

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080321.D
 Acq On : 14 May 2025 14:38
 Operator : RP/MD
 Sample : Q2004-07
 Misc : 4.23G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 205510

Quant Time: May 15 03:35:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

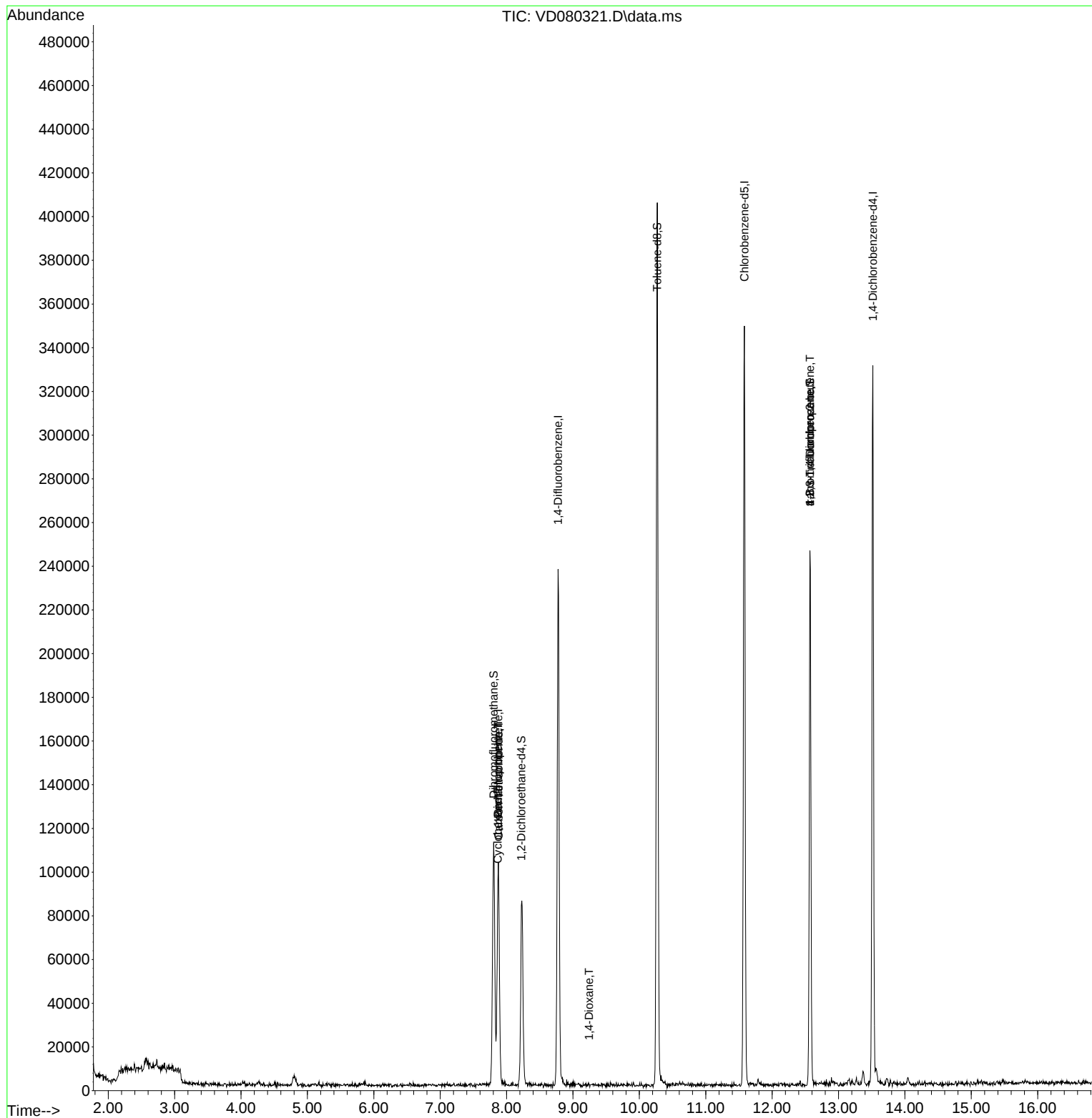
Internal Standards						
1) Pentafluorobenzene	7.876	168	75644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	197685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	196213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	88845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.223	65	68848	70.382	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.760%	
35) Dibromofluoromethane	7.806	113	78408	59.178	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.360%	
50) Toluene-d8	10.270	98	276309	52.928	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.860%	
62) 4-Bromofluorobenzene	12.570	95	75944	45.323	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.640%	
Target Compounds						
2) Dichlorodifluoromethane	1.935	85	96	Below Cal	#	43
3) Chloromethane	2.147	50	999	Below Cal	#	73
16) Acetone	4.023	43	2707	Below Cal		91
20) Methylene Chloride	4.800	84	1606	Below Cal		97
31) Cyclohexane	7.864	56	2528	1.591	ug/l #	44
36) 1,1-Dichloropropene	7.870	75	6504	3.285	ug/l #	42
38) Carbon Tetrachloride	7.882	117	7246	3.509	ug/l #	19
49) 1,4-Dioxane	9.241	88	57	5.534	ug/l #	1
76) 1,2,3-Trichloropropane	12.570	75	39515	46.083	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	39515	87.474	ug/l #	15

