

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080312.D
 Acq On : 13 May 2025 20:11
 Operator : RP/MD
 Sample : Q2004-09
 Misc : 3.48G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-STOCK

Quant Time: May 14 01:36:31 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)

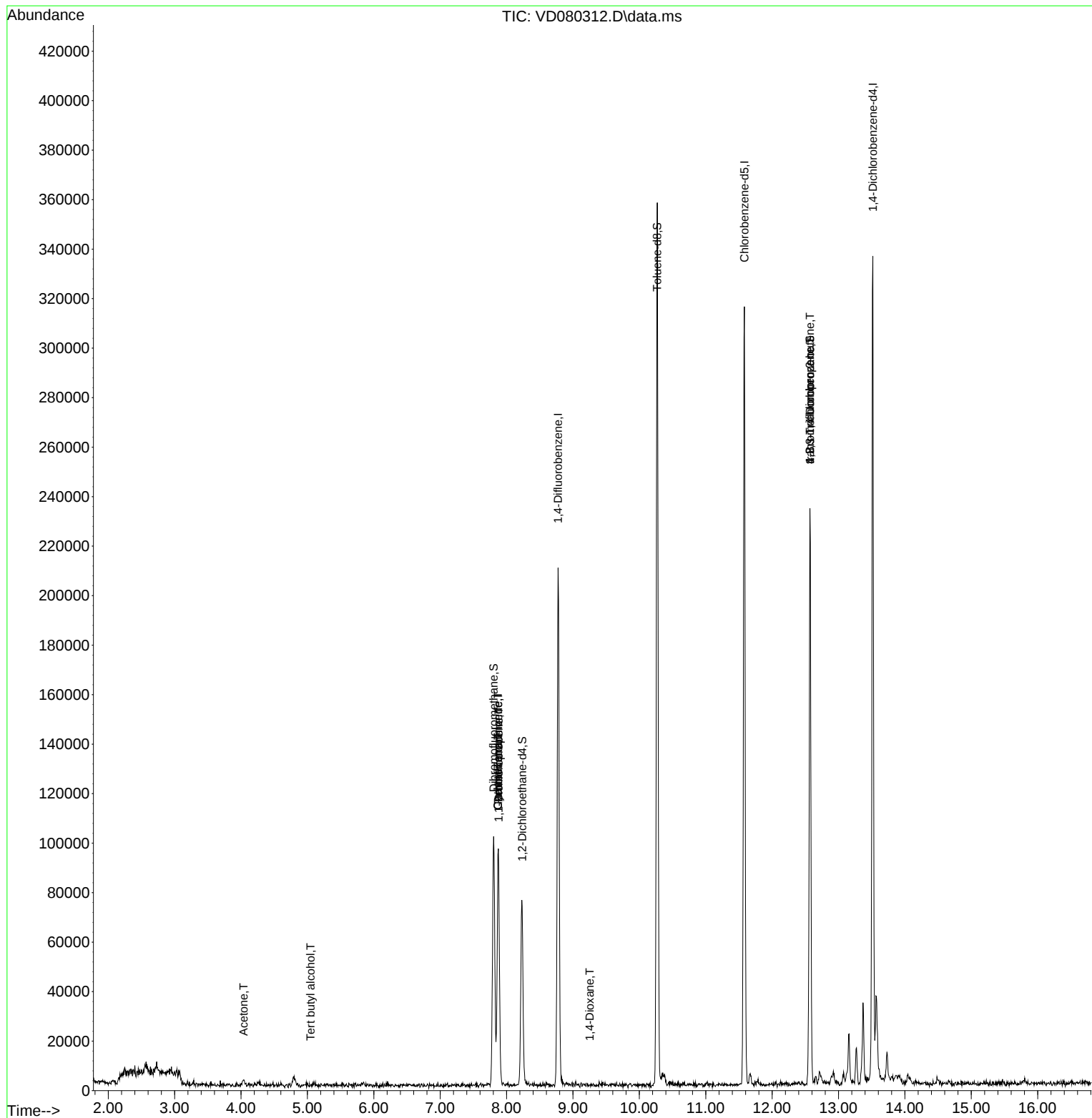
Internal Standards						
1) Pentafluorobenzene	7.876	168	73057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	177025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	173854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	87711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	61810	65.425	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.840%	
35) Dibromofluoromethane	7.805	113	70909	59.764	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.520%	
50) Toluene-d8	10.270	98	243842	52.160	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.320%	
62) 4-Bromofluorobenzene	12.570	95	72155	48.087	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.180%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.012	85	69	Below Cal	#	43
3) Chloromethane	2.141	50	244	Below Cal	#	36
11) Tert butyl alcohol	5.047	59	66	1.151	ug/l #	1
16) Acetone	4.041	43	3254	2.671	ug/l #	65
20) Methylene Chloride	4.788	84	2044	Below Cal		88
31) Cyclohexane	7.870	56	2173	1.416	ug/l #	39
36) 1,1-Dichloropropene	7.882	75	6193	3.492	ug/l #	41
38) Carbon Tetrachloride	7.870	117	6679	3.612	ug/l #	21
49) 1,4-Dioxane	9.252	88	59	6.396	ug/l #	1
76) 1,2,3-Trichloropropane	12.570	75	35766	42.250	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	35766	80.198	ug/l #	15

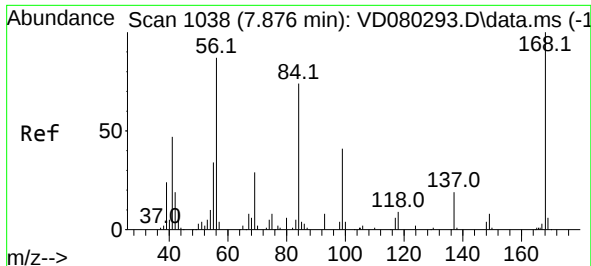
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SOIL-STOCK

Quant Time: May 14 01:36:31 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

