

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076212.D
 Acq On : 24 May 2023 14:11
 Operator : KP/SY
 Sample : 02864-07
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-BIN

Quant Time: May 24 16:26:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

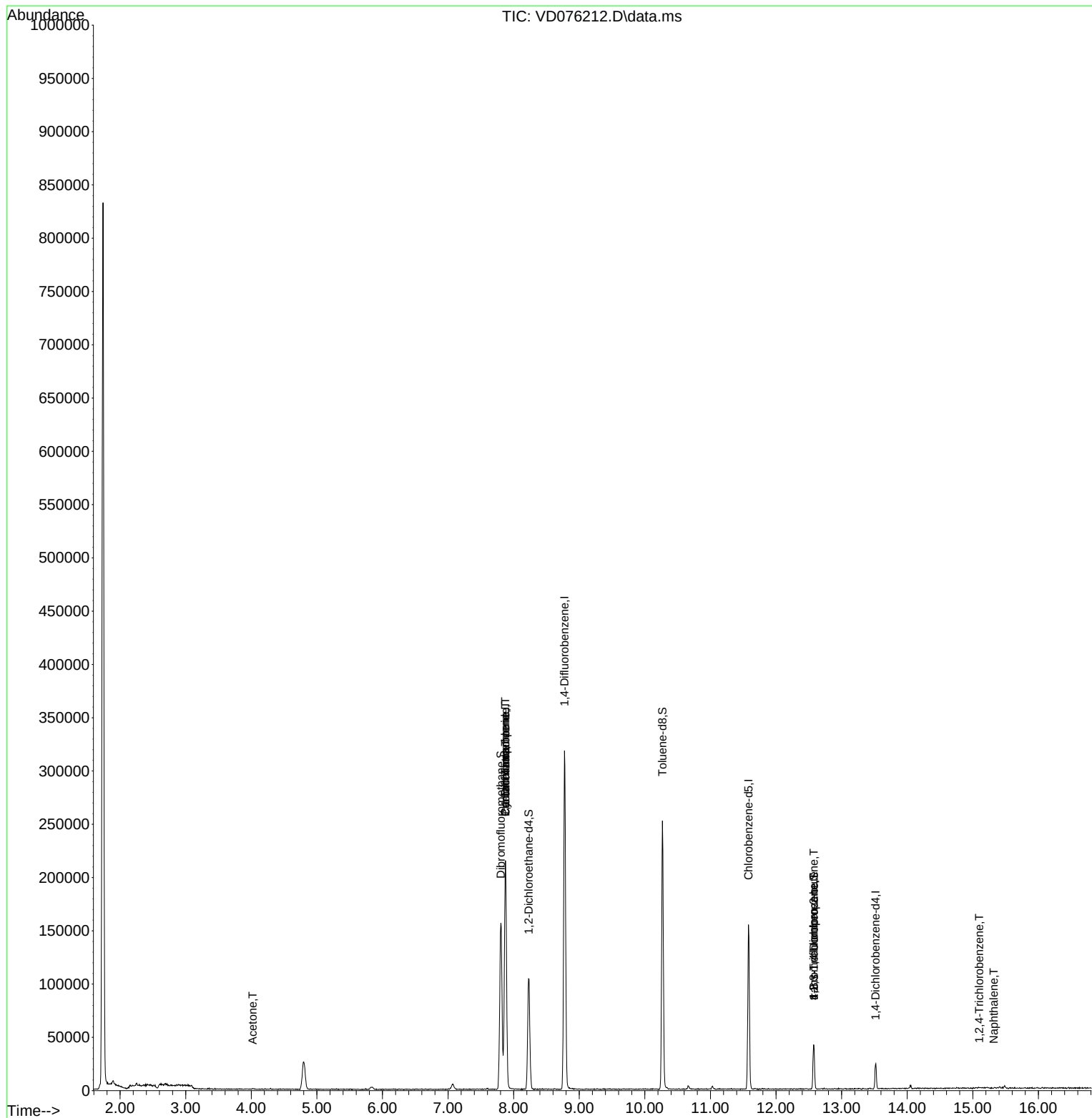
Internal Standards						
1) Pentafluorobenzene	7.875	168	176242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	303060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	98522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	7763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82718	48.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.120%
35) Dibromofluoromethane	7.804	113	118788	56.706	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.420%
50) Toluene-d8	10.269	98	184561	22.601	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	45.200%#
62) 4-Bromofluorobenzene	12.575	95	12822	5.652	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	11.300%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	596	Below Cal		93
16) Acetone	4.022	43	586	1.729 ug/l	#	67
20) Methylene Chloride	4.793	84	23287	Below Cal	#	72
31) Cyclohexane	7.875	56	3447	1.321 ug/l	#	1
36) 1,1-Dichloropropene	7.875	75	13798	4.877 ug/l	#	49
38) Carbon Tetrachloride	7.875	117	15851	6.203 ug/l	#	18
76) 1,2,3-Trichloropropane	12.575	75	6540	96.272 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.575	75	6540	201.962 ug/l	#	5
93) 1,2,4-Trichlorobenzene	15.098	180	146	1.028 ug/l	#	73
95) Naphthalene	15.322	128	775	2.936 ug/l	#	69

