

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077223.D
 Acq On : 28 Mar 2023 00:18
 Operator : JC\MD
 Sample : 02084-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-DRUM-SOIL

Quant Time: Mar 28 07:48:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032523W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 27 02:47:06 2023
 Response via : Initial Calibration

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

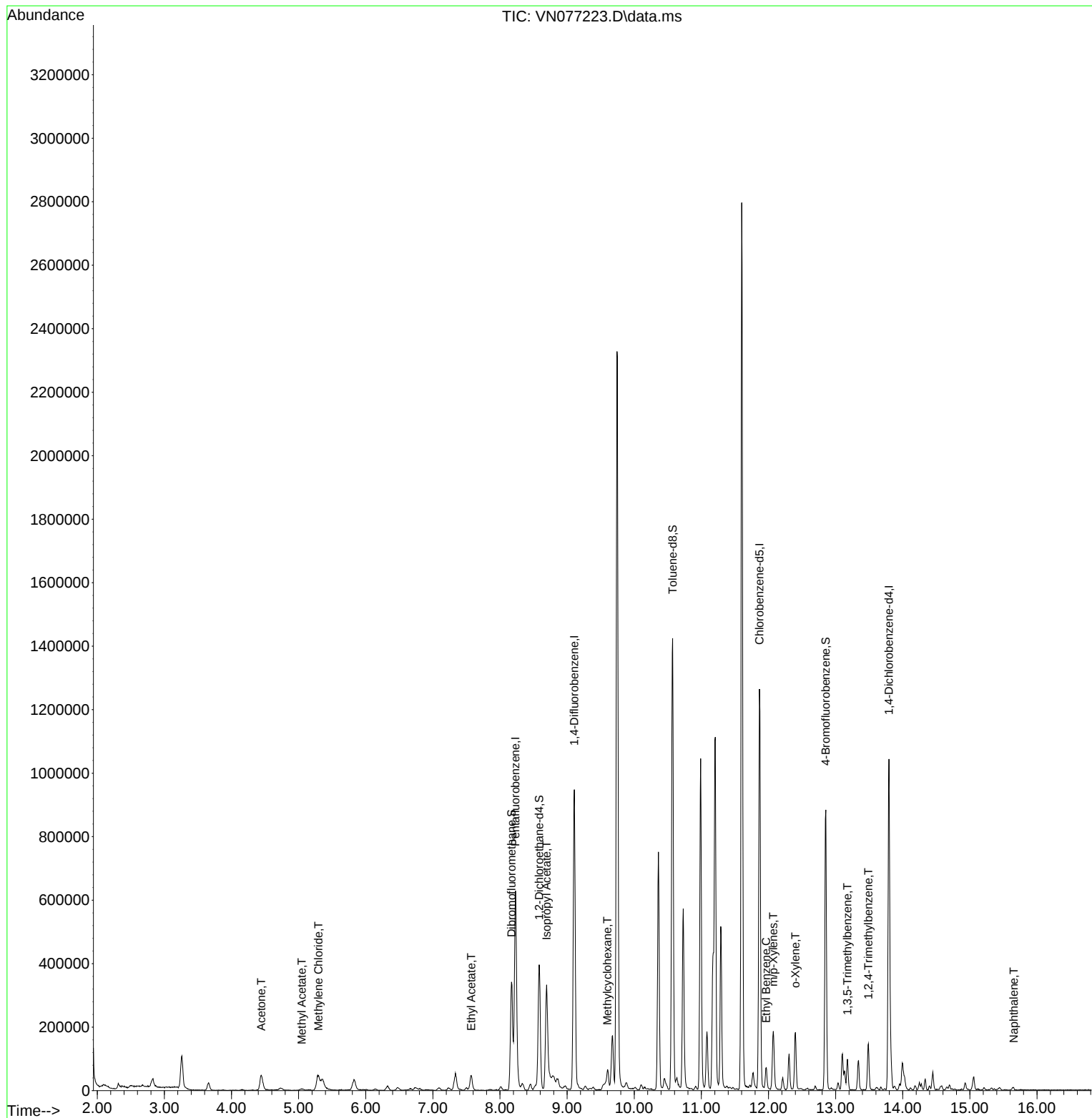
Internal Standards						
1) Pentafluorobenzene	8.231	168	426526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	763698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	691643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	263495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	322936	48.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.840%		
35) Dibromofluoromethane	8.172	113	243035	46.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.800%		
50) Toluene-d8	10.572	98	949974	48.924	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.840%		
62) 4-Bromofluorobenzene	12.854	95	288140	45.215	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.420%		
Target Compounds						
16) Acetone	4.443	43	86281	34.796	ug/l	95
18) Methyl Acetate	5.049	43	10823	1.091	ug/l #	71
20) Methylene Chloride	5.296	84	27229	4.931	ug/l #	73
37) Ethyl Acetate	7.572	43	74618	9.282	ug/l #	91
39) Methylcyclohexane	9.601	83	23261	2.761	ug/l #	83
43) Isopropyl Acetate	8.695	43	397297	30.633	ug/l #	73
67) Ethyl Benzene	11.966	91	31540	1.244	ug/l #	88
68) m/p-Xylenes	12.072	106	58600	6.077	ug/l	99
69) o-Xylene	12.401	106	47948	5.135	ug/l	90
80) 1,3,5-Trimethylbenzene	13.177	105	49487	2.866	ug/l	94
84) 1,2,4-Trimethylbenzene	13.489	105	82781	4.879	ug/l	97
95) Naphthalene	15.654	128	7551	6.387	ug/l #	85

