

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031221\
 Data File : VD068610.D
 Acq On : 12 Mar 2021 16:58
 Operator : VA/SY
 Sample : M1678-02
 Misc : 5.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D2470-D2800(SOIL)-A

Quant Time: Mar 12 23:36:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

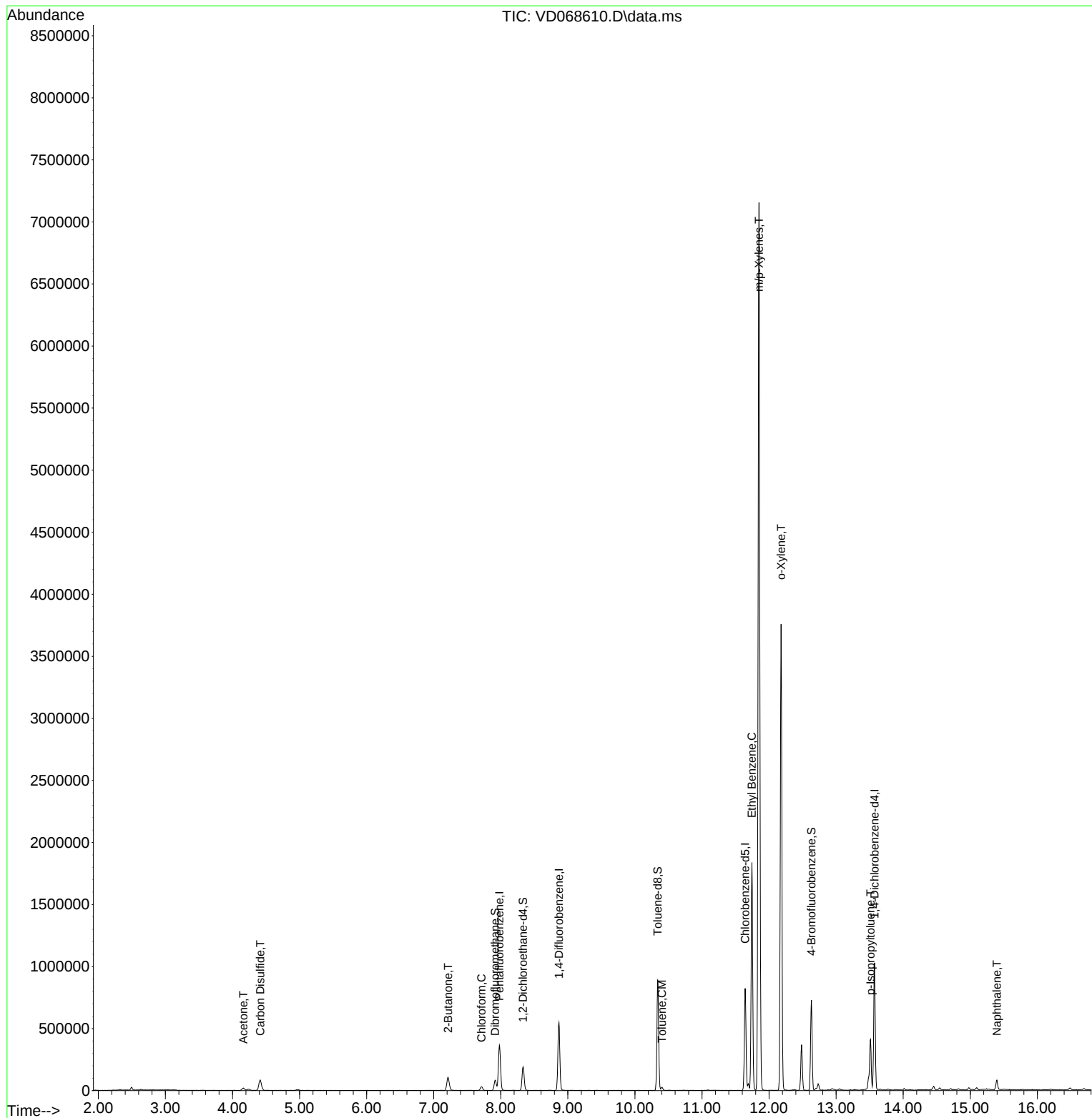
Internal Standards						
1) Pentafluorobenzene	7.979	168	280069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	501853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	487405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	277002	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	154753	55.30	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	110.60%		
35) Dibromofluoromethane	7.914	113	60722	20.09	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.18%#		
50) Toluene-d8	10.338	98	625004	51.90	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.80%		
62) 4-Bromofluorobenzene	12.632	95	232764	59.98	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	119.96%		
Target Compounds					Qvalue	
16) Acetone	4.161	43	32308	72.69	ug/l #	73
17) Carbon Disulfide	4.414	76	180181	19.55	ug/l	96
25) 2-Butanone	7.214	43	164046	256.75	ug/l	97
30) Chloroform	7.714	83	30262	5.23	ug/l	100
52) Toluene	10.402	92	10162	1.16	ug/l	92
67) Ethyl Benzene	11.743	91	1336877	75.45	ug/l	99
68) m/p-Xylenes	11.849	106	2277703	338.48	ug/l	99
69) o-Xylene	12.179	106	1046127	168.80	ug/l	97
86) p-Isopropyltoluene	13.514	119	237581	12.92	ug/l	97
95) Naphthalene	15.396	128	67508	6.22	ug/l	99

