

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
 Data File : VD080478.D
 Acq On : 26 Jun 2025 12:49
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 27 05:18:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:16:36 2025
 Response via : Initial Calibration

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

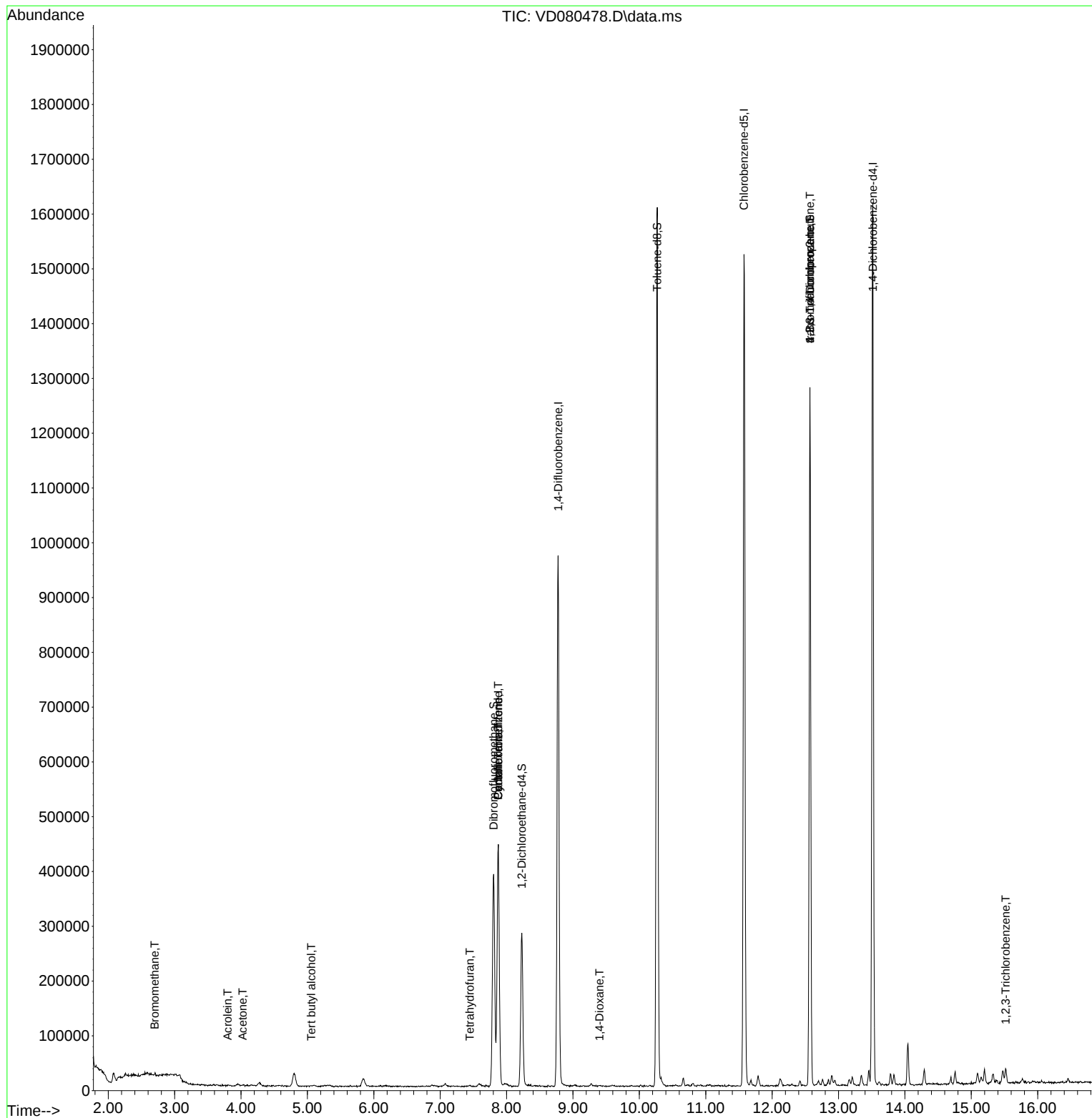
Internal Standards						
1) Pentafluorobenzene	7.876	168	341091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	892819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	907887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	450550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	214201	64.057	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.120%	
35) Dibromofluoromethane	7.805	113	294213	58.849	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.700%	
50) Toluene-d8	10.270	98	1147402	56.811	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.620%	
62) 4-Bromofluorobenzene	12.570	95	444806	67.167	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 134.340%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.700	94	2913	1.227	ug/l	83
11) Tert butyl alcohol	5.058	59	284	1.043	ug/l #	71
13) Acrolein	3.800	56	2335	6.293	ug/l #	68
16) Acetone	4.023	43	3797	4.395	ug/l	89
29) Tetrahydrofuran	7.447	42	1154	1.445	ug/l #	65
31) Cyclohexane	7.876	56	9159	1.234	ug/l #	1
38) Carbon Tetrachloride	7.876	117	34674	4.648	ug/l #	16
49) 1,4-Dioxane	9.399	88	56	1.332	ug/l #	1
76) 1,2,3-Trichloropropane	12.570	75	218592	57.075	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	218592	84.812	ug/l #	19
96) 1,2,3-Trichlorobenzene	15.517	180	8317	1.158	ug/l	92

