

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077137.D
 Acq On : 23 Mar 2023 09:02
 Operator : JC\MD
 Sample : 02018-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DAHMER-ROCKY-SOIL

Quant Time: Mar 23 09:31:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

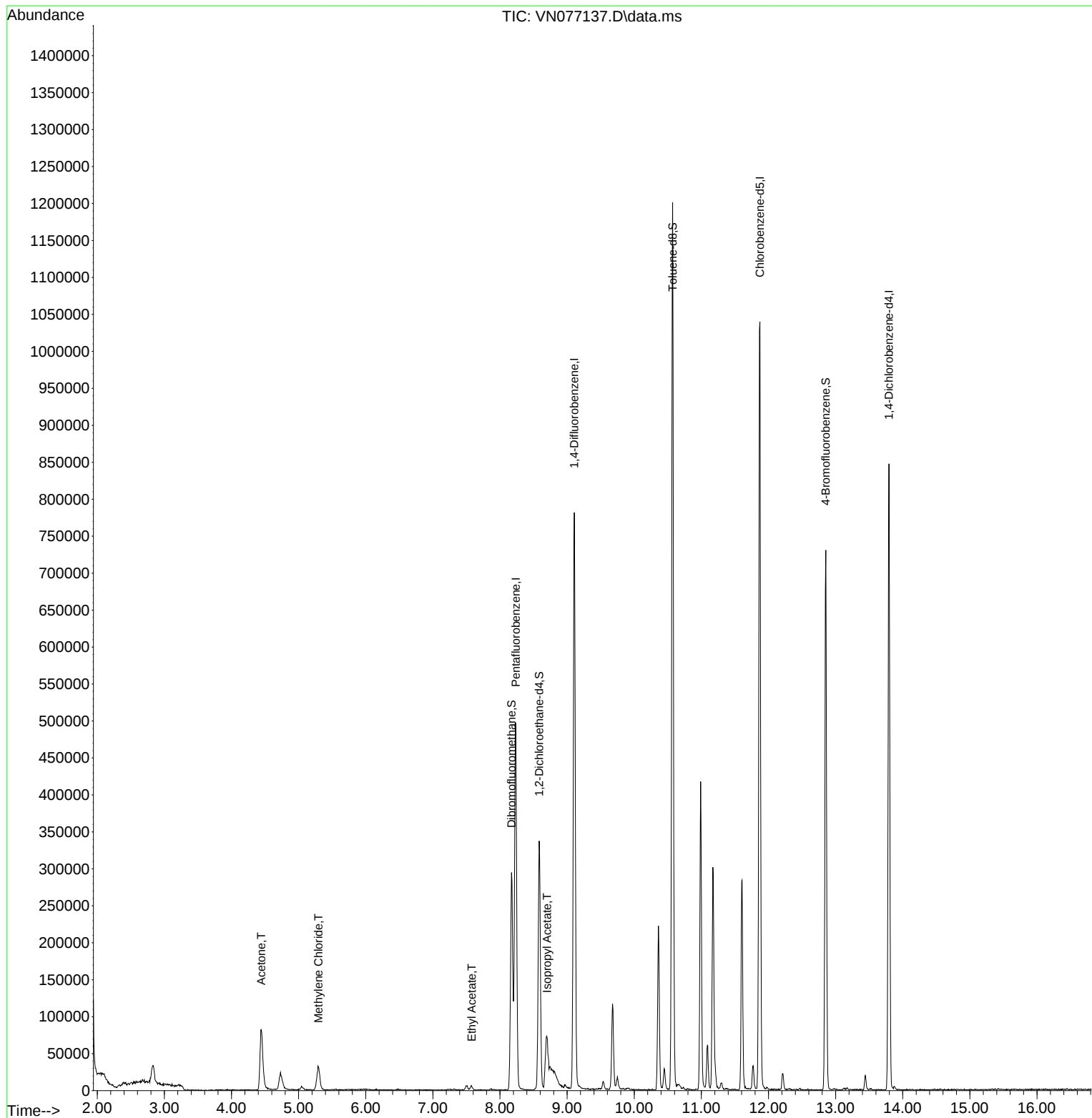
Internal Standards						
1) Pentafluorobenzene	8.236	168	345745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	629638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	573229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	212580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	271864	49.227	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.460%
35) Dibromofluoromethane	8.172	113	204187	46.307	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.620%
50) Toluene-d8	10.572	98	782156	49.657	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.320%
62) 4-Bromofluorobenzene	12.854	95	233928	42.029	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.060%
Target Compounds						
					Qvalue	
16) Acetone	4.443	43	160803	65.347	ug/l	94
20) Methylene Chloride	5.295	84	22885	4.285	ug/l	95
37) Ethyl Acetate	7.578	43	8572	1.163	ug/l #	87
43) Isopropyl Acetate	8.701	43	95268	8.276	ug/l #	75

