

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077322.D
 Acq On : 13 Apr 2023 12:34
 Operator : JC\MD
 Sample : 02288-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 14 07:23:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

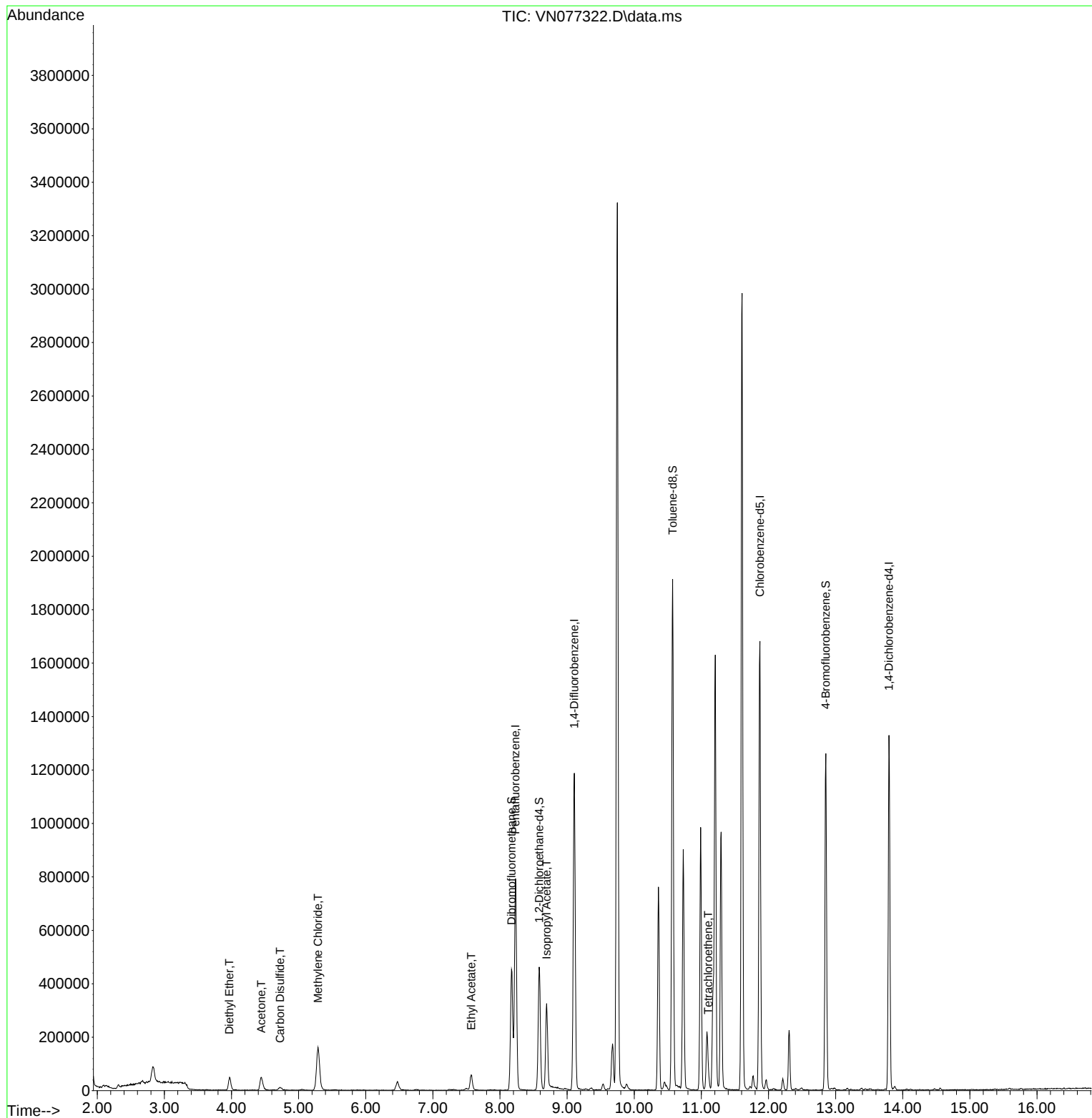
Internal Standards						
1) Pentafluorobenzene	8.231	168	567765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1088843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	1005426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	355625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	353541	45.560	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.120%
35) Dibromofluoromethane	8.172	113	324502	46.554	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.100%
50) Toluene-d8	10.572	98	1358989	48.430	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.860%
62) 4-Bromofluorobenzene	12.854	95	441913	47.351	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.700%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.966	74	31098	7.029	ug/l	97
16) Acetone	4.443	43	90083	31.486	ug/l	92
17) Carbon Disulfide	4.725	76	21607	1.205	ug/l #	91
20) Methylene Chloride	5.290	84	141908	17.562	ug/l	94
37) Ethyl Acetate	7.572	43	79771	8.648	ug/l	96
43) Isopropyl Acetate	8.695	43	377964	22.207	ug/l #	90
64) Tetrachloroethene	11.101	164	7644	1.231	ug/l #	88