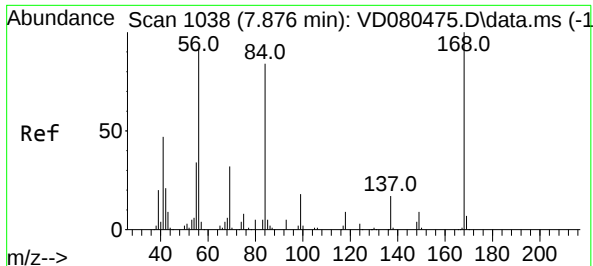
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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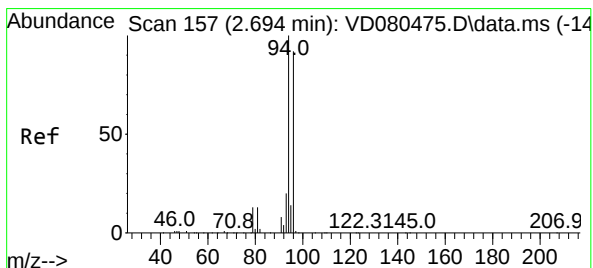
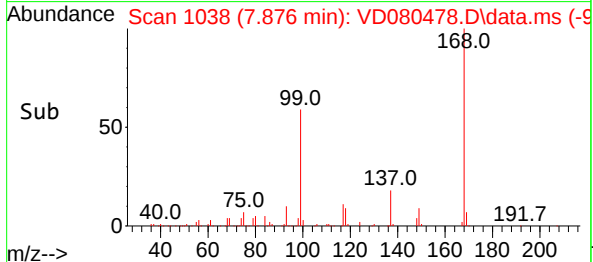
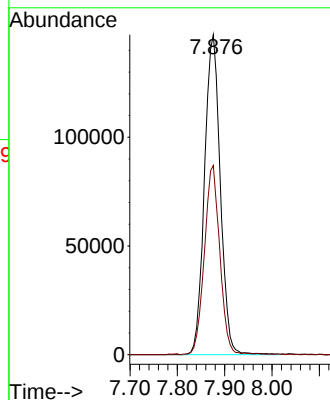
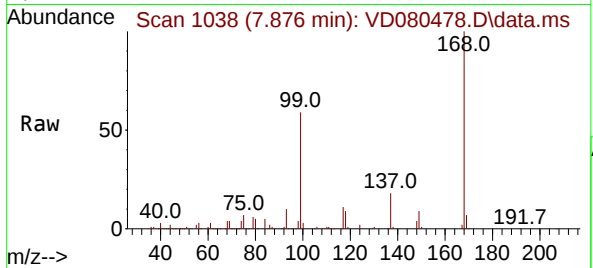




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

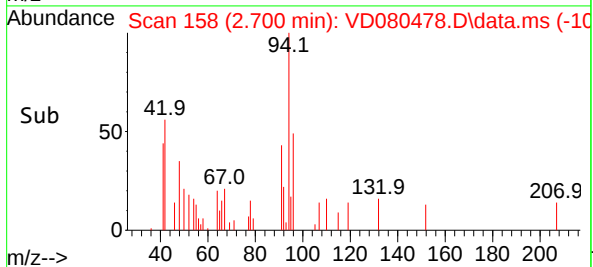
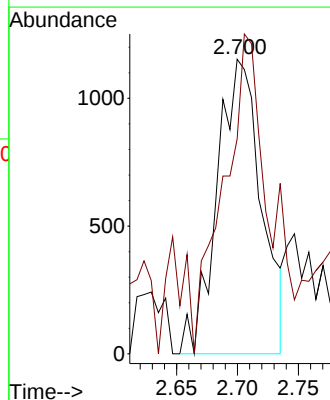
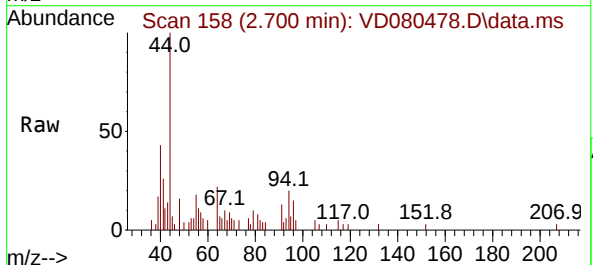
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

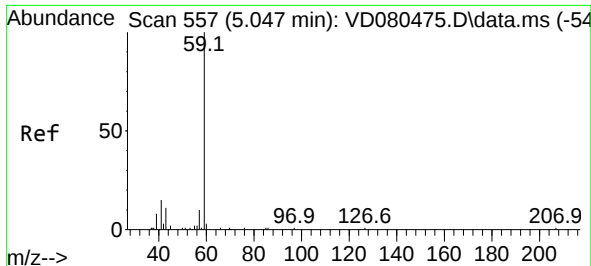
Tgt Ion:168 Resp: 341091
Ion Ratio Lower Upper
168 100
99 59.2 45.8 68.8



#5
Bromomethane
Concen: 1.227 ug/l
RT: 2.700 min Scan# 158
Delta R.T. 0.006 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

Tgt Ion: 94 Resp: 2913
Ion Ratio Lower Upper
94 100
96 109.6 74.8 112.2





#11

Tert butyl alcohol

Concen: 1.043 ug/l

RT: 5.058 min Scan# 51

Delta R.T. 0.012 min

Lab File: VD080478.D

Acq: 26 Jun 2025 12:49

Instrument :

MSVOA_D

ClientSampleId :

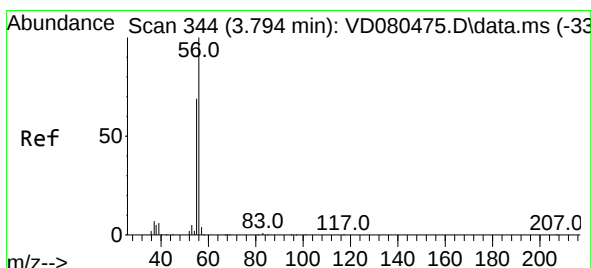
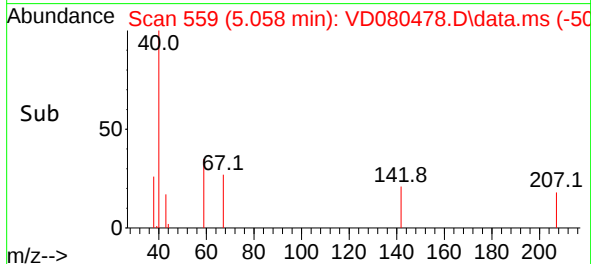
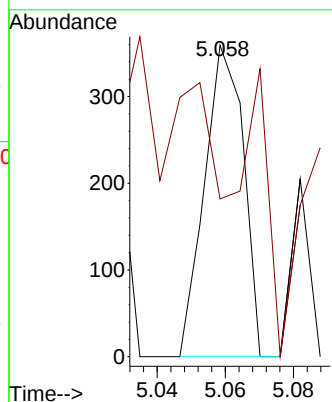
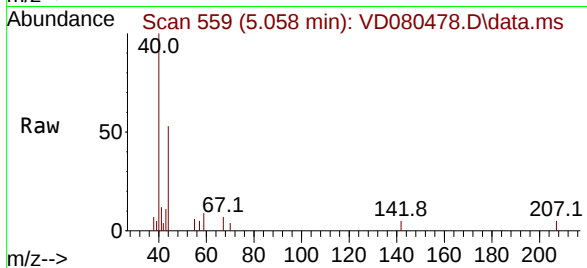
VIBLK

