

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080300.D
 Acq On : 13 May 2025 14:12
 Operator : RP/MD
 Sample : VD0513SBL01
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBL01

Quant Time: May 14 01:32:49 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)

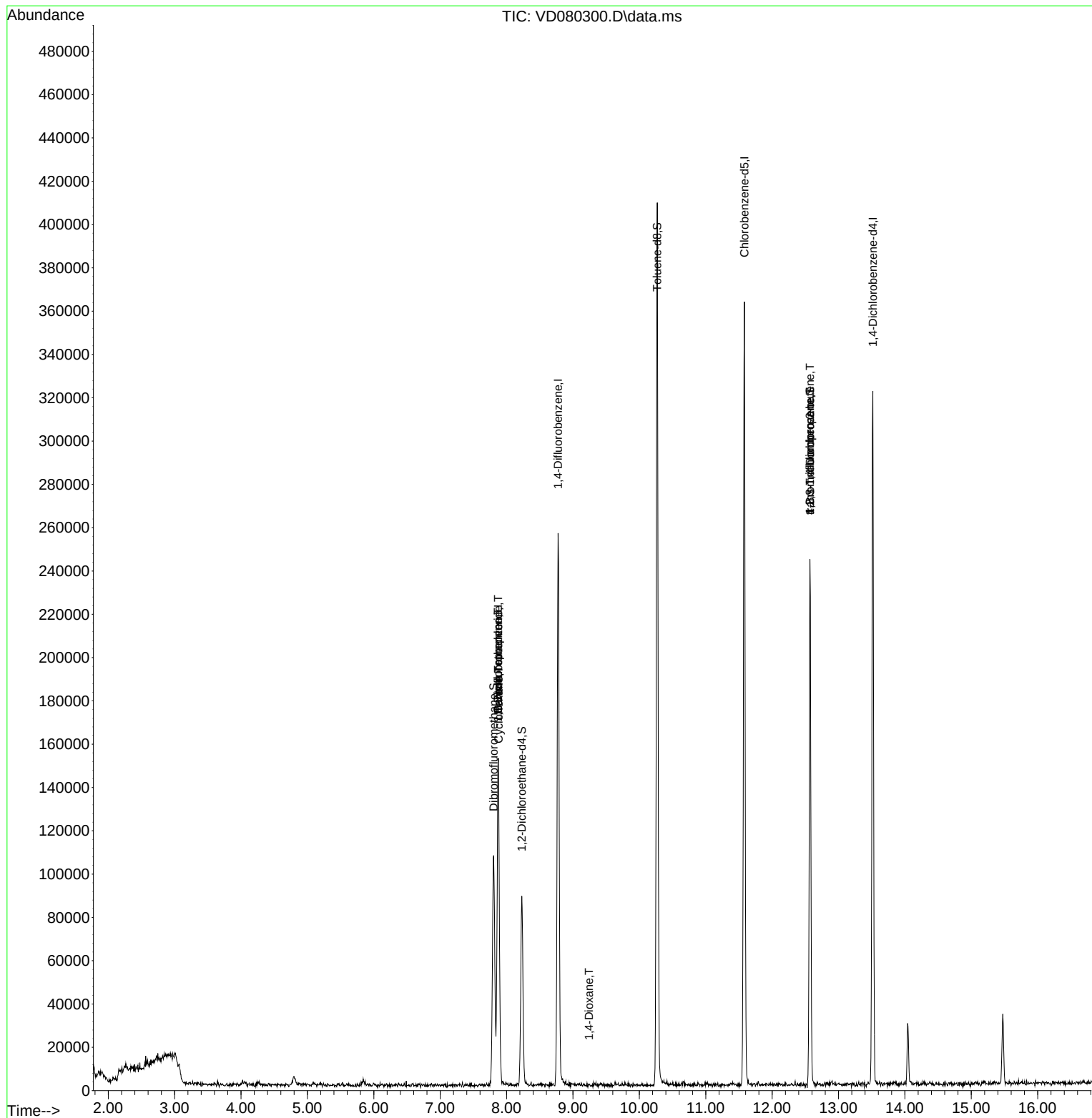
Internal Standards						
1) Pentafluorobenzene	7.876	168	113796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	217976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	194430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	85586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	69060	46.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.860%
35) Dibromofluoromethane	7.805	113	77298	52.909	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.820%
50) Toluene-d8	10.270	98	273872	47.577	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.570	95	73798	39.943	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.880%
Target Compounds						
2) Dichlorodifluoromethane	1.982	85	54	Below Cal	#	43
3) Chloromethane	2.159	50	814	Below Cal	#	76
16) Acetone	4.023	43	2402	Below Cal	#	87
20) Methylene Chloride	4.806	84	2403	Below Cal	#	79
31) Cyclohexane	7.882	56	3536	1.479	ug/l #	34
36) 1,1-Dichloropropene	7.870	75	10060	4.607	ug/l #	49
38) Carbon Tetrachloride	7.876	117	10798	4.742	ug/l #	22
49) 1,4-Dioxane	9.241	88	59	5.195	ug/l #	1
76) 1,2,3-Trichloropropane	12.570	75	37442	45.328	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	37442	86.041	ug/l #	15