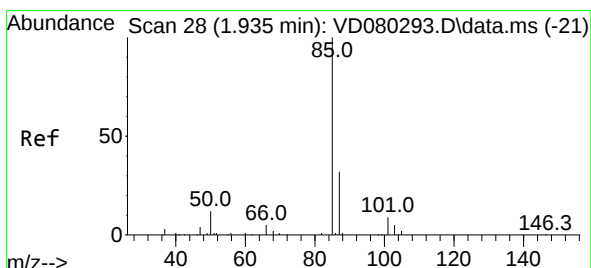
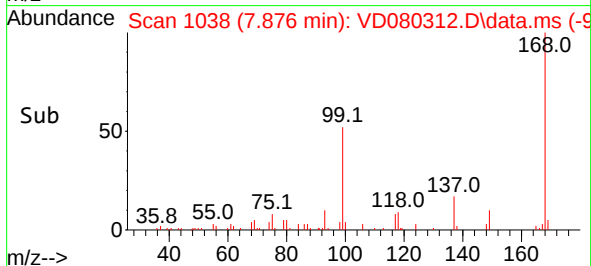
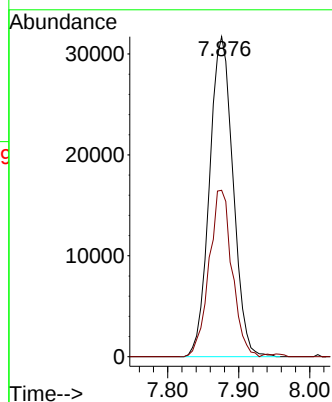
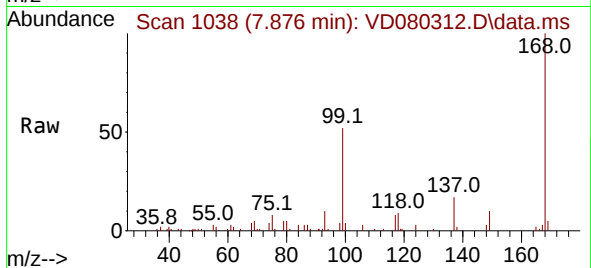




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

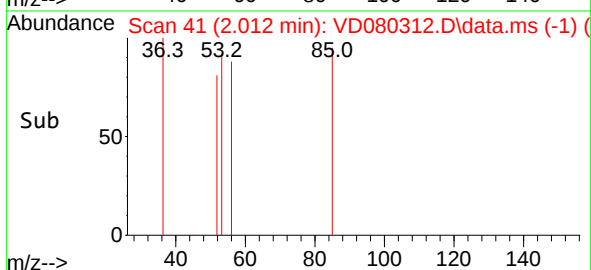
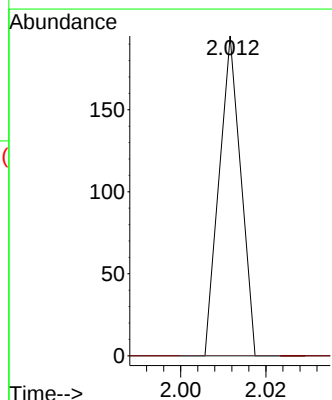
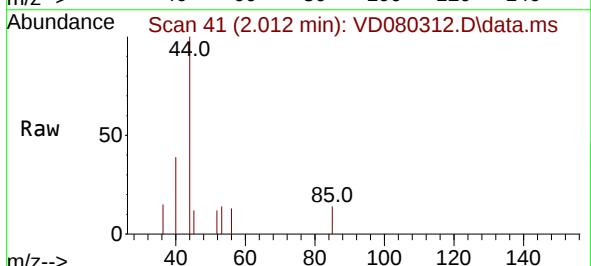
Instrument :
MSVOA_D
ClientSampleId :
SOIL-STOCK

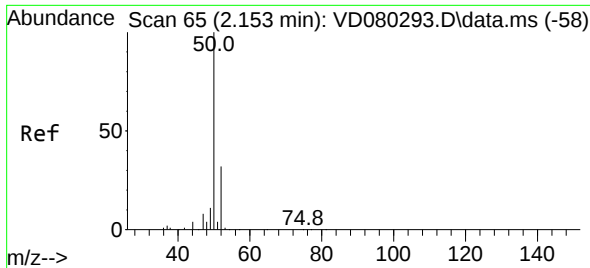
Tgt Ion:168 Resp: 73057
Ion Ratio Lower Upper
168 100
99 52.0 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.012 min Scan# 41
Delta R.T. 0.078 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

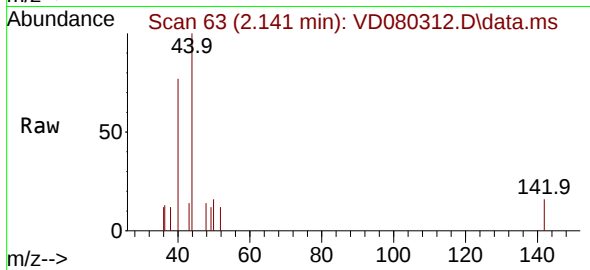
Tgt Ion: 85 Resp: 69
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



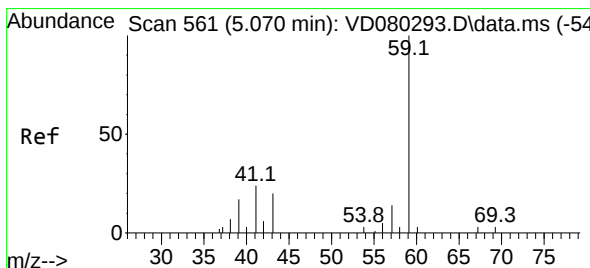
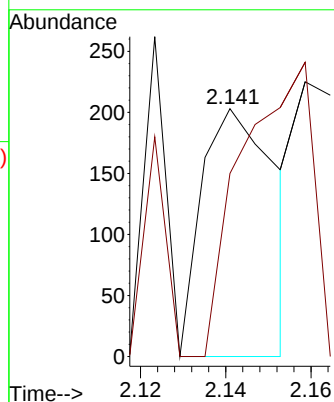
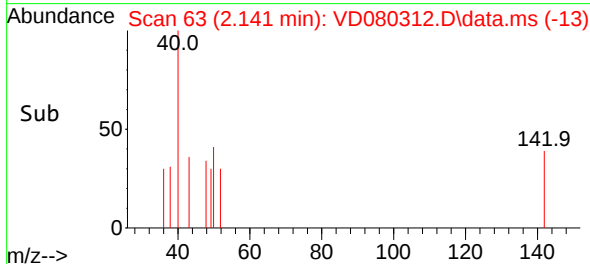


