

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069101.D
 Acq On : 07 May 2021 14:25
 Operator : VA/SY
 Sample : M2330-01
 Misc : 6.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CFOS-SOIL

Quant Time: May 08 00:07:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	170570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	356046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	296473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	77502	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	124480	56.63	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.26%
35) Dibromofluoromethane	7.914	113	127781	52.33	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.66%
50) Toluene-d8	10.338	98	412564	45.77	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.54%
62) 4-Bromofluorobenzene	12.626	95	113856	38.40	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.80%

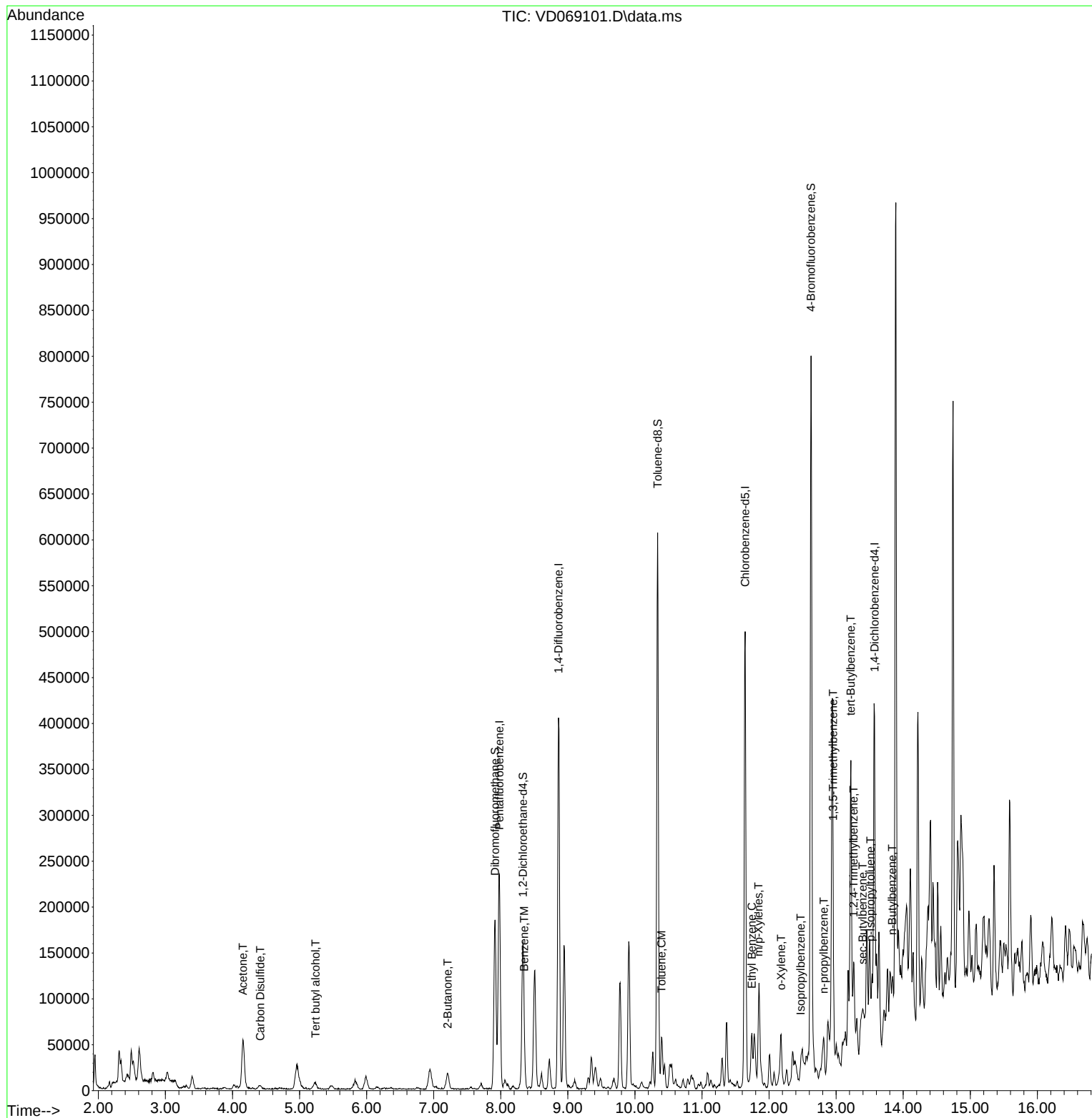
Target Compounds						Qvalue
11) Tert butyl alcohol	5.238	59	12516	41.07	ug/l #	95
16) Acetone	4.156	43	90115	296.53	ug/l	97
17) Carbon Disulfide	4.414	76	7895	1.31	ug/l	95
25) 2-Butanone	7.208	43	12351	26.28	ug/l	100
40) Benzene	8.350	78	21952	2.12	ug/l	92
52) Toluene	10.397	92	23588	3.59	ug/l	89
67) Ethyl Benzene	11.743	91	37245	3.47	ug/l	98
68) m/p-Xylenes	11.843	106	21644	5.37	ug/l	97
69) o-Xylene	12.179	106	13206	3.65	ug/l	99
73) Isopropylbenzene	12.473	105	13193	2.46	ug/l	98
78) n-propylbenzene	12.814	91	26468	4.02	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	24883	5.45	ug/l	98
83) tert-Butylbenzene	13.220	119	149509	40.17	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	64322	14.10	ug/l	97
85) sec-Butylbenzene	13.396	105	15510	2.88	ug/l	88
86) p-Isopropyltoluene	13.514	119	11181	2.25	ug/l	92
89) n-Butylbenzene	13.837	91	27758	5.88	ug/l #	70