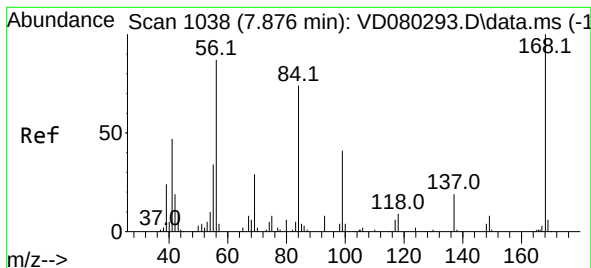
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : RP/MD
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Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBL01

Quant Time: May 14 01:32:49 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: VD080300.D

Acq: 13 May 2025 14:12

Instrument :

MSVOA_D

ClientSampleId :

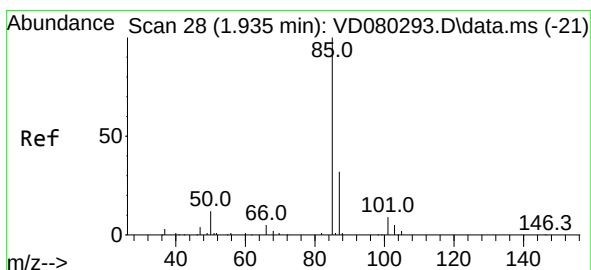
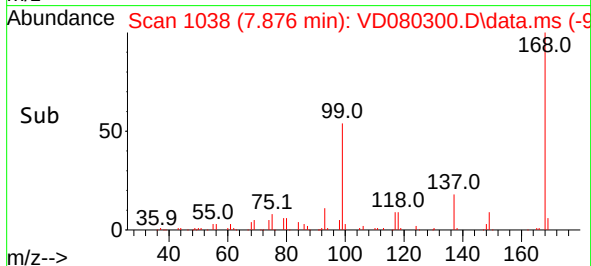
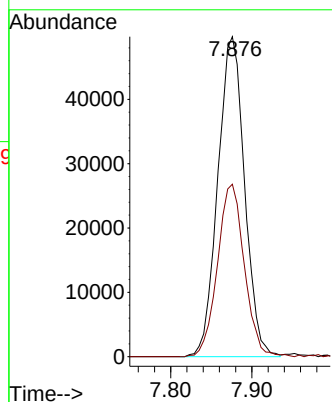
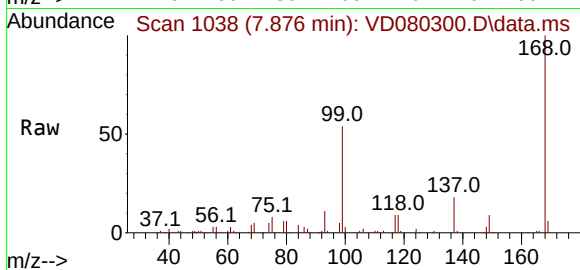
VD0513SBL01

Tgt Ion:168 Resp: 113796

Ion Ratio Lower Upper

168 100

99 53.9 46.0 69.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.982 min Scan# 36

Delta R.T. 0.048 min

Lab File: VD080300.D

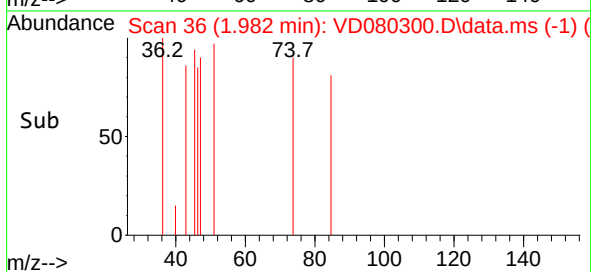
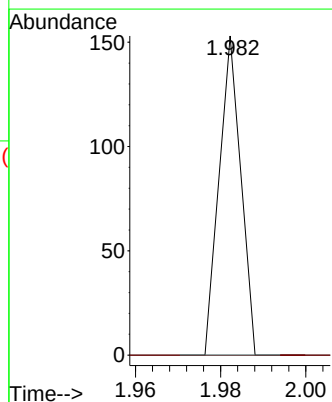
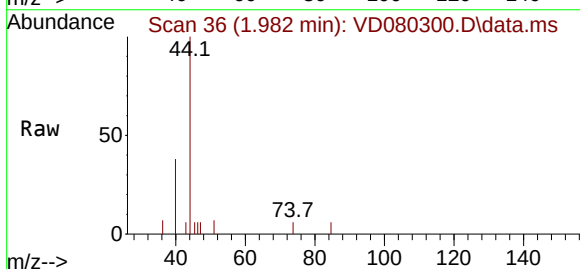
Acq: 13 May 2025 14:12

