

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080310.D
 Acq On : 13 May 2025 19:14
 Operator : RP/MD
 Sample : Q2004-05
 Misc : 4.73G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R0202

Quant Time: May 14 01:35:47 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)

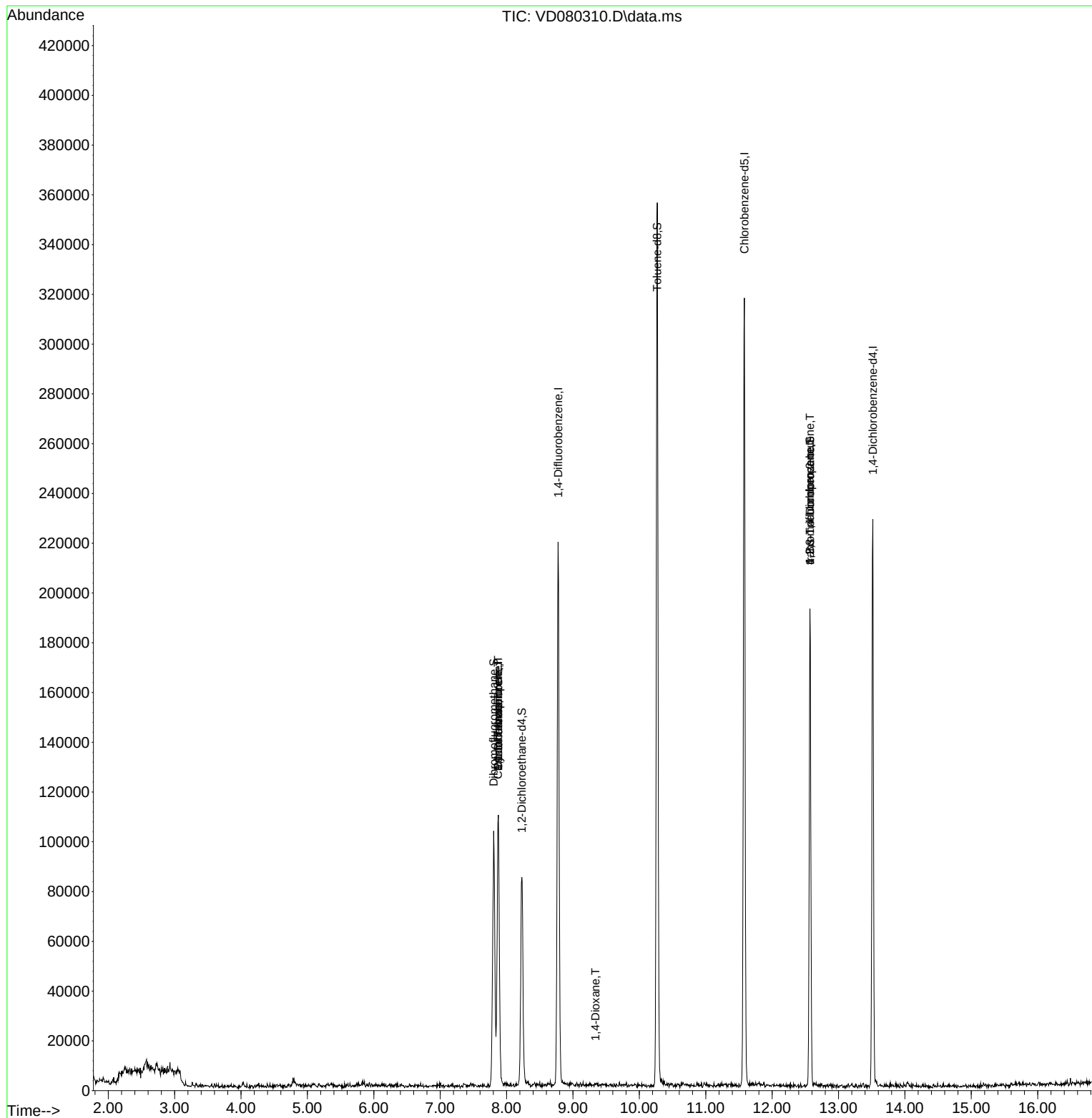
Internal Standards						
1) Pentafluorobenzene	7.876	168	81019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	183764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	178142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	59684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	68252	65.144	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.280%	
35) Dibromofluoromethane	7.806	113	68291	55.447	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.900%	
50) Toluene-d8	10.270	98	244875	50.460	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.920%	
62) 4-Bromofluorobenzene	12.570	95	57203	36.725	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.440%	
Target Compounds						
2) Dichlorodifluoromethane	1.929	85	73	Below Cal	#	43
3) Chloromethane	2.141	50	210	Below Cal	#	39
16) Acetone	4.041	43	1676	Below Cal	#	78
20) Methylene Chloride	4.788	84	710	Below Cal	#	62
31) Cyclohexane	7.876	56	2479	1.456	ug/l #	1
36) 1,1-Dichloropropene	7.876	75	7302	3.967	ug/l #	49
38) Carbon Tetrachloride	7.870	117	7634	3.977	ug/l #	18
49) 1,4-Dioxane	9.341	88	56	5.849	ug/l #	57
76) 1,2,3-Trichloropropane	12.570	75	29836	51.796	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	29836	98.317	ug/l #	15

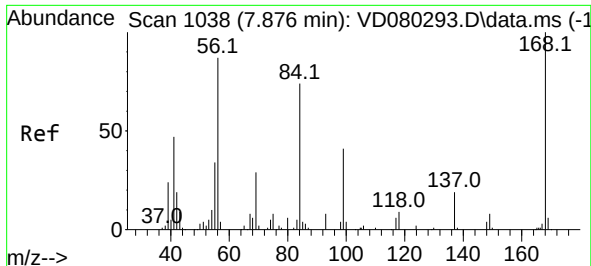
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