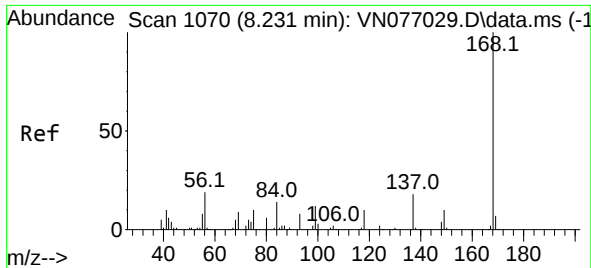
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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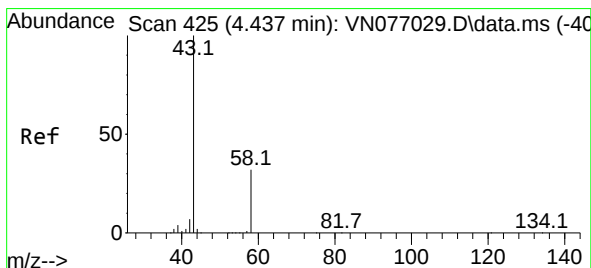
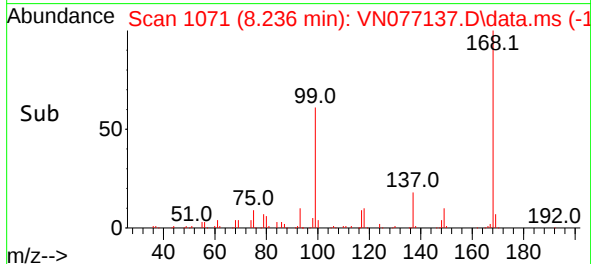
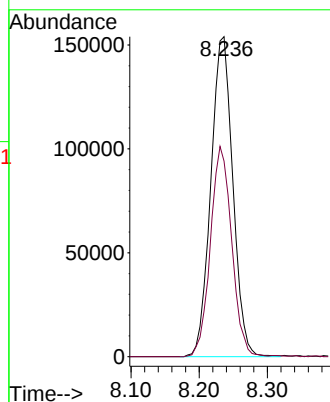
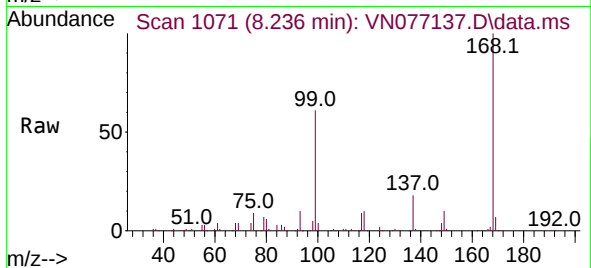




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN077137.D
Acq: 23 Mar 2023 09:02