#3
Chloromethane
Concen: Below Cal
RT: 2.141 min Scan# 61
Delta R.T. -0.005 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

Instrument :
MSVOA_D
ClientSampleId :
SOIL-STOCK

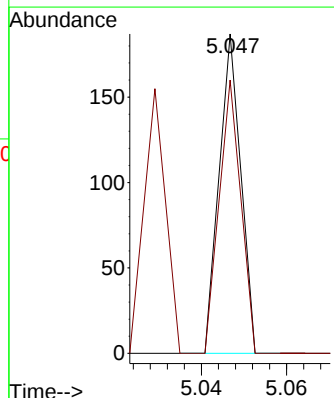
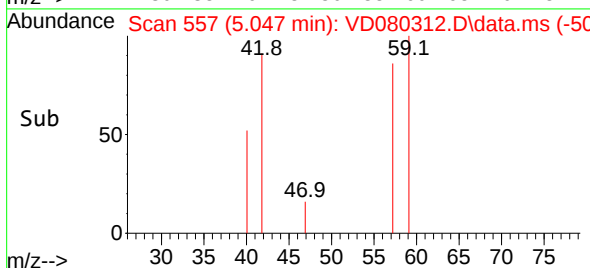
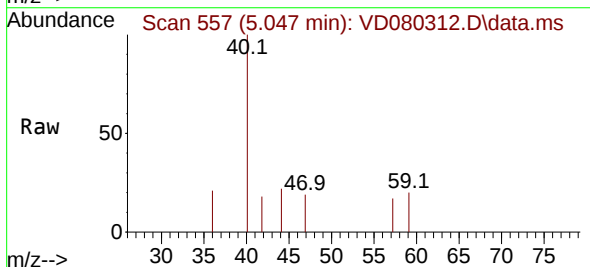


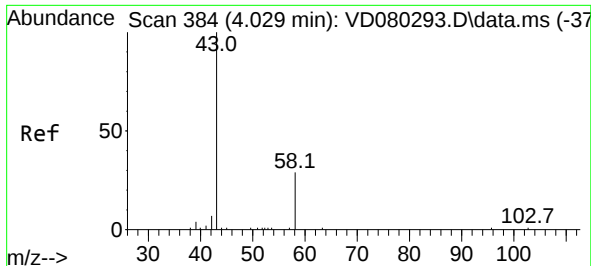
Tgt Ion: 50 Resp: 244
Ion Ratio Lower Upper
50 100
52 73.9 28.8 43.2#



#11
Tert butyl alcohol
Concen: 1.151 ug/l
RT: 5.047 min Scan# 557
Delta R.T. -0.011 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 84.8 4.8 7.2#

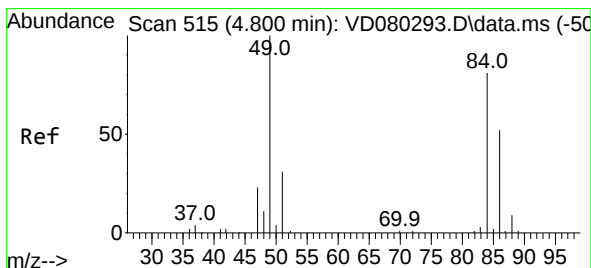
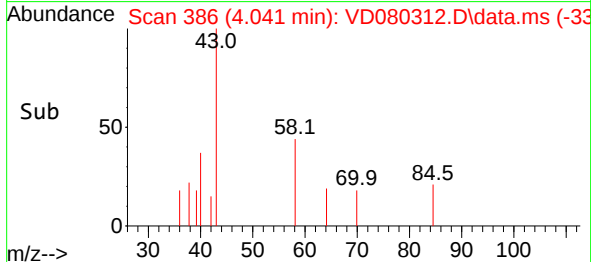
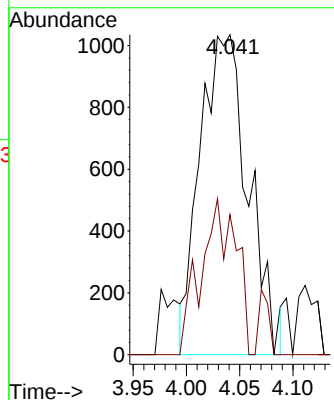
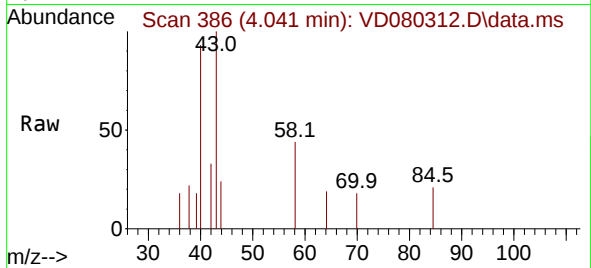




#16
Acetone
Concen: 2.671 ug/l
RT: 4.041 min Scan# 31
Delta R.T. 0.018 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