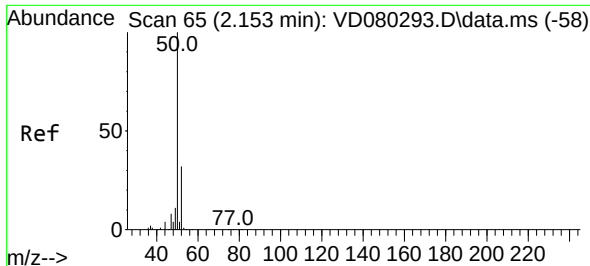
Tgt Ion: 85 Resp: 54

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.2#

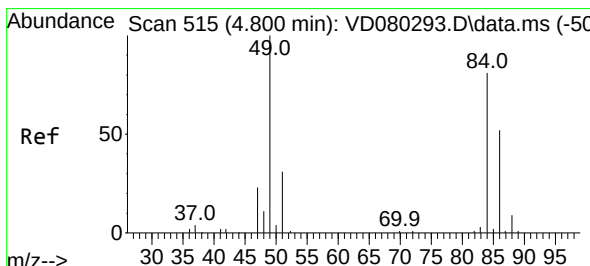
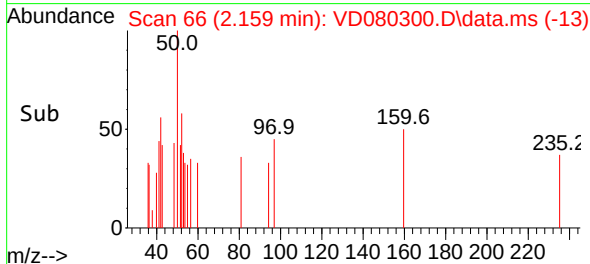
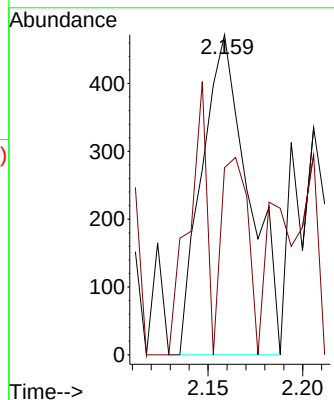
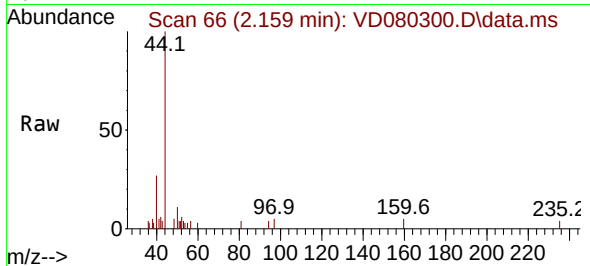




#3
Chloromethane
Concen: Below Cal
RT: 2.159 min Scan# 60
Delta R.T. 0.013 min
Lab File: VD080300.D
Acq: 13 May 2025 14:12

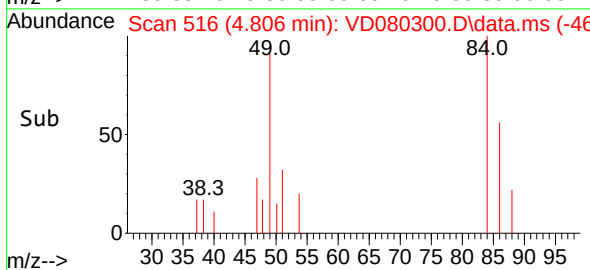
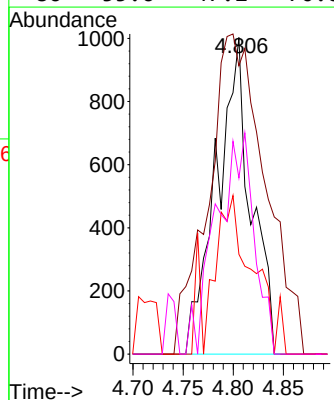
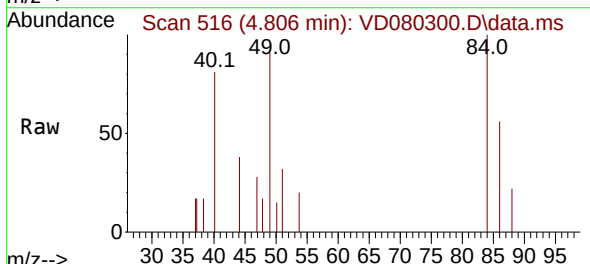
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBL01

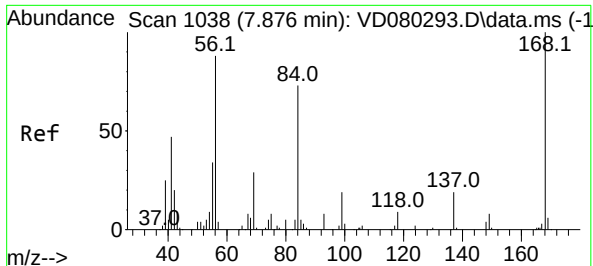
Tgt Ion: 50 Resp: 814
Ion Ratio Lower Upper
50 100
52 22.0 28.8 43.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.806 min Scan# 516
Delta R.T. 0.001 min
Lab File: VD080300.D
Acq: 13 May 2025 14:12

Tgt Ion: 84 Resp: 2403
Ion Ratio Lower Upper
84 100
49 72.0 86.5 129.7#
51 31.5 26.9 40.3
86 55.6 47.2 70.8