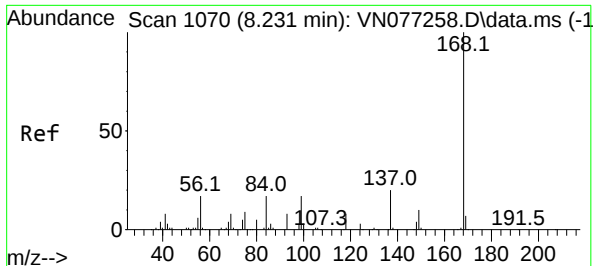
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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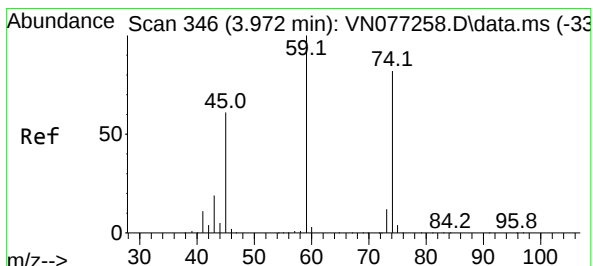
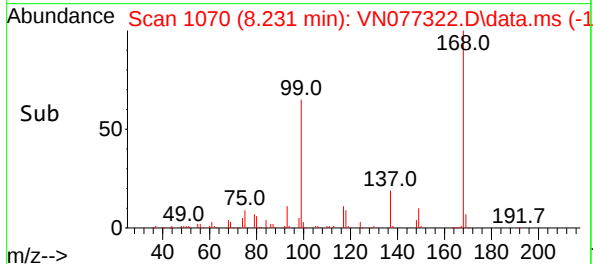
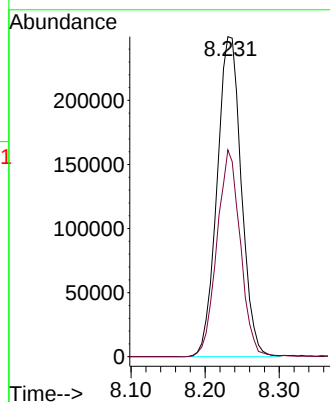
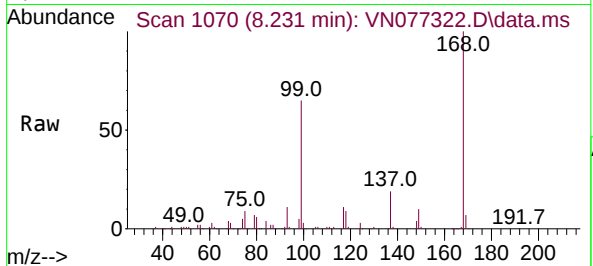




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077322.D
Acq: 13 Apr 2023 12:34

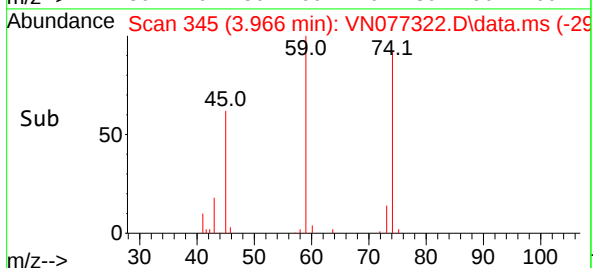
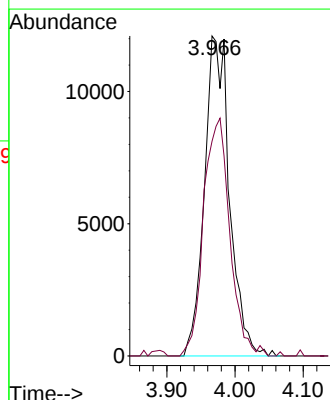
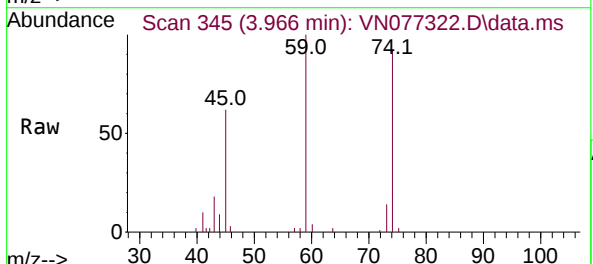
Instrument :
MSVOA_N
ClientSampleId :
SOIL-CUTTINGS

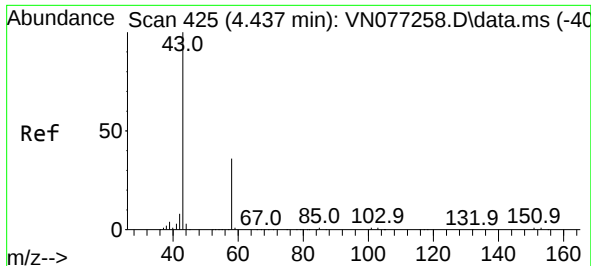
Tgt Ion:168 Resp: 567765
Ion Ratio Lower Upper
168 100
99 64.6 50.6 75.8