Tgt Ion: 59 Resp: 284

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#13

Acrolein

Concen: 6.293 ug/l

RT: 3.800 min Scan# 345

Delta R.T. 0.006 min

Lab File: VD080478.D

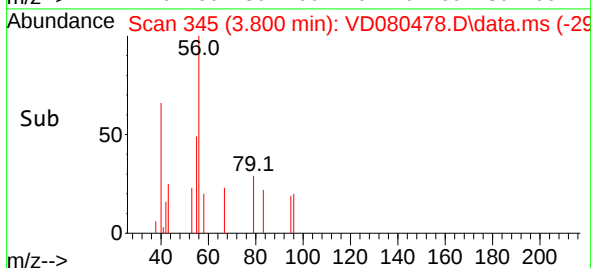
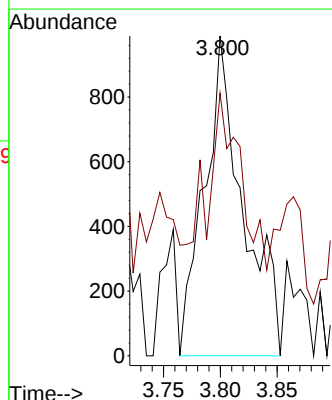
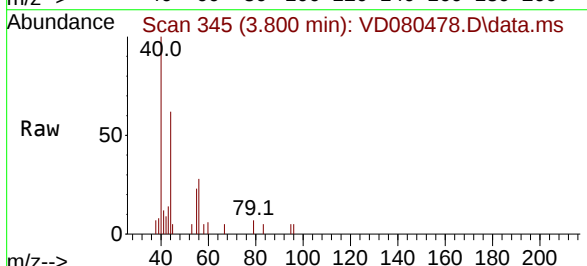
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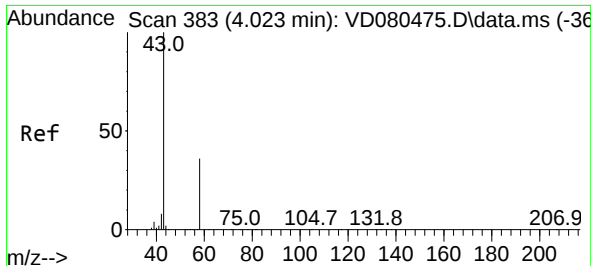
Tgt Ion: 56 Resp: 2335

Ion Ratio Lower Upper

56 100

55 44.3 56.2 84.2#

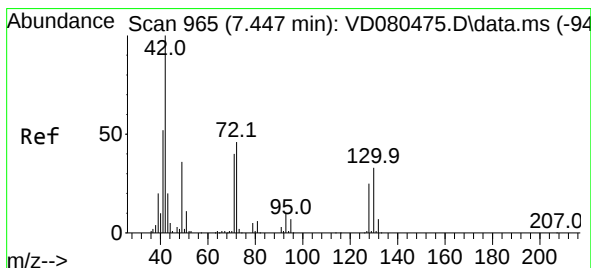
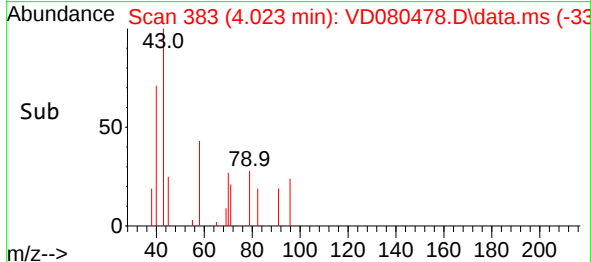
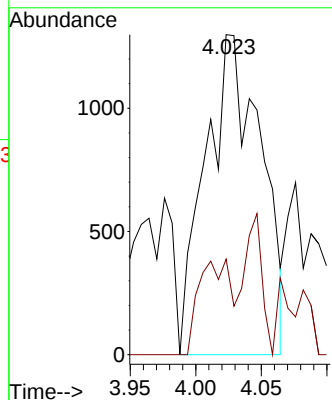
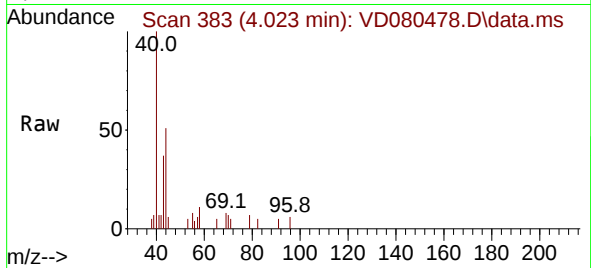




#16
Acetone
Concen: 4.395 ug/l
RT: 4.023 min Scan# 383
Delta R.T. -0.000 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