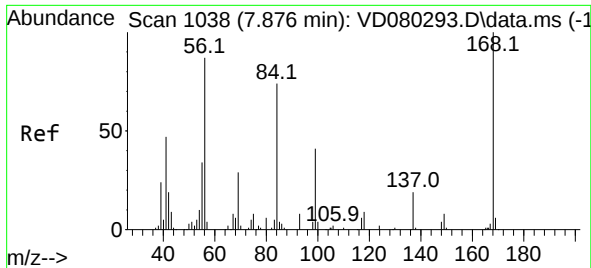
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080321.D
Acq On : 14 May 2025 14:38
Operator : RP/MD
Sample : Q2004-07
Misc : 4.23G/10ml/MSVOA_D/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
205510

Quant Time: May 15 03:35:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

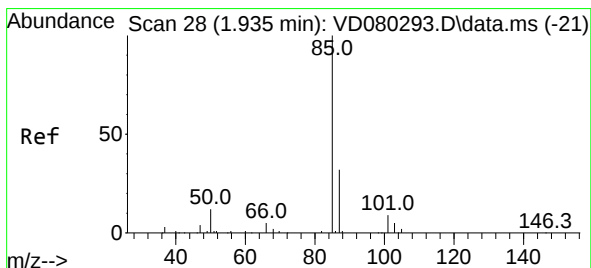
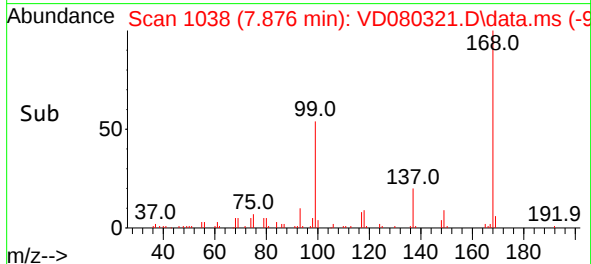
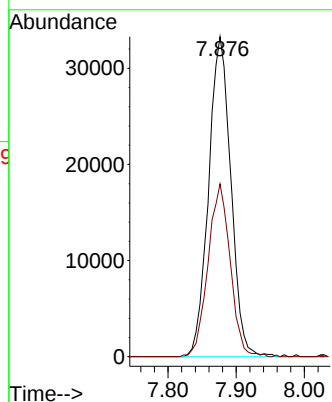
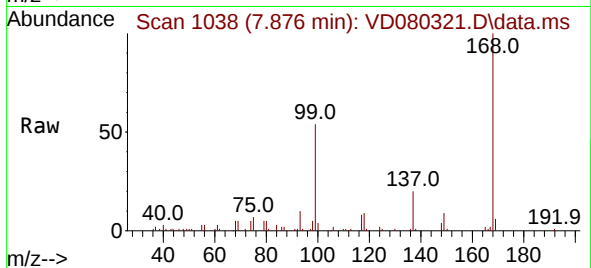




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

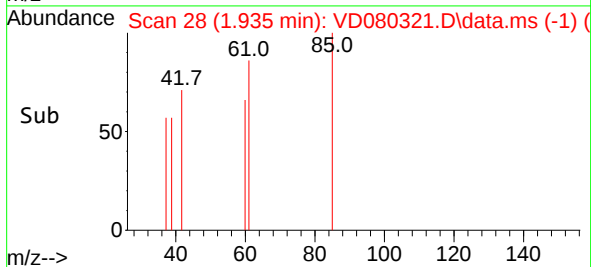
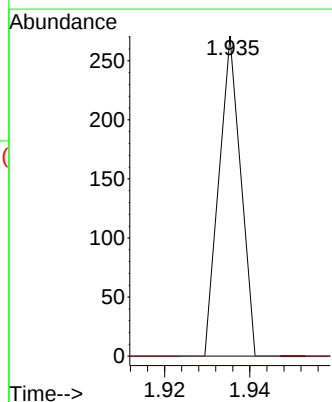
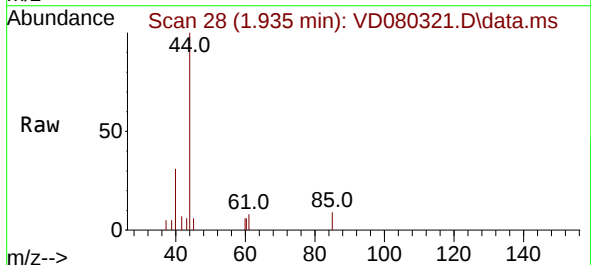
Instrument :
MSVOA_D
ClientSampleId :
205510

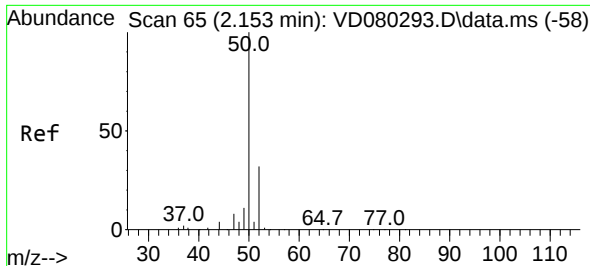
Tgt Ion:168 Resp: 75644
Ion Ratio Lower Upper
168 100
99 54.0 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.935 min Scan# 28
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