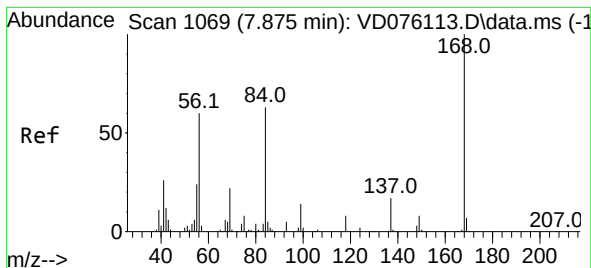
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 2023
Response via : Initial Calibration

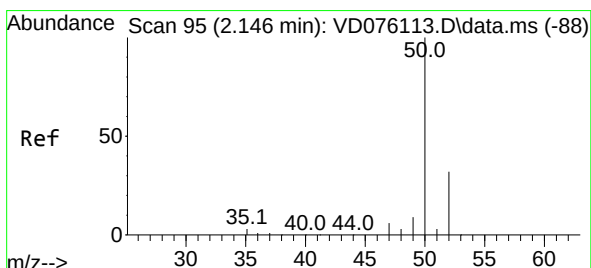
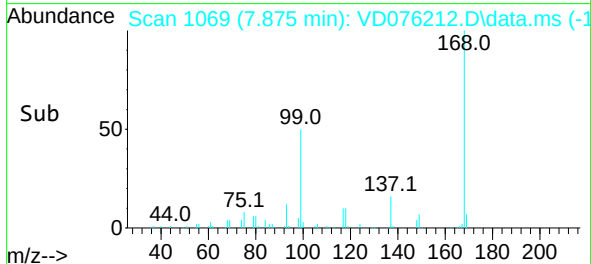
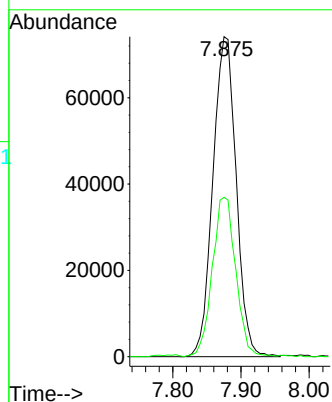
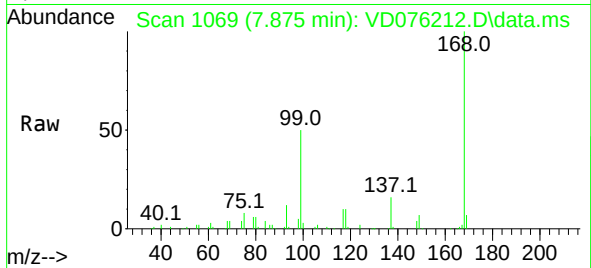




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076212.D
Acq: 24 May 2023 14:11

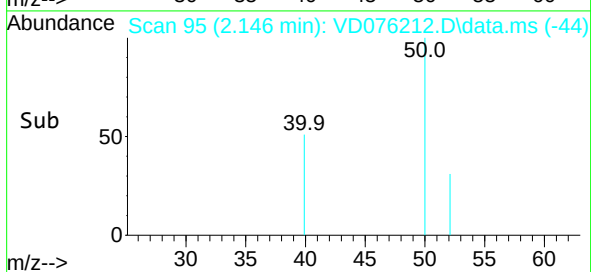
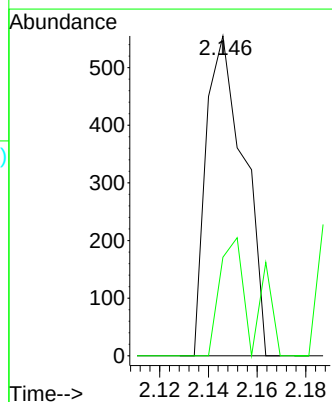
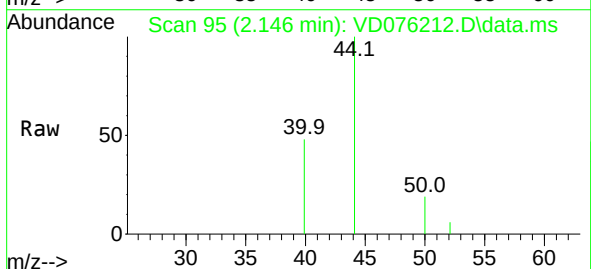
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

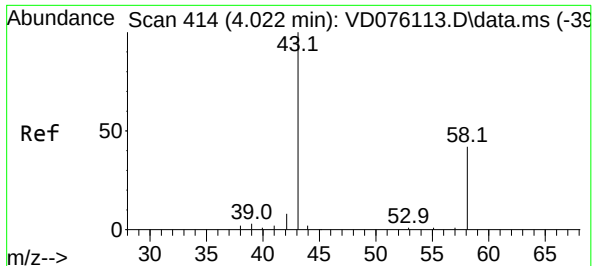
Tgt Ion:168 Resp: 176242
Ion Ratio Lower Upper
168 100
99 49.6 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076212.D
Acq: 24 May 2023 14:11