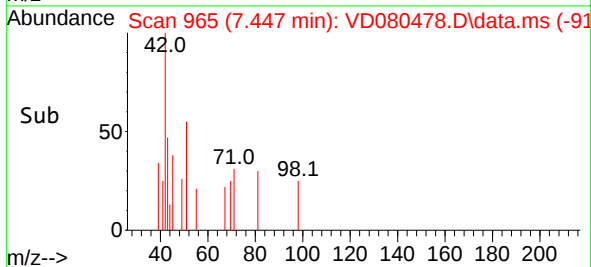
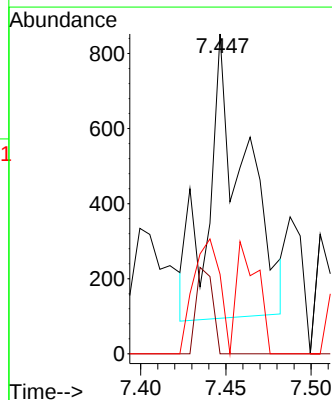
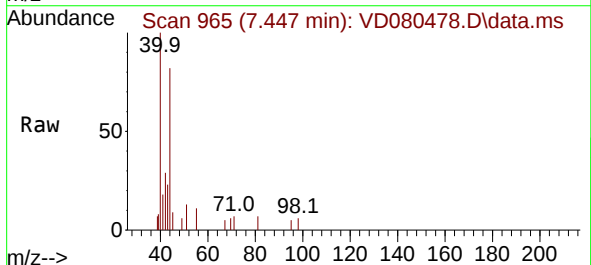
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

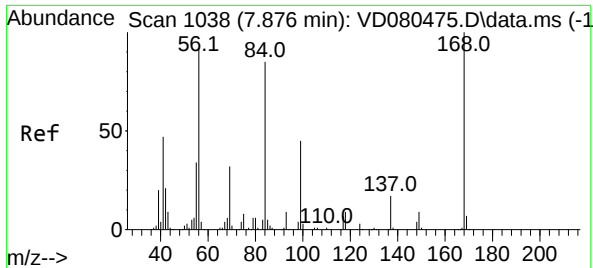
Tgt Ion: 43 Resp: 3797
Ion Ratio Lower Upper
43 100
58 29.9 29.0 43.4



#29
Tetrahydrofuran
Concen: 1.445 ug/l
RT: 7.447 min Scan# 965
Delta R.T. -0.000 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

Tgt Ion: 42 Resp: 1154
Ion Ratio Lower Upper
42 100
72 13.3 35.9 53.9#
71 28.9 33.2 49.8#

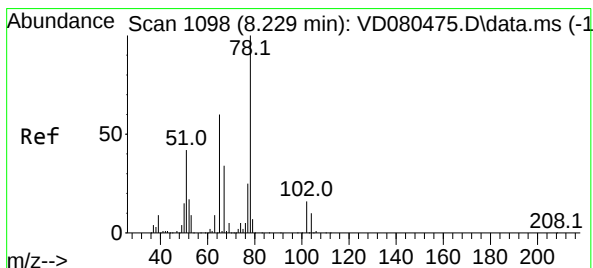
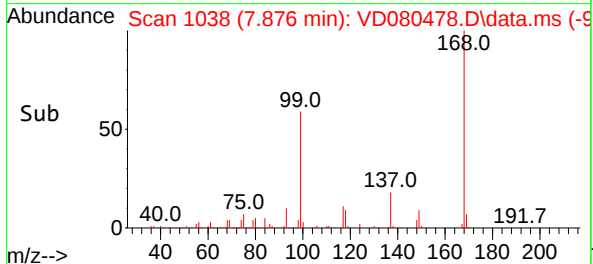
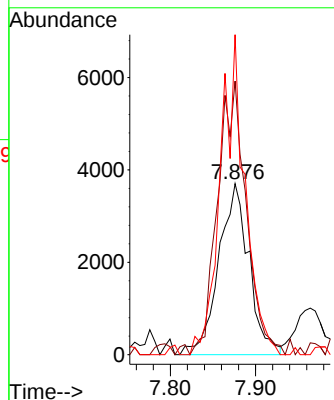
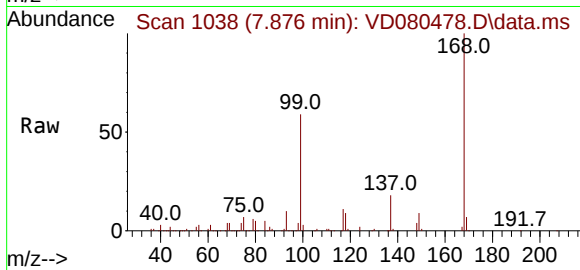




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

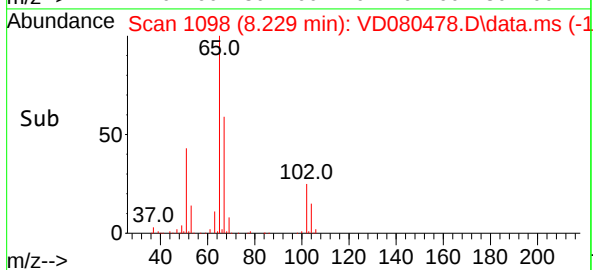
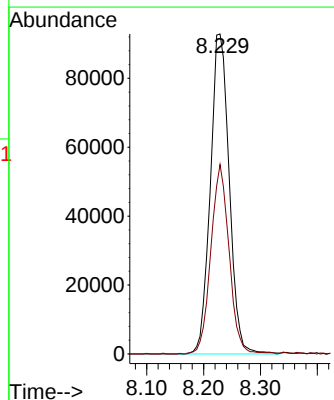
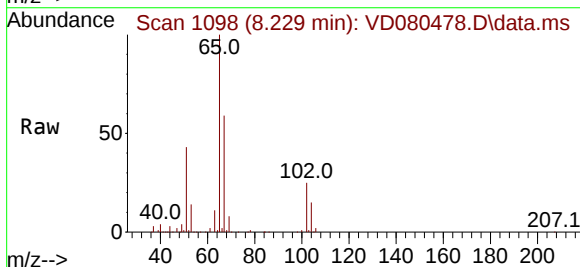
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