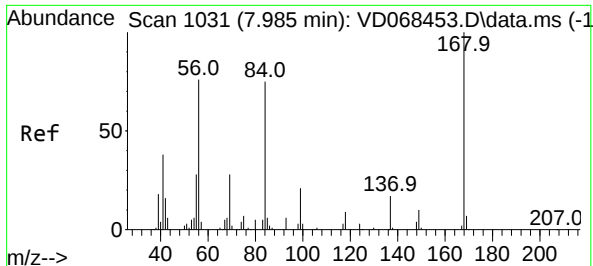
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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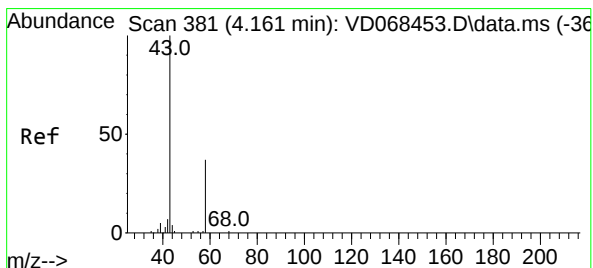
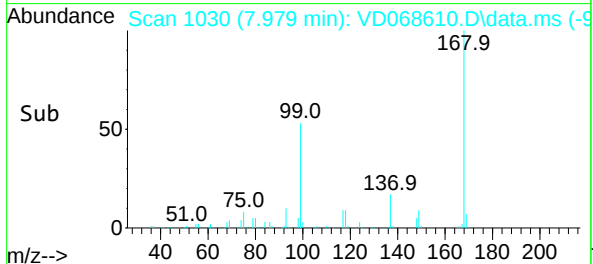
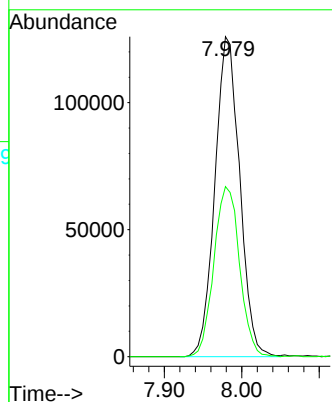
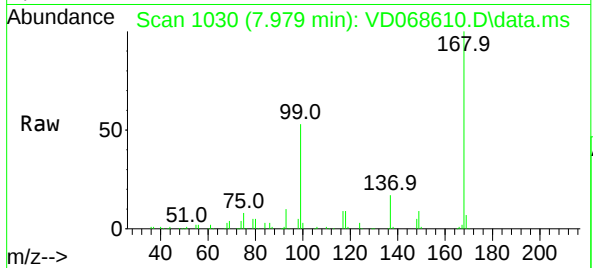




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

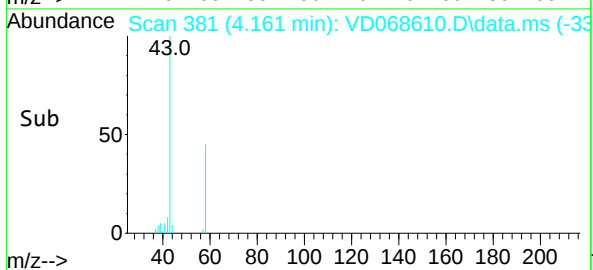
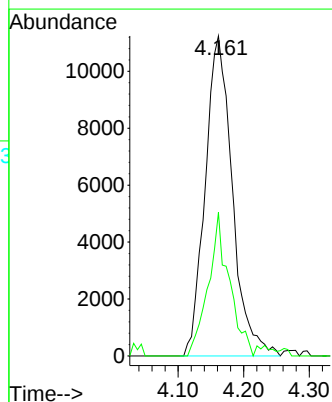
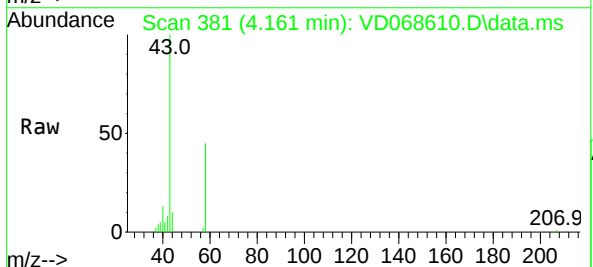
Instrument :
MSVOA_D
ClientSampleId :
D2470-D2800(SOIL)-A

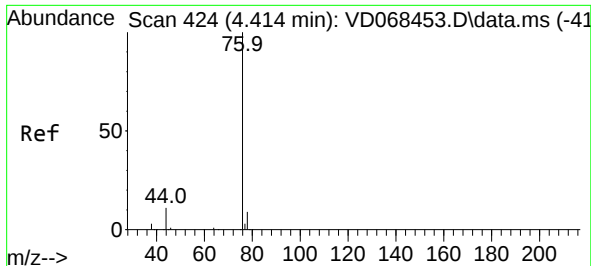
Tgt Ion:168 Resp: 280069
Ion Ratio Lower Upper
168 100
99 53.1 43.5 65.3