#8
Diethyl Ether
Concen: 7.029 ug/l
RT: 3.966 min Scan# 345
Delta R.T. -0.006 min
Lab File: VN077322.D
Acq: 13 Apr 2023 12:34

Tgt Ion: 74 Resp: 31098
Ion Ratio Lower Upper
74 100
45 77.8 37.8 113.4





#16

Acetone

Concen: 31.486 ug/l

RT: 4.443 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN077322.D

Acq: 13 Apr 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

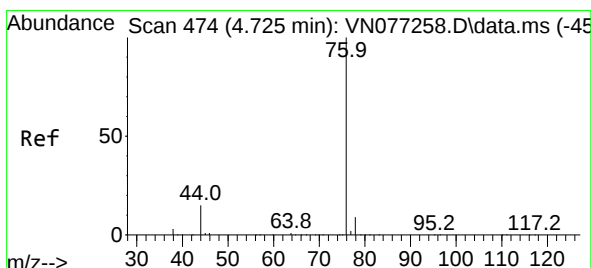
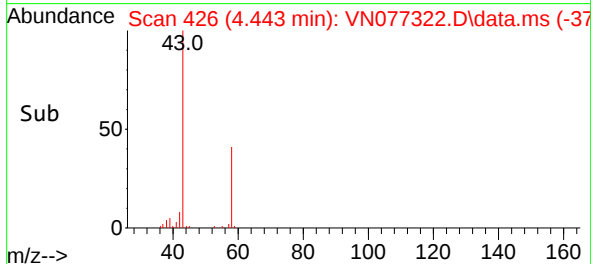
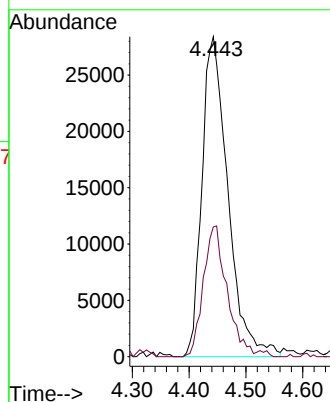
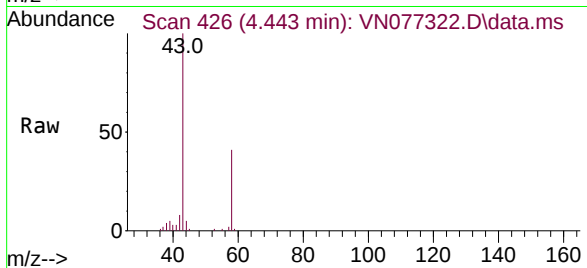
SOIL-CUTTINGS

Tgt Ion: 43 Resp: 90083

Ion Ratio Lower Upper

43 100

58 41.1 29.0 43.6



#17

Carbon Disulfide

Concen: 1.205 ug/l

RT: 4.725 min Scan# 474

Delta R.T. -0.000 min

Lab File: VN077322.D

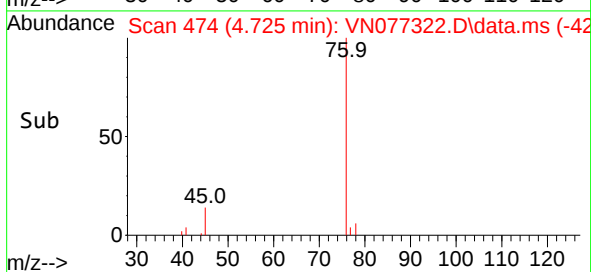
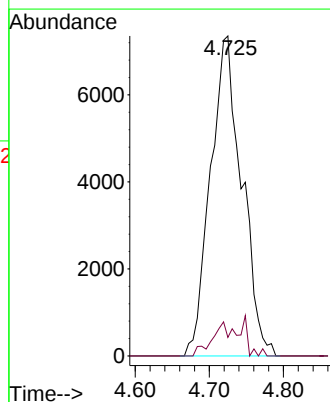
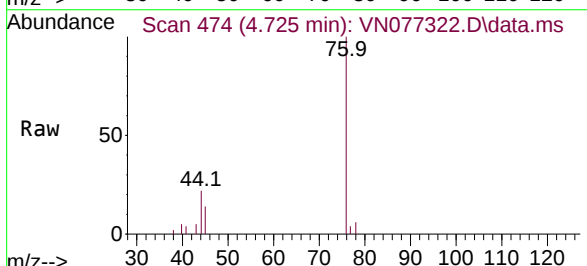
Acq: 13 Apr 2023 12:34