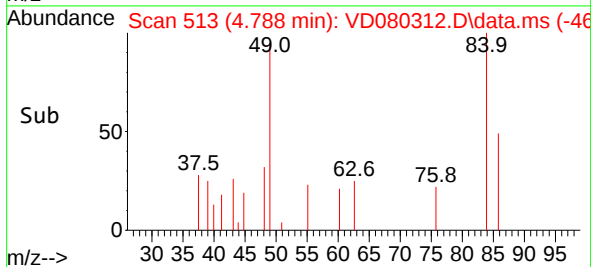
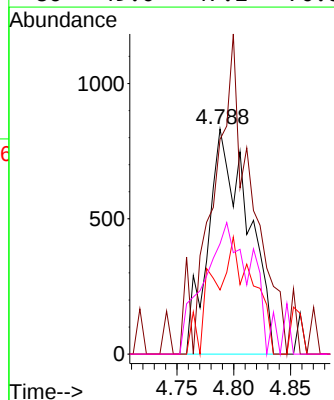
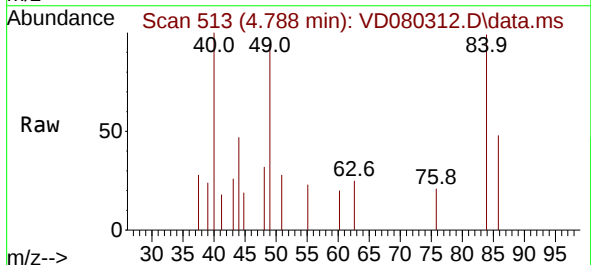
Instrument :
MSVOA_D
ClientSampleId :
SOIL-STOCK

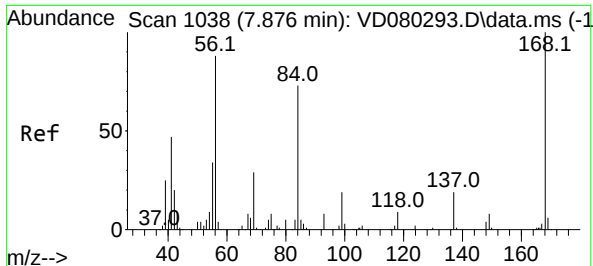
Tgt Ion: 43 Resp: 3254
Ion Ratio Lower Upper
43 100
58 51.5 25.4 38.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.788 min Scan# 513
Delta R.T. -0.017 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

Tgt Ion: 84 Resp: 2044
Ion Ratio Lower Upper
84 100
49 95.4 86.5 129.7
51 28.5 26.9 40.3
86 49.0 47.2 70.8





#31

Cyclohexane

Concen: 1.416 ug/l

RT: 7.870 min Scan# 1038

Delta R.T. -0.011 min

Lab File: VD080312.D

Acq: 13 May 2025 20:11

Instrument :

MSVOA_D

ClientSampleId :

SOIL-STOCK

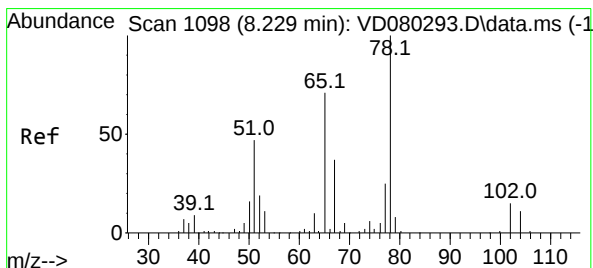
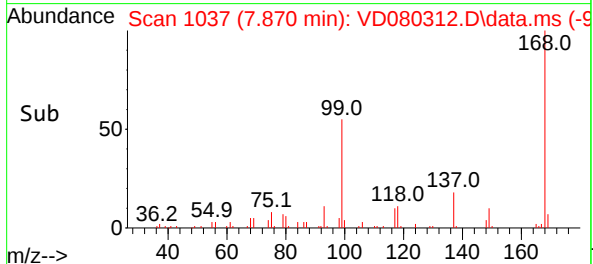
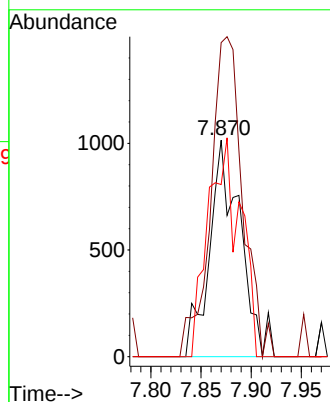
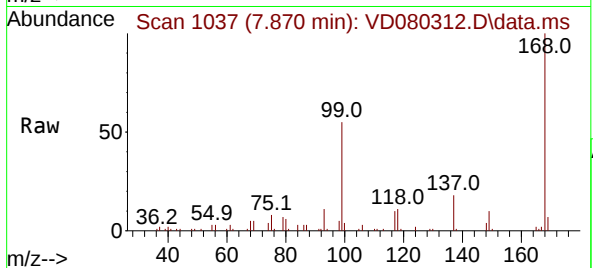
Tgt Ion: 56 Resp: 2173

Ion Ratio Lower Upper

56 100

69 145.0 27.3 40.9#

84 79.5 70.2 105.4



#33

1,2-Dichloroethane-d4

Concen: 65.425 ug/l

RT: 8.235 min Scan# 1099

Delta R.T. 0.007 min

Lab File: VD080312.D

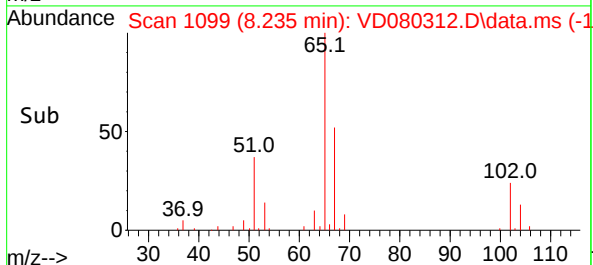
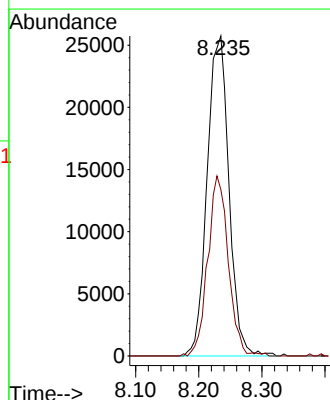
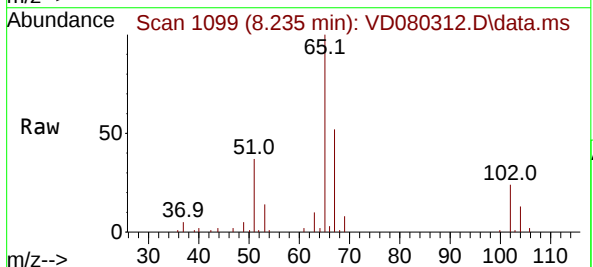
Acq: 13 May 2025 20:11