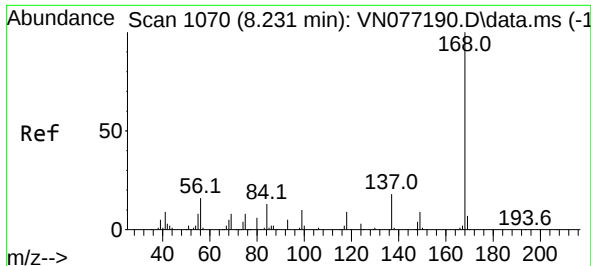
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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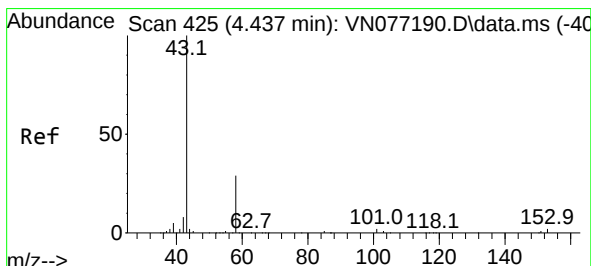
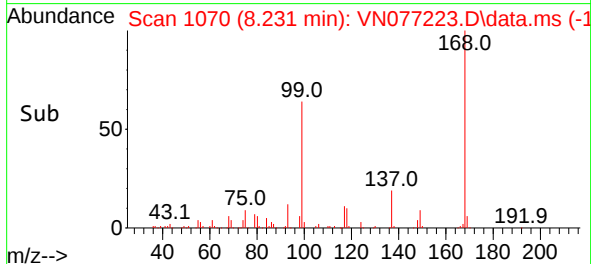
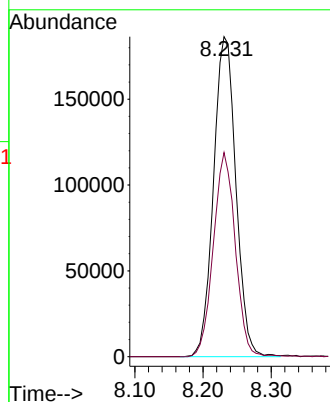
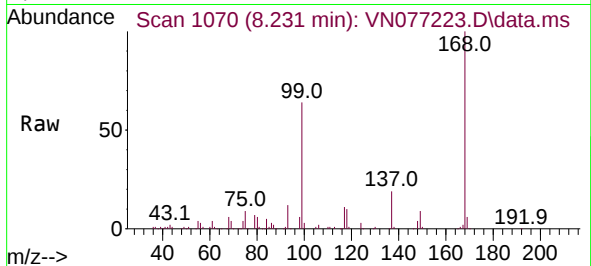




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077223.D
Acq: 28 Mar 2023 00:18

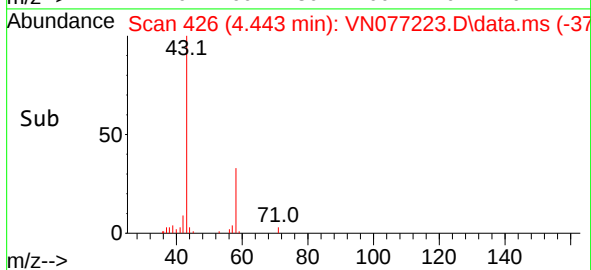
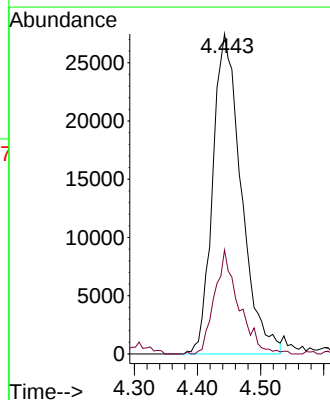
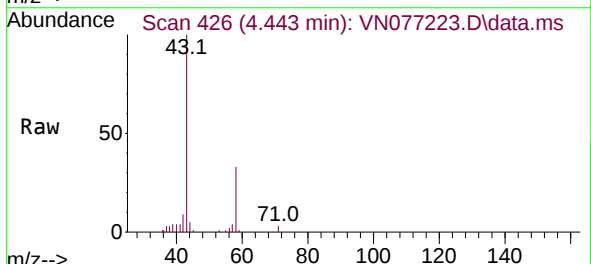
Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-SOIL

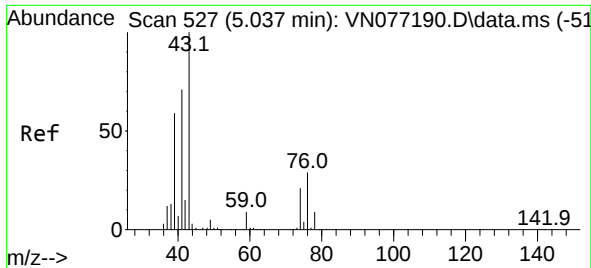
Tgt Ion:168 Resp: 426526
Ion Ratio Lower Upper
168 100
99 63.8 48.6 73.0



#16
Acetone
Concen: 34.796 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN077223.D
Acq: 28 Mar 2023 00:18

Tgt Ion: 43 Resp: 86281
Ion Ratio Lower Upper
43 100
58 32.5 28.2 42.2

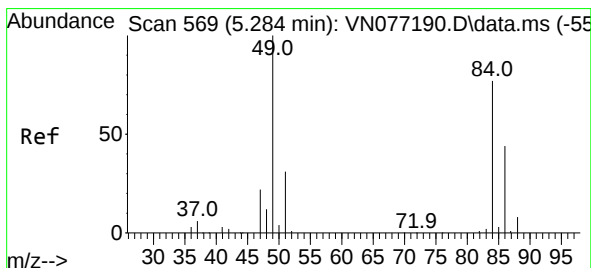
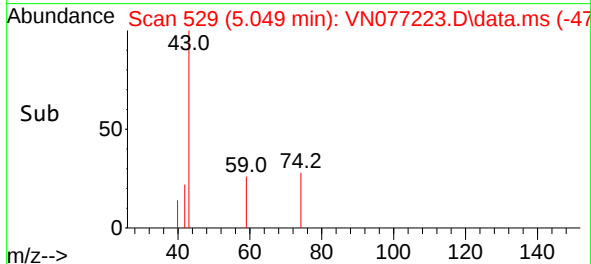
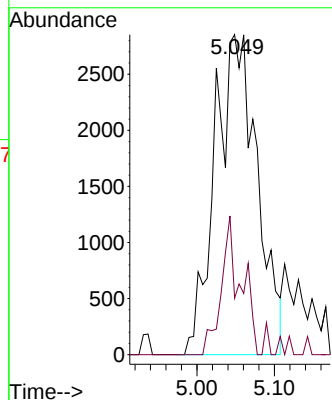
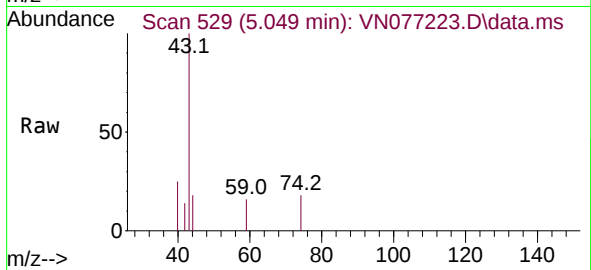




#18
Methyl Acetate
Concen: 1.091 ug/l
RT: 5.049 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077223.D
Acq: 28 Mar 2023 00:18