#16
Acetone
Concen: 72.69 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

Tgt Ion: 43 Resp: 32308
Ion Ratio Lower Upper
43 100
58 44.9 24.2 36.4#

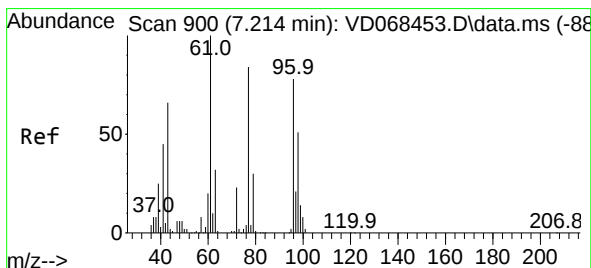
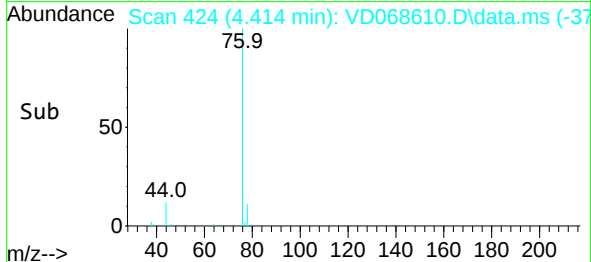
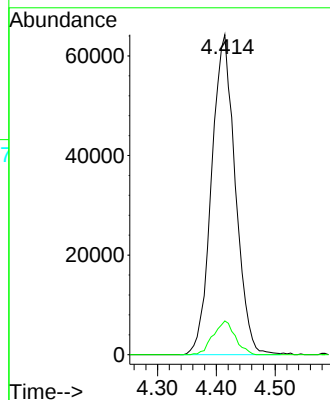
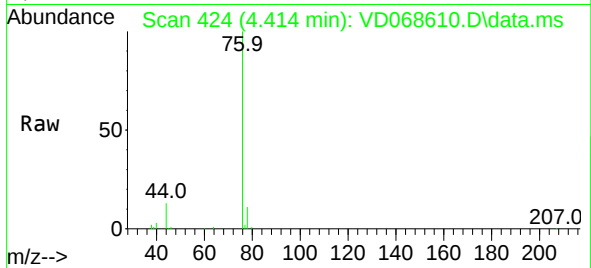




#17
Carbon Disulfide
Concen: 19.55 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

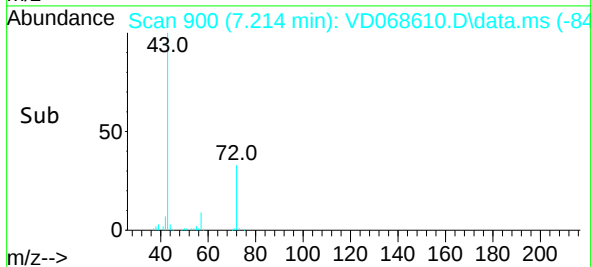
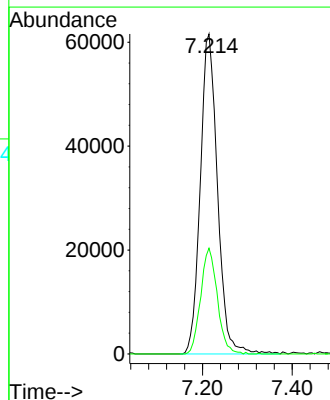
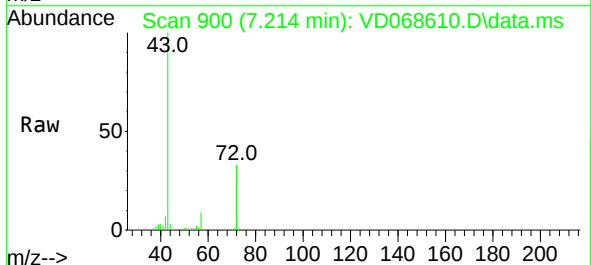
Instrument :
MSVOA_D
ClientSampleId :
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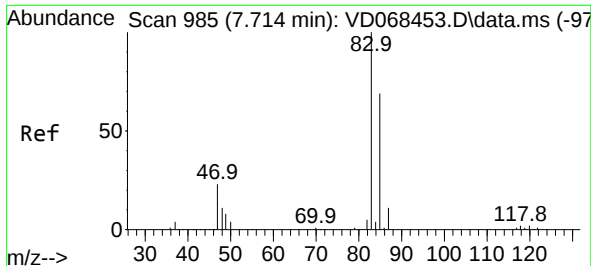
Tgt Ion: 76 Resp: 180181
Ion Ratio Lower Upper
76 100
78 10.6 7.3 10.9



#25
2-Butanone
Concen: 256.75 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

Tgt Ion: 43 Resp: 164046
Ion Ratio Lower Upper
43 100
72 33.0 25.1 37.7

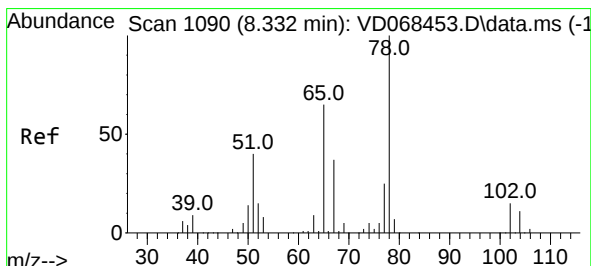
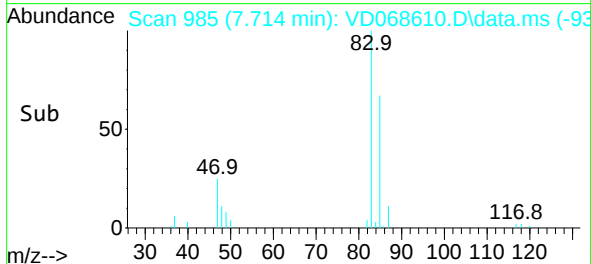
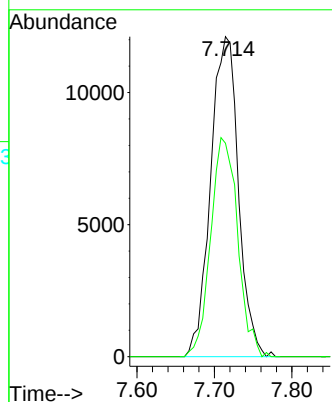
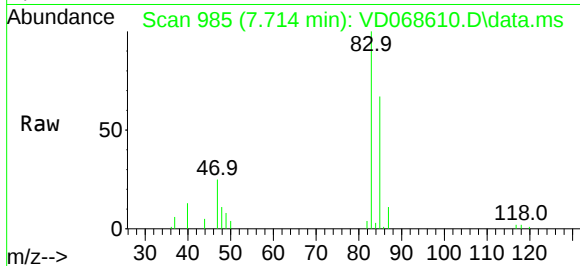




