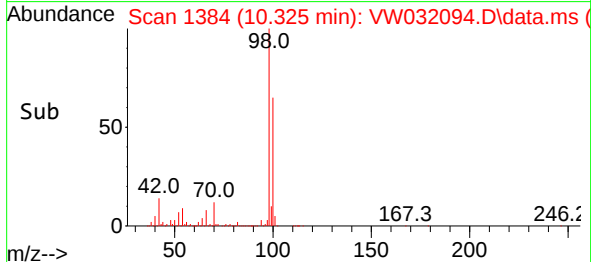
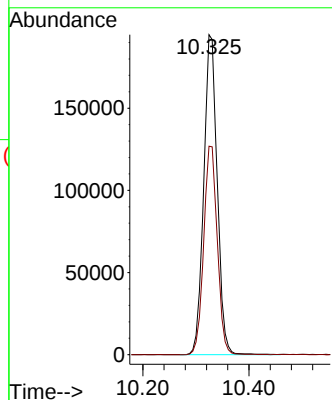
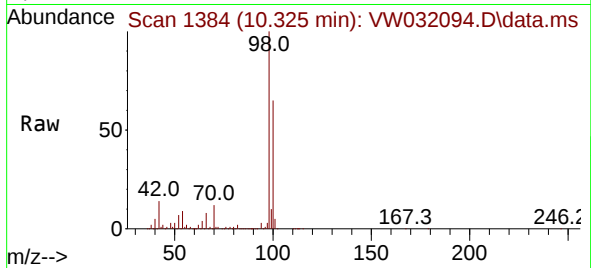




#50
Toluene-d8
Concen: 50.276 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

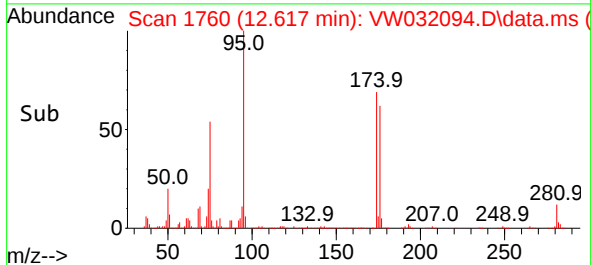
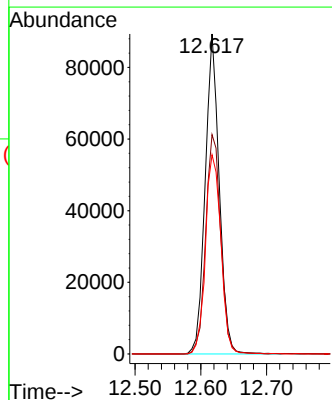
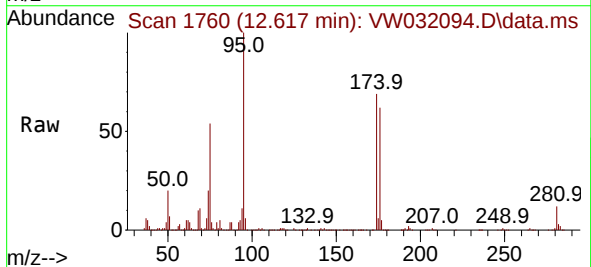
Instrument :
MSVOA_W
ClientSampleId :

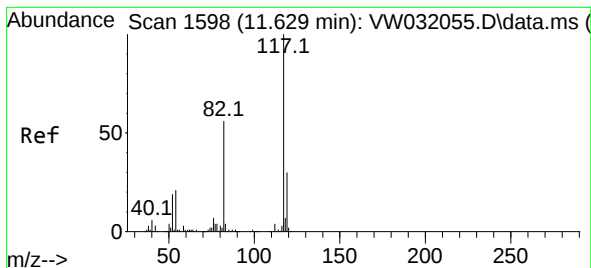
Tgt Ion: 98 Resp: 343997
Ion Ratio Lower Upper
98 100
100 65.6 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 52.662 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Tgt Ion: 95 Resp: 132784
Ion Ratio Lower Upper
95 100
174 73.6 0.0 129.0
176 68.2 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: VW032094.D

Acq: 14 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

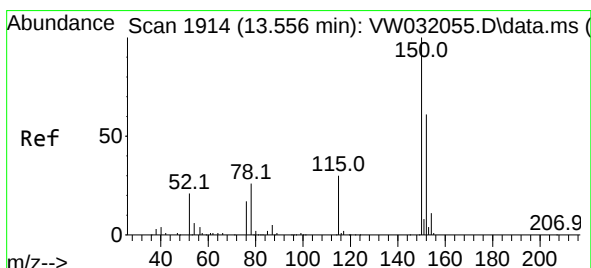
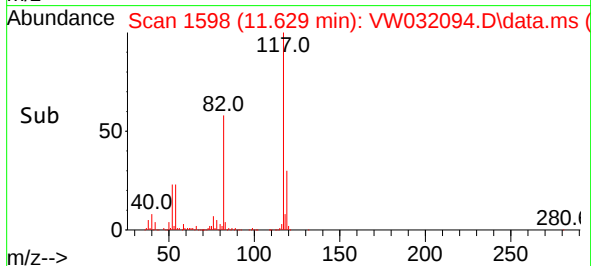
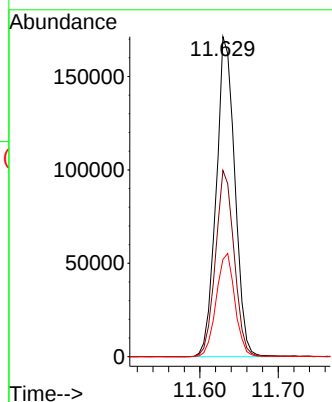
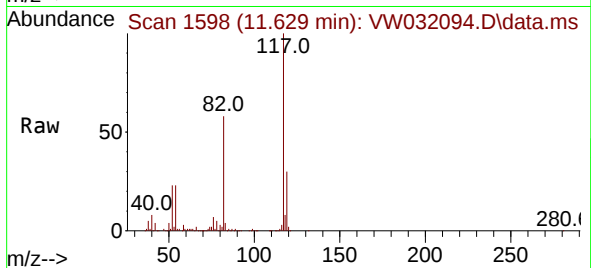
Tgt Ion:117 Resp: 284239