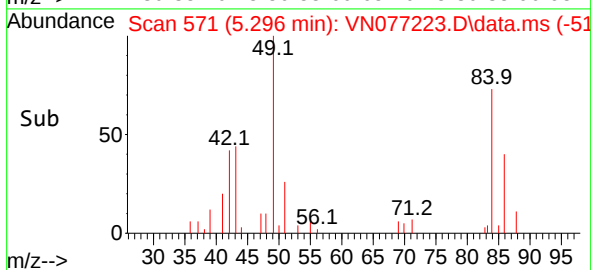
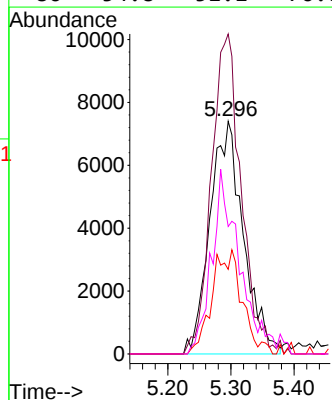
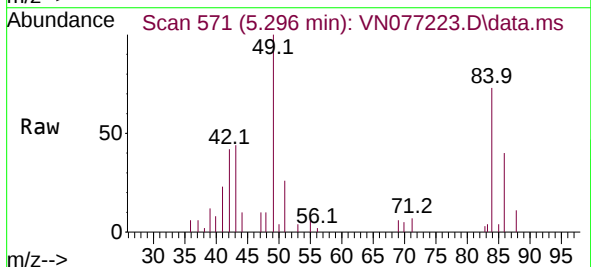
Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-SOIL

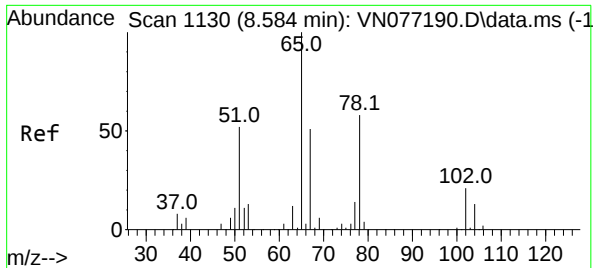
Tgt Ion: 43 Resp: 10823
Ion Ratio Lower Upper
43 100
74 16.4 25.9 38.9#



#20
Methylene Chloride
Concen: 4.931 ug/l
RT: 5.296 min Scan# 571
Delta R.T. 0.012 min
Lab File: VN077223.D
Acq: 28 Mar 2023 00:18

Tgt Ion: 84 Resp: 27229
Ion Ratio Lower Upper
84 100
49 137.5 76.6 114.8#
51 36.4 25.4 38.2
86 54.8 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 48.424 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077223.D

Acq: 28 Mar 2023 00:18

Instrument :

MSVOA_N

ClientSampleId :

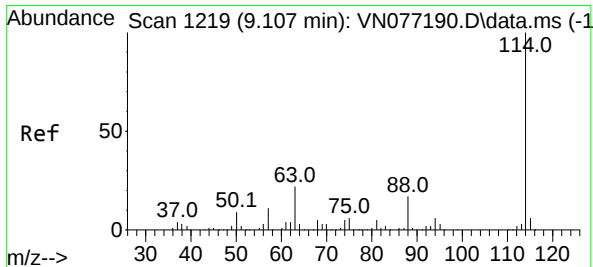
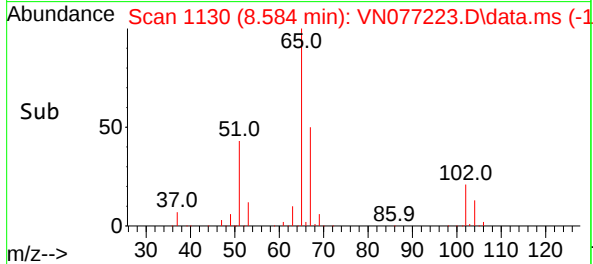
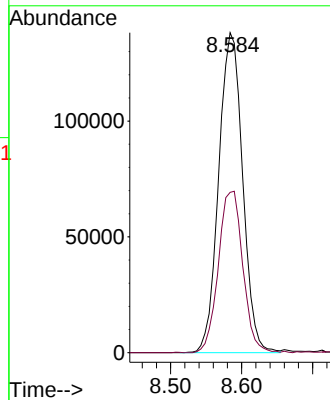
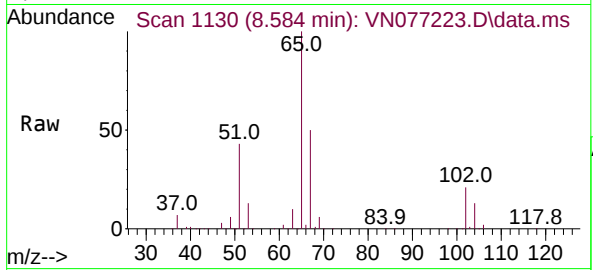
WASTE-DRUM-SOIL

Tgt Ion: 65 Resp: 322936

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077223.D

Acq: 28 Mar 2023 00:18

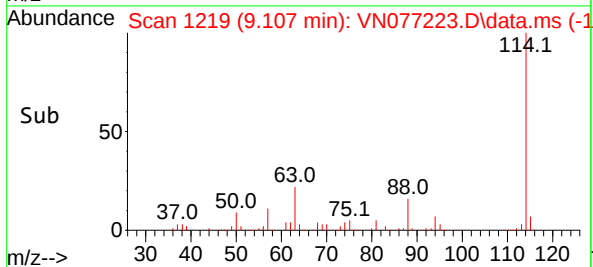
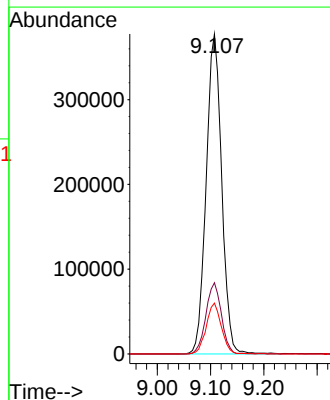
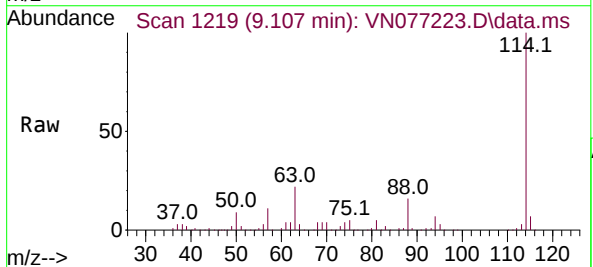
Tgt Ion: 114 Resp: 763698