#30
Chloroform
Concen: 5.23 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

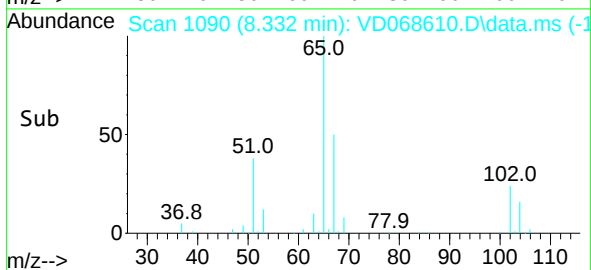
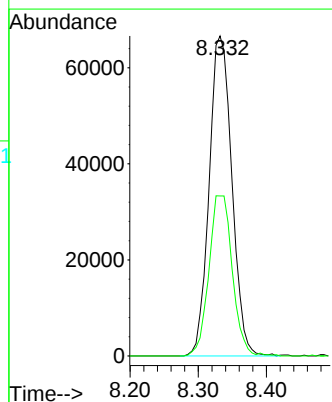
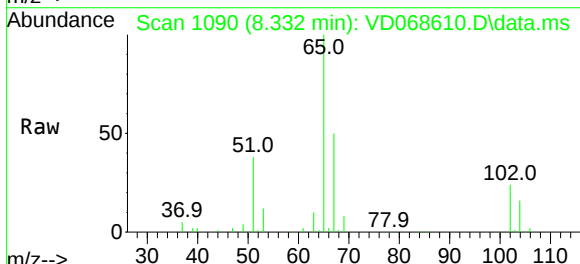
Instrument :
MSVOA_D
ClientSampleId :
D2470-D2800(SOIL)-A

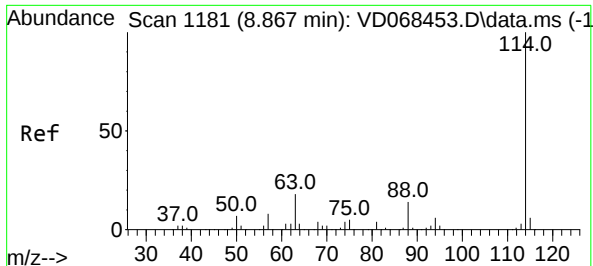
Tgt Ion: 83 Resp: 30262
Ion Ratio Lower Upper
83 100
85 66.7 53.4 80.0



#33
1,2-Dichloroethane-d4
Concen: 55.30 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

Tgt Ion: 65 Resp: 154753
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068610.D

Acq: 12 Mar 2021 16:58

Tgt Ion:114 Resp: 501853

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.8

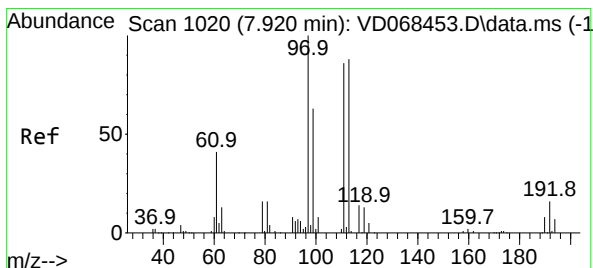
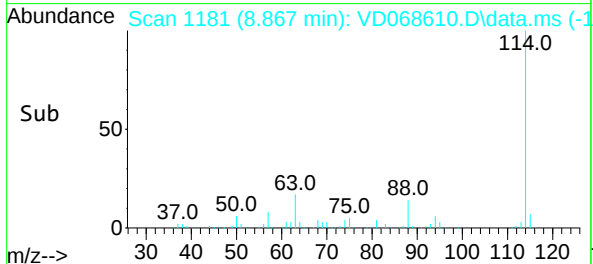
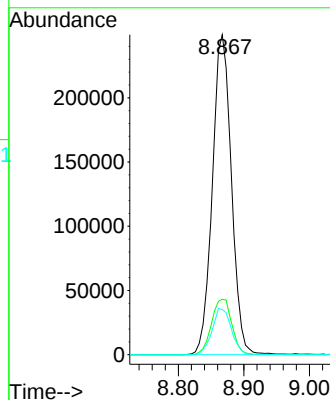
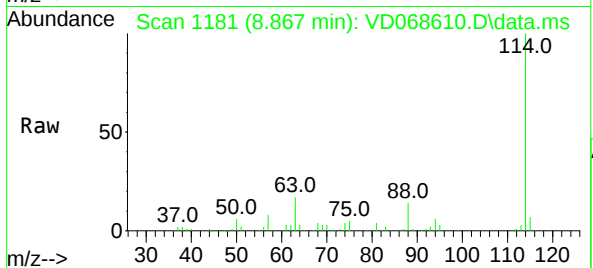
88 14.2 0.0 31.6

Instrument :

MSVOA_D

ClientSampleId :