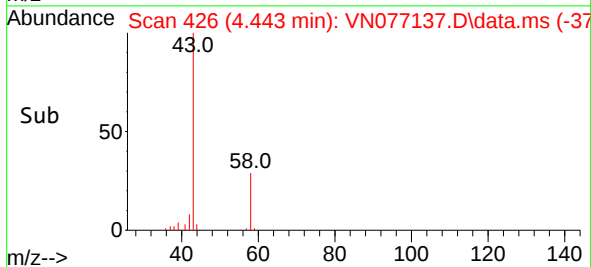
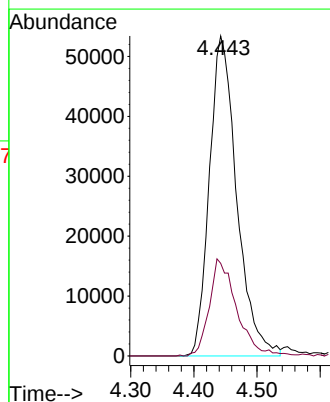
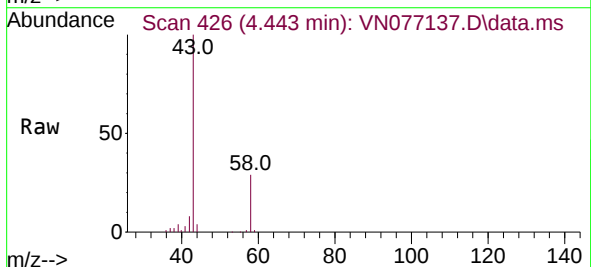
Instrument :
MSVOA_N
ClientSampleId :
DAHMER-ROCKY-SOIL

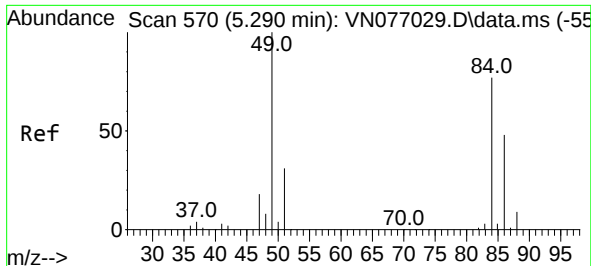
Tgt Ion:168 Resp: 345745
Ion Ratio Lower Upper
168 100
99 61.1 53.9 80.9



#16
Acetone
Concen: 65.347 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN077137.D
Acq: 23 Mar 2023 09:02

Tgt Ion: 43 Resp: 160803
Ion Ratio Lower Upper
43 100
58 28.6 25.4 38.0

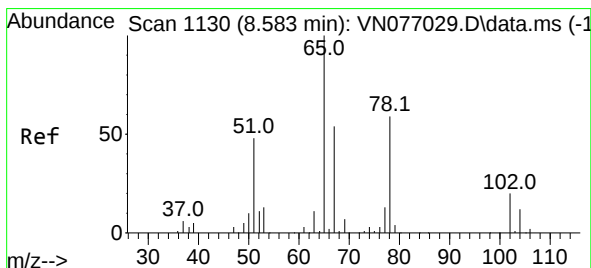
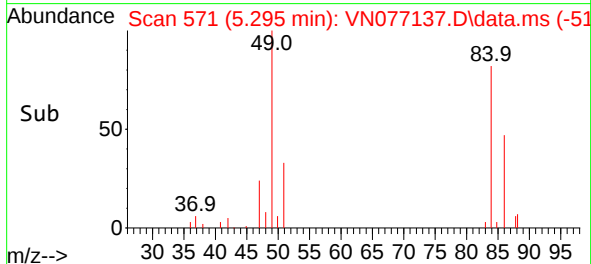
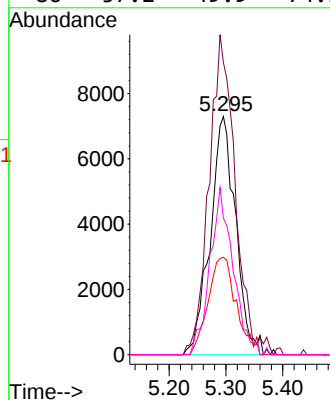
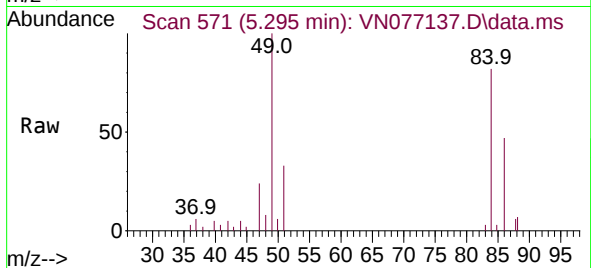