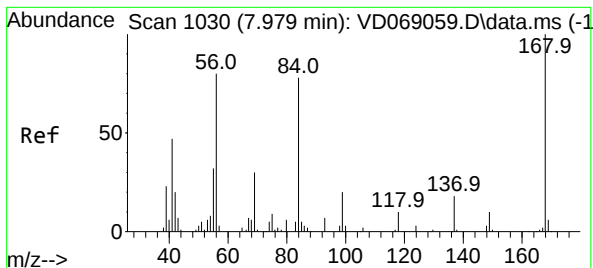
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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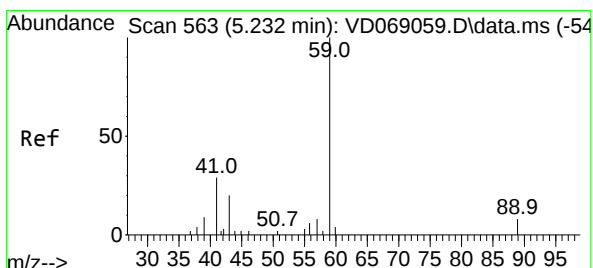
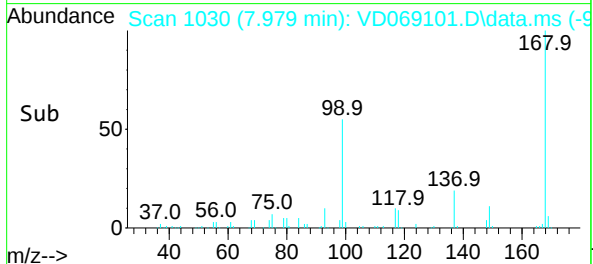
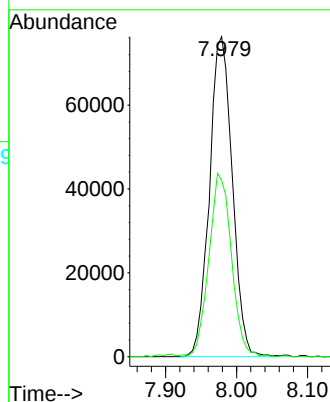
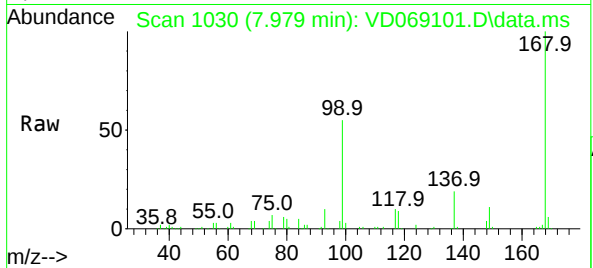




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

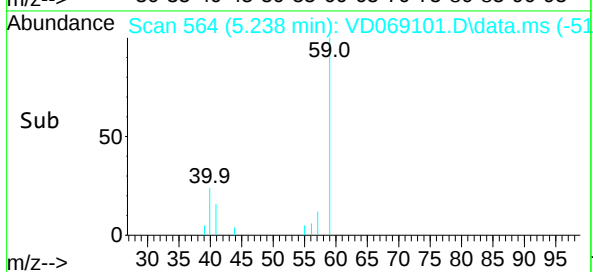
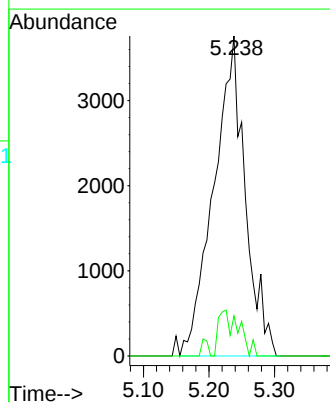
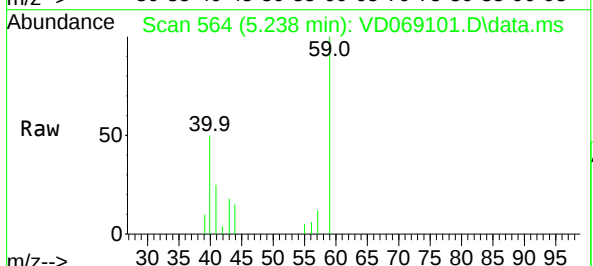
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MSVOA_D
ClientSampleId :
CFOS-SOIL