D2470-D2800(SOIL)-A



#35

Dibromofluoromethane

Concen: 20.09 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068610.D

Acq: 12 Mar 2021 16:58

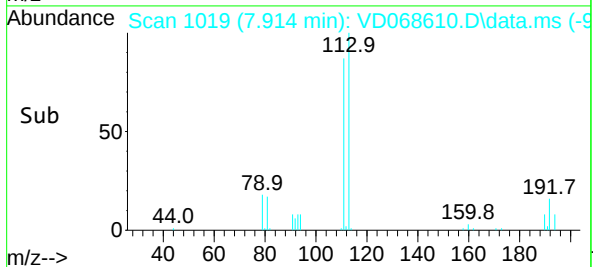
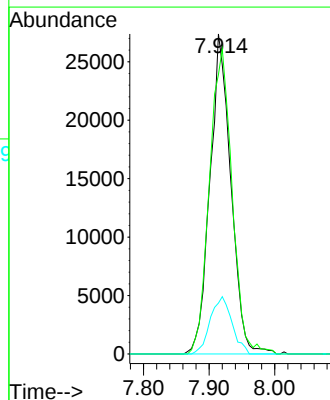
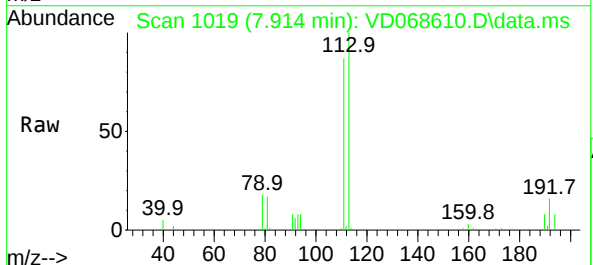
Tgt Ion:113 Resp: 60722

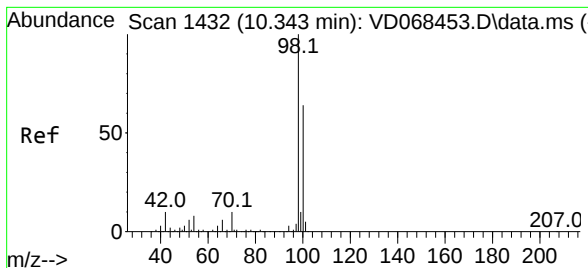
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 18.5 16.1 24.1

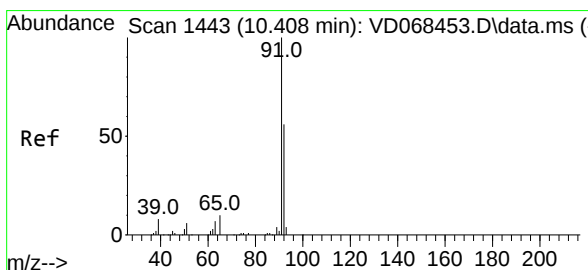
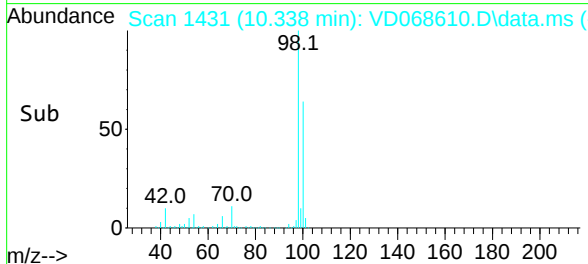
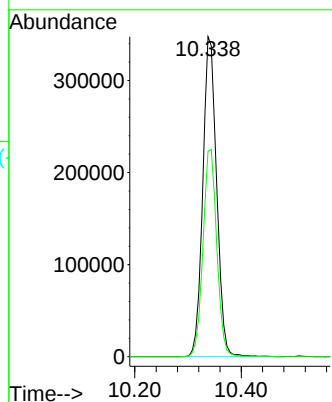
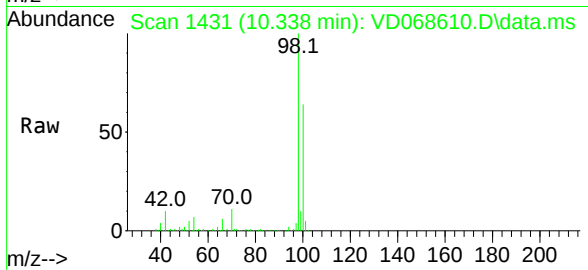




#50
Toluene-d8
Concen: 51.90 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

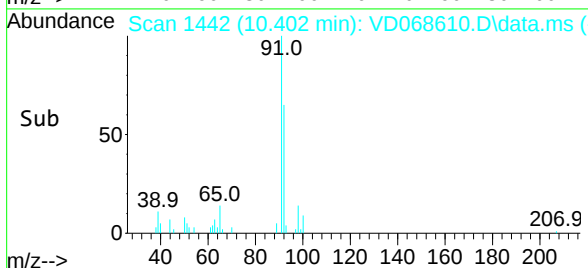
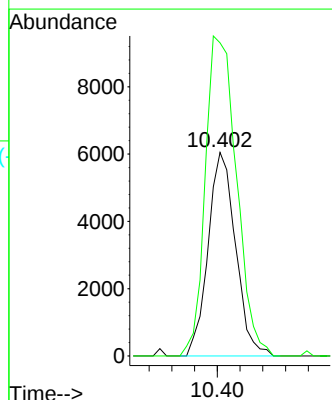
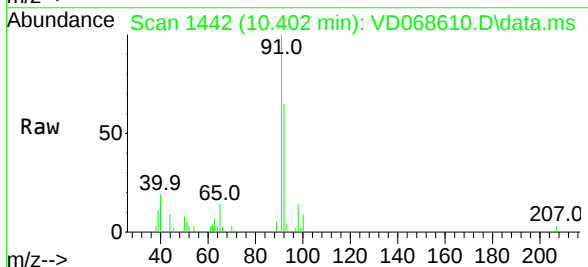
Instrument :
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D2470-D2800(SOIL)-A