Tgt Ion: 85 Resp: 96
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

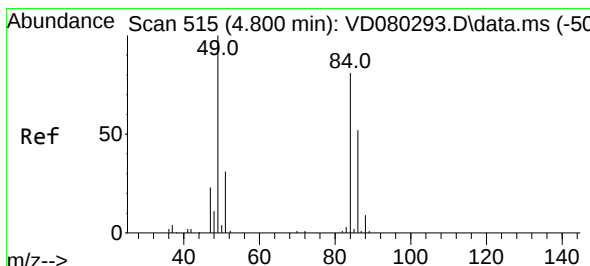
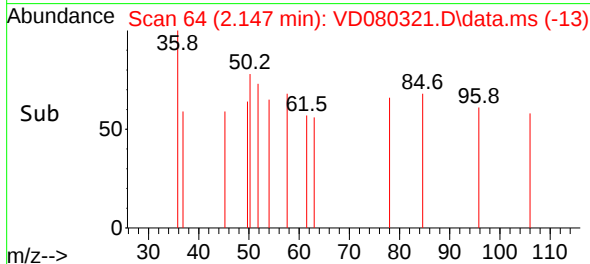
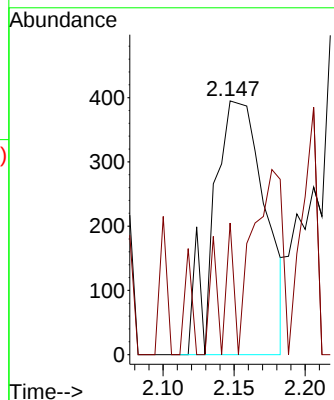
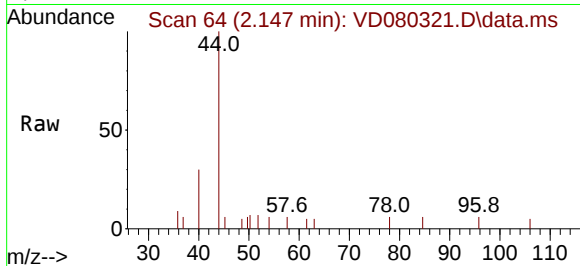




#3
Chloromethane
Concen: Below Cal
RT: 2.147 min Scan# 64
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

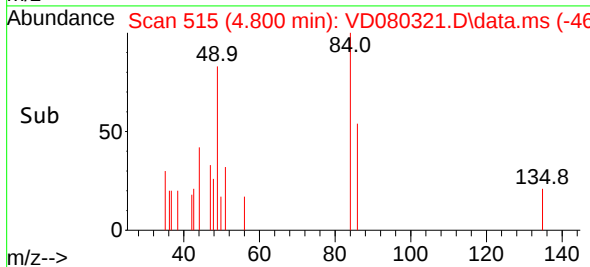
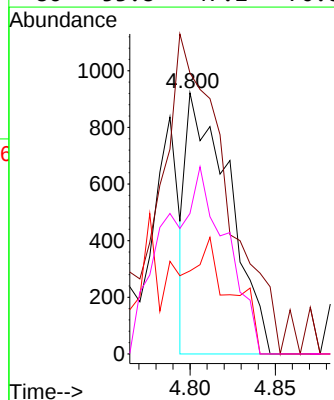
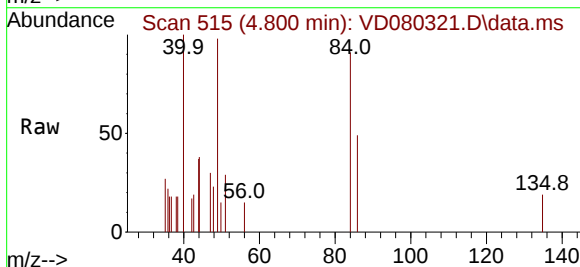
Instrument :
MSVOA_D
ClientSampleId :
205510

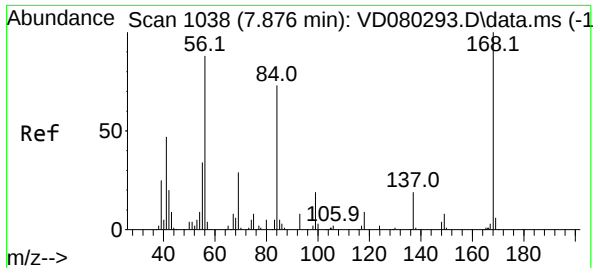
Tgt Ion: 50 Resp: 999
Ion Ratio Lower Upper
50 100
52 51.9 28.8 43.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

Tgt Ion: 84 Resp: 1606
Ion Ratio Lower Upper
84 100
49 107.6 86.5 129.7
51 31.8 26.9 40.3
86 53.8 47.2 70.8

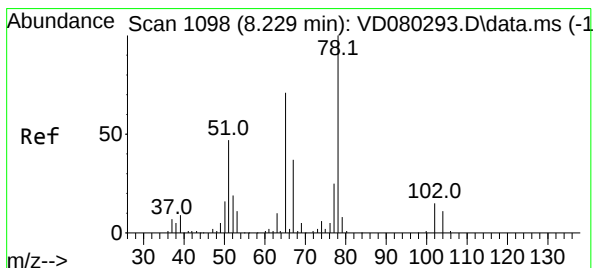
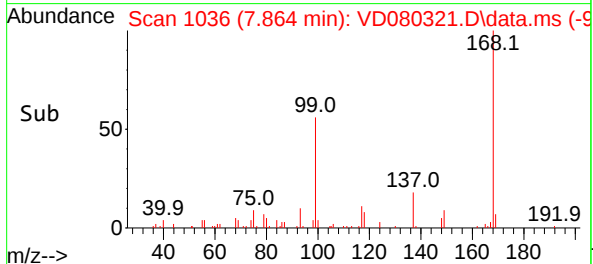
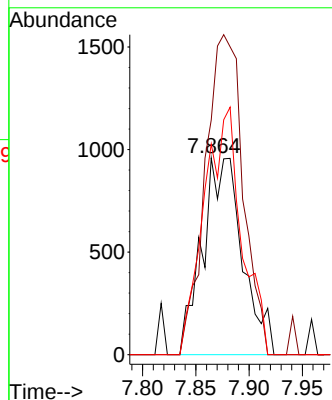
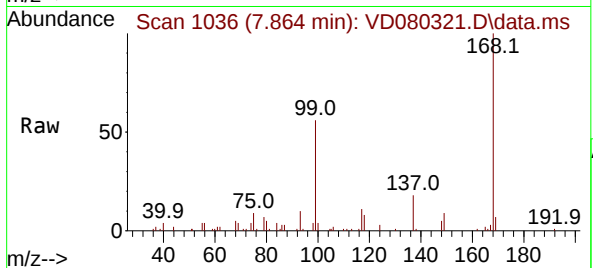