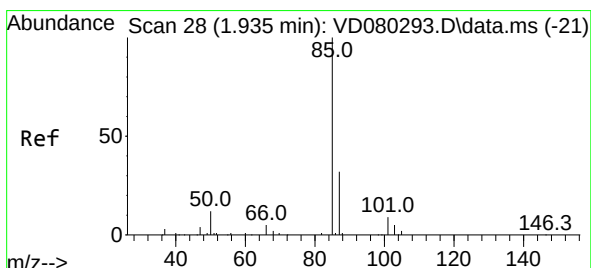
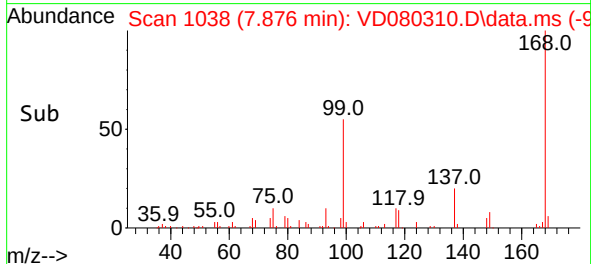
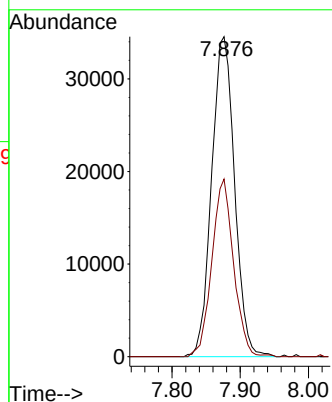
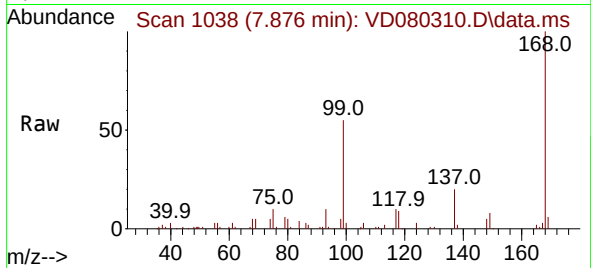




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080310.D
Acq: 13 May 2025 19:14

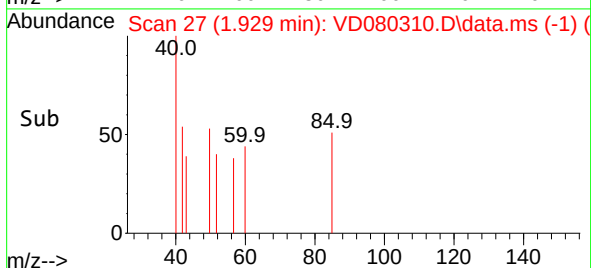
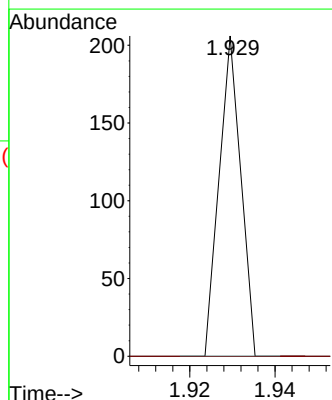
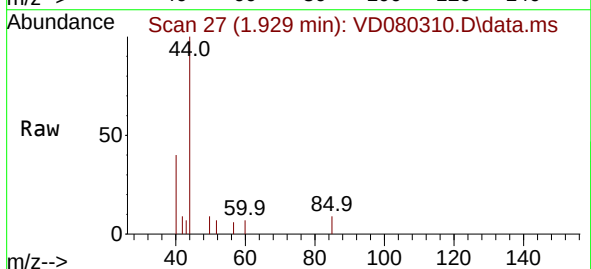
Instrument :
MSVOA_D
ClientSampleId :
R0202

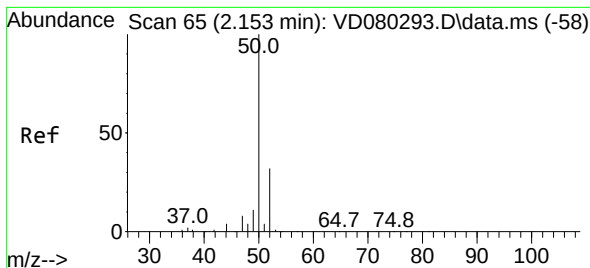
Tgt Ion:168 Resp: 81019
Ion Ratio Lower Upper
168 100
99 55.5 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.929 min Scan# 27
Delta R.T. -0.005 min
Lab File: VD080310.D
Acq: 13 May 2025 19:14

Tgt Ion: 85 Resp: 73
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#3

Chloromethane

Concen: Below Cal

RT: 2.141 min Scan# 61

Delta R.T. -0.005 min

Lab File: VD080310.D

Acq: 13 May 2025 19:14

Instrument :

MSVOA_D

ClientSampleId :