#20
Methylene Chloride
Concen: 4.285 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN077137.D
Acq: 23 Mar 2023 09:02

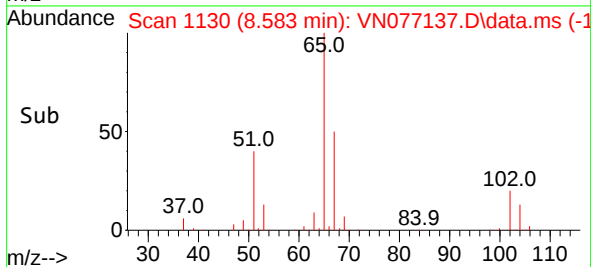
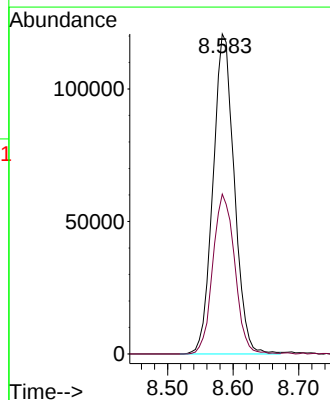
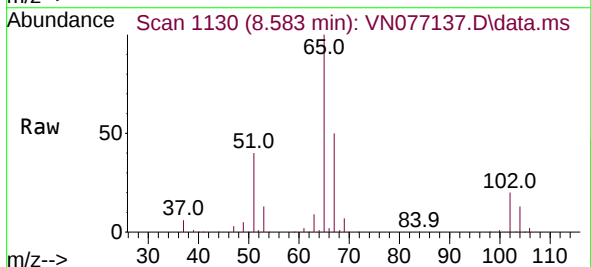
Instrument :
MSVOA_N
ClientSampleId :
DAHMER-ROCKY-SOIL

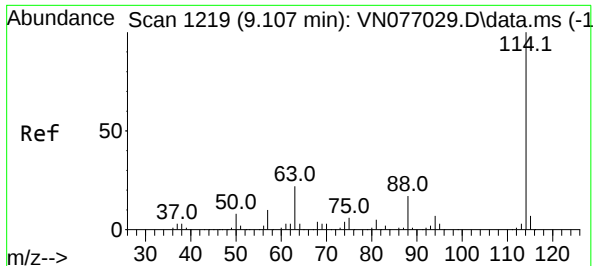
Tgt Ion: 84	Resp: 22885
Ion Ratio	Lower Upper
84 100	
49 122.7	103.8 155.6
51 40.9	32.3 48.5
86 57.2	49.9 74.9



#33
1,2-Dichloroethane-d4
Concen: 49.227 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077137.D
Acq: 23 Mar 2023 09:02

Tgt Ion: 65	Resp: 271864
Ion Ratio	Lower Upper
65 100	
67 51.5	0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077137.D

Acq: 23 Mar 2023 09:02

Instrument :

MSVOA_N

ClientSampleId :