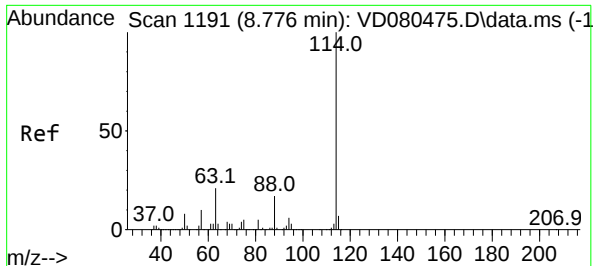
Tgt Ion: 56 Resp: 9159
Ion Ratio Lower Upper
56 100
69 155.4 28.1 42.1#
84 187.1 73.7 110.5#



#33
1,2-Dichloroethane-d4
Concen: 64.057 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. -0.000 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

Tgt Ion: 65 Resp: 214201
Ion Ratio Lower Upper
65 100
67 57.2 0.0 113.4

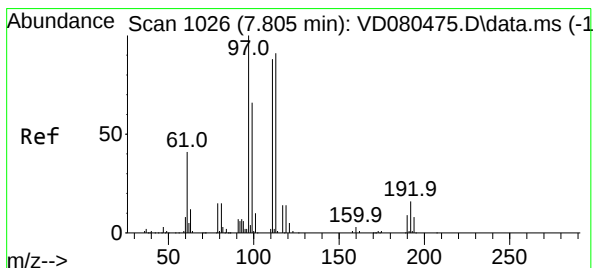
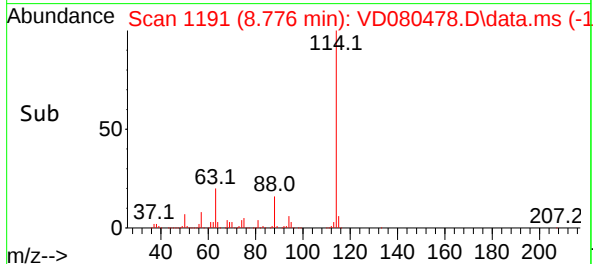
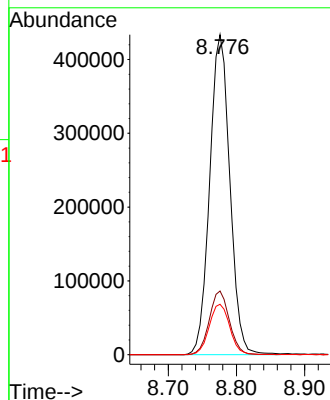
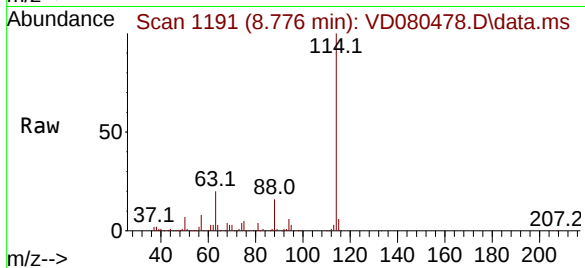




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

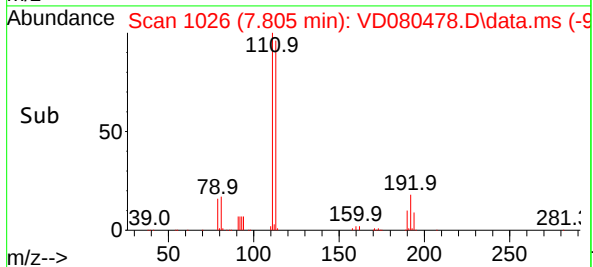
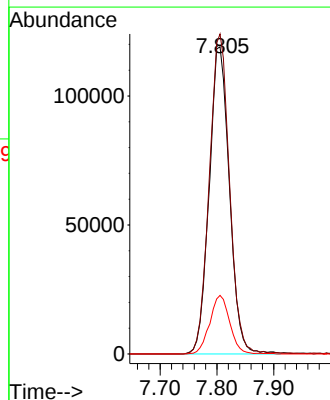
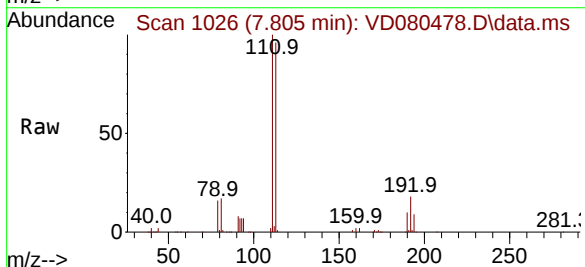
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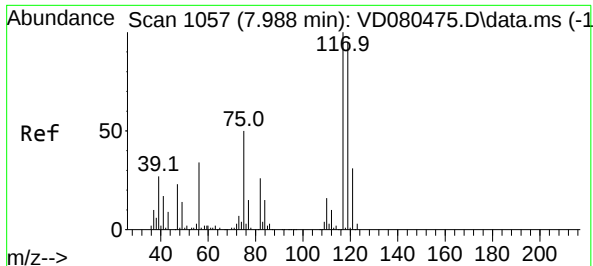
Tgt Ion:114 Resp: 892819
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.0
88 15.8 0.0 33.8



#35
Dibromofluoromethane
Concen: 58.849 ug/l
RT: 7.805 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

Tgt Ion:113 Resp: 294213
Ion Ratio Lower Upper
113 100
111 104.0 82.5 123.7
192 18.9 15.0 22.6