Tgt Ion: 50 Resp: 596
Ion Ratio Lower Upper
50 100
52 30.8 27.8 41.8

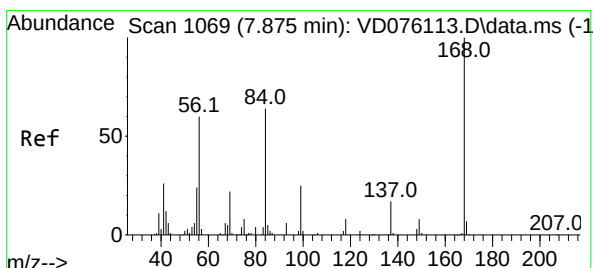
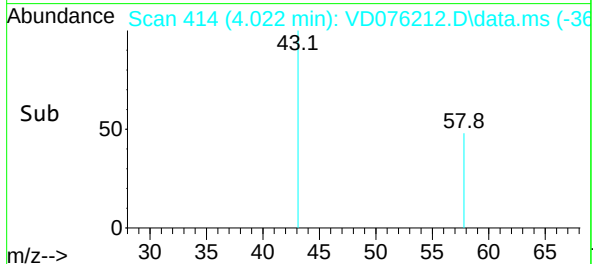
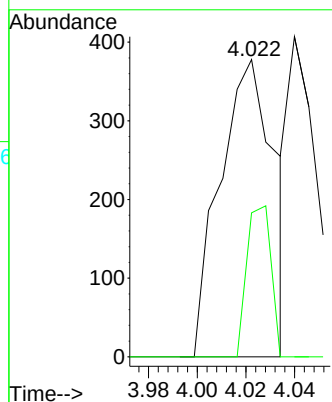
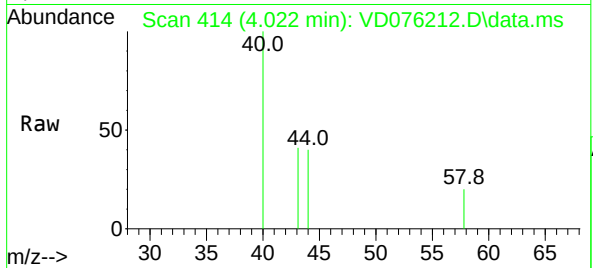




#16
Acetone
Concen: 1.729 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD076212.D
Acq: 24 May 2023 14:11

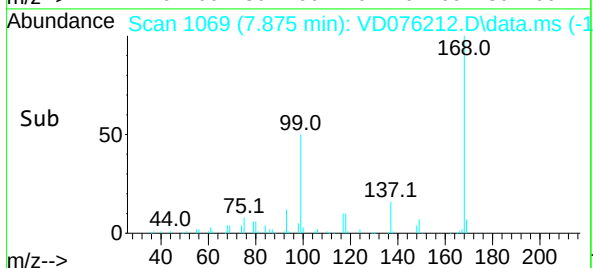
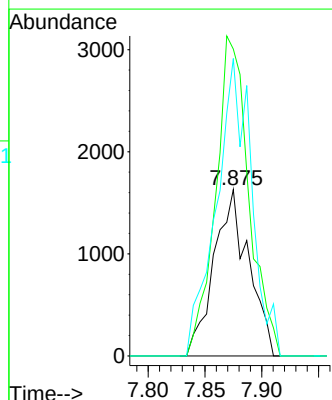
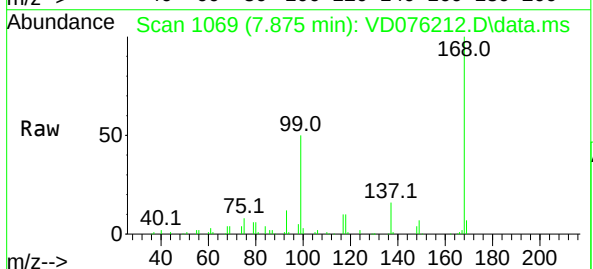
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

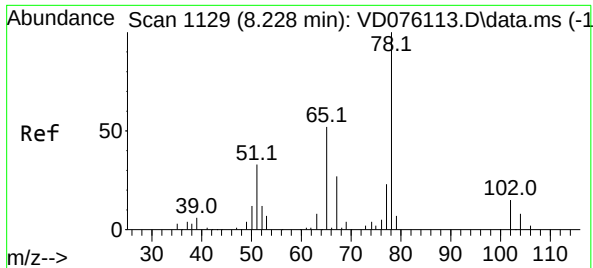
Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
58 48.4 24.4 36.6#



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076212.D
Acq: 24 May 2023 14:11

Tgt Ion: 56 Resp: 3447
Ion Ratio Lower Upper
56 100
69 184.5 25.5 38.3#
84 178.8 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 48.562 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076212.D

Acq: 24 May 2023 14:11

Instrument :

MSVOA_D

ClientSampleId :

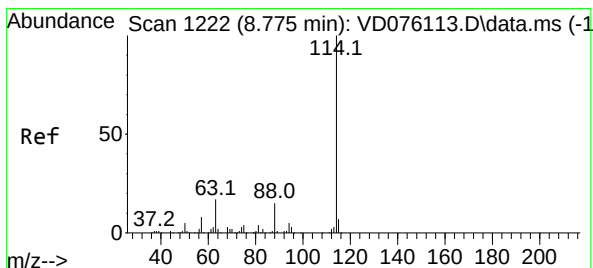
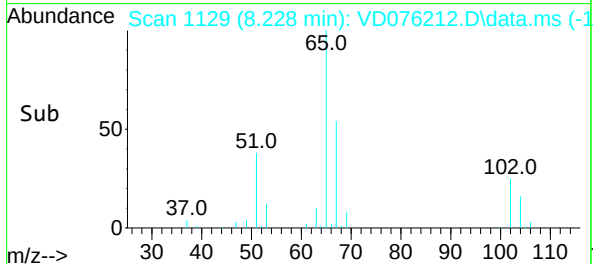
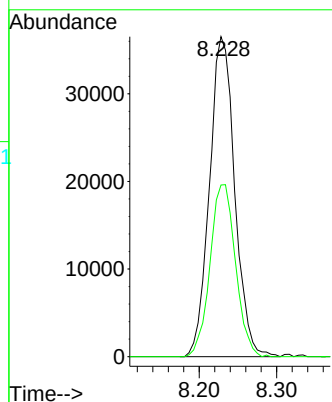
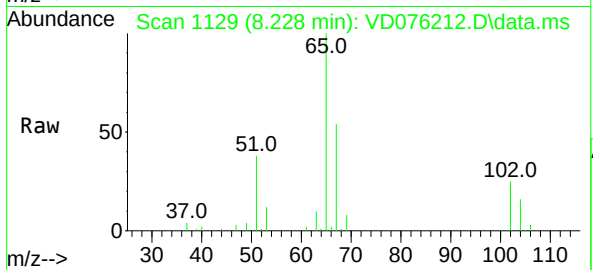
SOIL-BIN