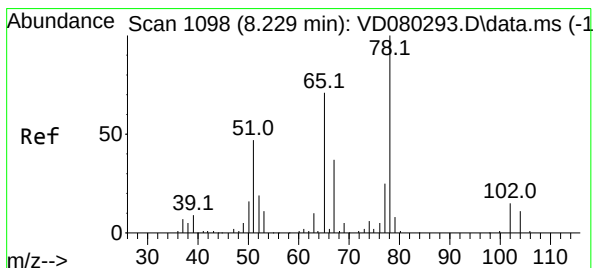
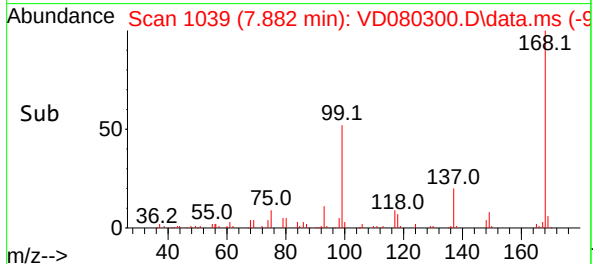
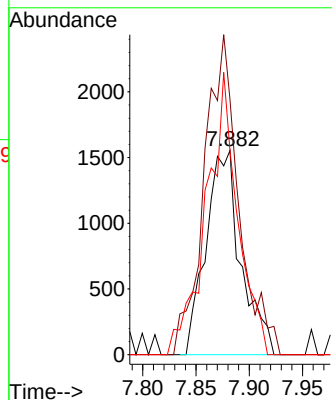
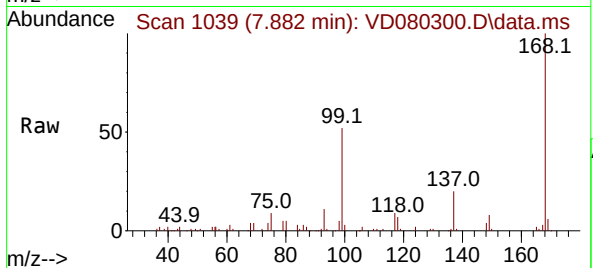




#31
Cyclohexane
Concen: 1.479 ug/l
RT: 7.882 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080300.D
Acq: 13 May 2025 14:12

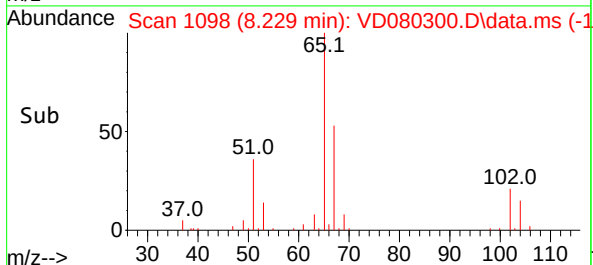
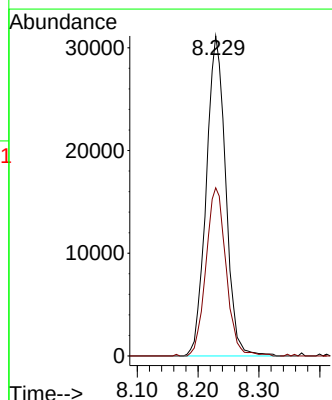
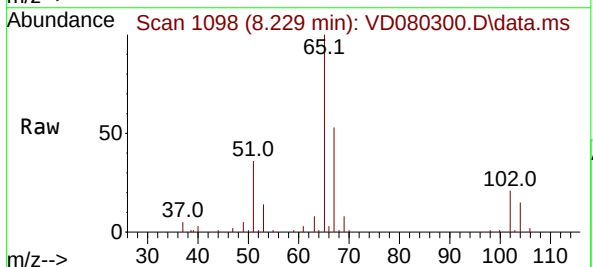
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBL01

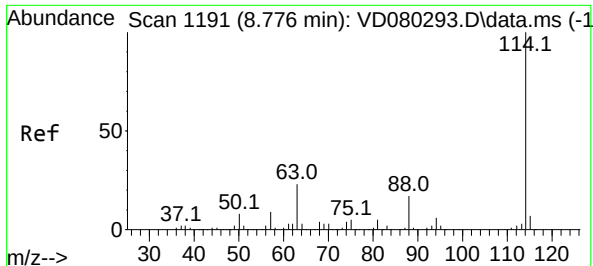
Tgt Ion: 56 Resp: 3536
Ion Ratio Lower Upper
56 100
69 125.2 27.3 40.9#
84 115.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 46.929 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080300.D
Acq: 13 May 2025 14:12

Tgt Ion: 65 Resp: 69060
Ion Ratio Lower Upper
65 100
67 54.4 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: VD080300.D

Acq: 13 May 2025 14:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBL01

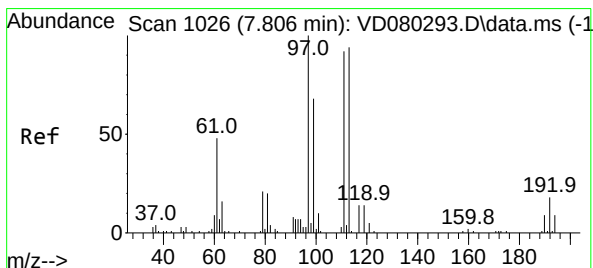
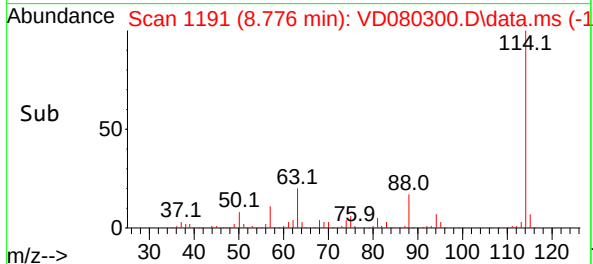
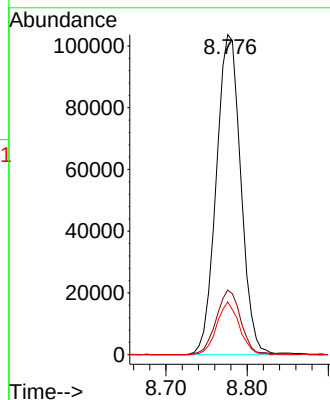
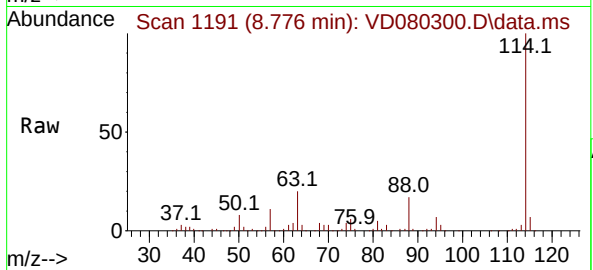
Tgt Ion:114 Resp: 217976