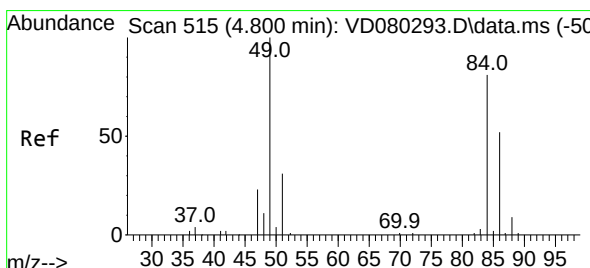
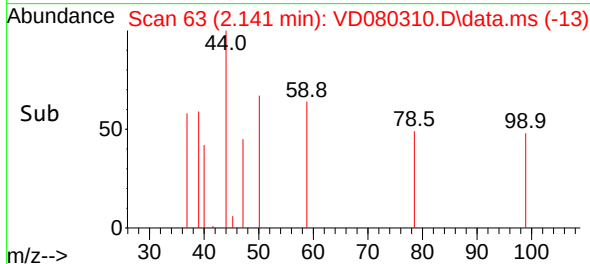
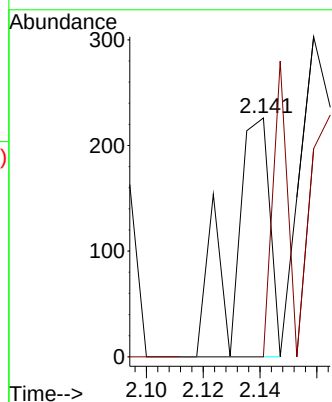
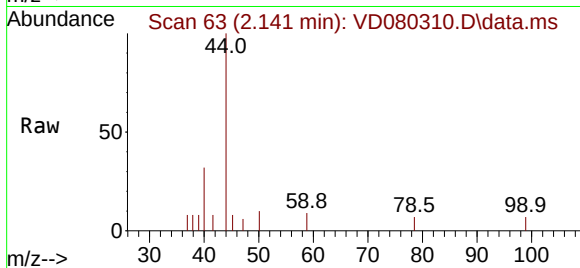
R0202

Tgt Ion: 50 Resp: 210

Ion Ratio Lower Upper

50 100

52 0.0 28.8 43.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.788 min Scan# 513

Delta R.T. -0.017 min

Lab File: VD080310.D

Acq: 13 May 2025 19:14

Tgt Ion: 84 Resp: 710

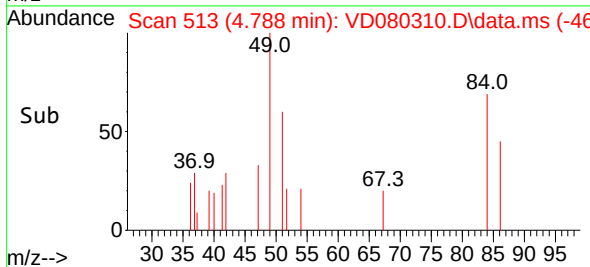
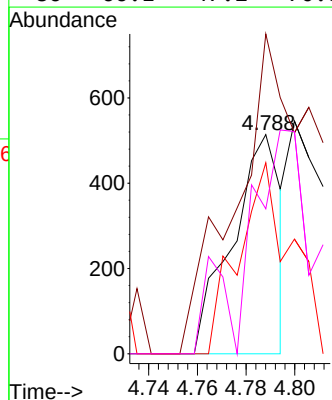
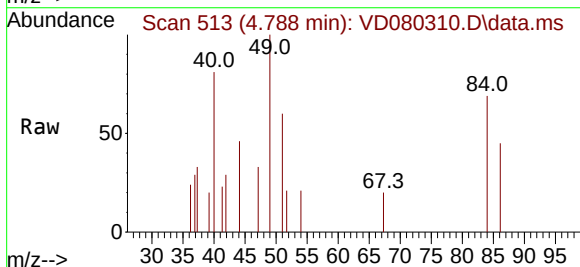
Ion Ratio Lower Upper

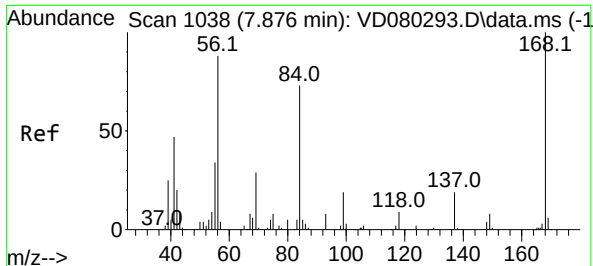
84 100

49 145.9 86.5 129.7#

51 87.2 26.9 40.3#

86 66.1 47.2 70.8

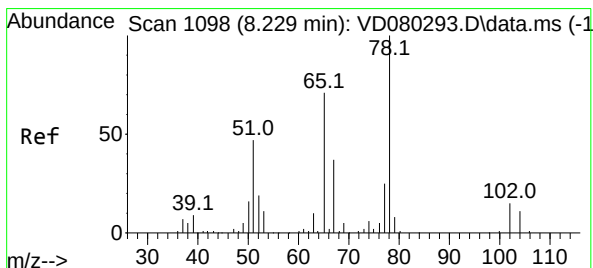
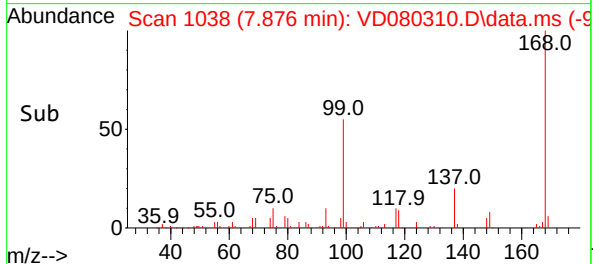
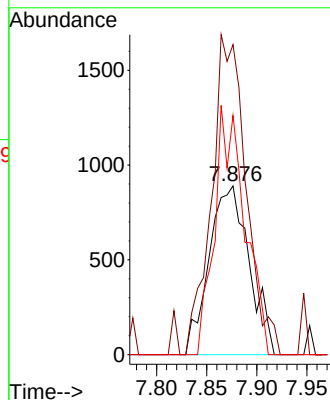
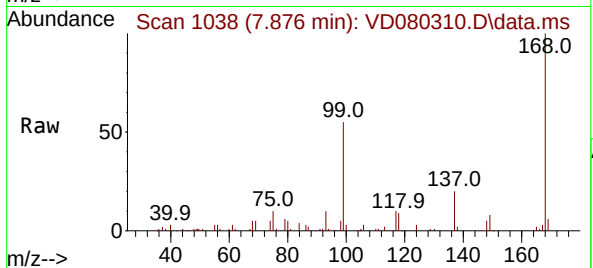