Tgt Ion: 65 Resp: 82718

Ion Ratio Lower Upper

65 100

67 54.3 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076212.D

Acq: 24 May 2023 14:11

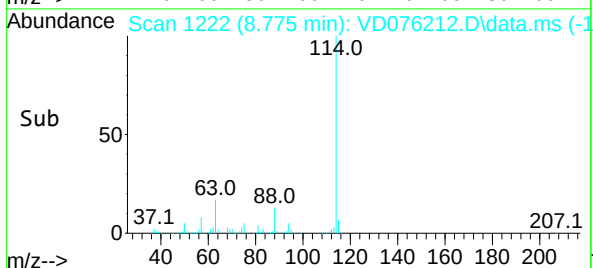
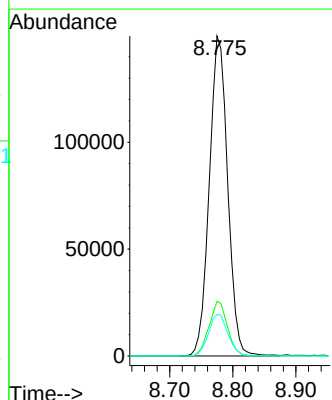
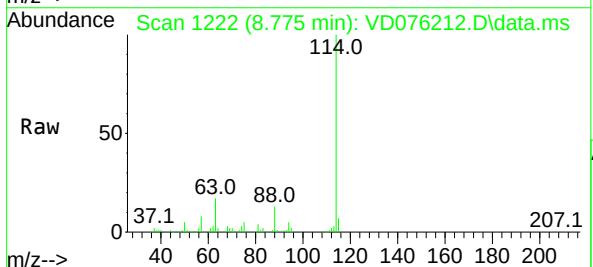
Tgt Ion: 114 Resp: 303060

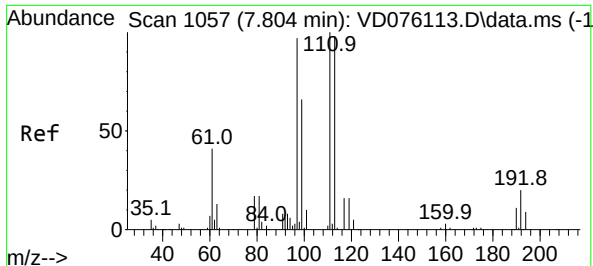
Ion Ratio Lower Upper

114 100

63 17.1 0.0 41.6

88 12.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.706 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076212.D

Acq: 24 May 2023 14:11

Instrument :

MSVOA_D

ClientSampleId :

SOIL-BIN

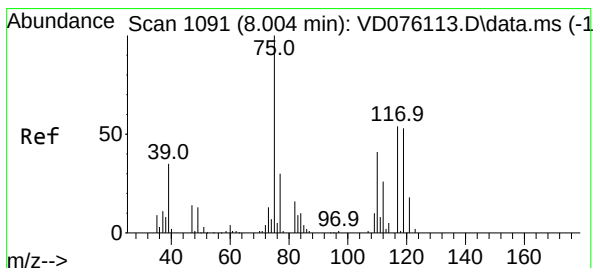
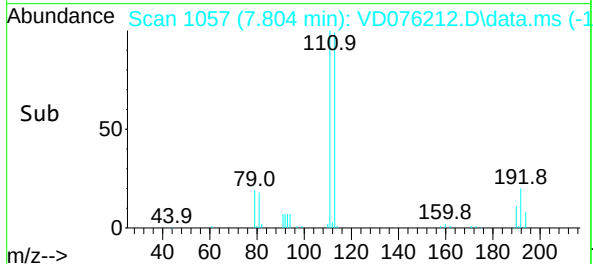
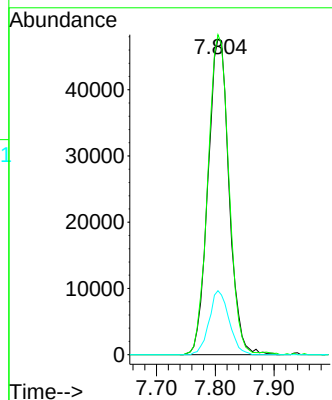
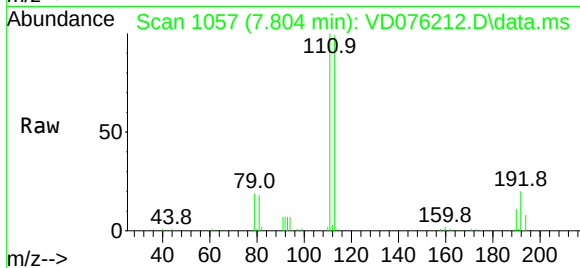
Tgt Ion:113 Resp: 118788