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

88 16.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.909 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080300.D

Acq: 13 May 2025 14:12

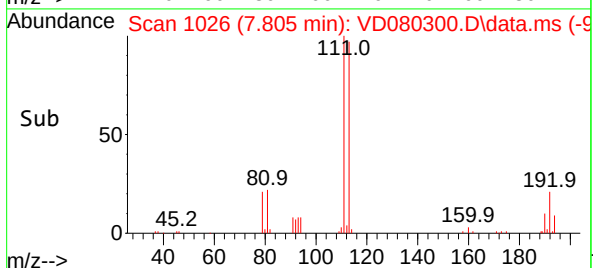
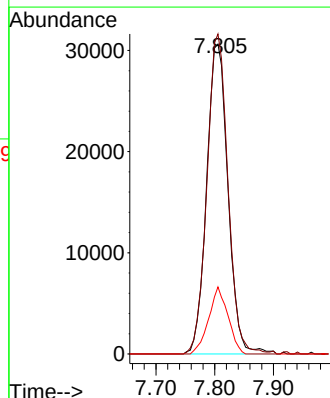
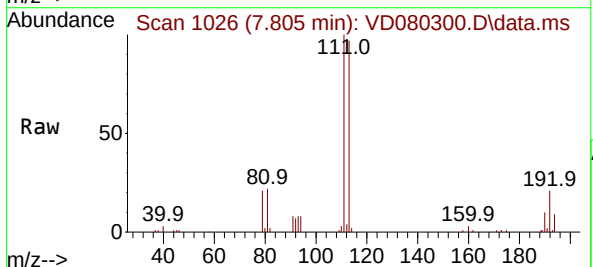
Tgt Ion:113 Resp: 77298

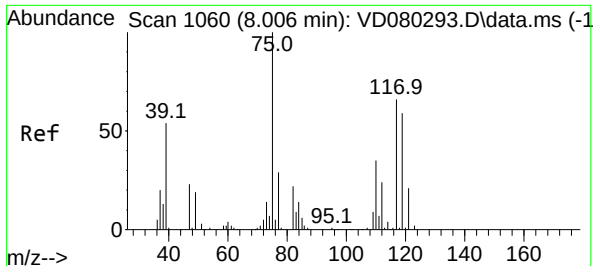
Ion Ratio Lower Upper

113 100

111 101.6 82.5 123.7

192 19.5 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.135 min

Lab File: VD080300.D

Acq: 13 May 2025 14:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBL01

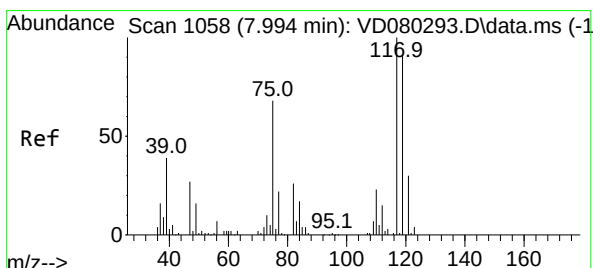
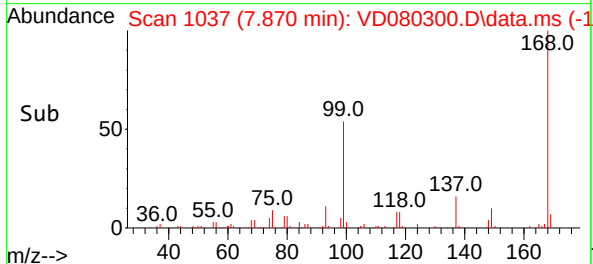
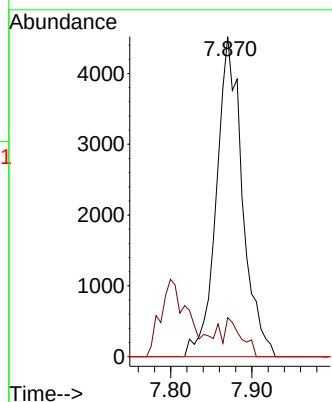
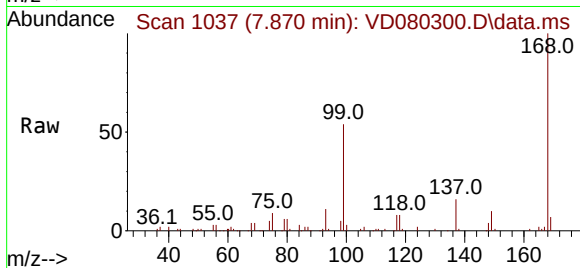
Tgt Ion: 75 Resp: 10060

Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 4.742 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.111 min