#31
Cyclohexane
Concen: 1.591 ug/l
RT: 7.864 min Scan# 1036
Delta R.T. -0.017 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

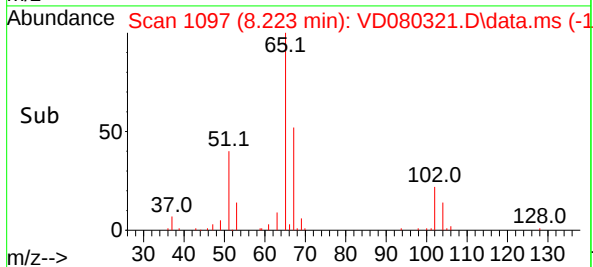
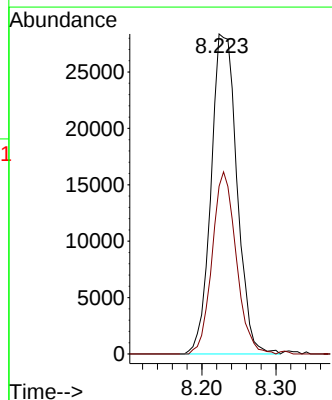
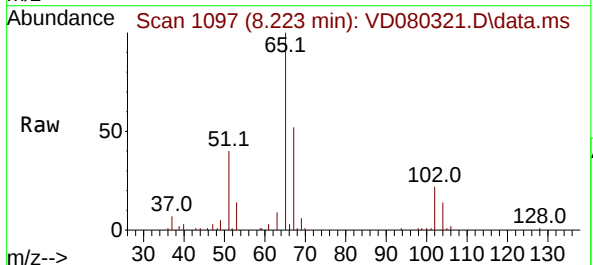
Instrument :
MSVOA_D
ClientSampleId :
205510

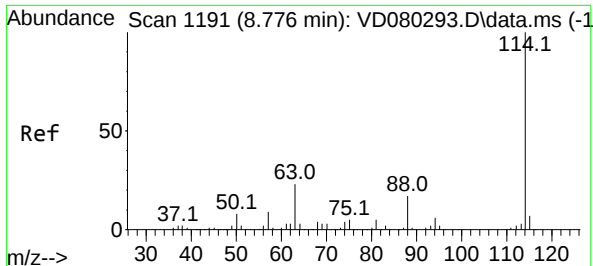
Tgt Ion: 56 Resp: 2528
Ion Ratio Lower Upper
56 100
69 119.3 27.3 40.9#
84 107.1 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 70.382 ug/l
RT: 8.223 min Scan# 1097
Delta R.T. -0.005 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

Tgt Ion: 65 Resp: 68848
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.2

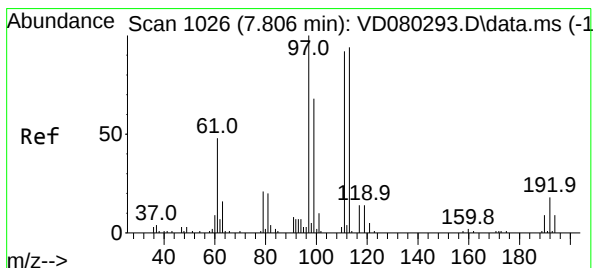
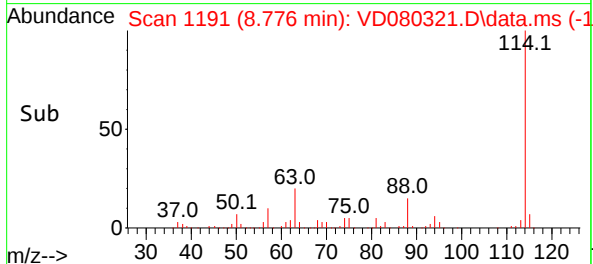
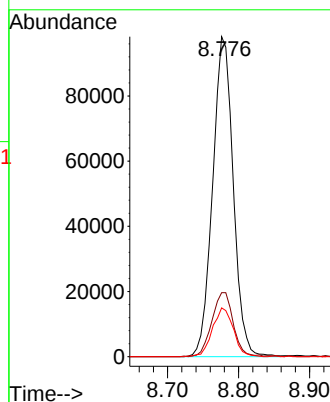
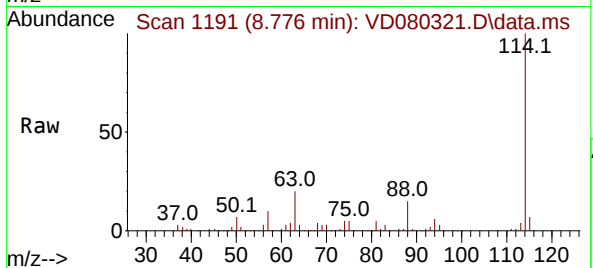