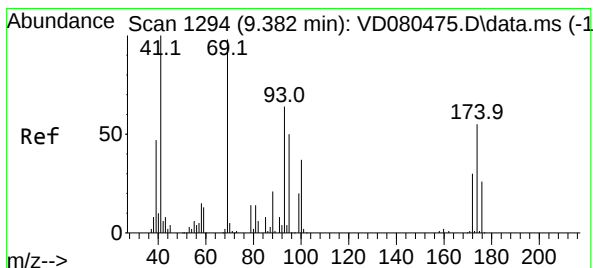
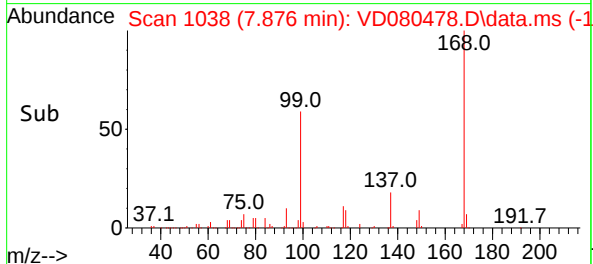
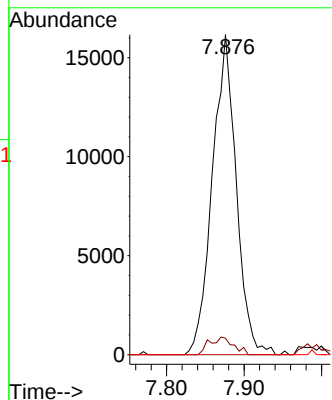
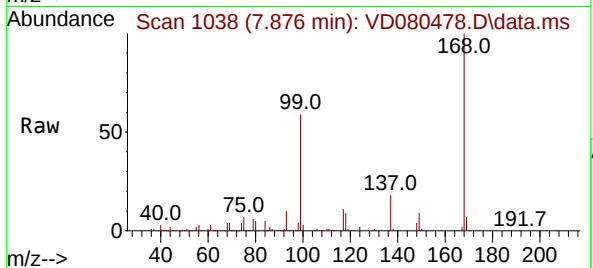




#38
Carbon Tetrachloride
Concen: 4.648 ug/l
RT: 7.876 min Scan# 1057
Delta R.T. -0.112 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

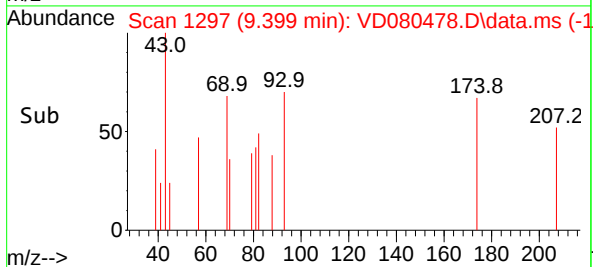
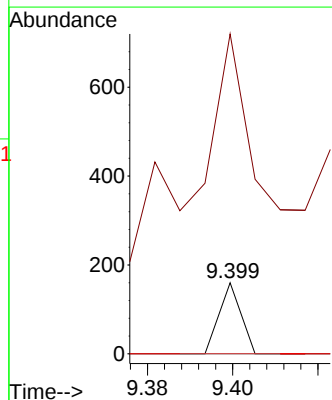
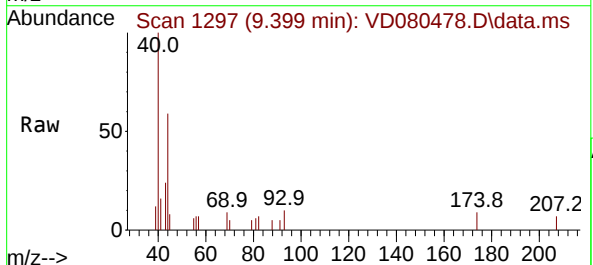
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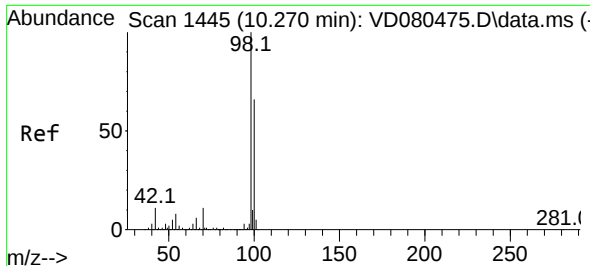
Tgt Ion:117 Resp: 34674
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.332 ug/l
RT: 9.399 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 912.5 26.7 40.1#
58 0.0 56.4 84.6#

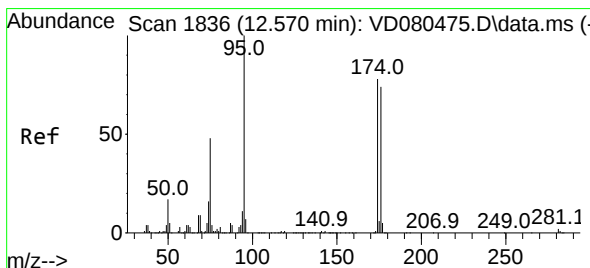
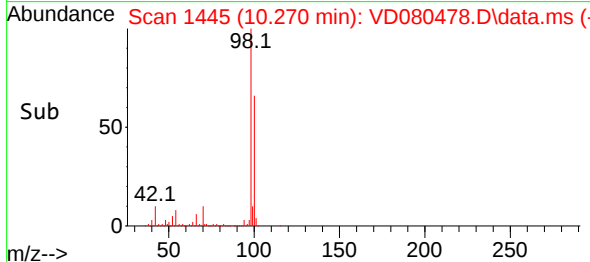
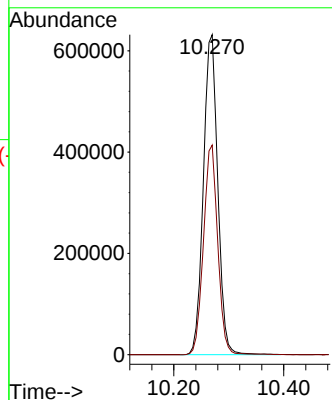
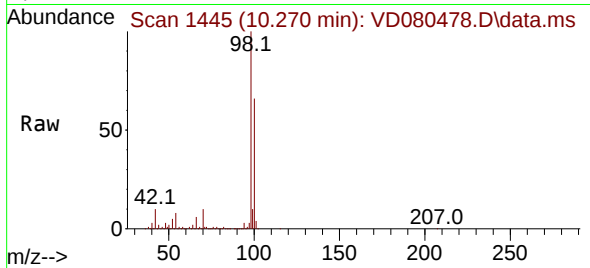