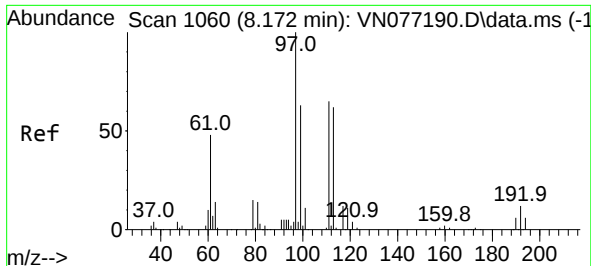
Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.6

88 15.9 0.0 28.6





#35

Dibromofluoromethane

Concen: 46.899 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077223.D

Acq: 28 Mar 2023 00:18

Instrument :

MSVOA_N

ClientSampleId :

WASTE-DRUM-SOIL

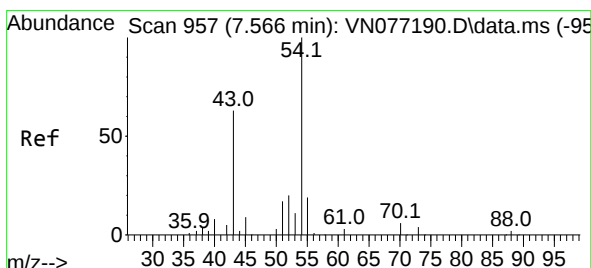
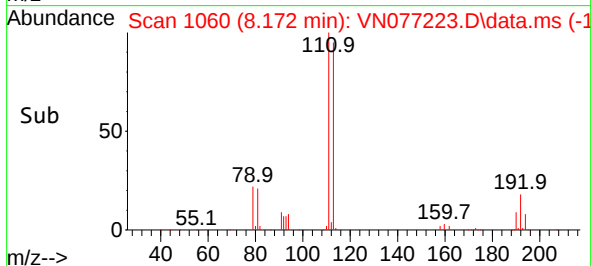
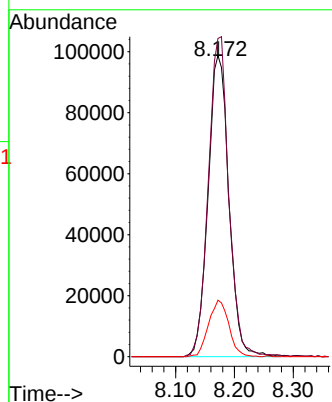
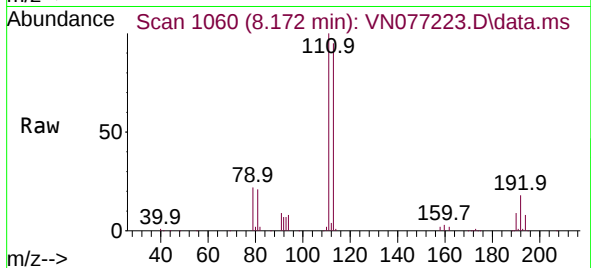
Tgt Ion:113 Resp: 243035

Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.8

192 18.2 13.9 20.9



#37

Ethyl Acetate

Concen: 9.282 ug/l

RT: 7.572 min Scan# 958

Delta R.T. 0.006 min

Lab File: VN077223.D

Acq: 28 Mar 2023 00:18

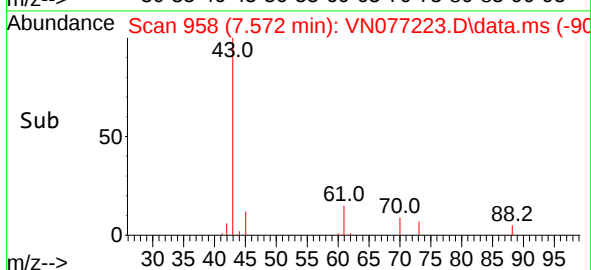
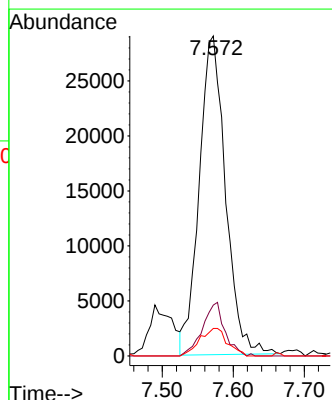
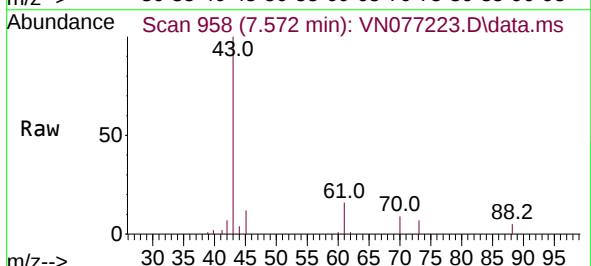
Tgt Ion: 43 Resp: 74618

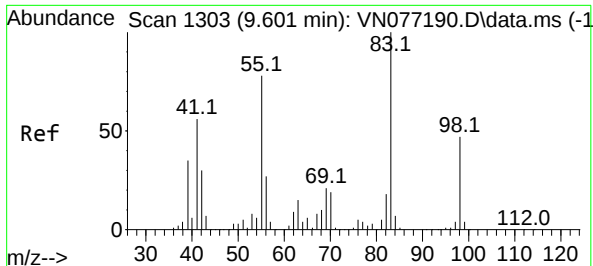
Ion Ratio Lower Upper

43 100

61 14.2 13.5 20.3

70 9.0 11.0 16.6#





#39

Methylcyclohexane

Concen: 2.761 ug/l

RT: 9.601 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077223.D

Acq: 28 Mar 2023 00:18

Instrument :

MSVOA_N

ClientSampleId :