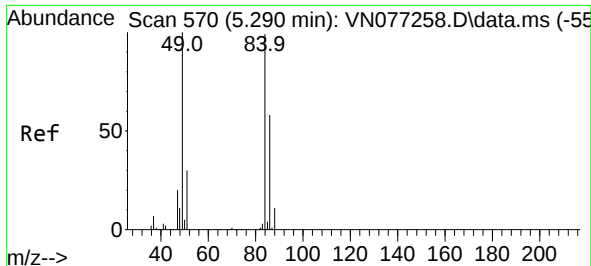
Tgt Ion: 76 Resp: 21607

Ion Ratio Lower Upper

76 100

78 5.8 7.3 10.9#

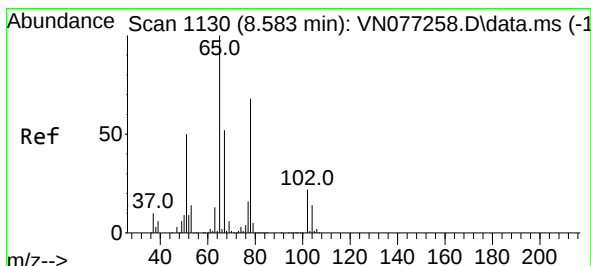
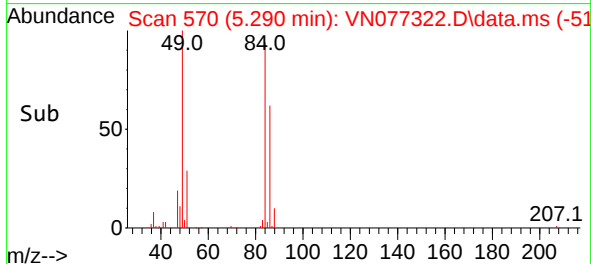
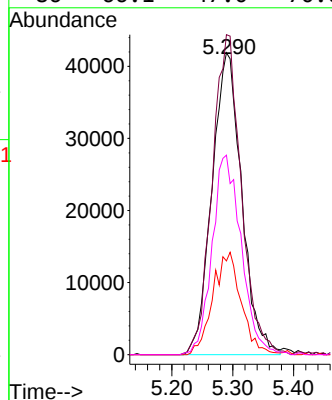
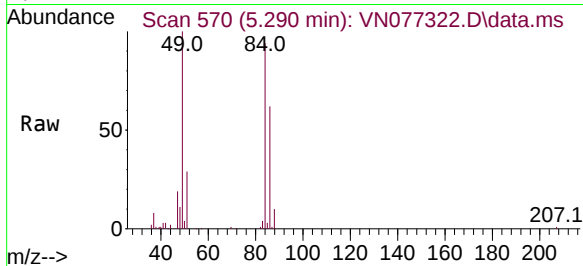




#20
Methylene Chloride
Concen: 17.562 ug/l
RT: 5.290 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN077322.D
Acq: 13 Apr 2023 12:34

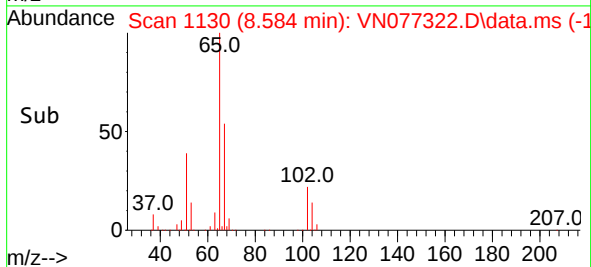
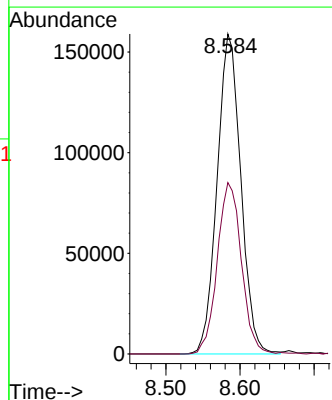
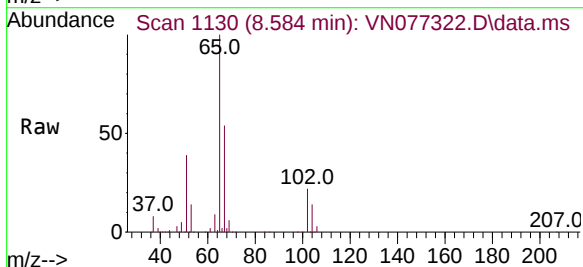
Instrument :
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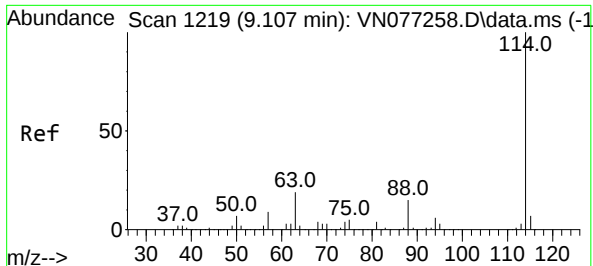
Tgt Ion: 84 Resp: 141908
Ion Ratio Lower Upper
84 100
49 106.0 80.6 121.0
51 31.1 24.4 36.6
86 66.1 47.0 70.6