#31
Cyclohexane
Concen: 1.456 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.005 min
Lab File: VD080310.D
Acq: 13 May 2025 19:14

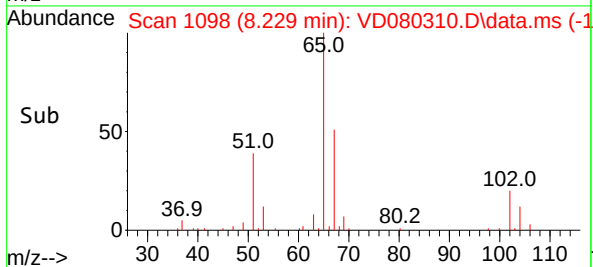
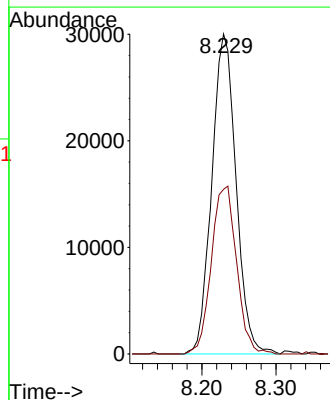
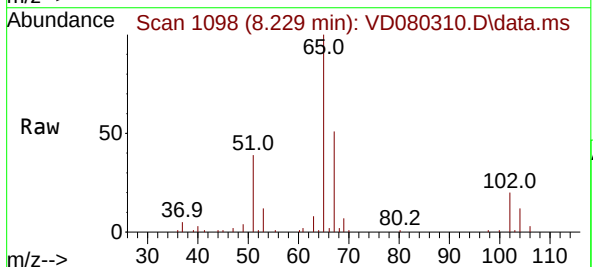
Instrument :
MSVOA_D
ClientSampleId :
R0202

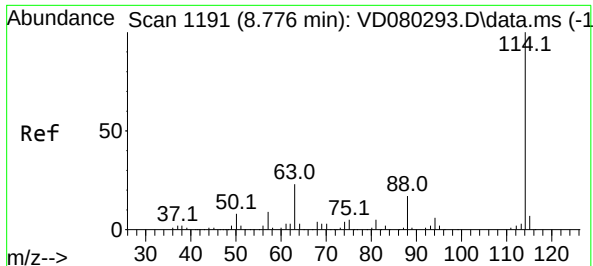
Tgt Ion: 56 Resp: 2479
Ion Ratio Lower Upper
56 100
69 183.8 27.3 40.9#
84 141.8 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 65.144 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080310.D
Acq: 13 May 2025 19:14

Tgt Ion: 65 Resp: 68252
Ion Ratio Lower Upper
65 100
67 54.5 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: VD080310.D

Acq: 13 May 2025 19:14

Instrument :

MSVOA_D

ClientSampleId :

R0202

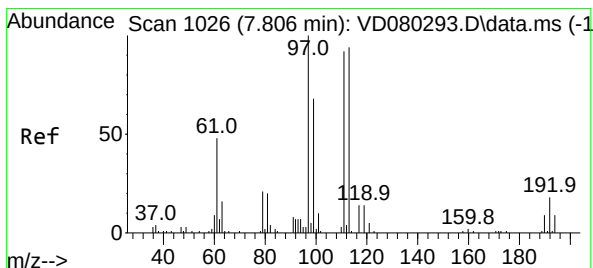
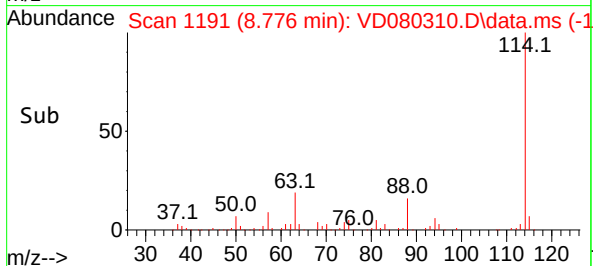
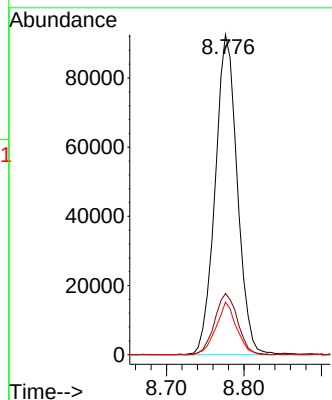
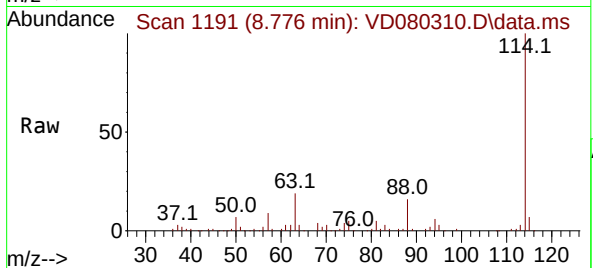
Tgt Ion:114 Resp: 183764