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.0

192 19.1 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD076212.D

Acq: 24 May 2023 14:11

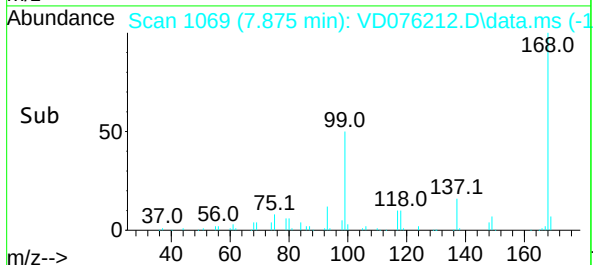
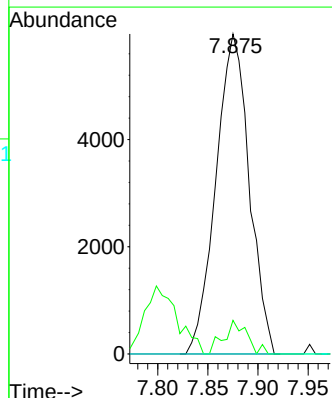
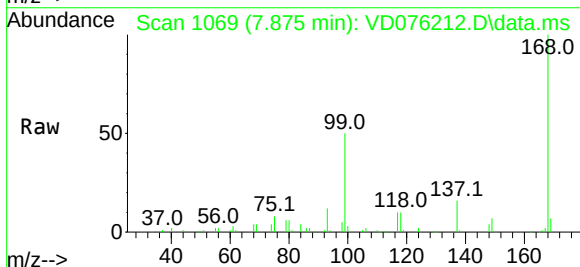
Tgt Ion: 75 Resp: 13798

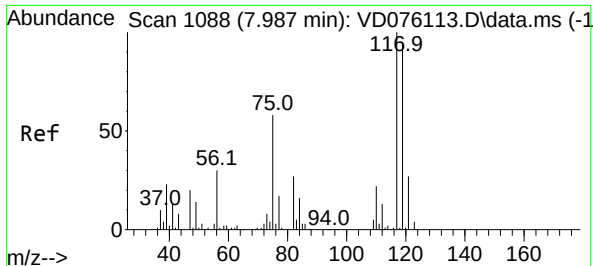
Ion Ratio Lower Upper

75 100

110 7.2 17.1 51.2#

77 0.0 24.6 36.8#

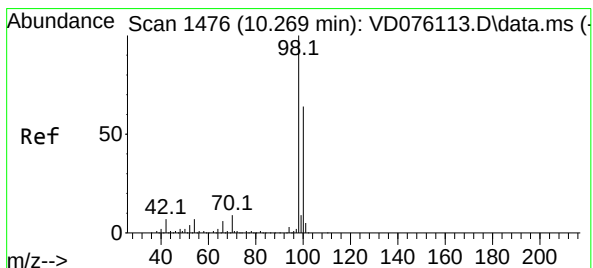
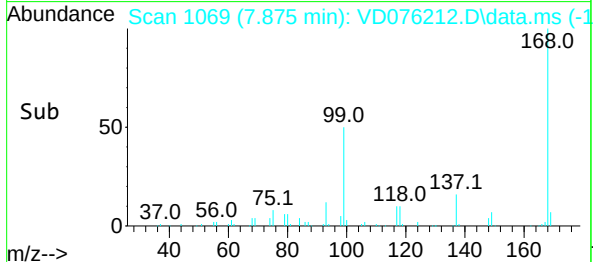
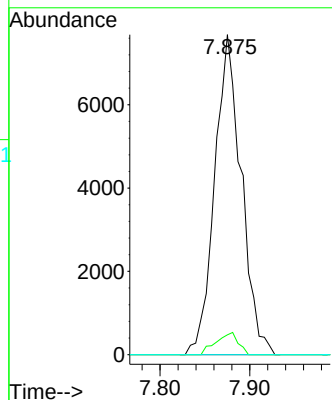
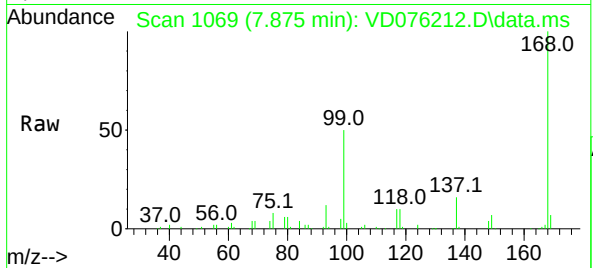




#38
Carbon Tetrachloride
Concen: 6.203 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076212.D
Acq: 24 May 2023 14:11