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

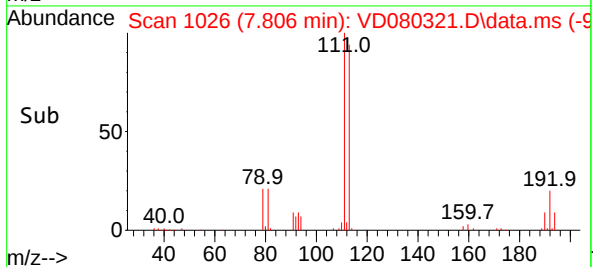
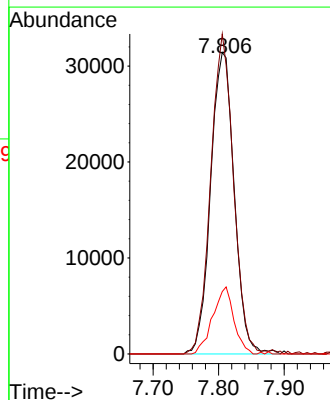
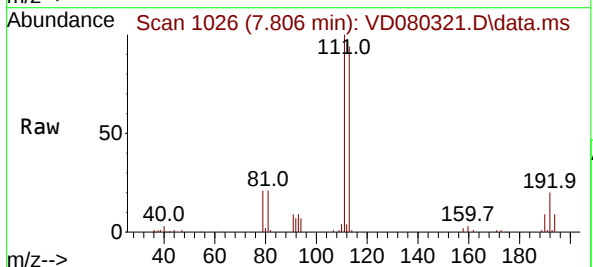
Instrument :
MSVOA_D
ClientSampleId :
205510

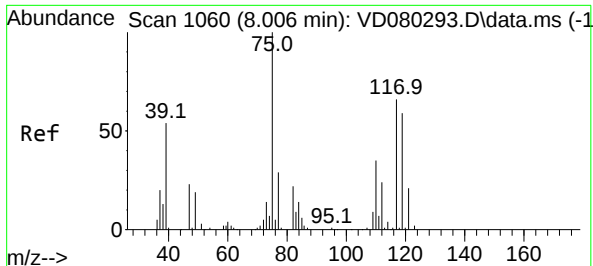
Tgt Ion:114 Resp: 197685
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.8
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 59.178 ug/l
RT: 7.806 min Scan# 1026
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

Tgt Ion:113 Resp: 78408
Ion Ratio Lower Upper
113 100
111 102.5 82.5 123.7
192 19.9 16.6 25.0





#36

1,1-Dichloropropene

Concen: 3.285 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.135 min

Lab File: VD080321.D

Acq: 14 May 2025 14:38

Instrument :

MSVOA_D

ClientSampleId :

205510

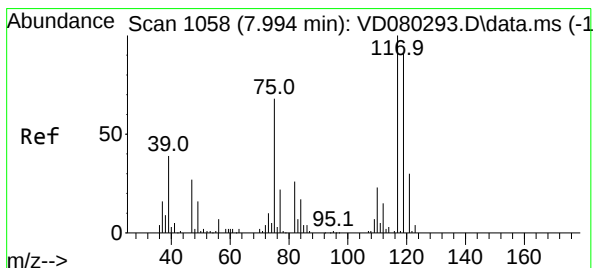
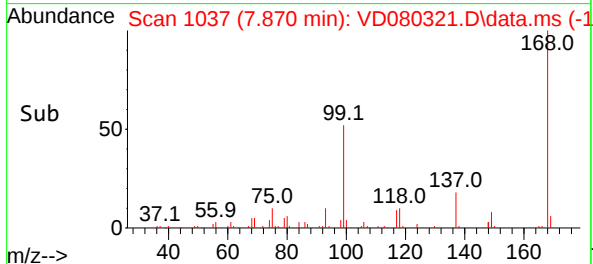
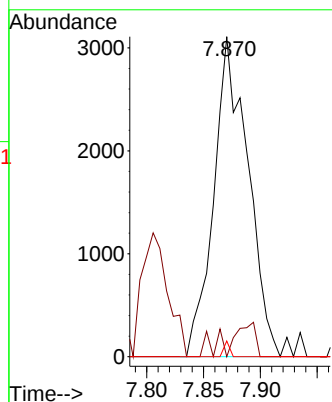
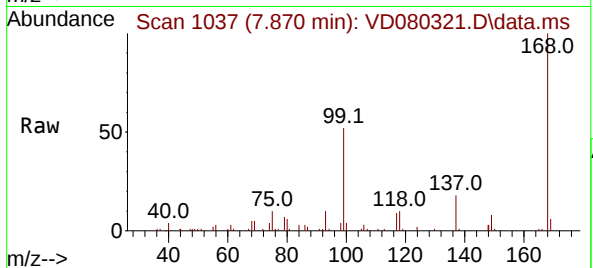
Tgt Ion: 75 Resp: 6504