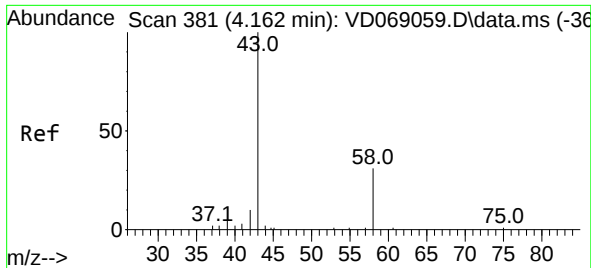
Tgt Ion:168 Resp: 170570
Ion Ratio Lower Upper
168 100
99 54.9 52.6 78.8



#11
Tert butyl alcohol
Concen: 41.07 ug/l
RT: 5.238 min Scan# 564
Delta R.T. 0.006 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

Tgt Ion: 59 Resp: 12516
Ion Ratio Lower Upper
59 100
57 4.9 5.3 7.9#

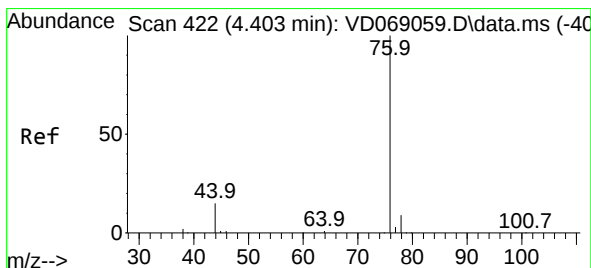
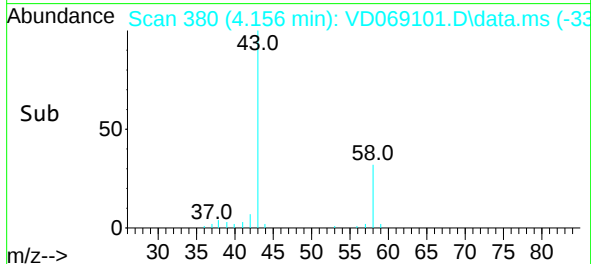
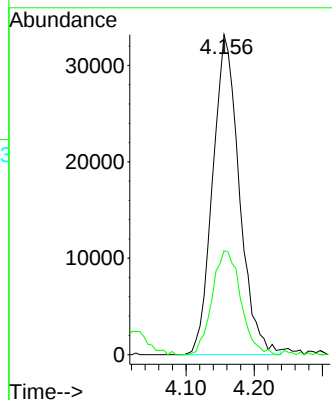
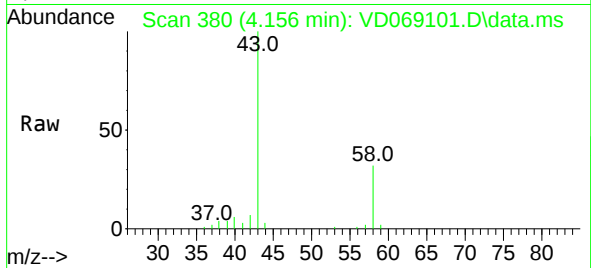