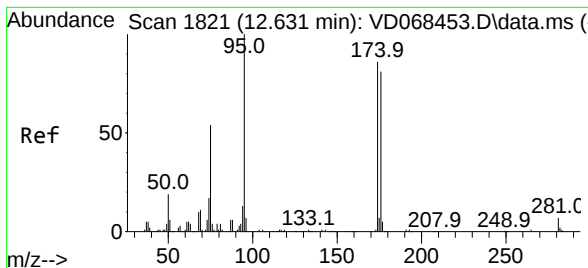
Tgt Ion: 98 Resp: 625004
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4



#52
Toluene
Concen: 1.16 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

Tgt Ion: 92 Resp: 10162
Ion Ratio Lower Upper
92 100
91 178.4 134.1 201.1

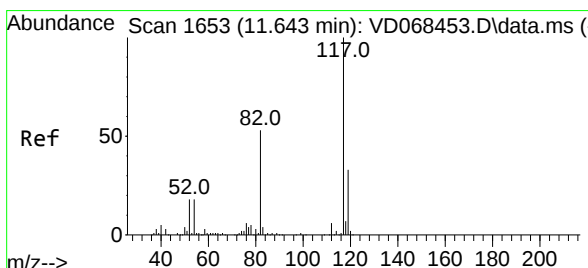
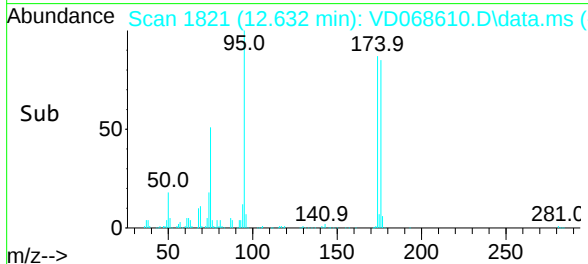
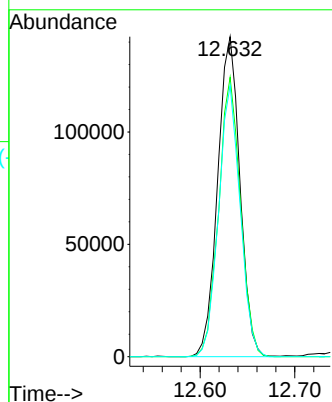
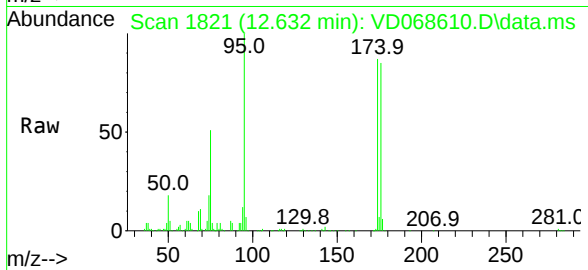




#62
4-Bromofluorobenzene
Concen: 59.98 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

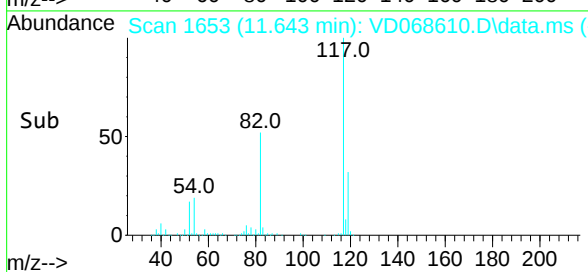
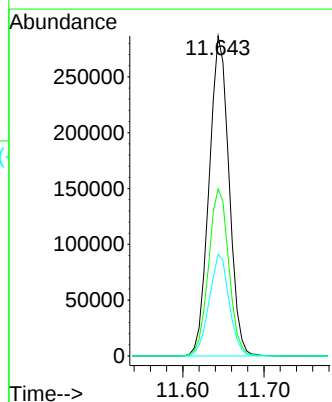
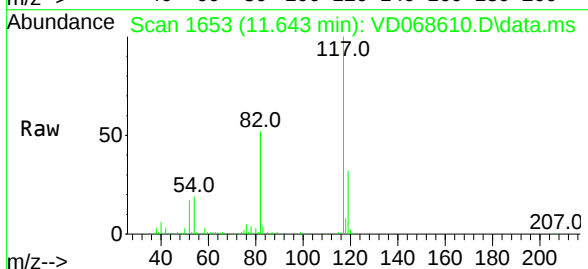
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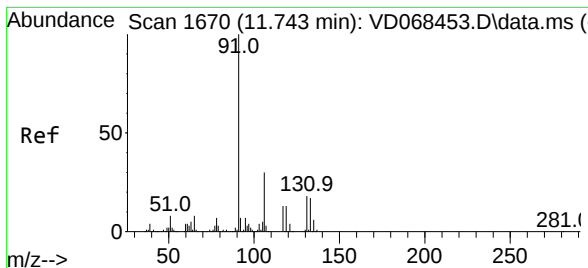
Tgt Ion: 95 Resp: 232764
Ion Ratio Lower Upper
95 100
174 85.4 0.0 172.4
176 81.9 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

Tgt Ion: 117 Resp: 487405
Ion Ratio Lower Upper
117 100
82 52.2 41.4 62.0
119 31.8 26.1 39.1