#33
1,2-Dichloroethane-d4
Concen: 45.560 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077322.D
Acq: 13 Apr 2023 12:34

Tgt Ion: 65 Resp: 353541
Ion Ratio Lower Upper
65 100
67 54.4 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077322.D

Acq: 13 Apr 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

SOIL-CUTTINGS

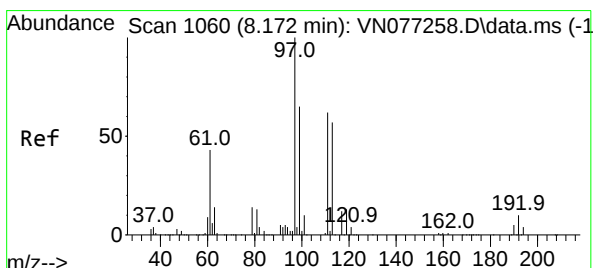
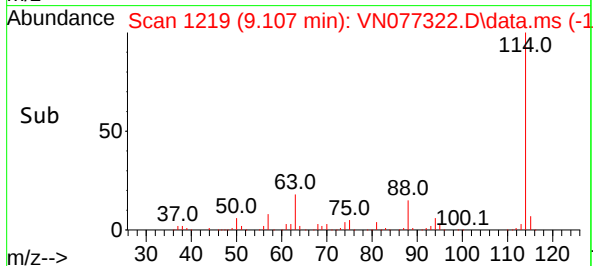
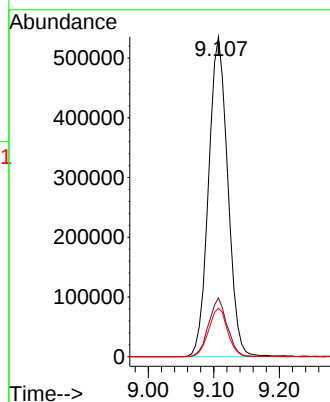
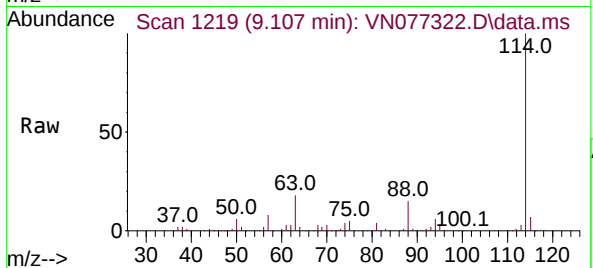
Tgt Ion:114 Resp: 1088843

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.8

88 15.2 0.0 29.4



#35

Dibromofluoromethane

Concen: 46.554 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077322.D

Acq: 13 Apr 2023 12:34

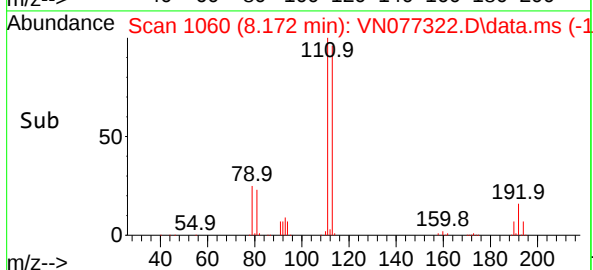
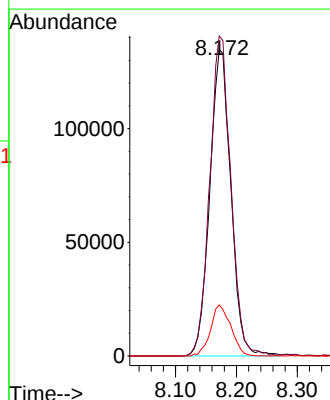
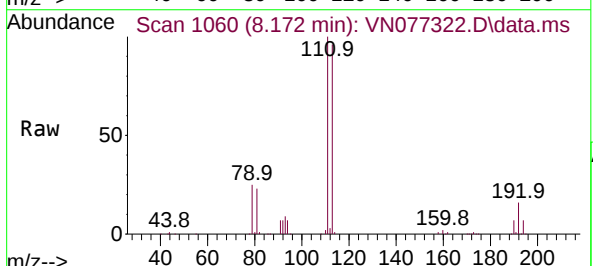
Tgt Ion:113 Resp: 324502

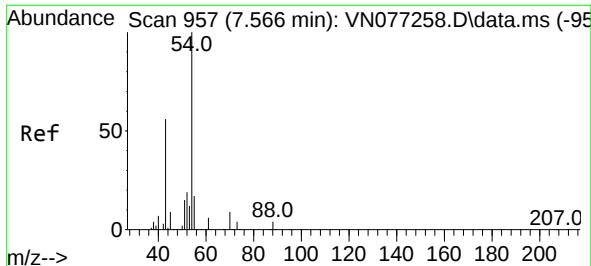
Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.0