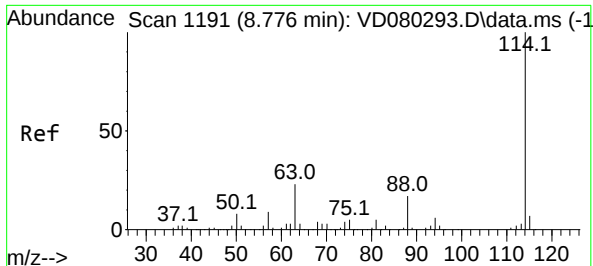
Tgt Ion: 65 Resp: 61810

Ion Ratio Lower Upper

65 100

67 53.1 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: VD080312.D

Acq: 13 May 2025 20:11

Instrument :

MSVOA_D

ClientSampleId :

SOIL-STOCK

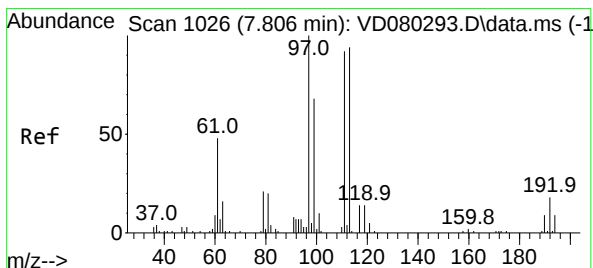
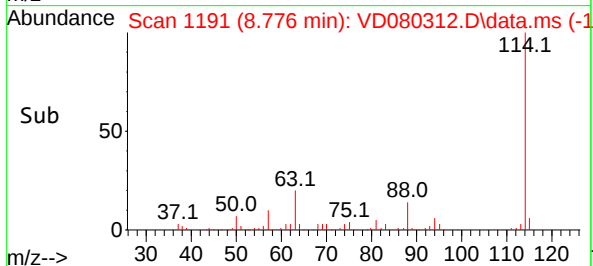
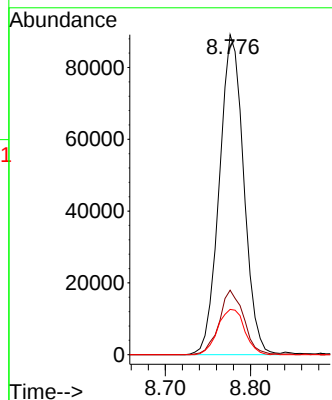
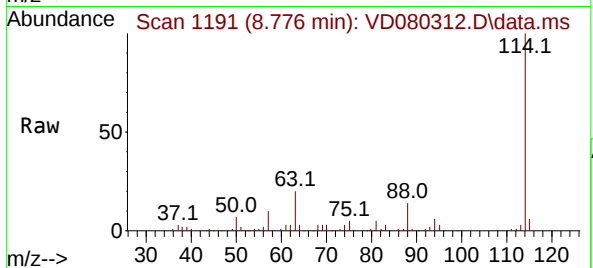
Tgt Ion:114 Resp: 177025

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 59.764 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080312.D

Acq: 13 May 2025 20:11

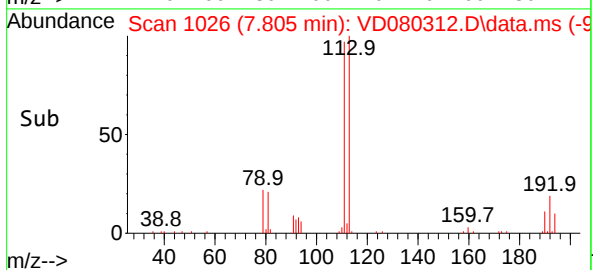
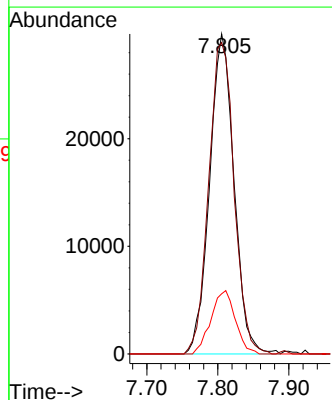
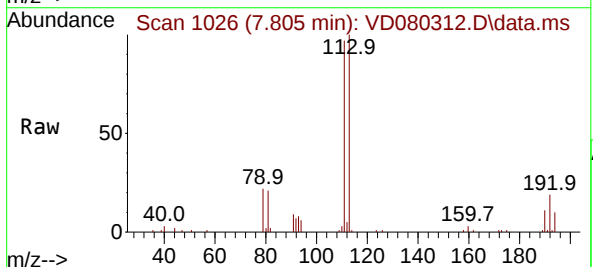
Tgt Ion:113 Resp: 70909

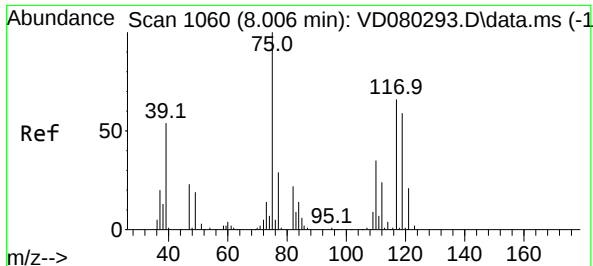
Ion Ratio Lower Upper

113 100

111 101.2 82.5 123.7

192 19.8 16.6 25.0





#36

1,1-Dichloropropene

Concen: 3.492 ug/l

RT: 7.882 min Scan# 1039

Delta R.T. -0.123 min

Lab File: VD080312.D

Acq: 13 May 2025 20:11

Instrument :

MSVOA_D

ClientSampleId :