Ion Ratio Lower Upper

75 100

110 1.3 18.4 55.0#

77 0.8 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 3.509 ug/l

RT: 7.882 min Scan# 1039

Delta R.T. -0.105 min

Lab File: VD080321.D

Acq: 14 May 2025 14:38

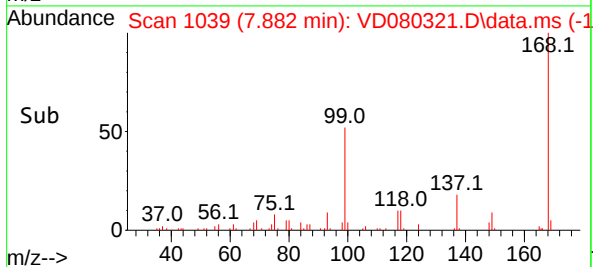
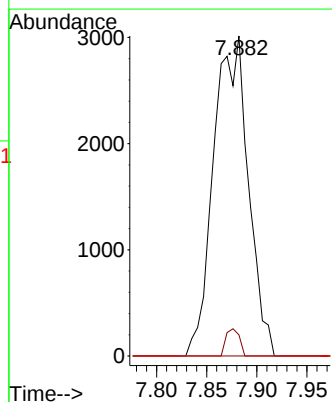
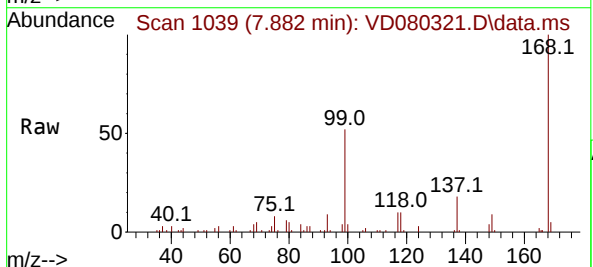
Tgt Ion: 117 Resp: 7246

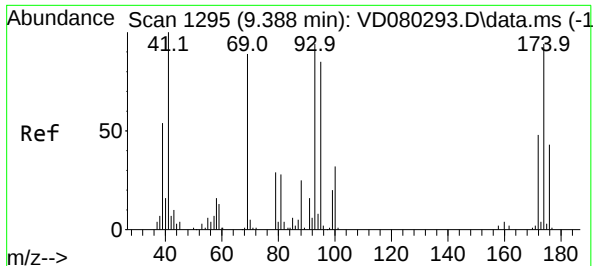
Ion Ratio Lower Upper

117 100

119 6.6 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 5.534 ug/l

RT: 9.241 min Scan# 11

Delta R.T. -0.146 min

Lab File: VD080321.D

Acq: 14 May 2025 14:38

Instrument :

MSVOA_D

ClientSampleId :

205510

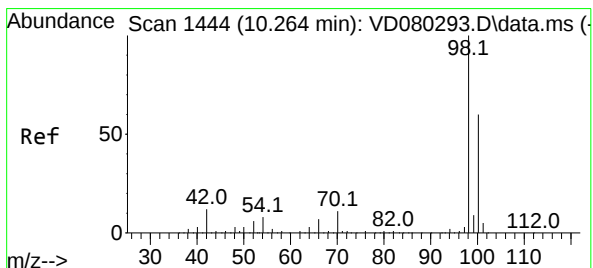
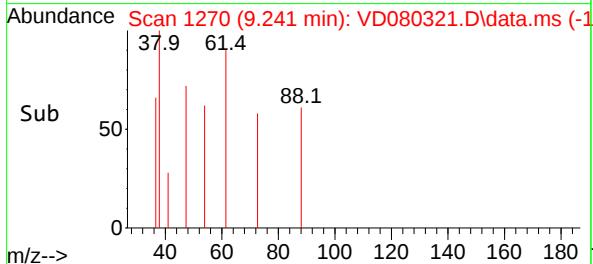
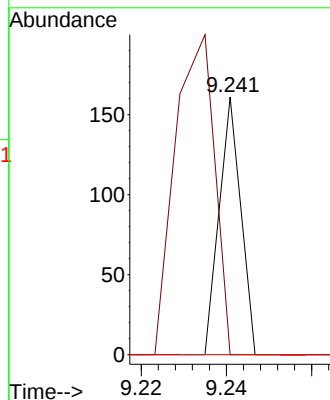
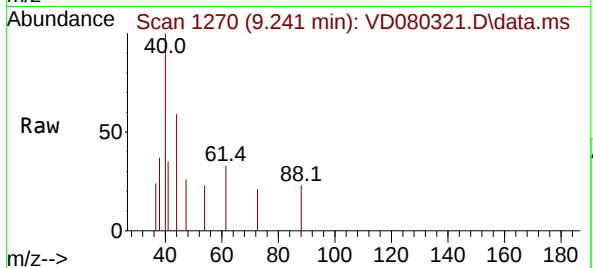
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 224.6 29.1 43.7#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 52.928 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080321.D

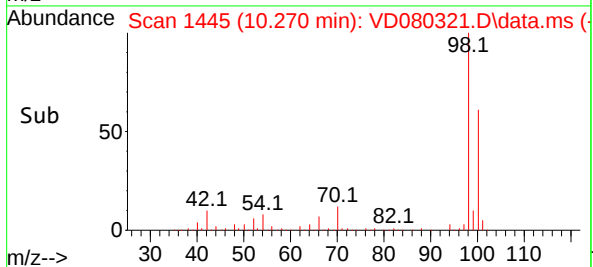
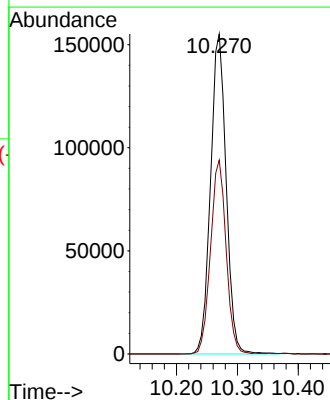
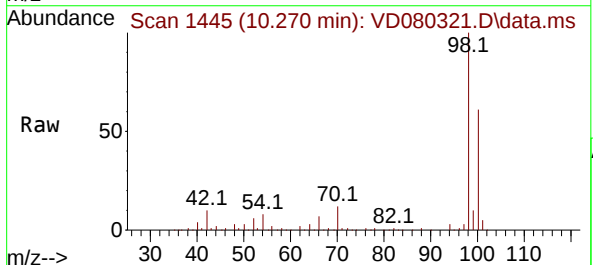
Acq: 14 May 2025 14:38