#50
Toluene-d8
Concen: 56.811 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

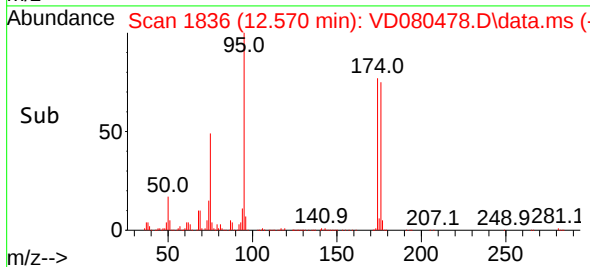
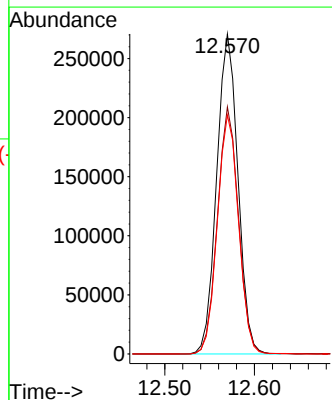
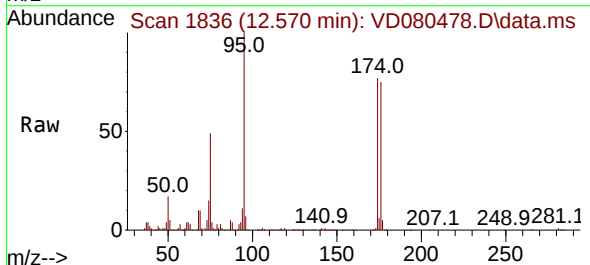
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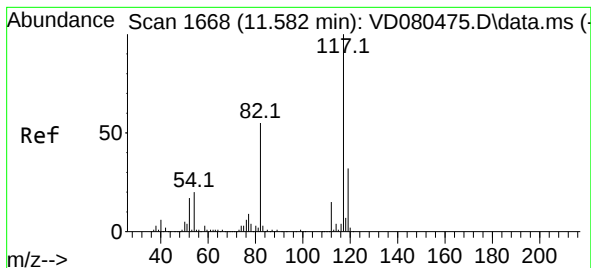
Tgt Ion: 98 Resp: 1147402
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 67.167 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

Tgt Ion: 95 Resp: 444806
Ion Ratio Lower Upper
95 100
174 76.6 0.0 154.0
176 74.4 0.0 149.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.576 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD080478.D

Acq: 26 Jun 2025 12:49

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

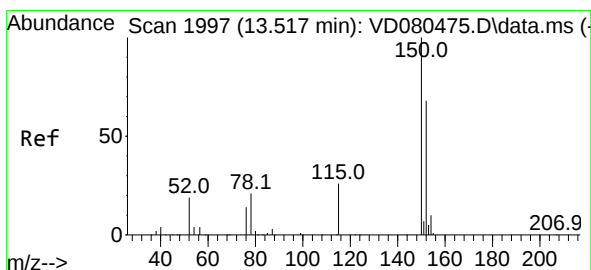
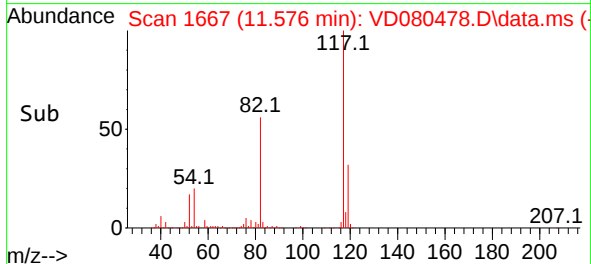
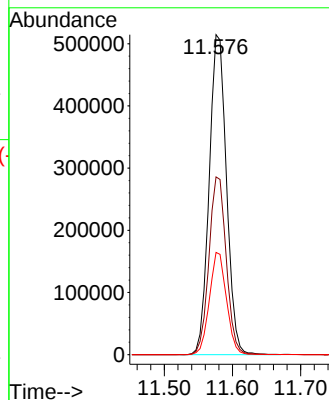
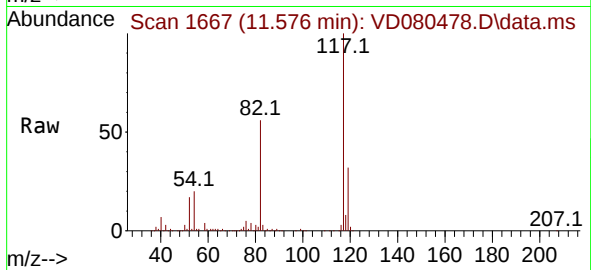
Tgt Ion:117 Resp: 907887

Ion Ratio Lower Upper

117 100

82 55.5 43.7 65.5

119 32.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.517 min Scan# 1997

Delta R.T. -0.000 min

Lab File: VD080478.D

Acq: 26 Jun 2025 12:49

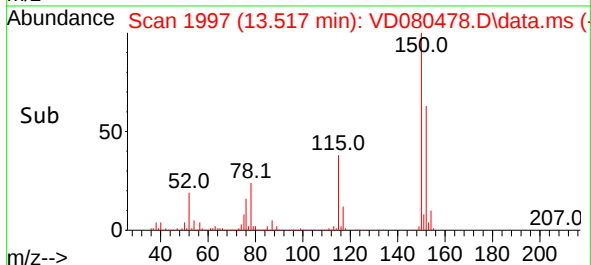
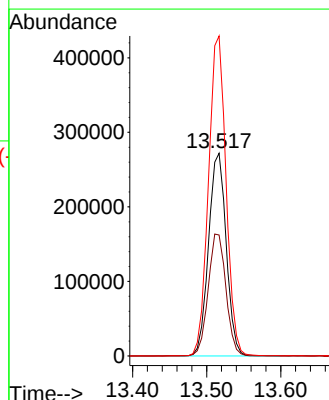
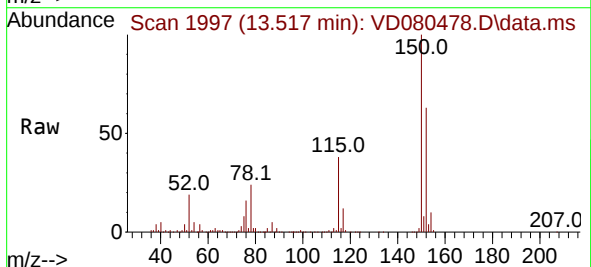
Tgt Ion:152 Resp: 450550