DAHMER-ROCKY-SOIL

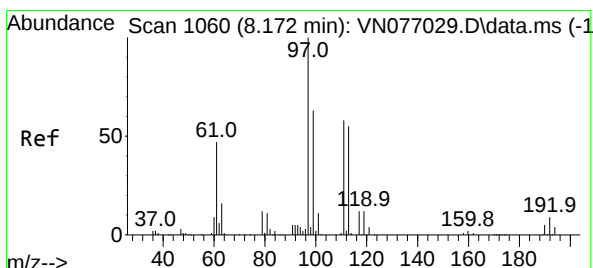
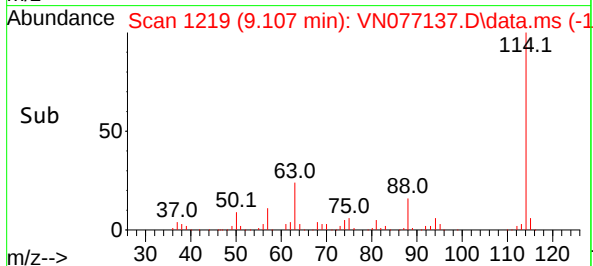
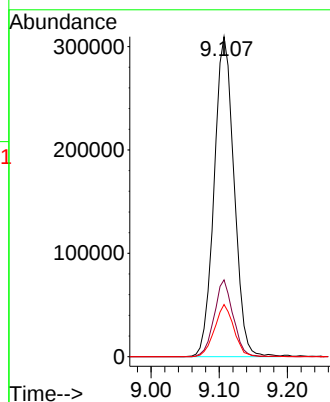
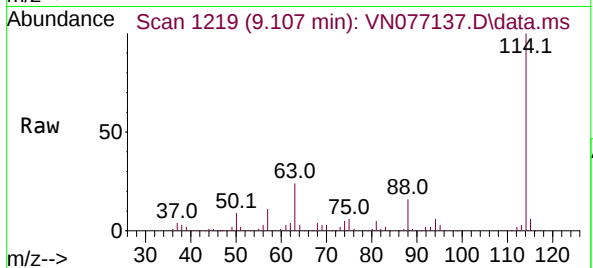
Tgt Ion:114 Resp: 629638

Ion Ratio Lower Upper

114 100

63 24.0 0.0 44.6

88 16.3 0.0 33.8



#35

Dibromofluoromethane

Concen: 46.307 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077137.D

Acq: 23 Mar 2023 09:02

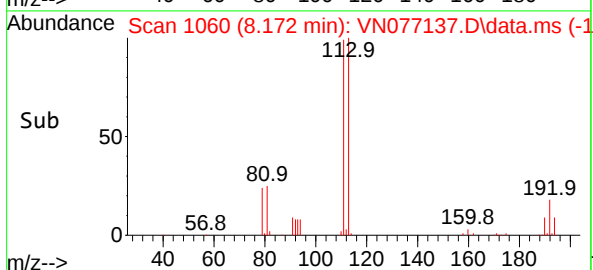
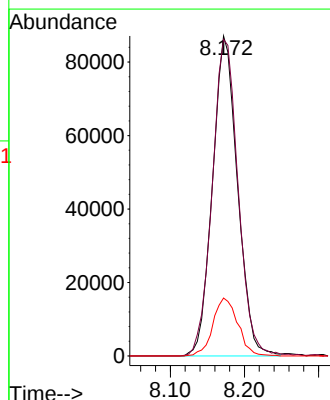
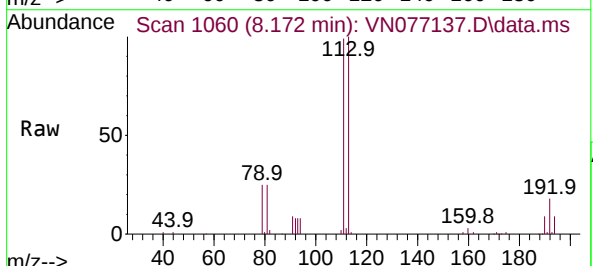
Tgt Ion:113 Resp: 204187

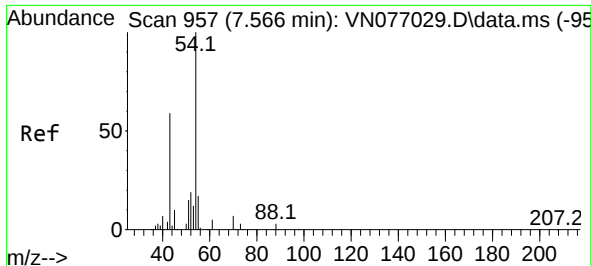
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 18.0 13.0 19.6