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

88 16.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.447 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. 0.001 min

Lab File: VD080310.D

Acq: 13 May 2025 19:14

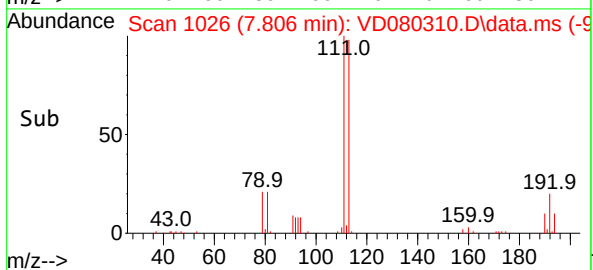
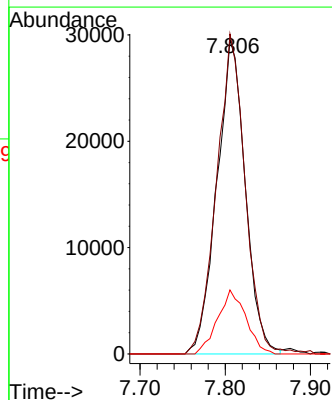
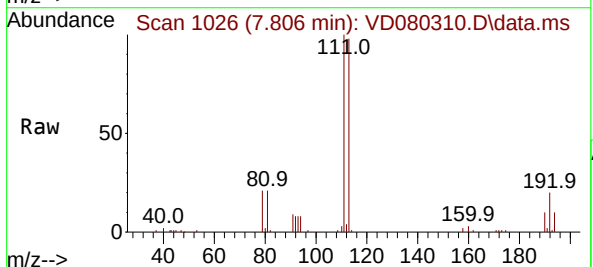
Tgt Ion:113 Resp: 68291

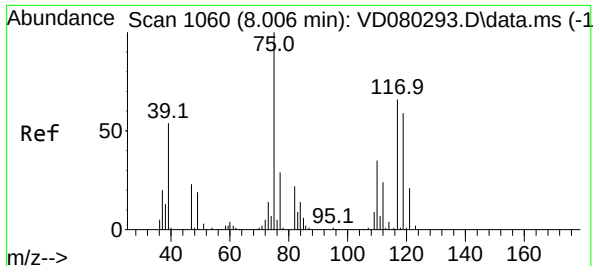
Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 20.3 16.6 25.0





#36

1,1-Dichloropropene

Concen: 3.967 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.129 min

Lab File: VD080310.D

Acq: 13 May 2025 19:14

Instrument :

MSVOA_D

ClientSampleId :

R0202

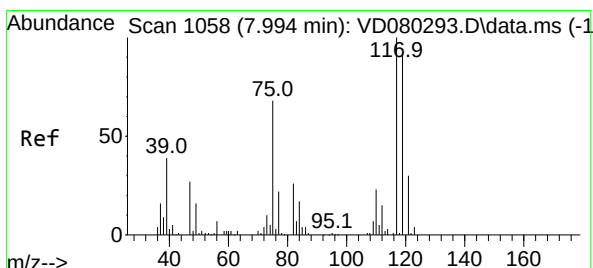
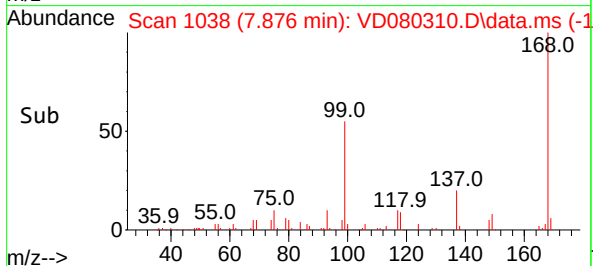
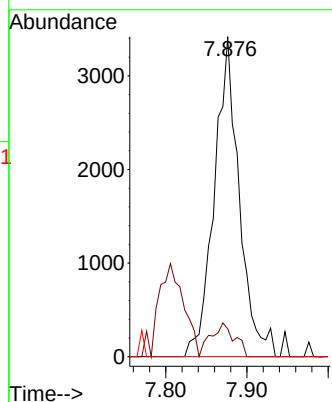
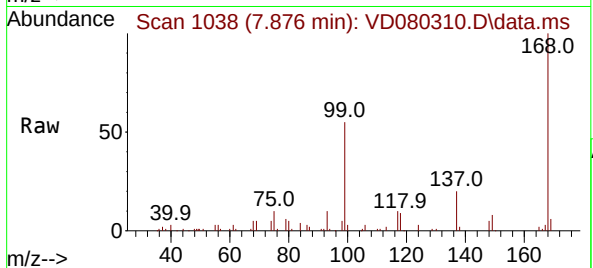
Tgt Ion: 75 Resp: 7302

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 3.977 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.117 min