Ion Ratio Lower Upper

117 100

82 58.2 45.0 67.4

119 30.4 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: VW032094.D

Acq: 14 Aug 2025 15:24

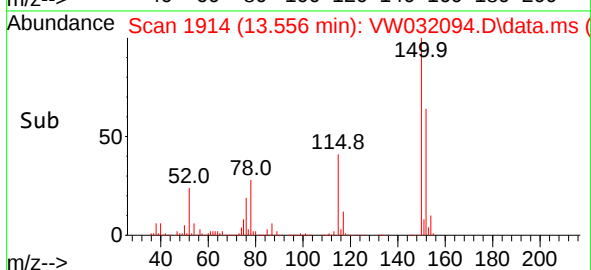
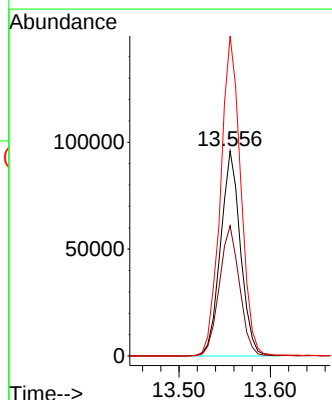
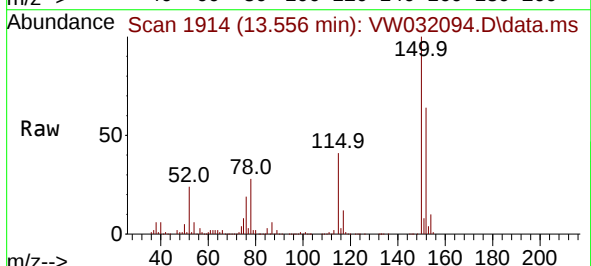
Tgt Ion:152 Resp: 145639

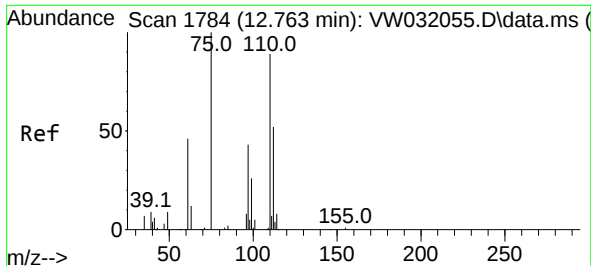
Ion Ratio Lower Upper

152 100

115 64.5 32.6 97.8

150 159.1 0.0 359.4

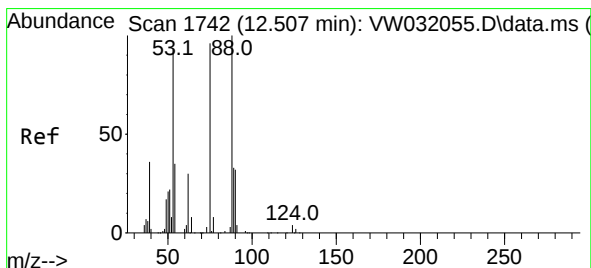
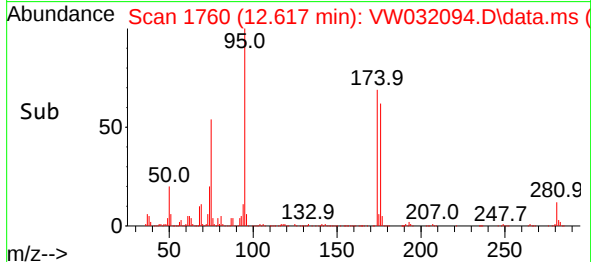
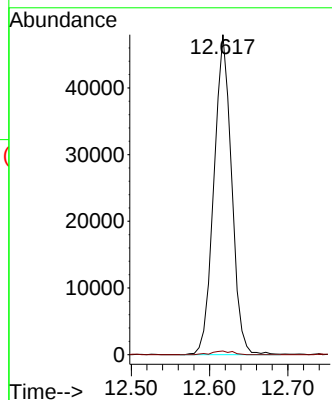
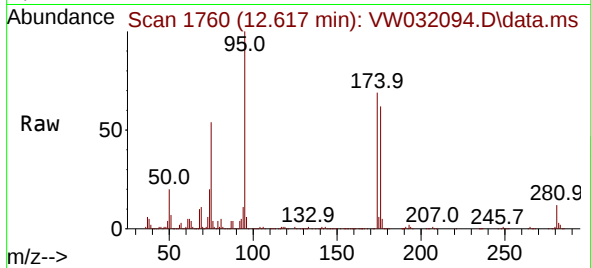




#76
1,2,3-Trichloropropane
Concen: 38.129 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 75368
Ion Ratio Lower Upper
75 100
77 1.4 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.712 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032094.D
Acq: 14 Aug 2025 15:24

Tgt Ion: 75 Resp: 75368
Ion Ratio Lower Upper
75 100
53 0.3 81.0 121.6#
89 0.3 37.3 55.9#