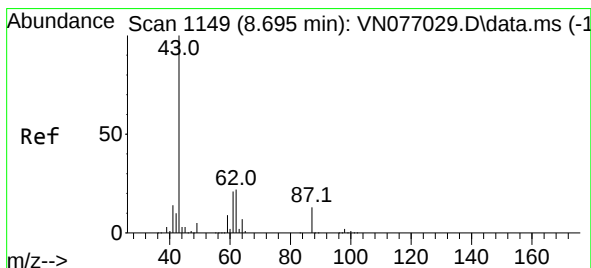
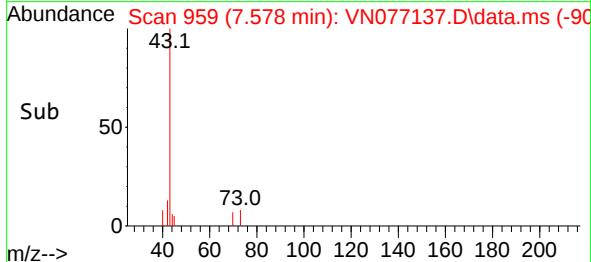
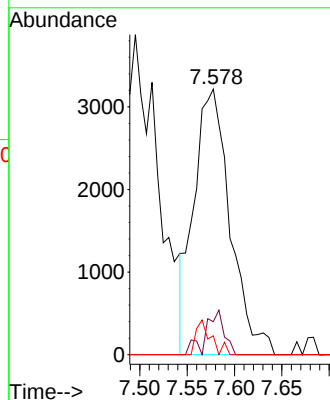
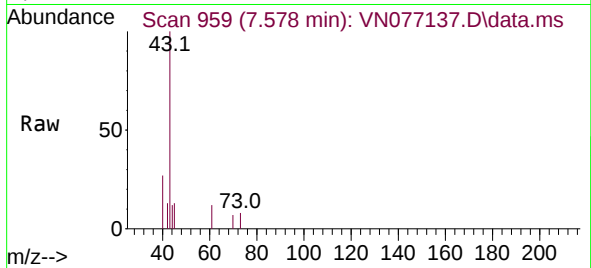




#37
Ethyl Acetate
Concen: 1.163 ug/l
RT: 7.578 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN077137.D
Acq: 23 Mar 2023 09:02

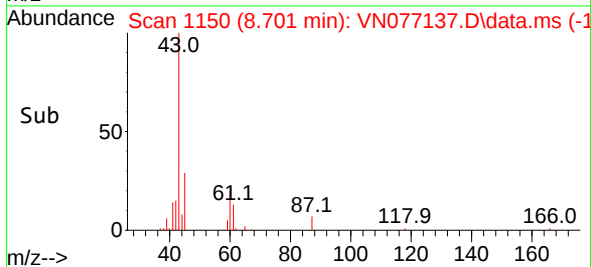
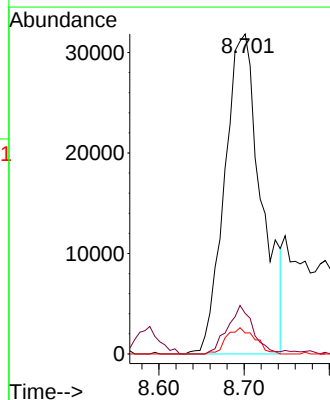
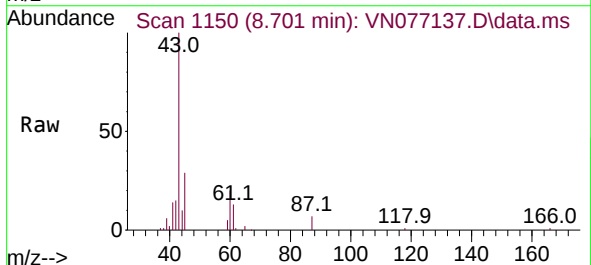
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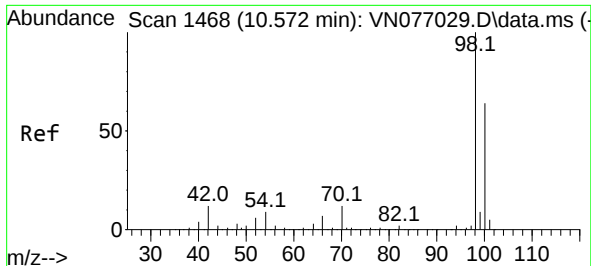
Tgt Ion: 43 Resp: 8572
Ion Ratio Lower Upper
43 100
61 8.6 11.0 16.6#
70 5.4 8.4 12.6#