WASTE-DRUM-SOIL

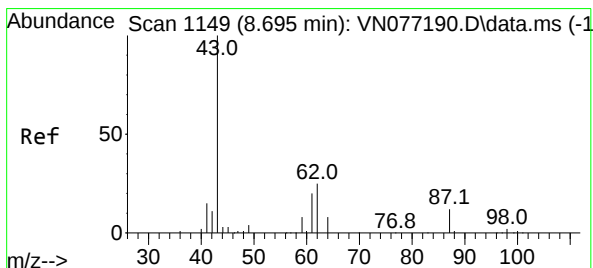
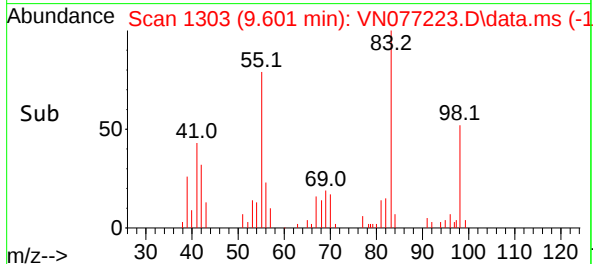
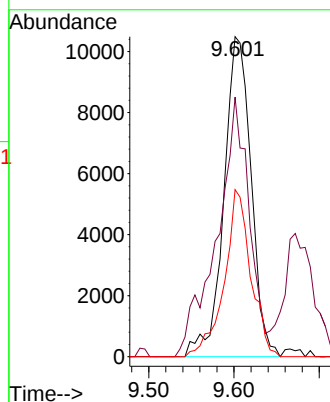
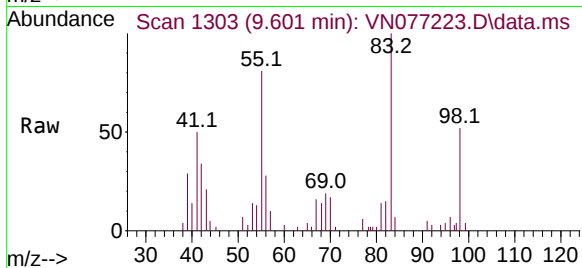
Tgt Ion: 83 Resp: 23261

Ion Ratio Lower Upper

83 100

55 78.7 47.0 70.4#

98 52.2 39.4 59.0



#43

Isopropyl Acetate

Concen: 30.633 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077223.D

Acq: 28 Mar 2023 00:18

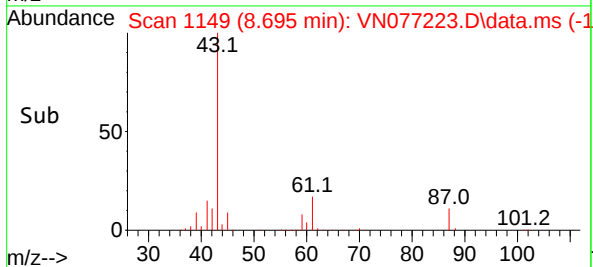
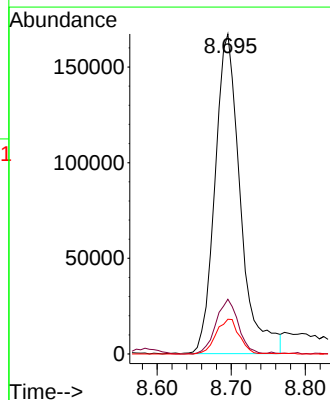
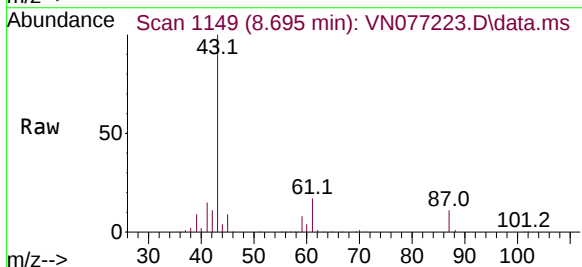
Tgt Ion: 43 Resp: 397297

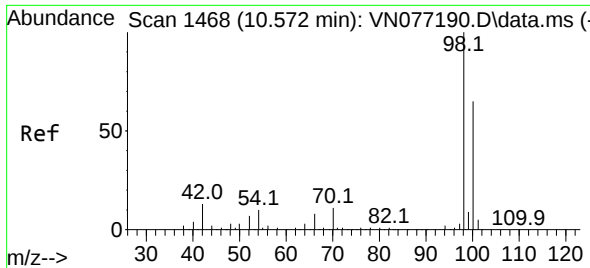
Ion Ratio Lower Upper

43 100

61 15.1 26.2 39.2#

87 10.0 14.8 22.2#

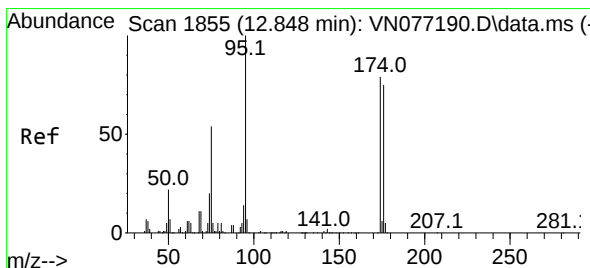
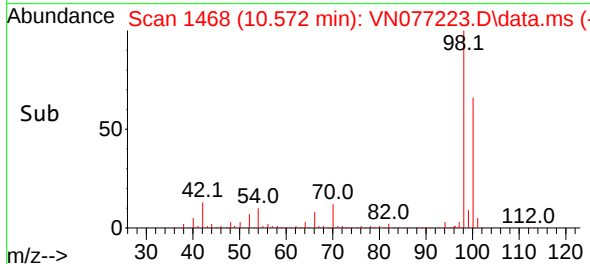
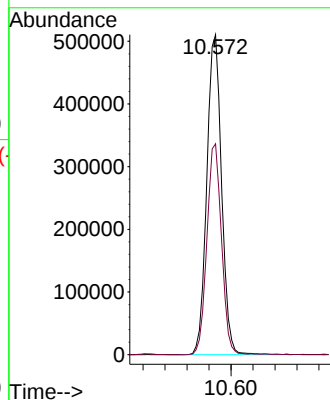
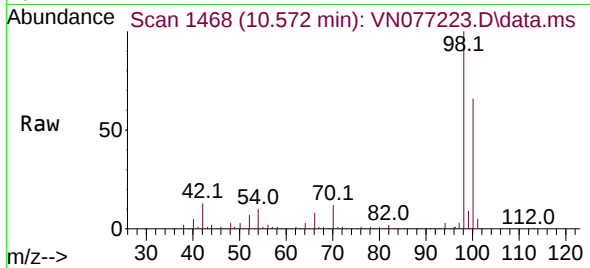




#50
Toluene-d8
Concen: 48.924 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077223.D
Acq: 28 Mar 2023 00:18