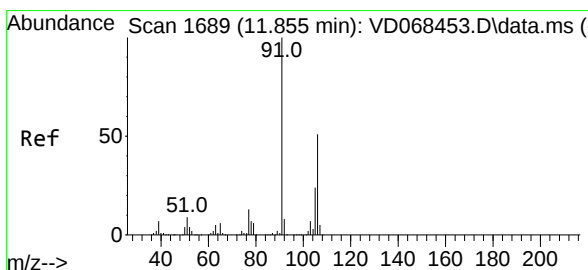
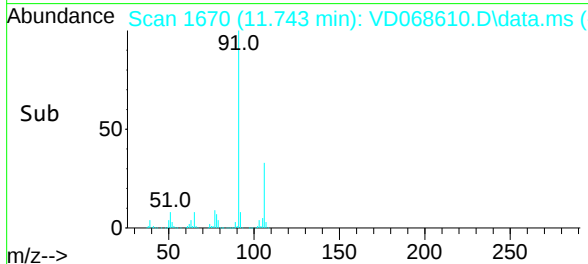
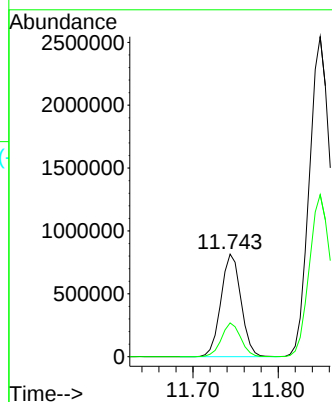
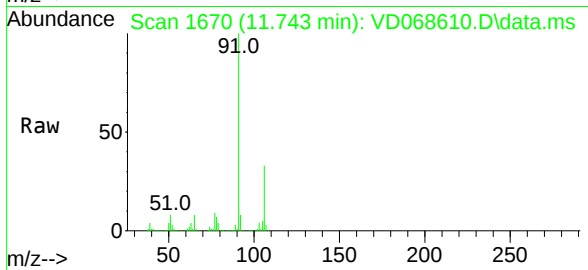




#67
Ethyl Benzene
Concen: 75.45 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

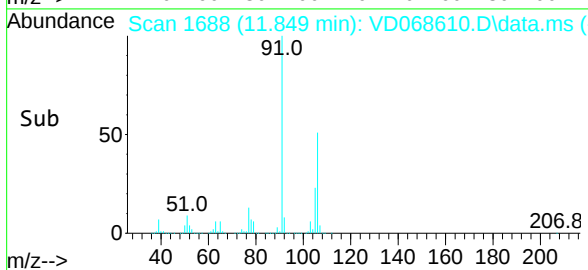
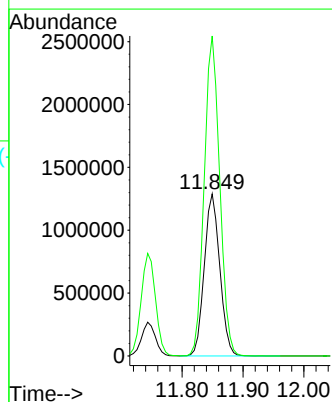
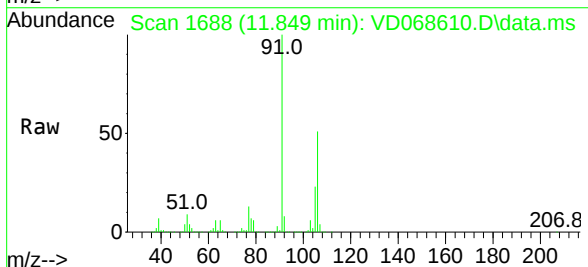
Instrument :
MSVOA_D
ClientSampleId :
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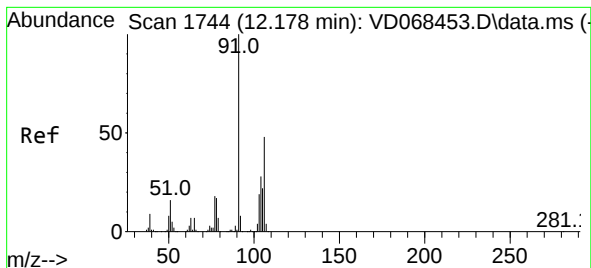
Tgt Ion: 91 Resp: 1336877
Ion Ratio Lower Upper
91 100
106 32.9 25.9 38.9



#68
m/p-Xylenes
Concen: 338.48 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

Tgt Ion:106 Resp: 2277703
Ion Ratio Lower Upper
106 100
91 197.0 159.1 238.7

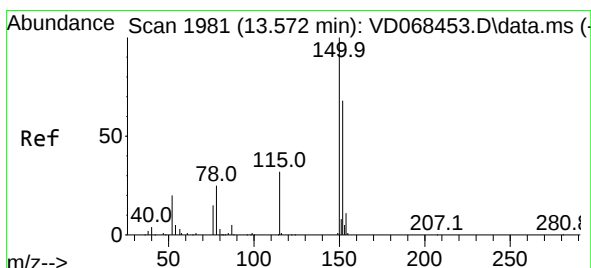
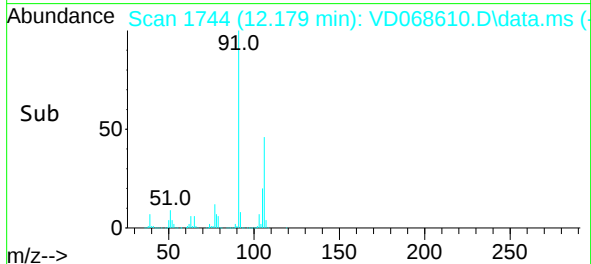
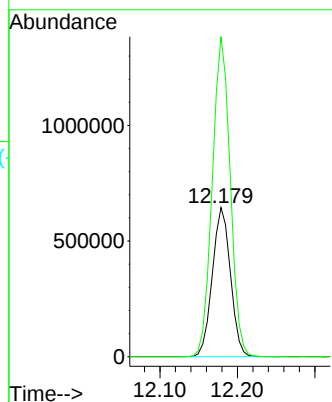
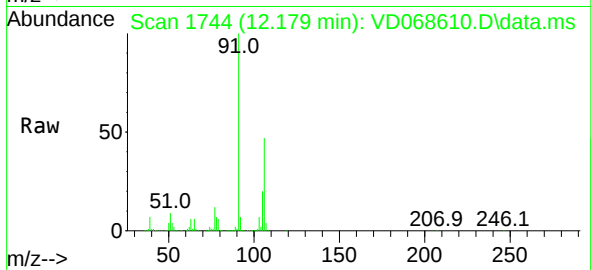