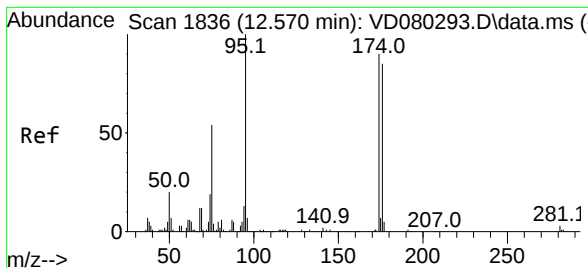
Tgt Ion: 98 Resp: 276309

Ion Ratio Lower Upper

98 100

100 60.6 50.2 75.4

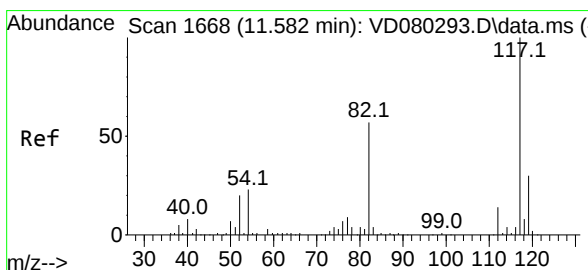
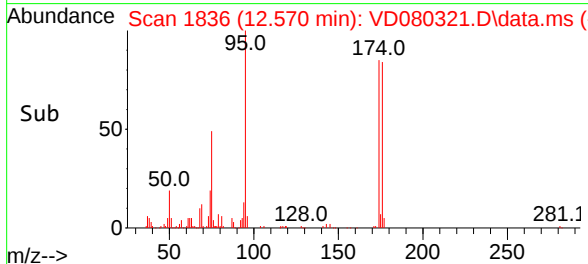
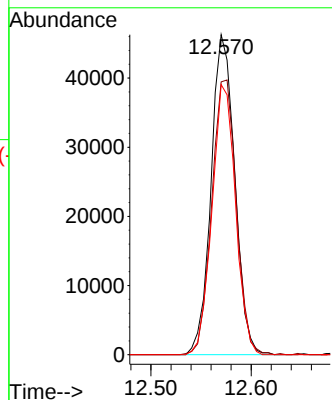
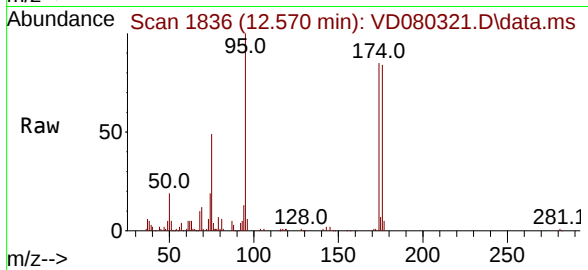




#62
4-Bromofluorobenzene
Concen: 45.323 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

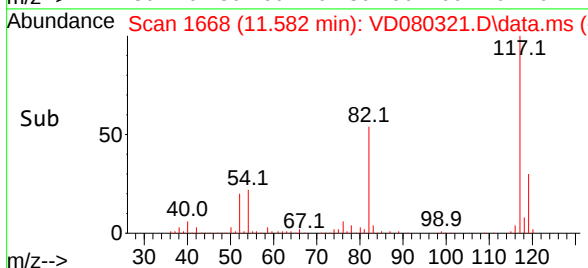
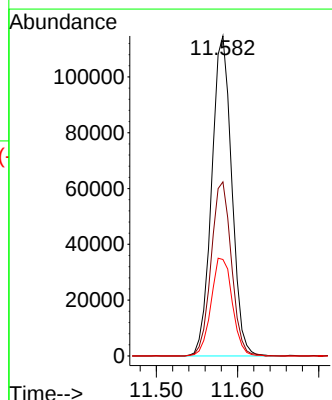
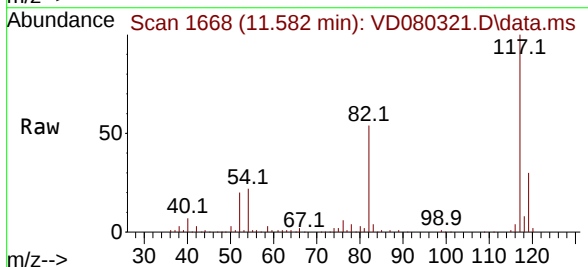
Instrument :
MSVOA_D
ClientSampleId :
205510

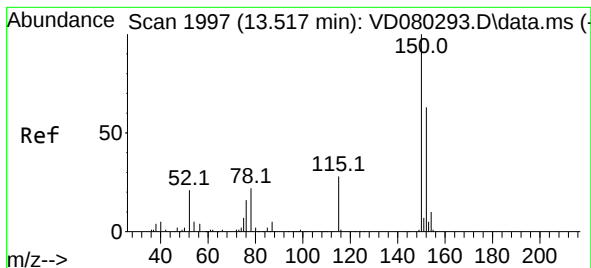
Tgt Ion: 95 Resp: 75944
Ion Ratio Lower Upper
95 100
174 89.2 0.0 173.4
176 83.9 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080321.D
Acq: 14 May 2025 14:38

Tgt Ion: 117 Resp: 196213
Ion Ratio Lower Upper
117 100
82 54.4 45.8 68.6
119 30.1 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.517 min Scan# 1997

Delta R.T. 0.001 min

Lab File: VD080321.D

Acq: 14 May 2025 14:38

Instrument :