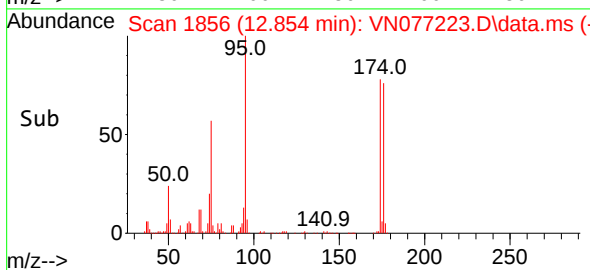
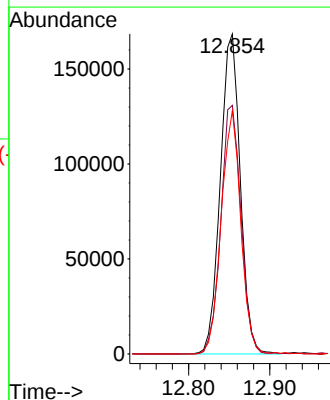
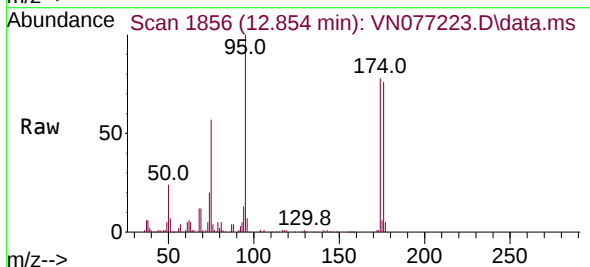
Instrument :
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WASTE-DRUM-SOIL

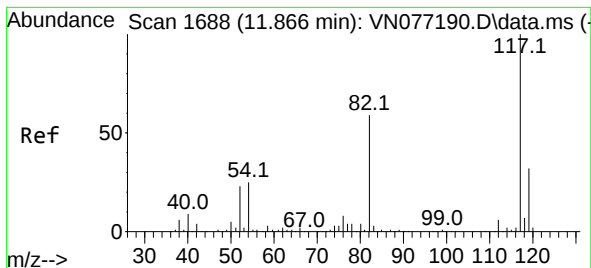
Tgt Ion: 98 Resp: 949974
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.215 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077223.D
Acq: 28 Mar 2023 00:18

Tgt Ion: 95 Resp: 288140
Ion Ratio Lower Upper
95 100
174 78.5 0.0 162.4
176 74.4 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 117

Delta R.T. -0.000 min

Lab File: VN077223.D

Acq: 28 Mar 2023 00:18

Instrument :

MSVOA_N

ClientSampleId :

WASTE-DRUM-SOIL

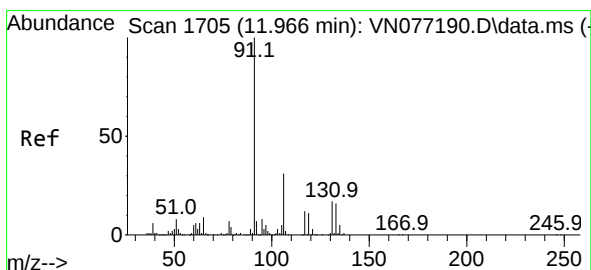
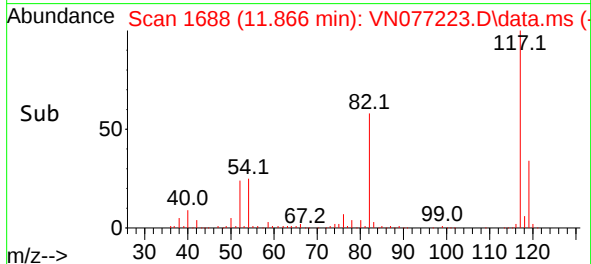
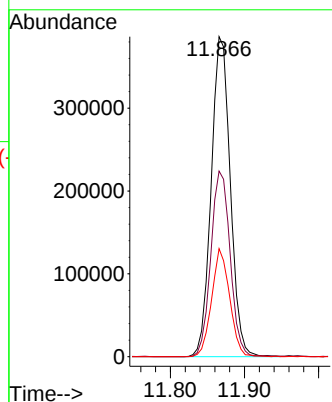
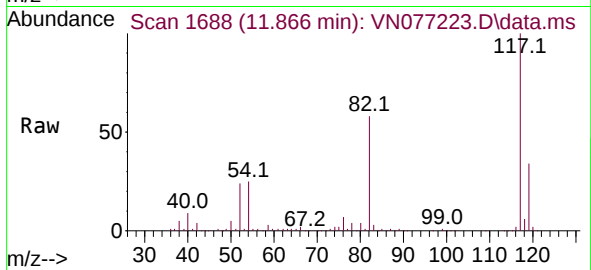
Tgt Ion:117 Resp: 691643

Ion Ratio Lower Upper

117 100

82 58.0 43.5 65.3

119 33.7 25.5 38.3



#67

Ethyl Benzene

Concen: 1.244 ug/l

RT: 11.966 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VN077223.D

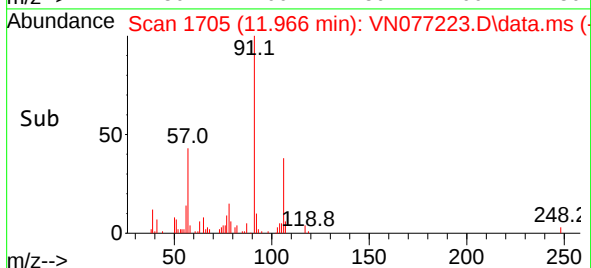
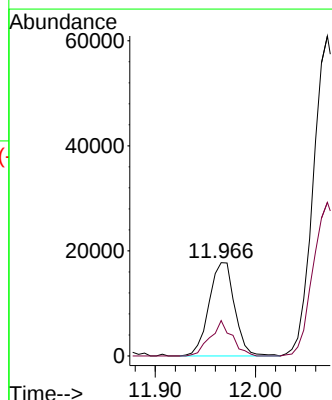
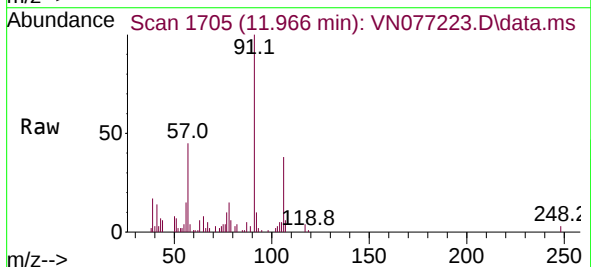
Acq: 28 Mar 2023 00:18