#69
o-Xylene
Concen: 168.80 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

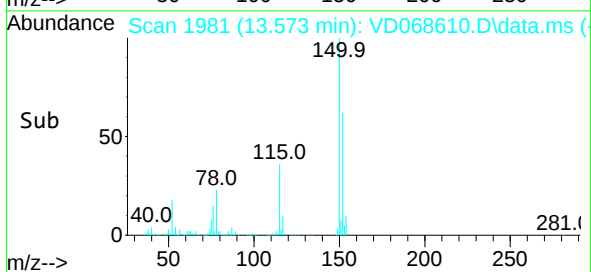
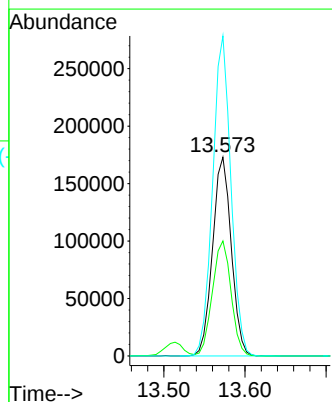
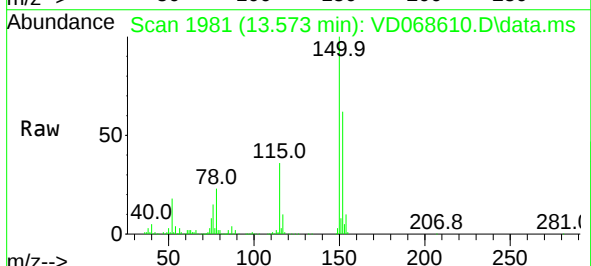
Instrument :
MSVOA_D
ClientSampleId :
D2470-D2800(SOIL)-A

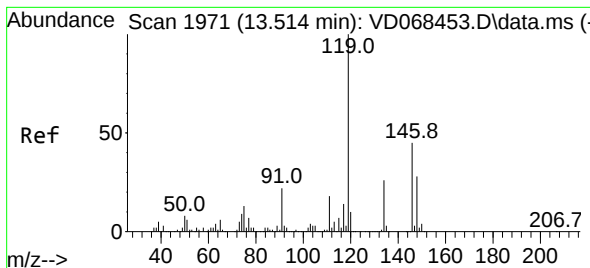
Tgt Ion:106 Resp: 1046127
Ion Ratio Lower Upper
106 100
91 212.8 108.7 325.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

Tgt Ion:152 Resp: 277002
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.8
150 157.2 0.0 344.4

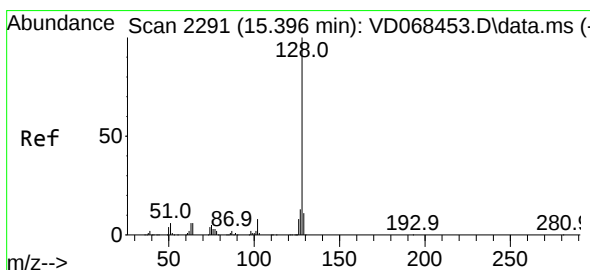
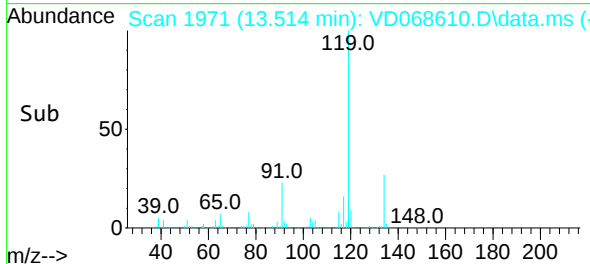
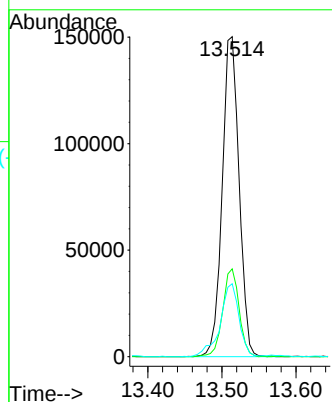
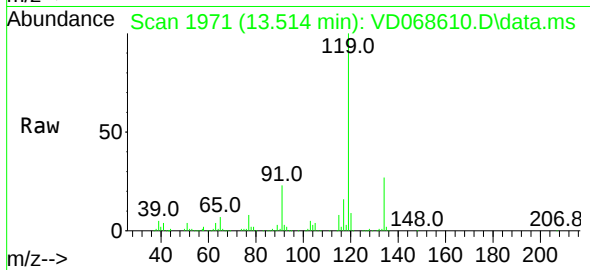




#86
p-Isopropyltoluene
Concen: 12.92 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

Instrument :
MSVOA_D
ClientSampleId :
D2470-D2800(SOIL)-A

Tgt Ion:119 Resp: 237581
Ion Ratio Lower Upper
119 100
134 26.7 12.9 38.7
91 25.7 11.7 35.0



#95
Naphthalene
Concen: 6.22 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068610.D
Acq: 12 Mar 2021 16:58

Tgt Ion:128 Resp: 67508
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.6 8.8 13.2