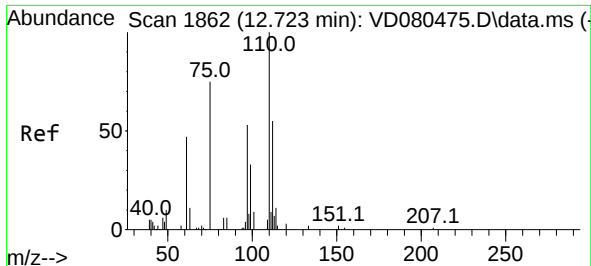
Ion Ratio Lower Upper

152 100

115 60.6 30.2 90.6

150 156.9 0.0 350.2

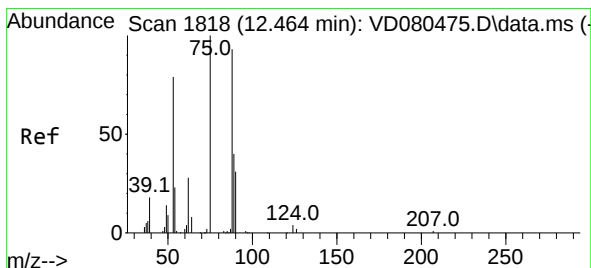
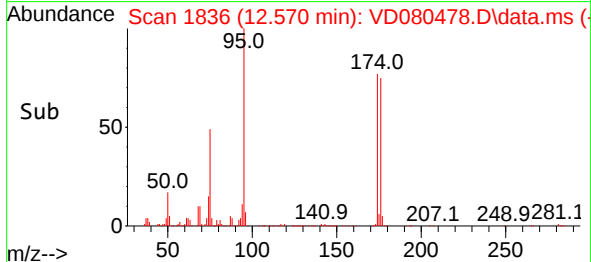
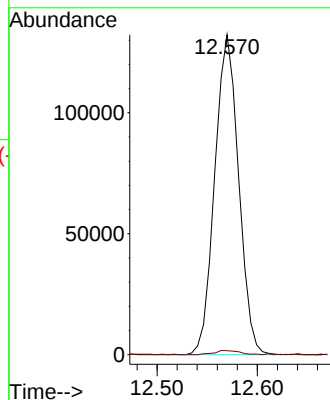
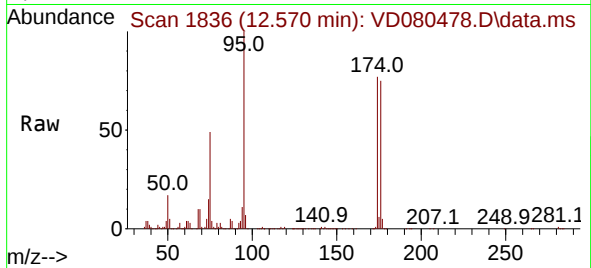




#76
1,2,3-Trichloropropane
Concen: 57.075 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.153 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

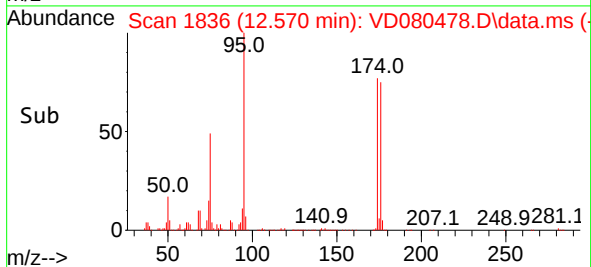
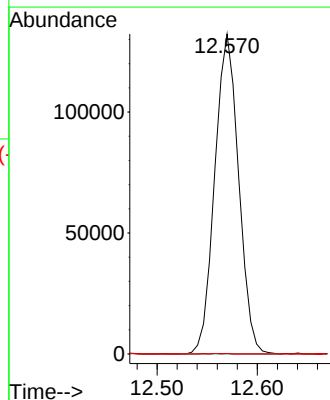
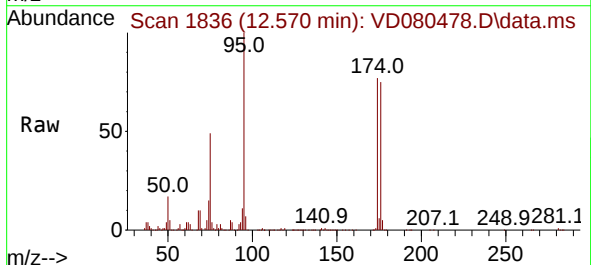
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

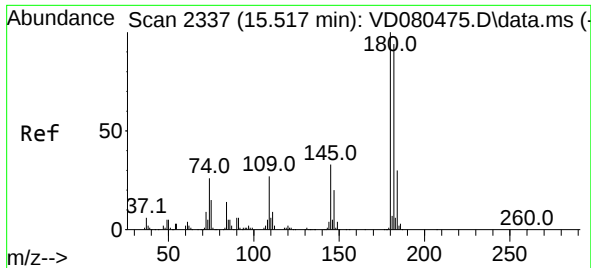
Tgt Ion: 75 Resp: 218592
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.812 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.106 min
Lab File: VD080478.D
Acq: 26 Jun 2025 12:49

Tgt Ion: 75 Resp: 218592
Ion Ratio Lower Upper
75 100
53 0.1 61.5 92.3#
89 0.1 33.0 49.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.158 ug/l
 RT: 15.517 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD080478.D
 Acq: 26 Jun 2025 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.2	47.3	141.9
145	26.7	16.7	50.1