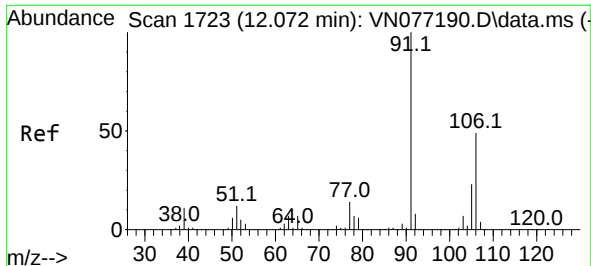
Tgt Ion: 91 Resp: 31540

Ion Ratio Lower Upper

91 100

106 38.0 25.1 37.7#

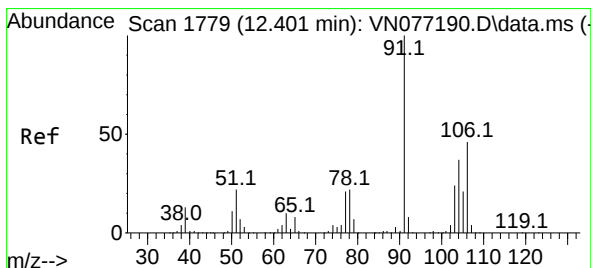
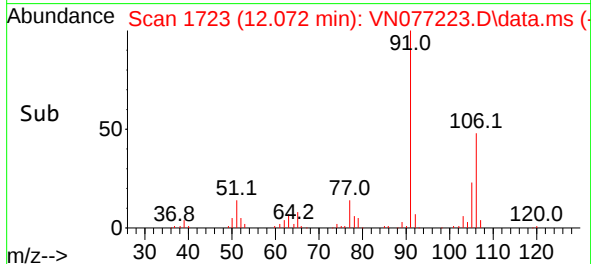
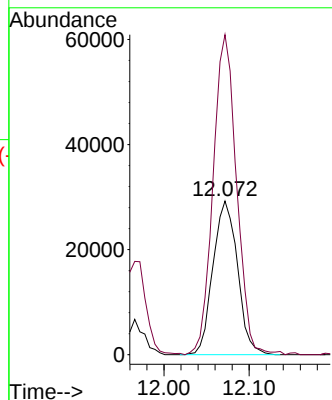
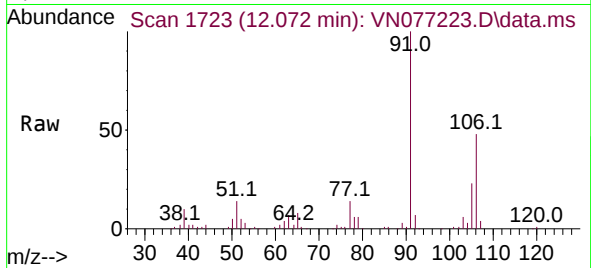




#68
m/p-Xylenes
Concen: 6.077 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN077223.D
Acq: 28 Mar 2023 00:18

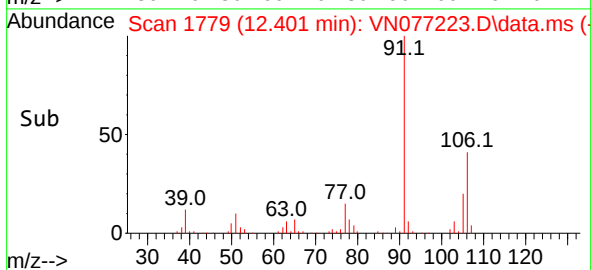
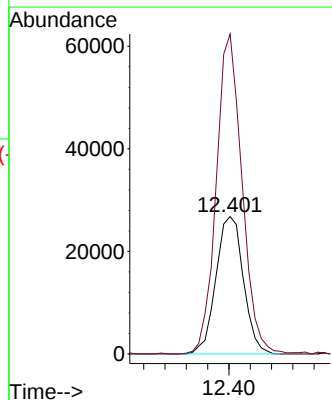
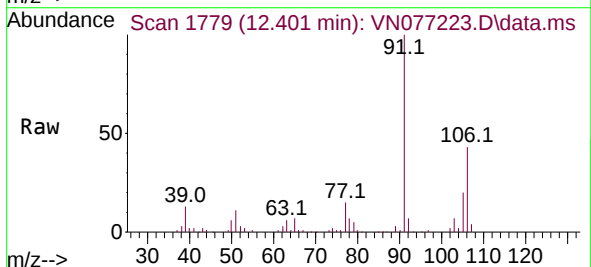
Instrument :
MSVOA_N
ClientSampleId :
WASTE-DRUM-SOIL

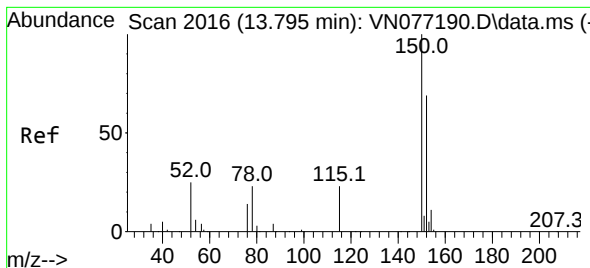
Tgt Ion:106 Resp: 58600
Ion Ratio Lower Upper
106 100
91 199.4 158.0 237.0



#69
o-Xylene
Concen: 5.135 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN077223.D
Acq: 28 Mar 2023 00:18

Tgt Ion:106 Resp: 47948
Ion Ratio Lower Upper
106 100
91 218.7 101.8 305.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN077223.D

Acq: 28 Mar 2023 00:18

Instrument :

MSVOA_N

ClientSampleId :