Lab File: VD080310.D

Acq: 13 May 2025 19:14

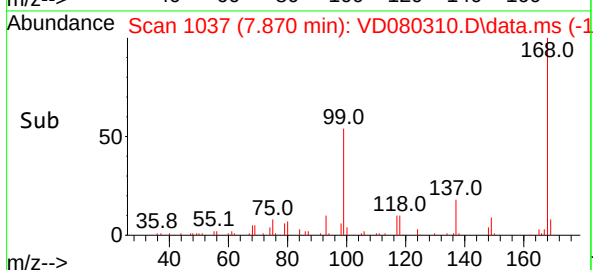
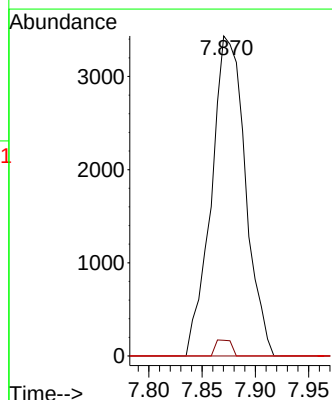
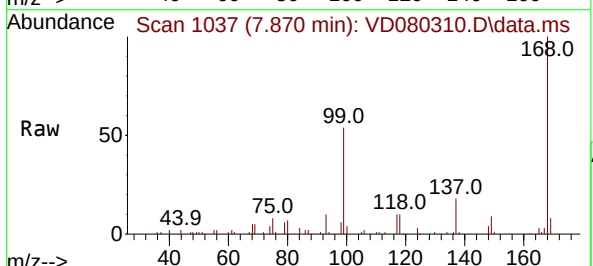
Tgt Ion: 117 Resp: 7634

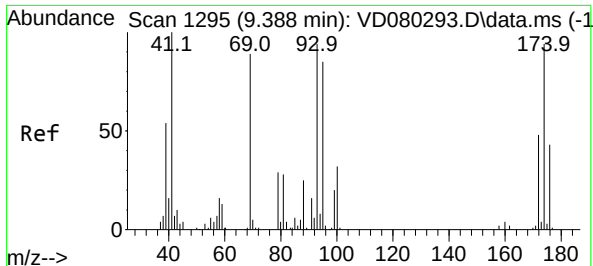
Ion Ratio Lower Upper

117 100

119 4.9 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 5.849 ug/l

RT: 9.341 min Scan# 11

Delta R.T. -0.046 min

Lab File: VD080310.D

Acq: 13 May 2025 19:14

Instrument :

MSVOA_D

ClientSampleId :

R0202

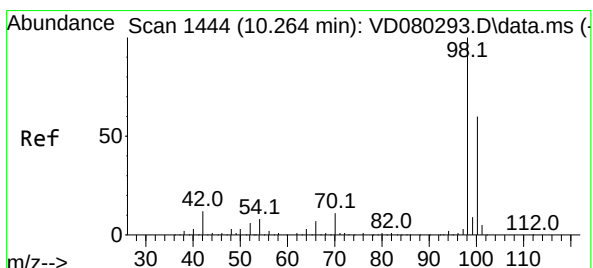
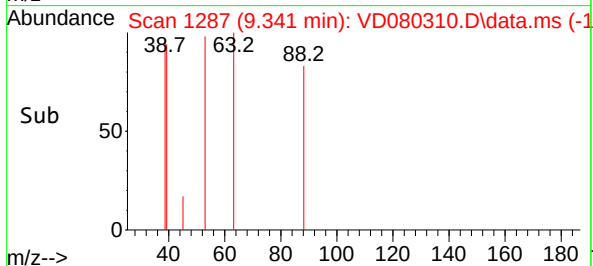
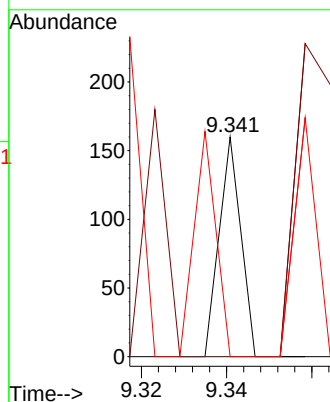
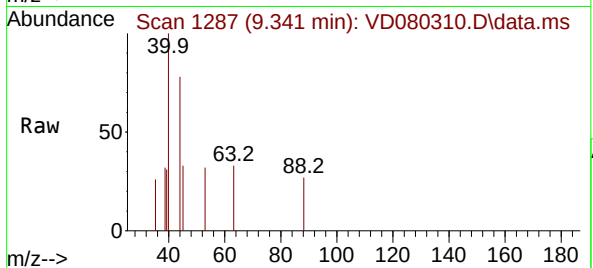
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 0.0 29.1 43.7#

58 103.6 59.9 89.9#



#50

Toluene-d8

Concen: 50.460 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080310.D

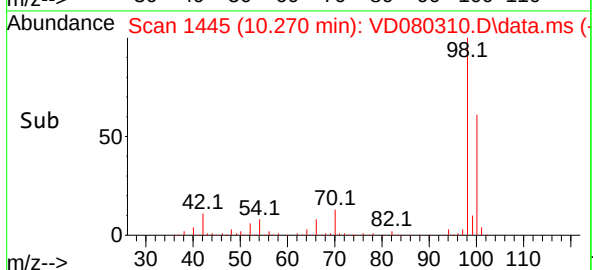
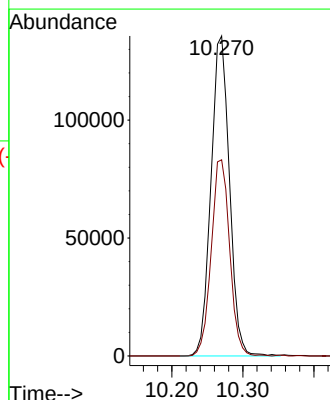
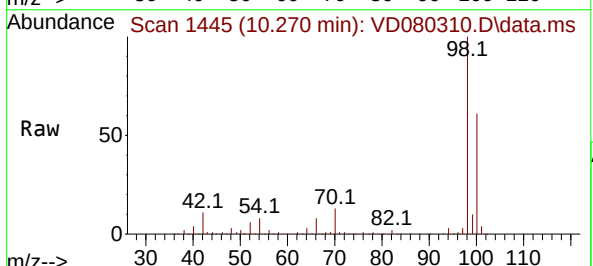
Acq: 13 May 2025 19:14