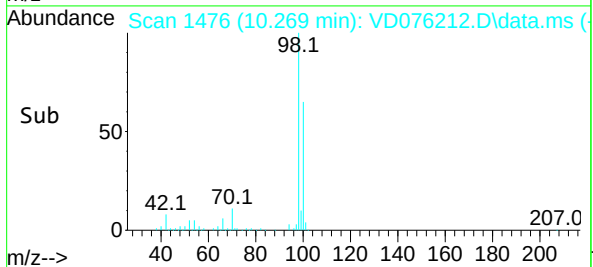
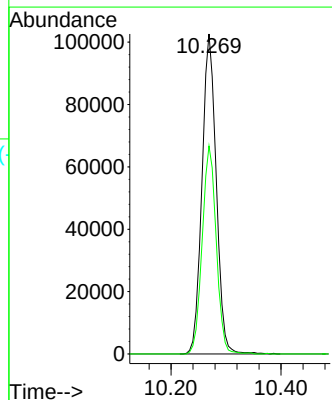
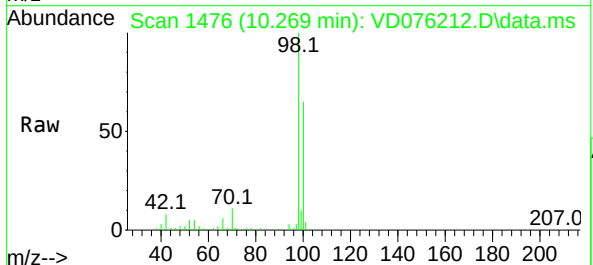
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

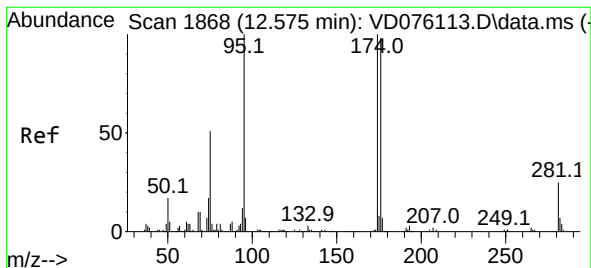
Tgt Ion:117 Resp: 15851
Ion Ratio Lower Upper
117 100
119 6.2 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 22.601 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076212.D
Acq: 24 May 2023 14:11

Tgt Ion: 98 Resp: 184561
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1

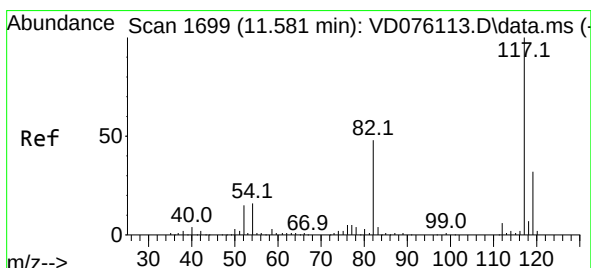
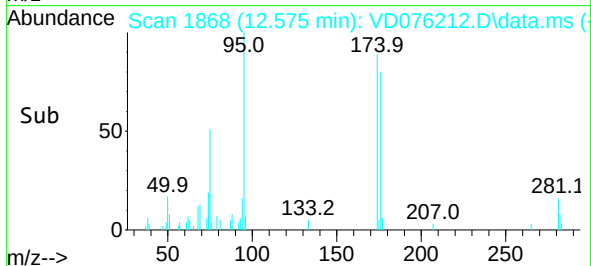
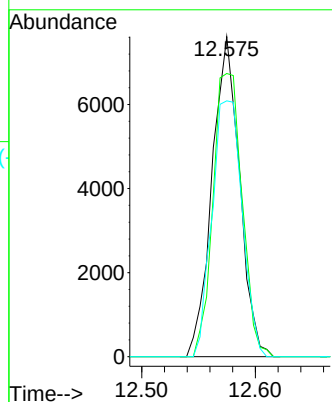
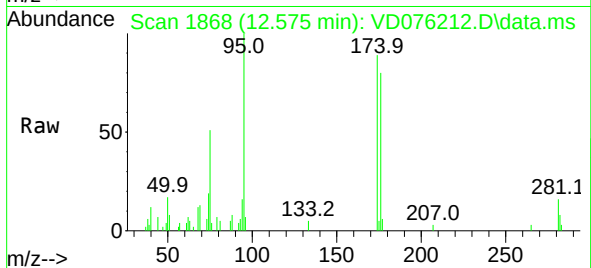




#62
4-Bromofluorobenzene
Concen: 5.652 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076212.D
Acq: 24 May 2023 14:11

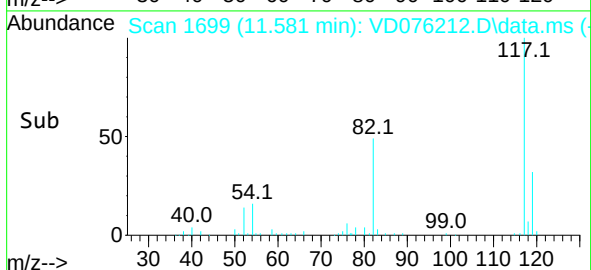
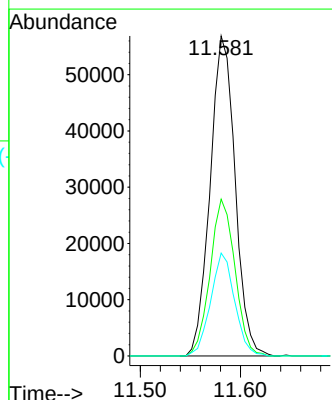
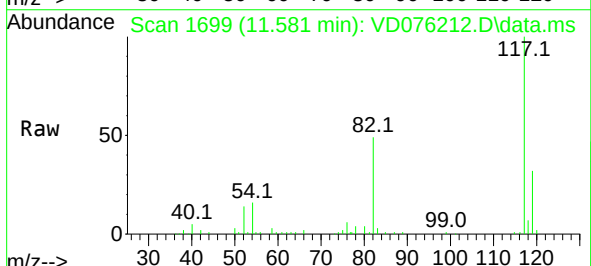
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