192 16.0 13.5 20.3

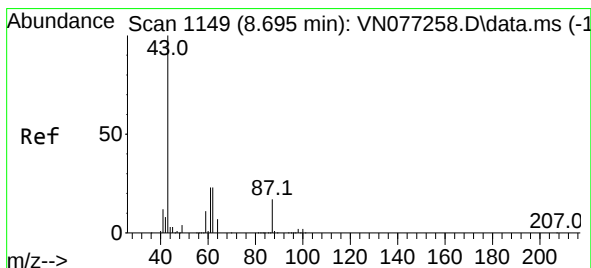
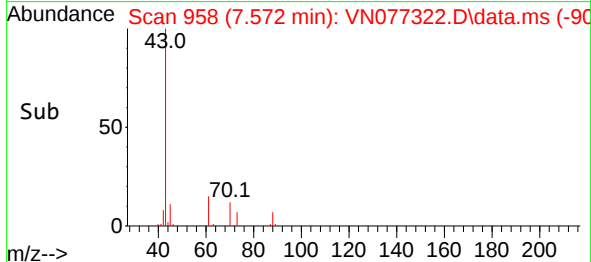
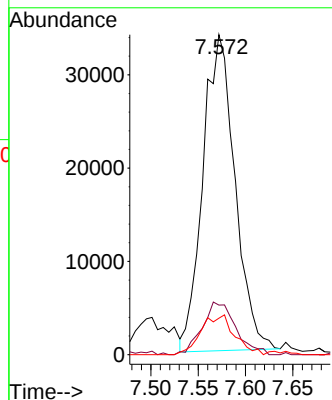
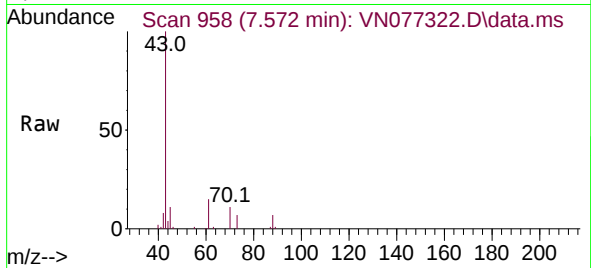




#37
Ethyl Acetate
Concen: 8.648 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077322.D
Acq: 13 Apr 2023 12:34

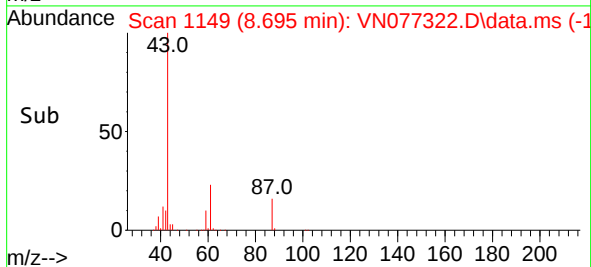
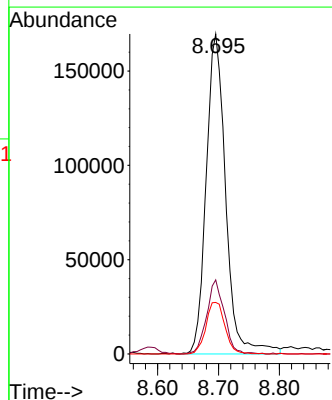
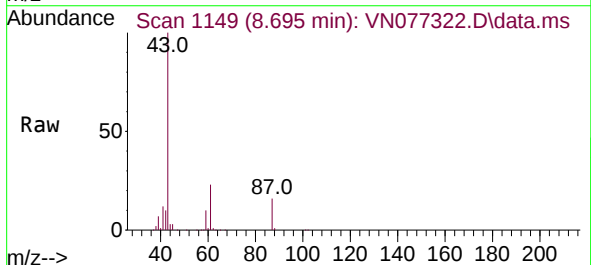
Instrument :
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SOIL-CUTTINGS

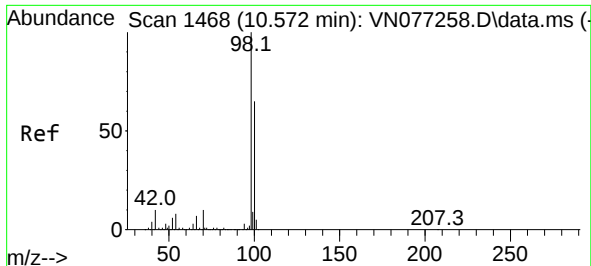
Tgt Ion: 43 Resp: 79771
Ion Ratio Lower Upper
43 100
61 17.4 12.2 18.2
70 13.1 10.0 15.0



#43
Isopropyl Acetate
Concen: 22.207 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077322.D
Acq: 13 Apr 2023 12:34

Tgt Ion: 43 Resp: 377964
Ion Ratio Lower Upper
43 100
61 21.0 22.7 34.1#
87 15.8 13.6 20.4