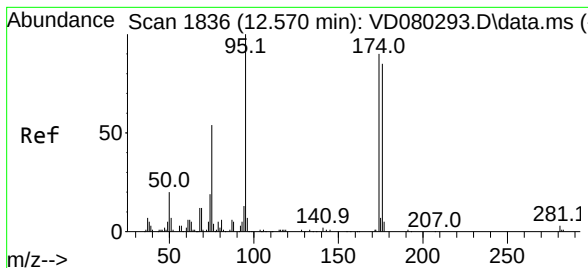
Tgt Ion: 98 Resp: 244875

Ion Ratio Lower Upper

98 100

100 61.2 50.2 75.4

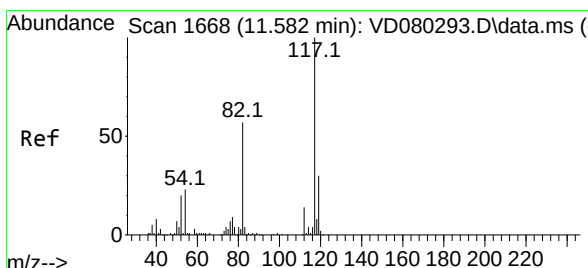
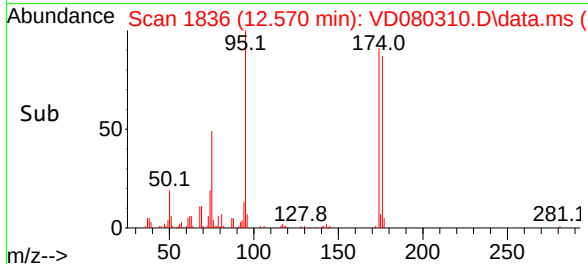
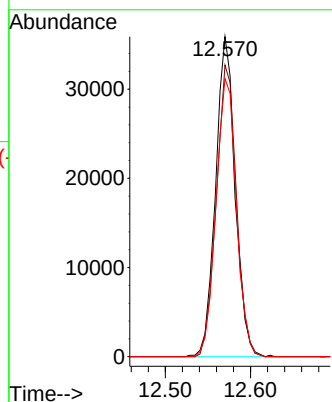
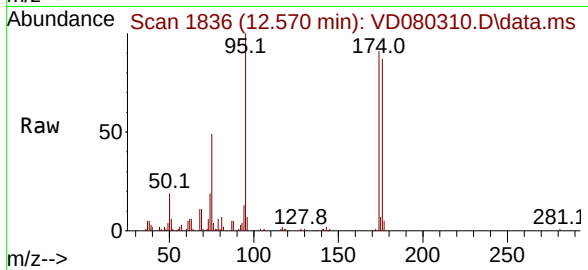




#62
4-Bromofluorobenzene
Concen: 36.725 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080310.D
Acq: 13 May 2025 19:14

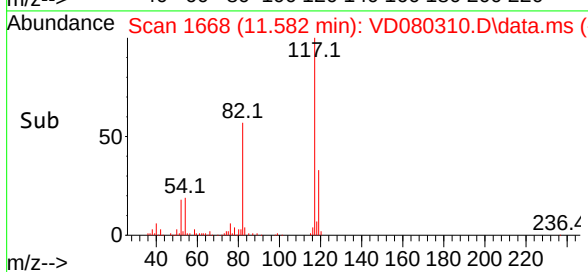
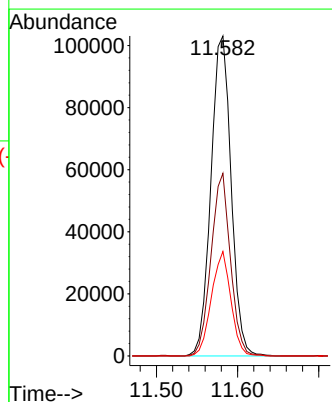
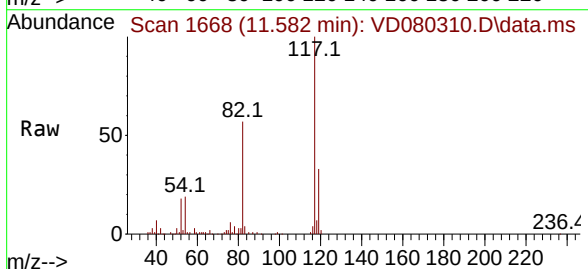
Instrument :
MSVOA_D
ClientSampleId :
R0202

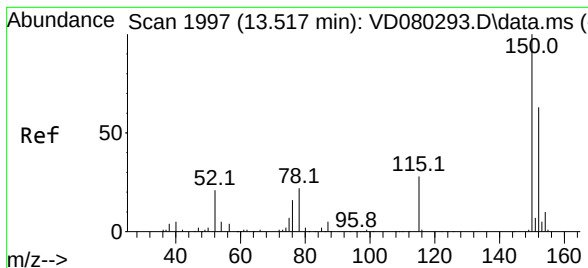
Tgt Ion:	95	Resp:	57203
Ion Ratio	Lower	Upper	
95	100		
174	93.3	0.0	173.4
176	90.5	0.0	166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080310.D
Acq: 13 May 2025 19:14