Lab File: VD080300.D

Acq: 13 May 2025 14:12

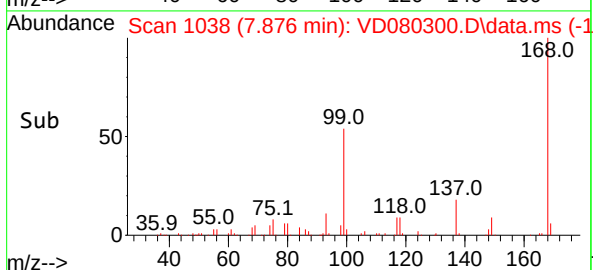
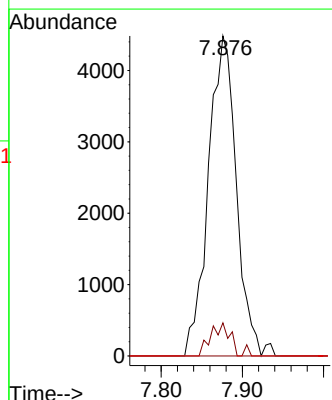
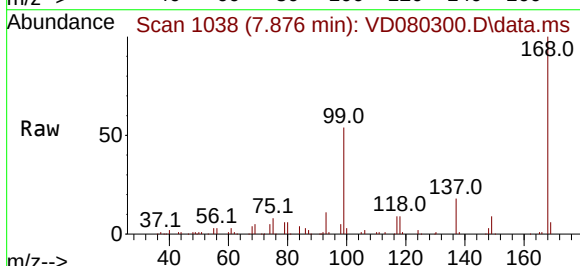
Tgt Ion: 117 Resp: 10798

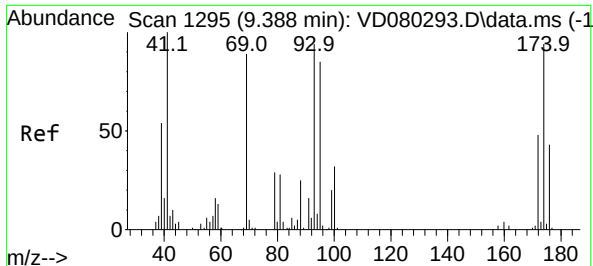
Ion Ratio Lower Upper

117 100

119 10.4 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 5.195 ug/l

RT: 9.241 min Scan# 11

Delta R.T. -0.146 min

Lab File: VD080300.D

Acq: 13 May 2025 14:12

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBL01

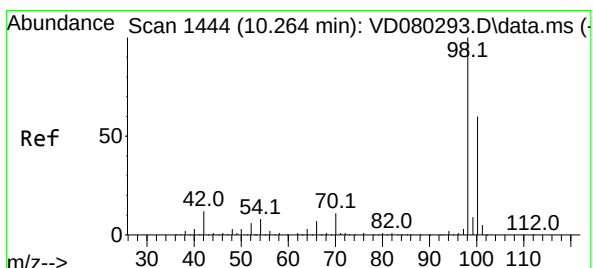
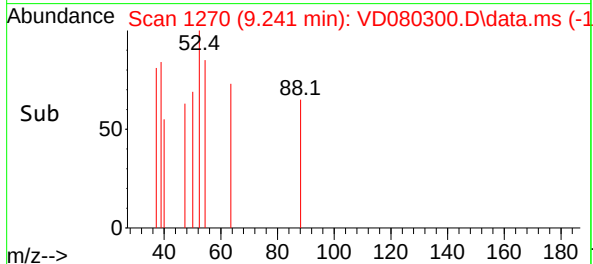
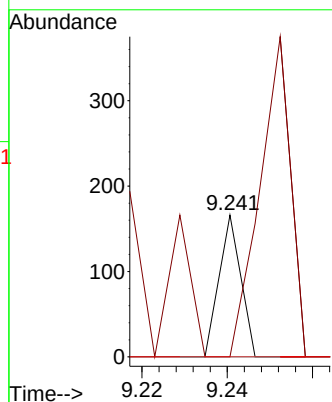
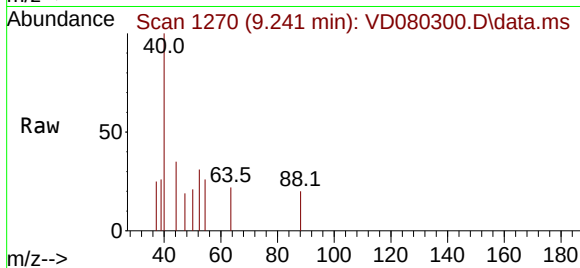
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 316.9 29.1 43.7#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 47.577 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080300.D

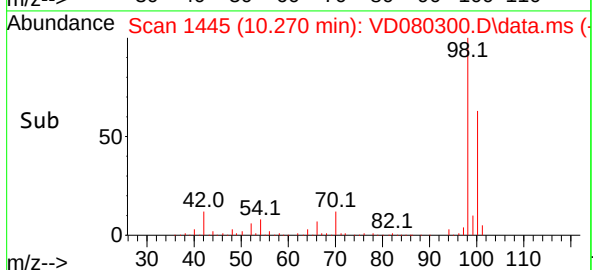
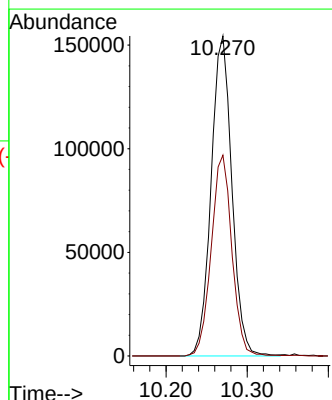
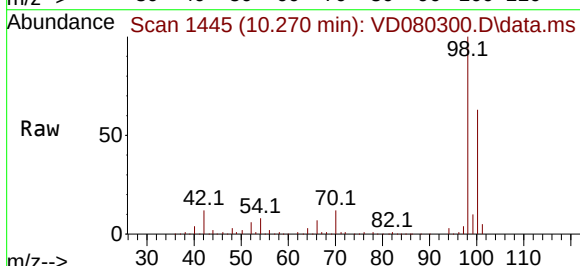
Acq: 13 May 2025 14:12