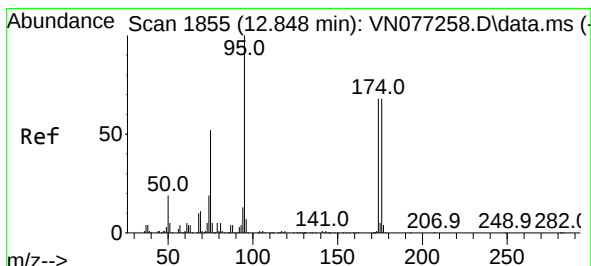
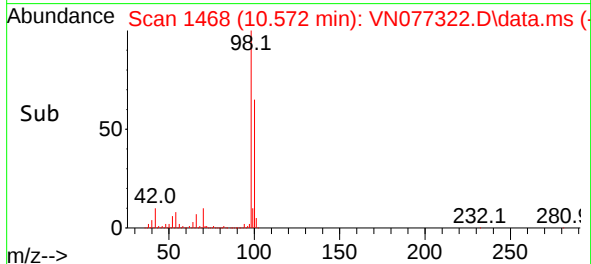
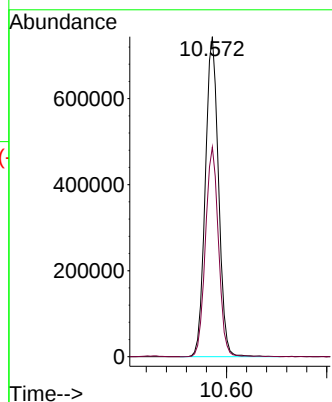
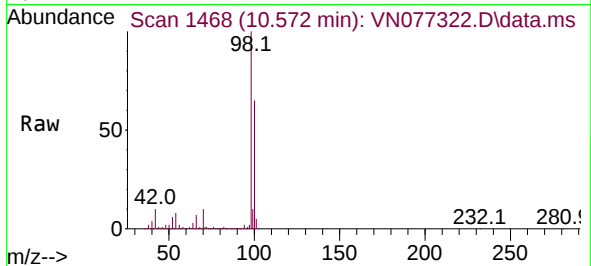




#50
Toluene-d8
Concen: 48.430 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077322.D
Acq: 13 Apr 2023 12:34

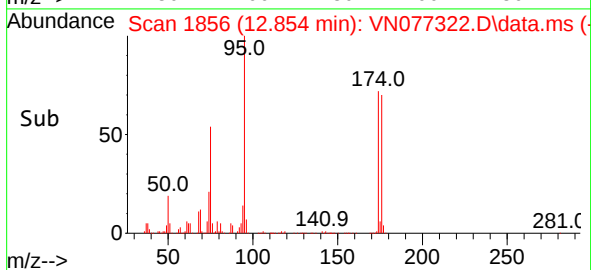
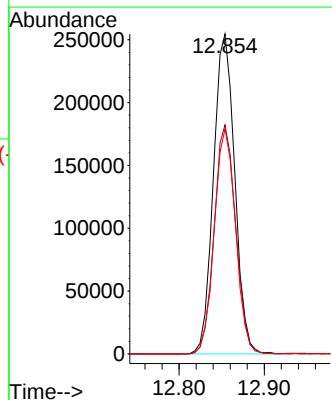
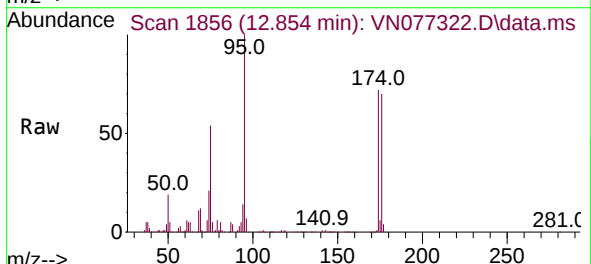
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SOIL-CUTTINGS

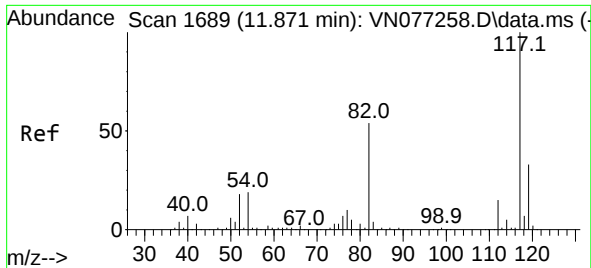
Tgt Ion: 98 Resp: 1358989
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 47.351 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077322.D
Acq: 13 Apr 2023 12:34

Tgt Ion: 95 Resp: 441913
Ion Ratio Lower Upper
95 100
174 72.3 0.0 146.8
176 70.3 0.0 139.6