SOIL-STOCK

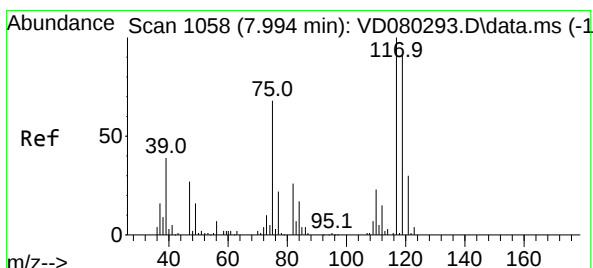
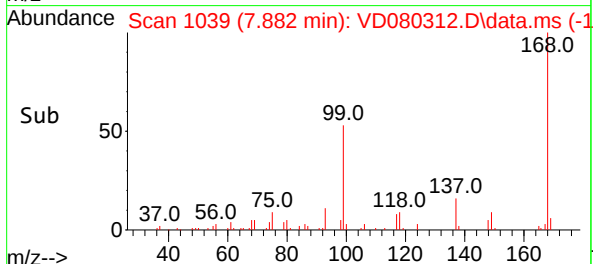
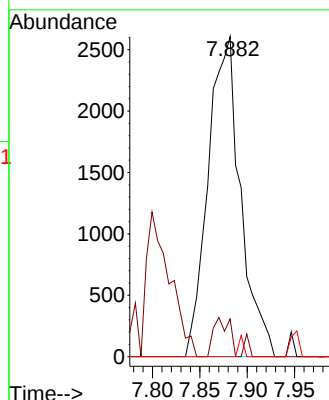
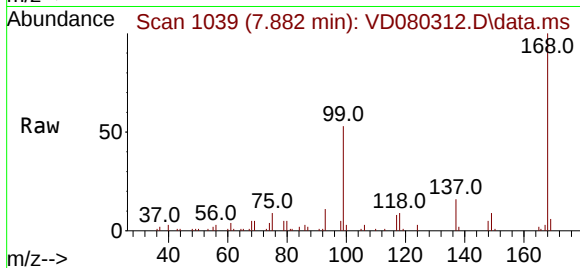
Tgt Ion: 75 Resp: 6193

Ion Ratio Lower Upper

75 100

110 0.0 18.4 55.0#

77 1.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 3.612 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.117 min

Lab File: VD080312.D

Acq: 13 May 2025 20:11

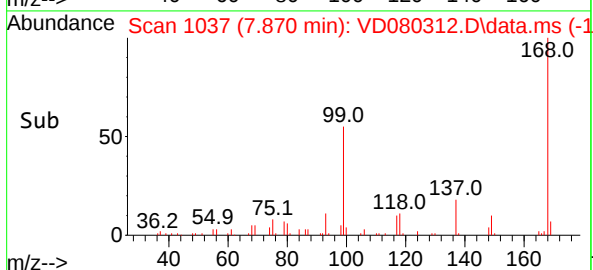
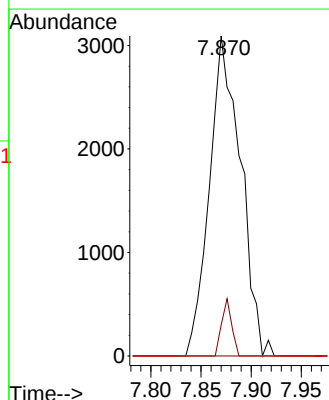
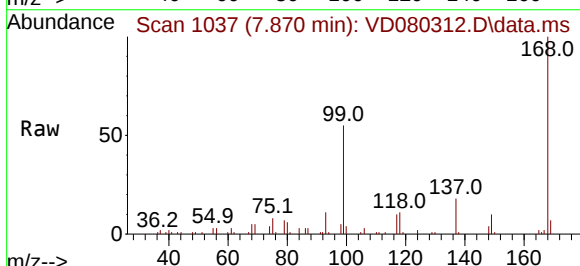
Tgt Ion: 117 Resp: 6679

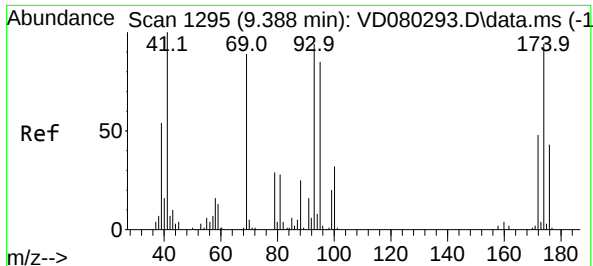
Ion Ratio Lower Upper

117 100

119 9.6 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 6.396 ug/l

RT: 9.252 min Scan# 11

Delta R.T. -0.135 min

Lab File: VD080312.D

Acq: 13 May 2025 20:11

Instrument :

MSVOA_D

ClientSampleId :

SOIL-STOCK

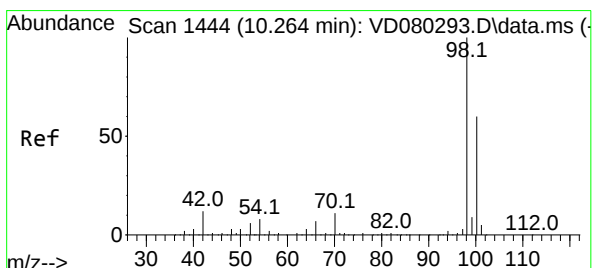
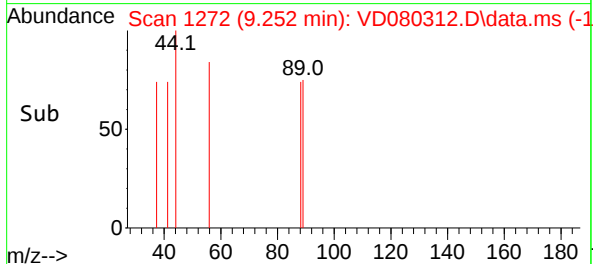
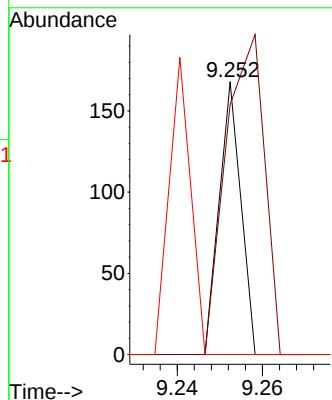
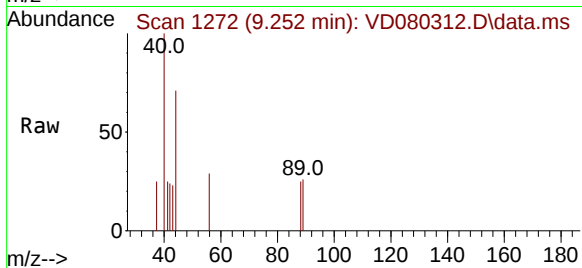
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 210.2 29.1 43.7#