#43
Isopropyl Acetate
Concen: 8.276 ug/l
RT: 8.701 min Scan# 1150
Delta R.T. 0.006 min
Lab File: VN077137.D
Acq: 23 Mar 2023 09:02

Tgt Ion: 43 Resp: 95268
Ion Ratio Lower Upper
43 100
61 10.6 20.6 30.8#
87 6.4 10.0 15.0#

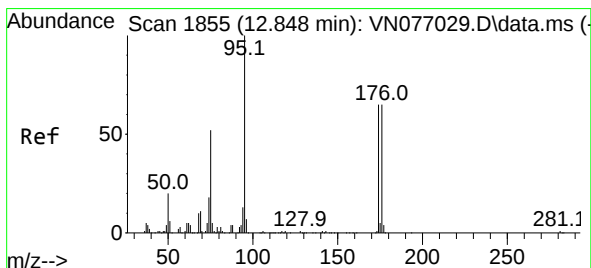
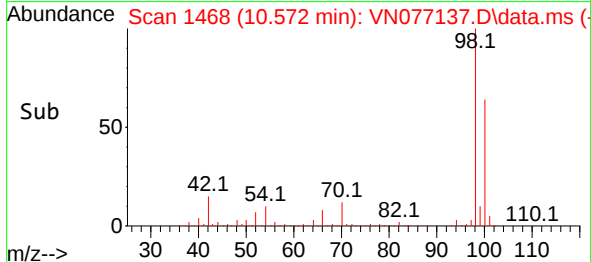
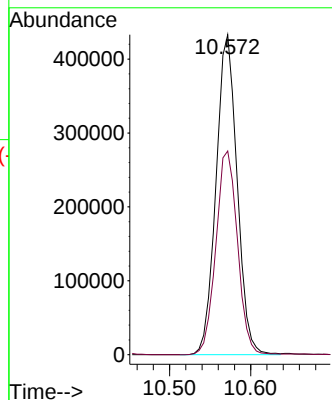
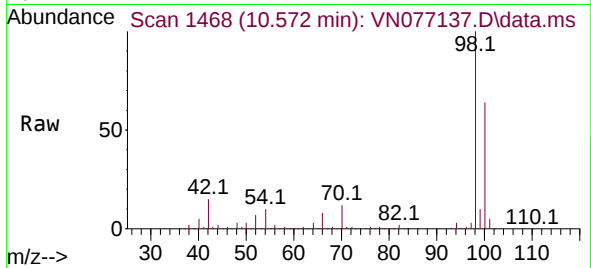




#50
Toluene-d8
Concen: 49.657 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077137.D
Acq: 23 Mar 2023 09:02