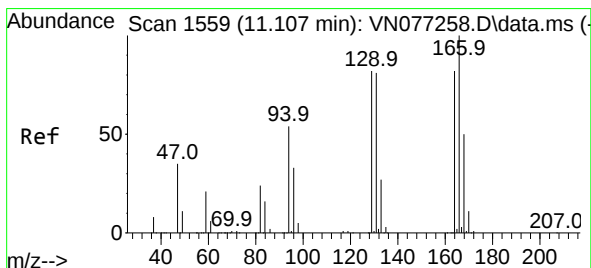
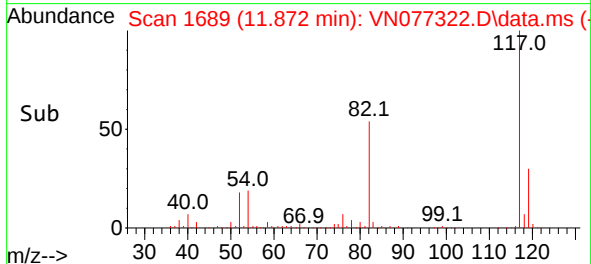
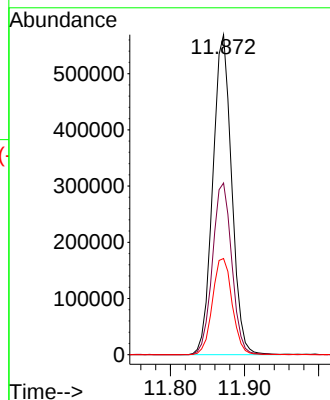
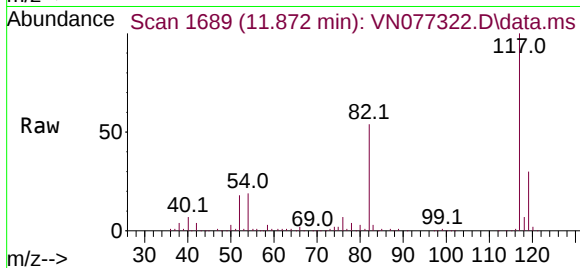




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077322.D
Acq: 13 Apr 2023 12:34

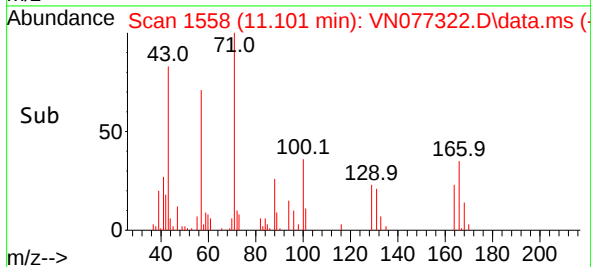
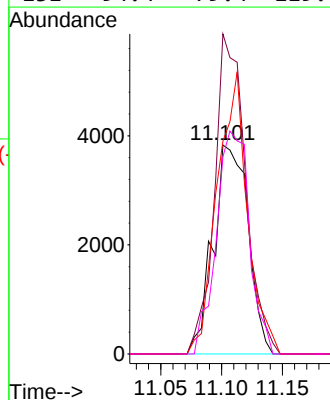
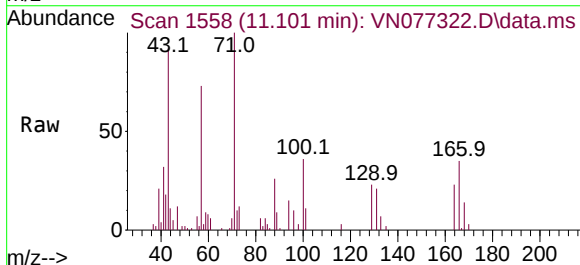
Instrument :
MSVOA_N
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SOIL-CUTTINGS

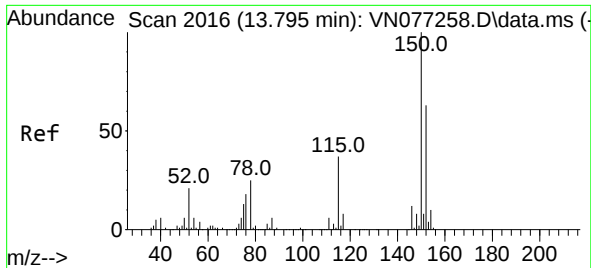
Tgt Ion:117 Resp: 1005426
Ion Ratio Lower Upper
117 100
82 53.7 42.9 64.3
119 30.1 26.2 39.4



#64
Tetrachloroethene
Concen: 1.231 ug/l
RT: 11.101 min Scan# 1558
Delta R.T. -0.006 min
Lab File: VN077322.D
Acq: 13 Apr 2023 12:34

Tgt Ion:164 Resp: 7644
Ion Ratio Lower Upper
164 100
166 153.1 97.8 146.6#
129 101.8 80.1 120.1
131 94.4 79.4 119.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077322.D
 Acq: 13 Apr 2023 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:152 Resp: 355625
 Ion Ratio Lower Upper
 152 100
 115 60.8 32.1 96.3
 150 157.0 0.0 354.8