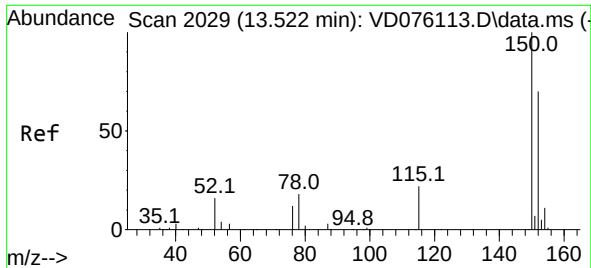
Tgt Ion: 95 Resp: 12822
Ion Ratio Lower Upper
95 100
174 93.5 0.0 164.0
176 87.7 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076212.D
Acq: 24 May 2023 14:11

Tgt Ion: 117 Resp: 98522
Ion Ratio Lower Upper
117 100
82 49.0 44.0 66.0
119 32.1 25.1 37.7

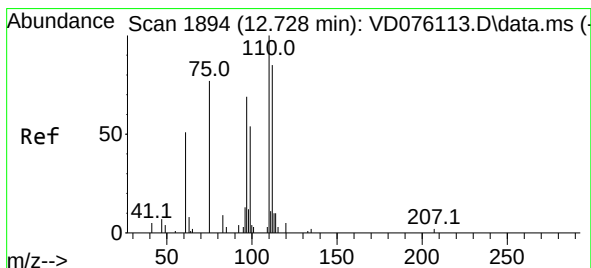
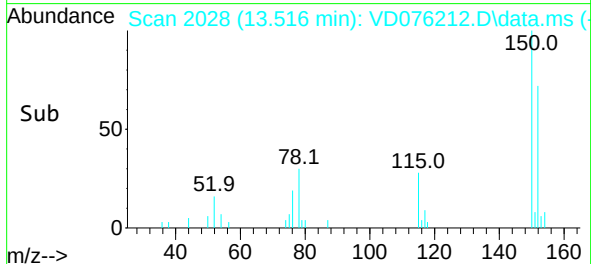
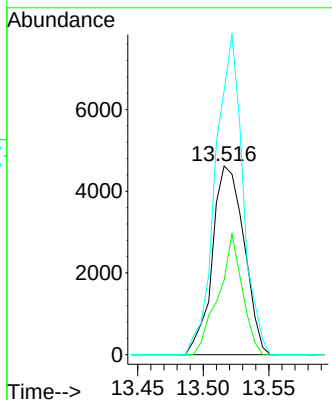
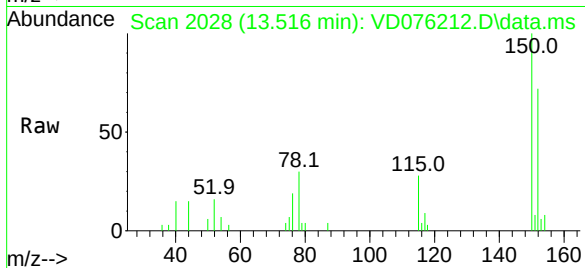




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD076212.D
 Acq: 24 May 2023 14:11

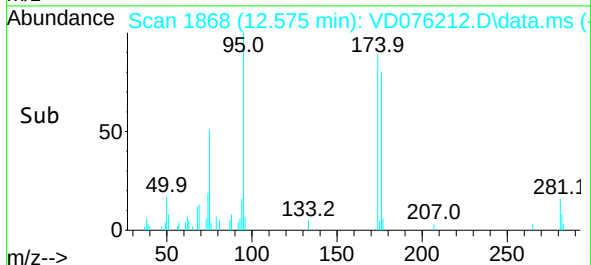
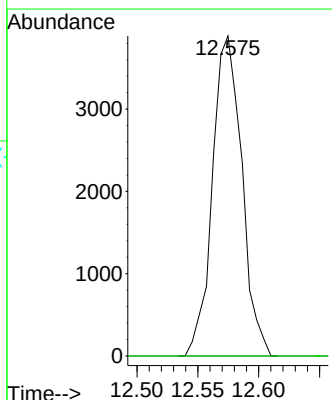
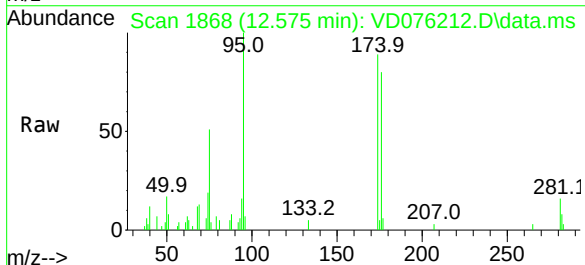
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-BIN

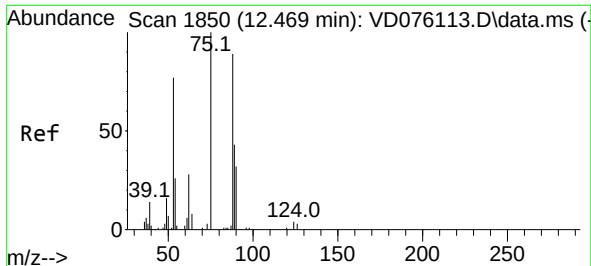
Tgt Ion:152 Resp: 7763
 Ion Ratio Lower Upper
 152 100
 115 47.9 30.1 90.3
 150 146.3 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 96.272 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD076212.D
 Acq: 24 May 2023 14:11