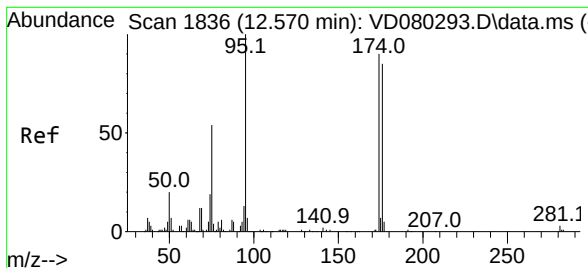
Tgt Ion: 98 Resp: 273872

Ion Ratio Lower Upper

98 100

100 62.5 50.2 75.4

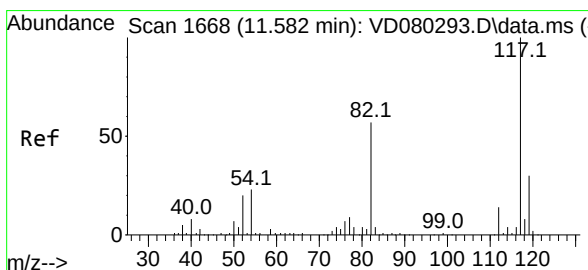
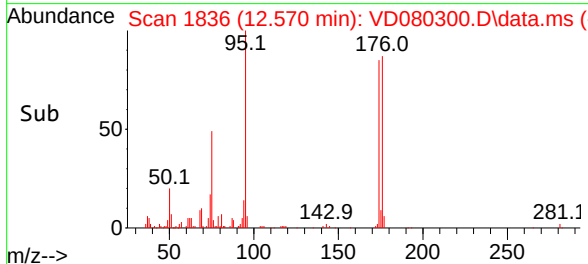
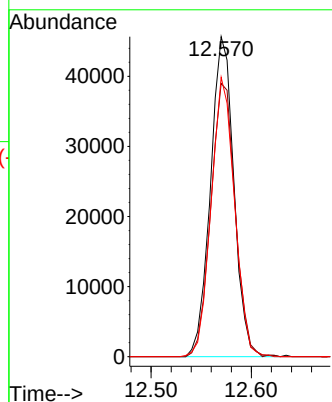
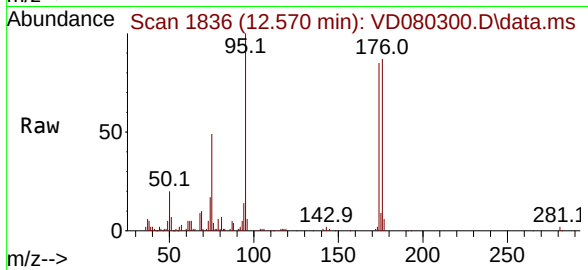




#62
4-Bromofluorobenzene
Concen: 39.943 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080300.D
Acq: 13 May 2025 14:12

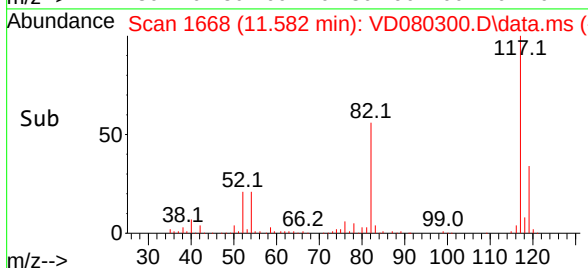
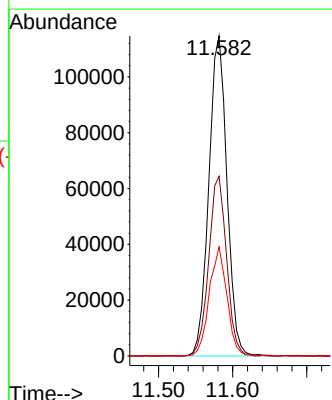
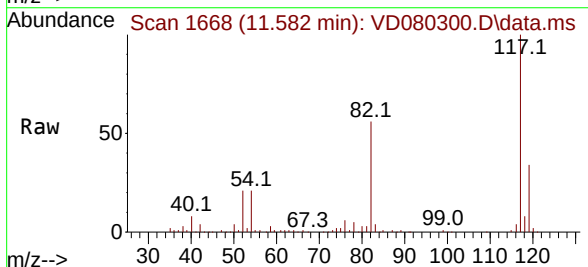
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBL01

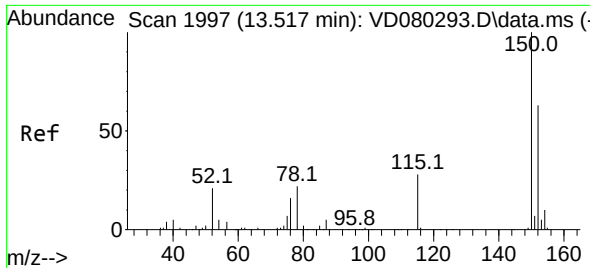
Tgt Ion:	95	Resp:	73798
Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	173.4
176	87.5	0.0	166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080300.D
Acq: 13 May 2025 14:12