Tgt Ion:	117	Resp:	178142
Ion Ratio	Lower	Upper	
117	100		
82	57.1	45.8	68.6
119	32.6	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: VD080310.D

Acq: 13 May 2025 19:14

Instrument :

MSVOA_D

ClientSampleId :

R0202

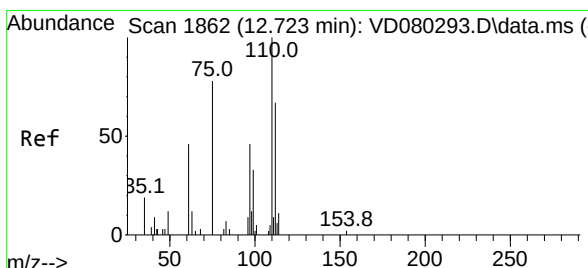
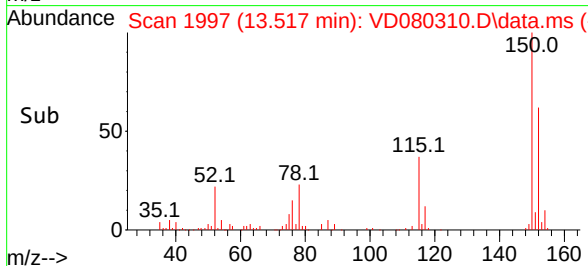
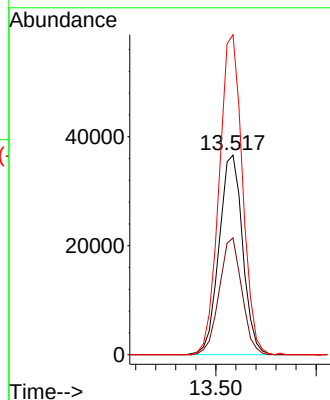
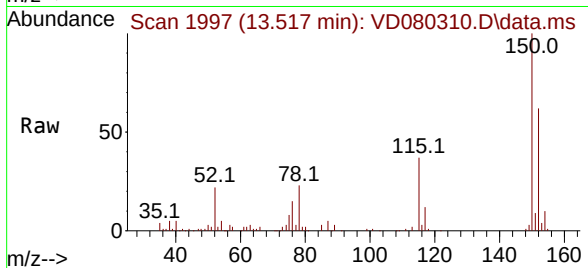
Tgt Ion:152 Resp: 59684

Ion Ratio Lower Upper

152 100

115 56.2 28.9 86.8

150 158.3 0.0 354.8



#76

1,2,3-Trichloropropane

Concen: 51.796 ug/l

RT: 12.570 min Scan# 1836

Delta R.T. -0.152 min

Lab File: VD080310.D

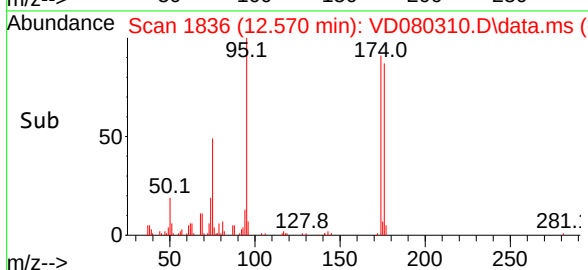
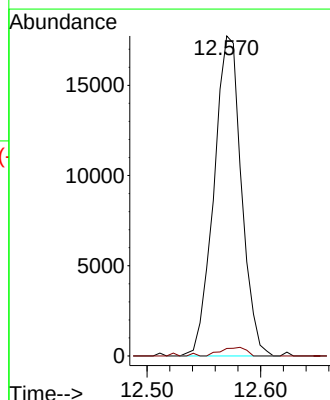
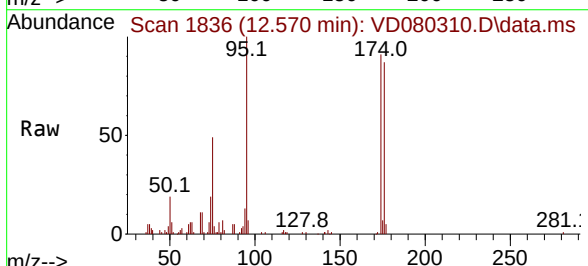
Acq: 13 May 2025 19:14

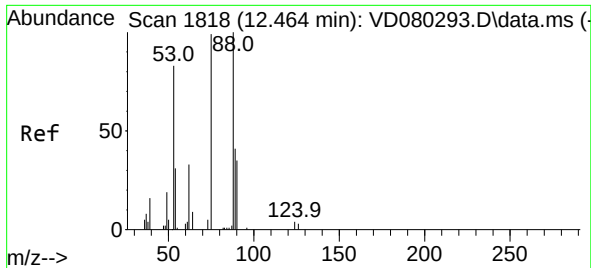
Tgt Ion: 75 Resp: 29836

Ion Ratio Lower Upper

75 100

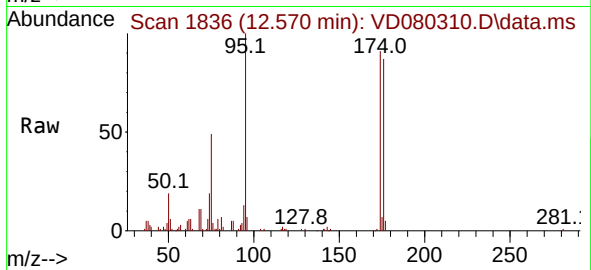
77 2.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.317 ug/l
 RT: 12.570 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VD080310.D
 Acq: 13 May 2025 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 R0202



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	68.7	103.1#
89	0.0	36.1	54.1#