Tgt Ion: 75 Resp: 6540
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

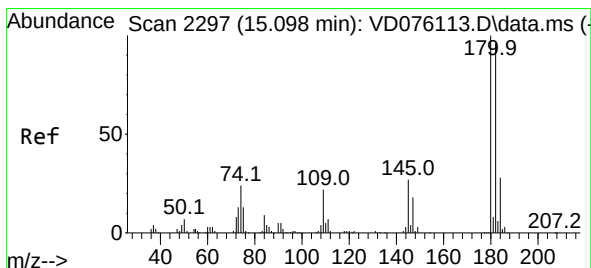
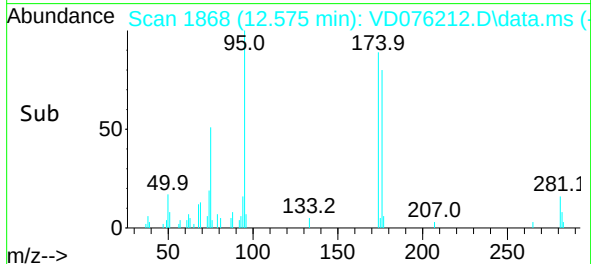
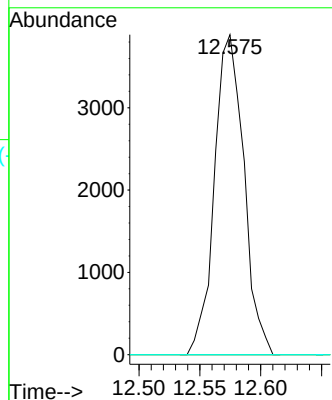
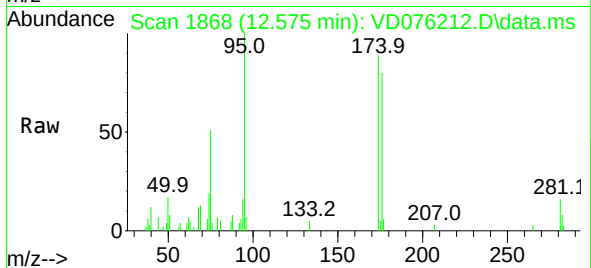




#81
trans-1,4-Dichloro-2-butene
Concen: 201.962 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076212.D
Acq: 24 May 2023 14:11

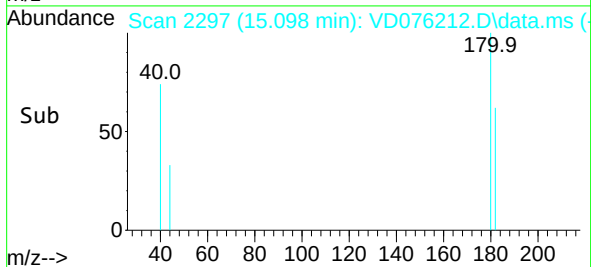
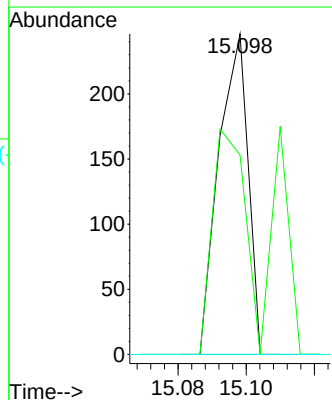
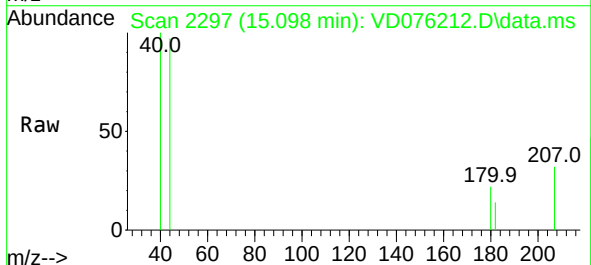
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

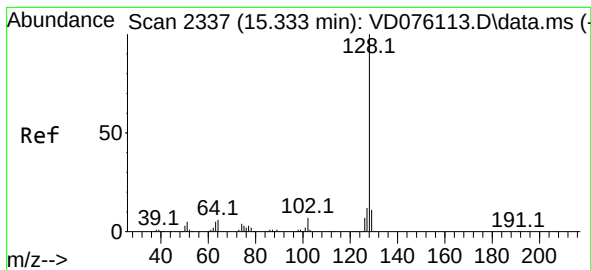
Tgt Ion: 75 Resp: 6540
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.028 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VD076212.D
Acq: 24 May 2023 14:11

Tgt Ion: 180 Resp: 146
Ion Ratio Lower Upper
180 100
182 78.8 47.9 143.7
145 0.0 15.9 47.7#





#95

Naphthalene

Concen: 2.936 ug/l

RT: 15.322 min Scan# 21

Delta R.T. -0.012 min

Lab File: VD076212.D

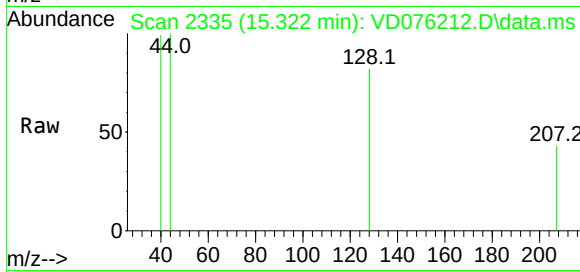
Acq: 24 May 2023 14:11

Instrument :

MSVOA_D

ClientSampleId :

SOIL-BIN



Tgt Ion:128 Resp: 775

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.8 13.2#