58 110.2 59.9 89.9#



#50

Toluene-d8

Concen: 52.160 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080312.D

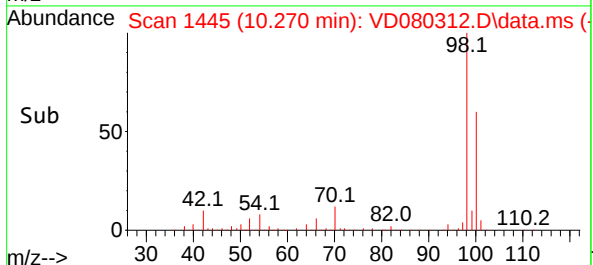
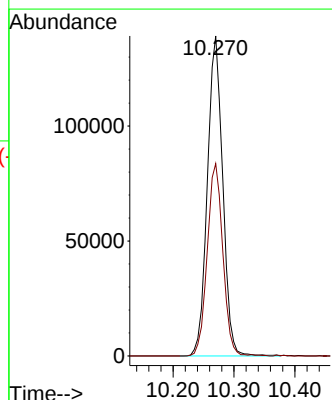
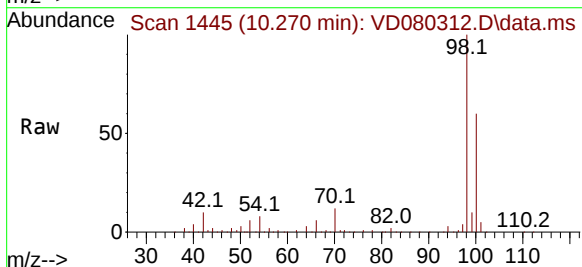
Acq: 13 May 2025 20:11

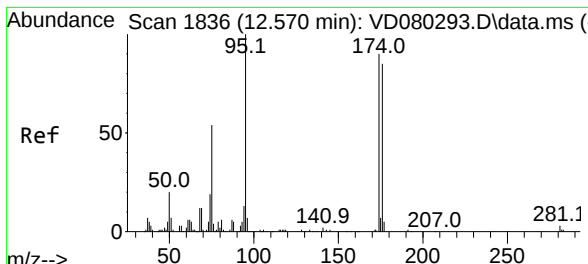
Tgt Ion: 98 Resp: 243842

Ion Ratio Lower Upper

98 100

100 61.1 50.2 75.4

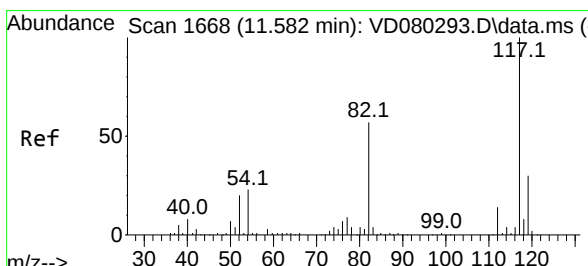
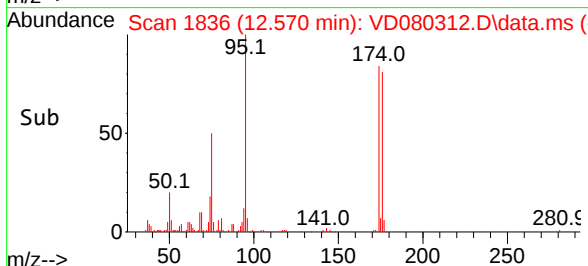
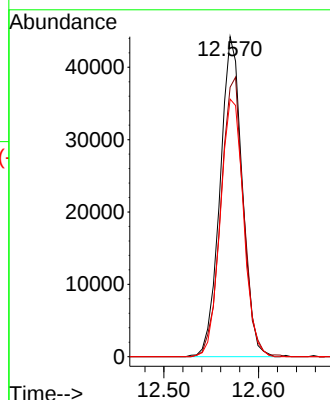
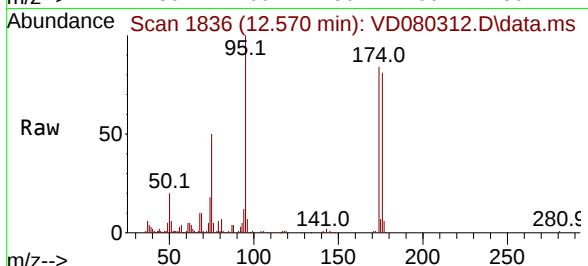




#62
4-Bromofluorobenzene
Concen: 48.087 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

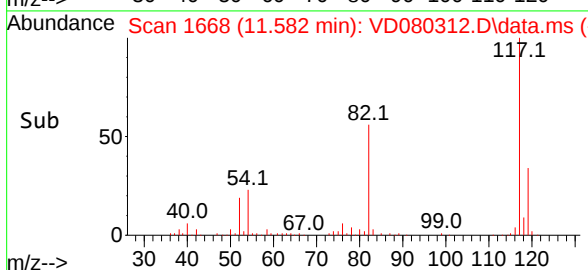
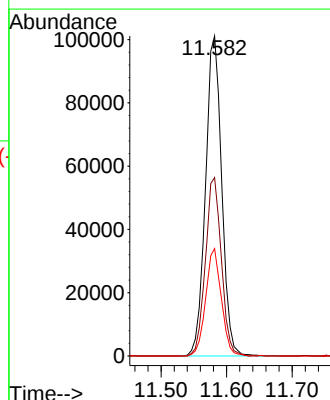
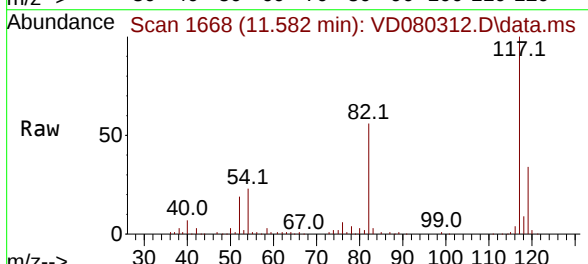
Instrument :
MSVOA_D
ClientSampleId :
SOIL-STOCK