Tgt Ion:	117	Resp:	194430
Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.8	68.6
119	34.0	26.2	39.2

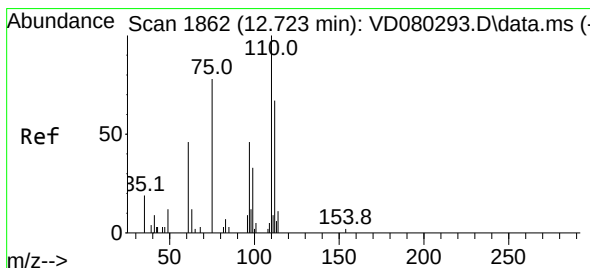
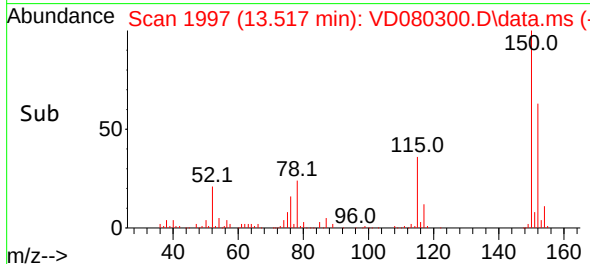
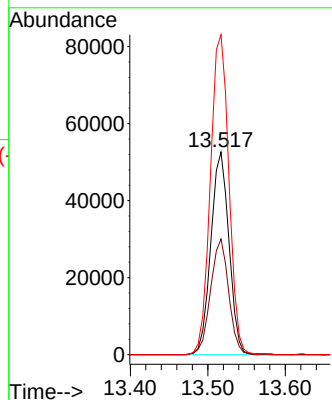
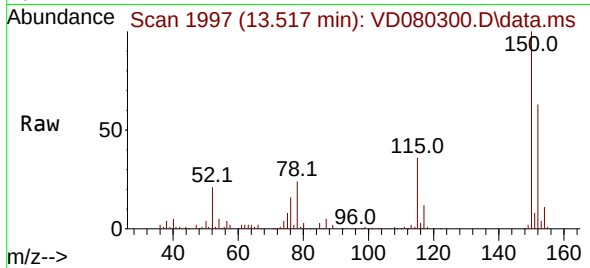




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080300.D
 Acq: 13 May 2025 14:12

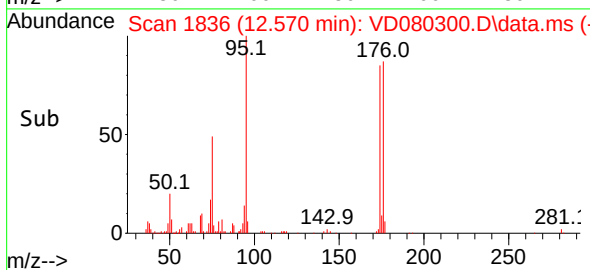
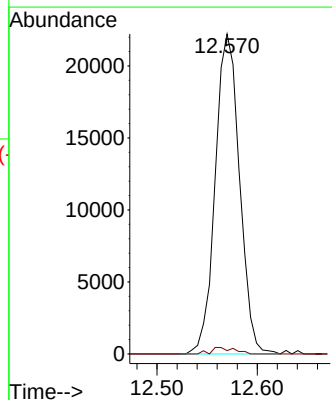
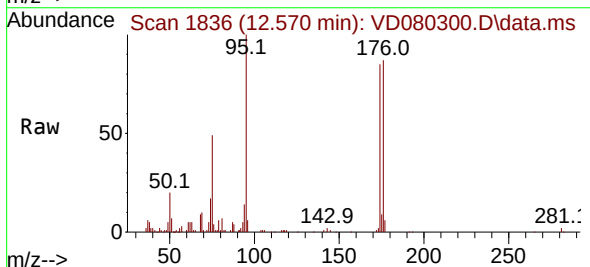
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBL01

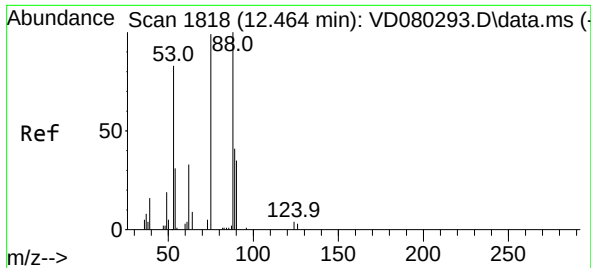
Tgt Ion:152 Resp: 85586
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.9 86.8
 150 160.4 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 45.328 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080300.D
 Acq: 13 May 2025 14:12

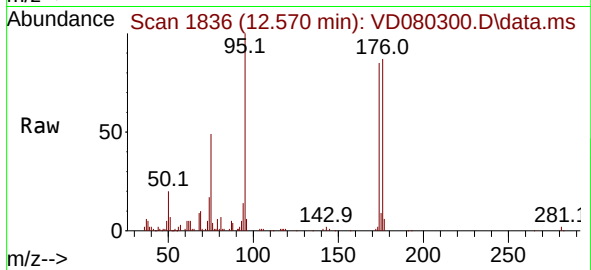
Tgt Ion: 75 Resp: 37442
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.041 ug/l
 RT: 12.570 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VD080300.D
 Acq: 13 May 2025 14:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBL01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.7	68.7	103.1#
89	0.0	36.1	54.1#