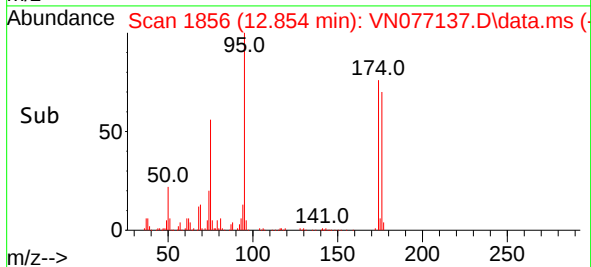
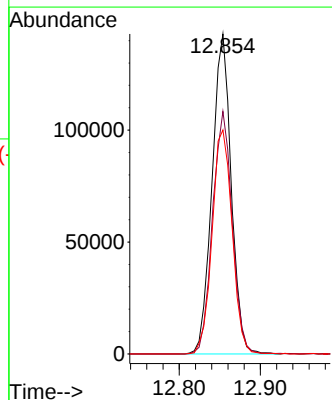
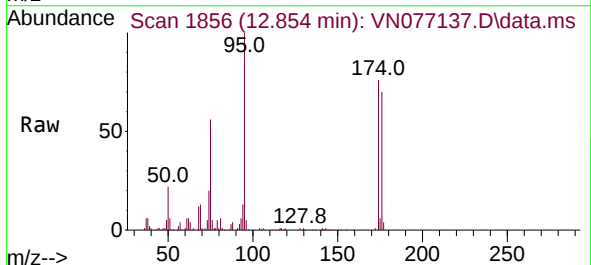
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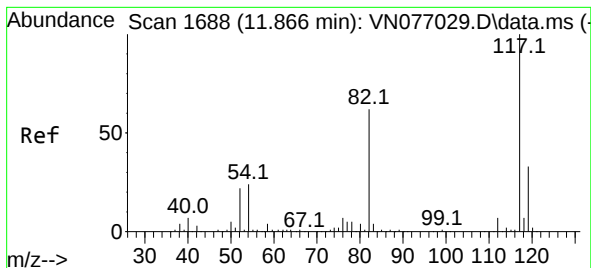
Tgt Ion: 98 Resp: 782156
Ion Ratio Lower Upper
98 100
100 65.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 42.029 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077137.D
Acq: 23 Mar 2023 09:02

Tgt Ion: 95 Resp: 233928
Ion Ratio Lower Upper
95 100
174 78.0 0.0 136.6
176 73.4 0.0 130.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN077137.D

Acq: 23 Mar 2023 09:02

Instrument :

MSVOA_N

ClientSampleId :

DAHMER-ROCKY-SOIL

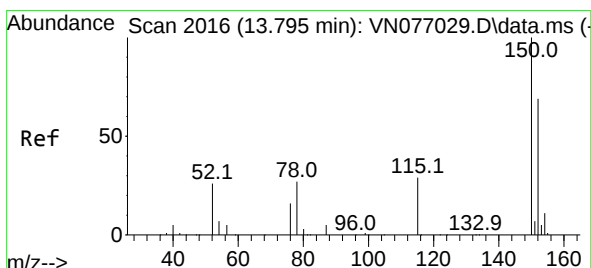
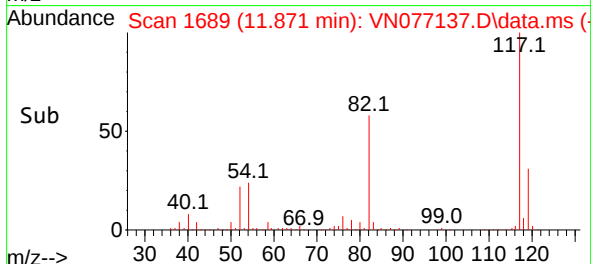
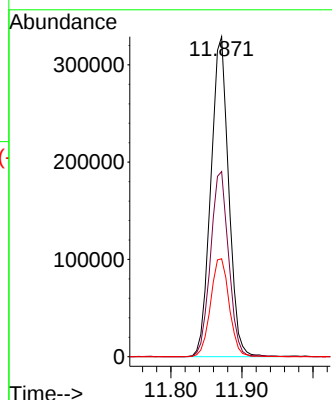
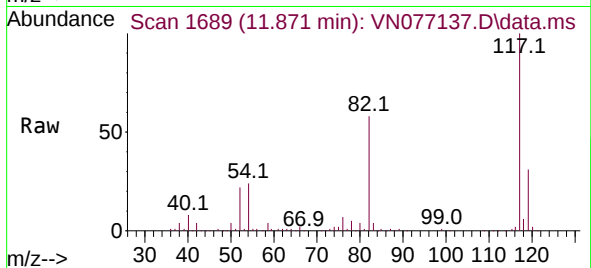
Tgt Ion:117 Resp: 573229

Ion Ratio Lower Upper

117 100

82 57.9 49.4 74.0

119 30.6 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077137.D

Acq: 23 Mar 2023 09:02

Tgt Ion:152 Resp: 212580

Ion Ratio Lower Upper

152 100

115 60.2 31.9 95.7

150 156.1 0.0 348.0