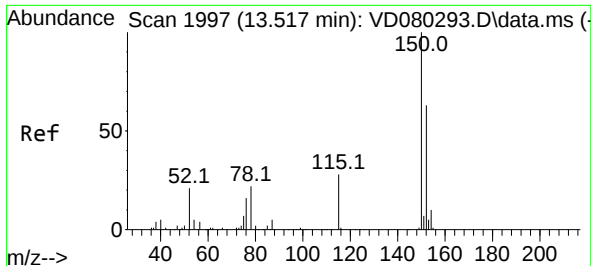
Tgt Ion:	95	Resp:	72155
Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	173.4
176	83.9	0.0	166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

Tgt Ion:	117	Resp:	173854
Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.8	68.6
119	33.6	26.2	39.2

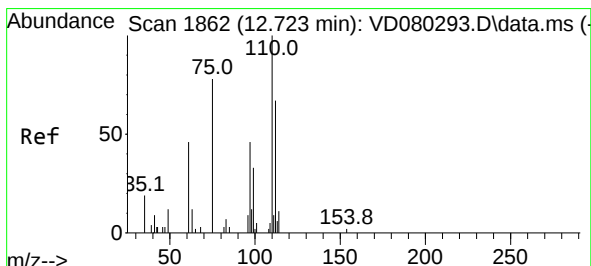
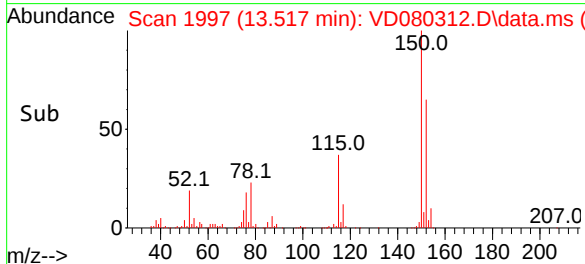
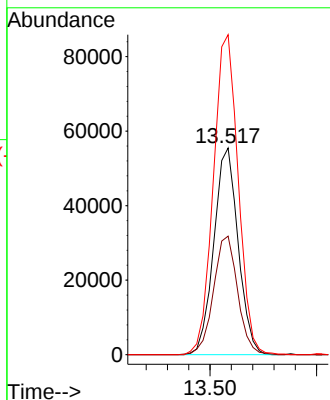
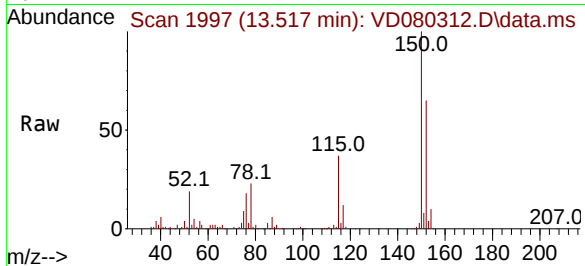




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080312.D
 Acq: 13 May 2025 20:11

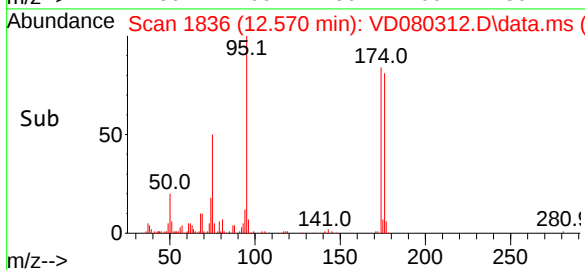
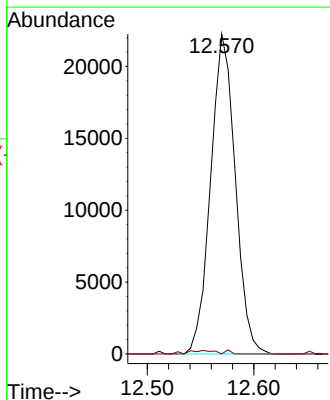
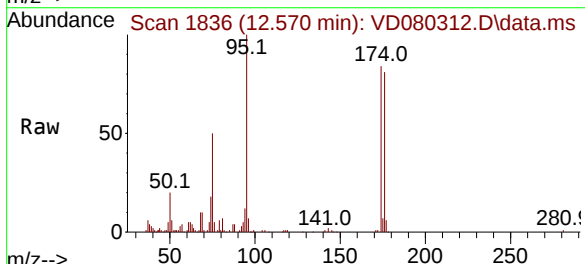
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-STOCK

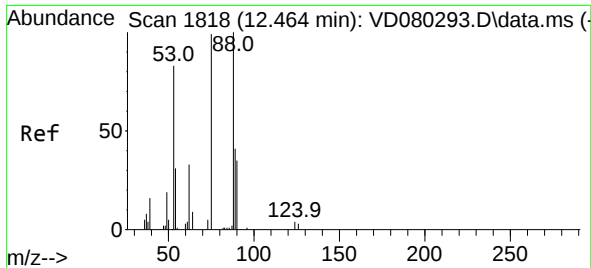
Tgt Ion:152 Resp: 87711
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.9 86.8
 150 158.3 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 42.250 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080312.D
 Acq: 13 May 2025 20:11

Tgt Ion: 75 Resp: 35766
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.198 ug/l
 RT: 12.570 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VD080312.D
 Acq: 13 May 2025 20:11

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-STOCK

Tgt Ion: 75 Resp: 35766
 Ion Ratio Lower Upper
 75 100
 53 0.4 68.7 103.1#
 89 0.3 36.1 54.1#