WASTE-DRUM-SOIL

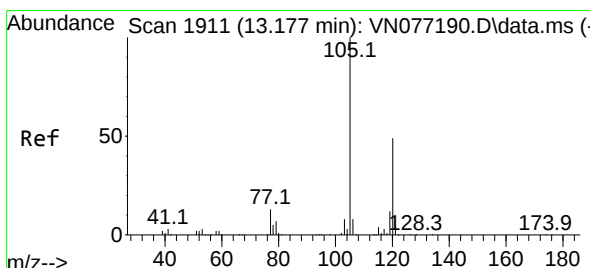
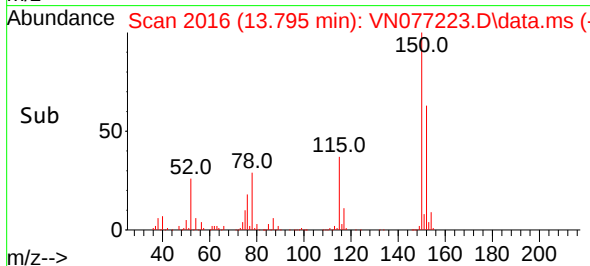
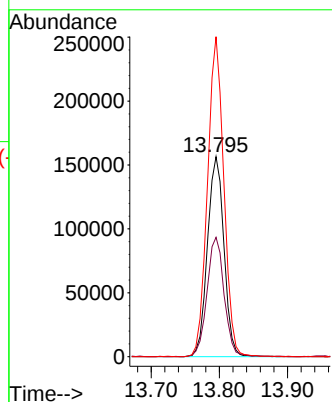
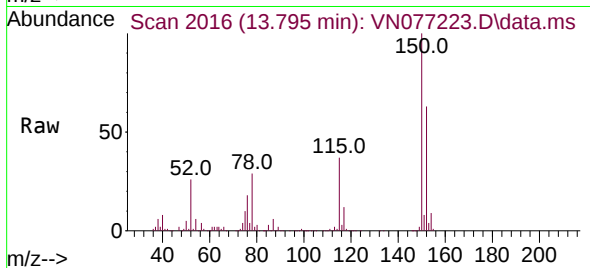
Tgt Ion:152 Resp: 263495

Ion Ratio Lower Upper

152 100

115 62.1 30.3 90.9

150 158.0 0.0 353.6



#80

1,3,5-Trimethylbenzene

Concen: 2.866 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077223.D

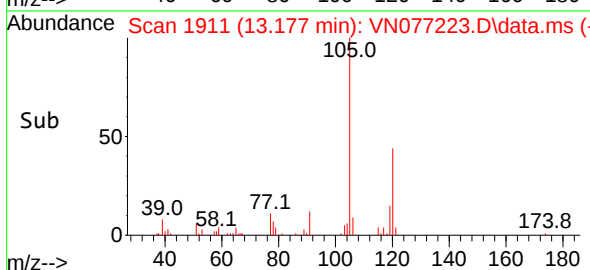
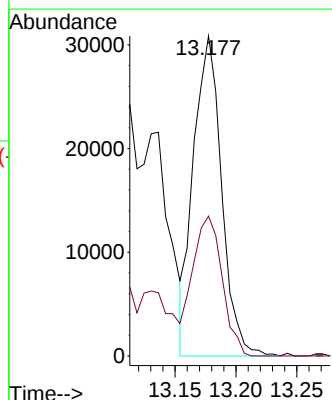
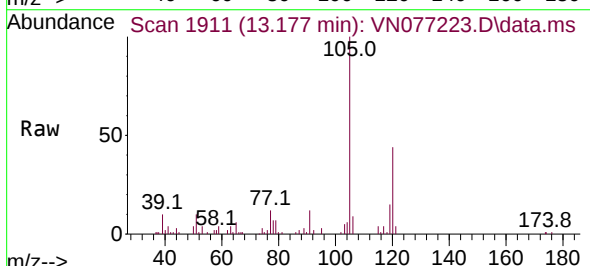
Acq: 28 Mar 2023 00:18

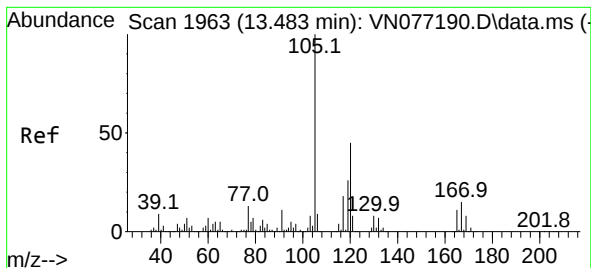
Tgt Ion:105 Resp: 49487

Ion Ratio Lower Upper

105 100

120 46.0 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 4.879 ug/l

RT: 13.489 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VN077223.D

Acq: 28 Mar 2023 00:18

Instrument :

MSVOA_N

ClientSampleId :

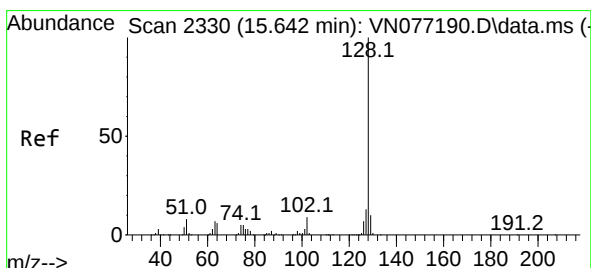
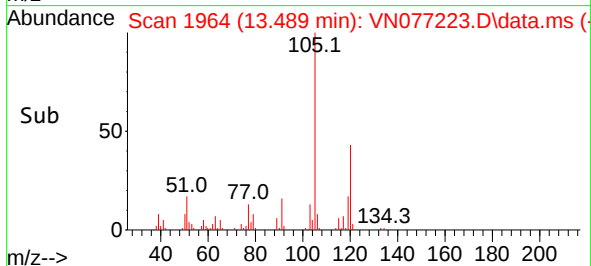
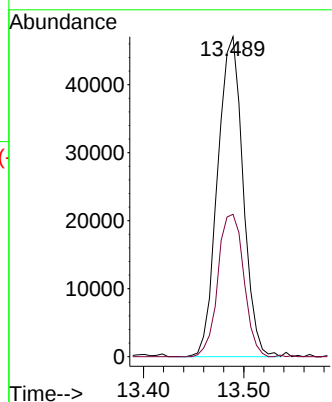
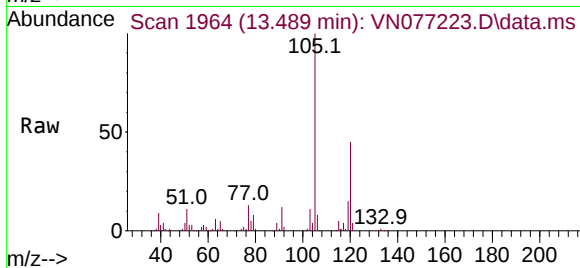
WASTE-DRUM-SOIL

Tgt Ion:105 Resp: 82781

Ion Ratio Lower Upper

105 100

120 45.2 23.6 70.8



#95

Naphthalene

Concen: 6.387 ug/l

RT: 15.654 min Scan# 2332

Delta R.T. 0.012 min

Lab File: VN077223.D

Acq: 28 Mar 2023 00:18

Tgt Ion:128 Resp: 7551

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 0.0 8.9 13.3#