MSVOA_D

ClientSampleId :

205510

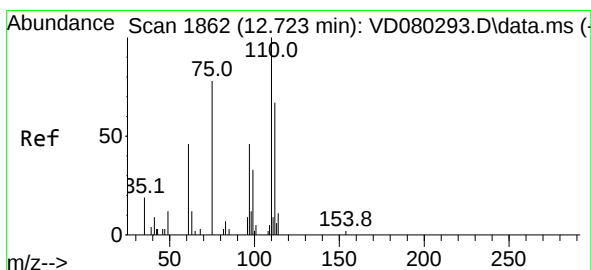
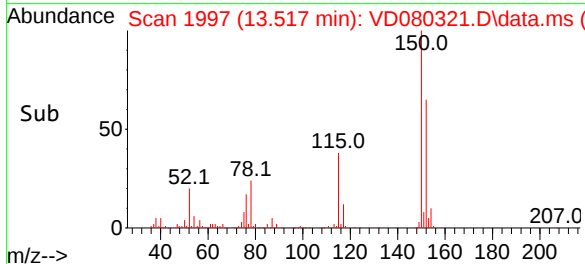
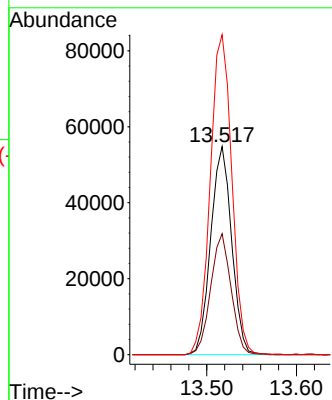
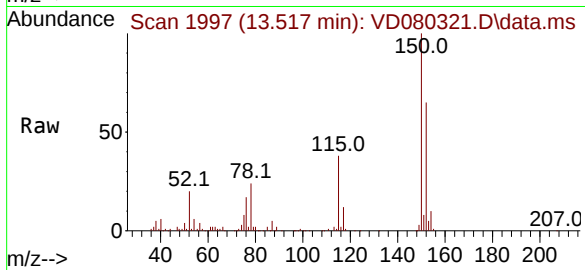
Tgt Ion:152 Resp: 88845

Ion Ratio Lower Upper

152 100

115 56.7 28.9 86.8

150 157.8 0.0 354.8



#76

1,2,3-Trichloropropane

Concen: 46.083 ug/l

RT: 12.570 min Scan# 1836

Delta R.T. -0.152 min

Lab File: VD080321.D

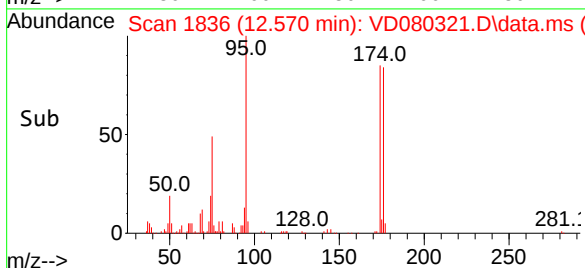
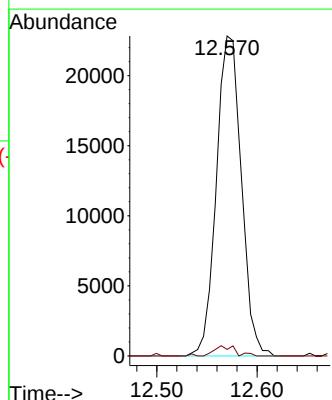
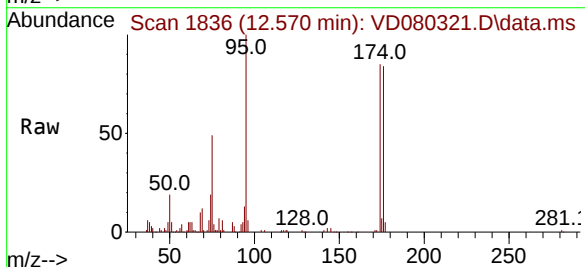
Acq: 14 May 2025 14:38

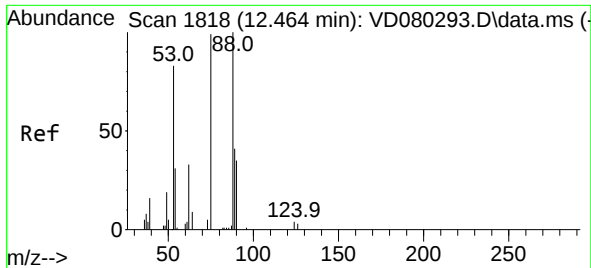
Tgt Ion: 75 Resp: 39515

Ion Ratio Lower Upper

75 100

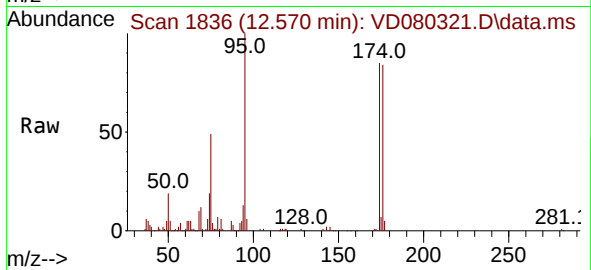
77 2.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.474 ug/l
 RT: 12.570 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VD080321.D
 Acq: 14 May 2025 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 205510



Tgt Ion: 75 Resp: 39515
 Ion Ratio Lower Upper
 75 100
 53 0.7 68.7 103.1#
 89 0.2 36.1 54.1#