#16
Acetone
Concen: 296.53 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

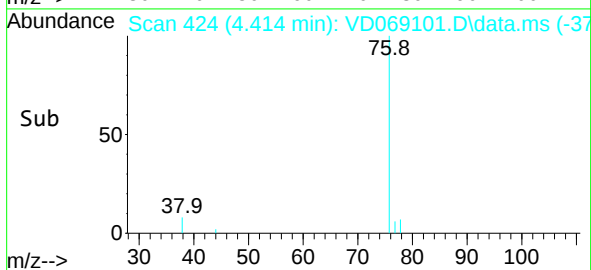
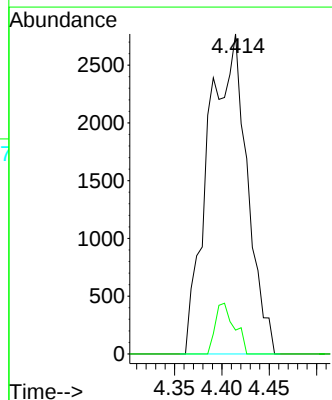
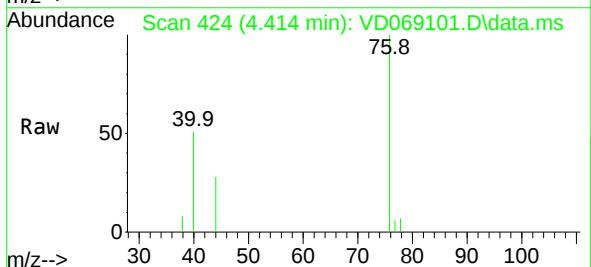
Instrument :
MSVOA_D
ClientSampleId :
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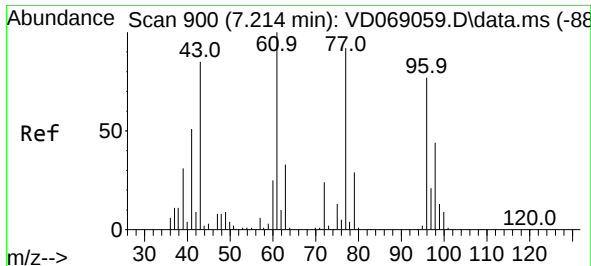
Tgt Ion: 43 Resp: 90115
Ion Ratio Lower Upper
43 100
58 32.5 24.5 36.7



#17
Carbon Disulfide
Concen: 1.31 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.012 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

Tgt Ion: 76 Resp: 7895
Ion Ratio Lower Upper
76 100
78 7.5 7.4 11.2

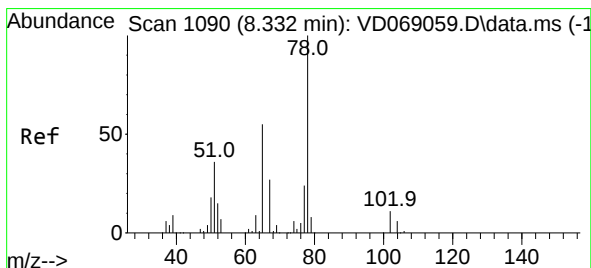
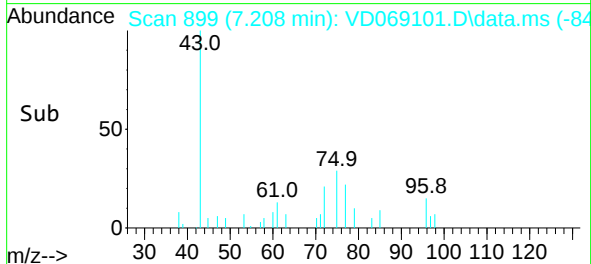
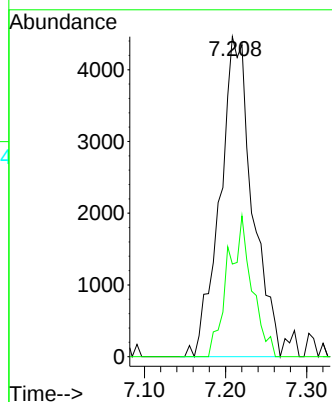
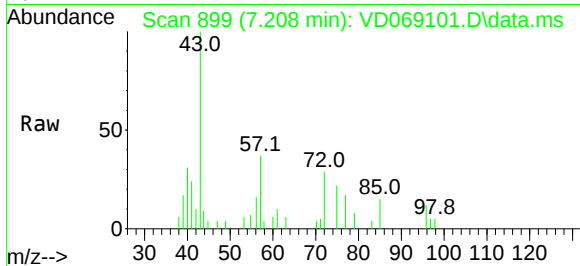




#25
2-Butanone
Concen: 26.28 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

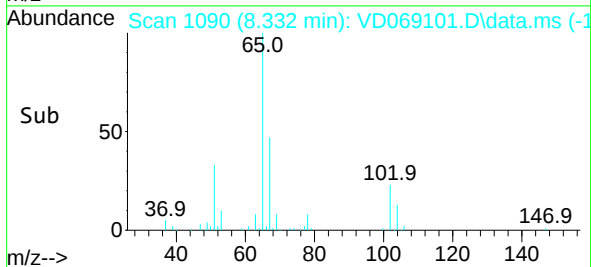
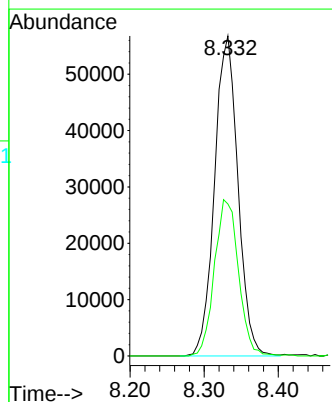
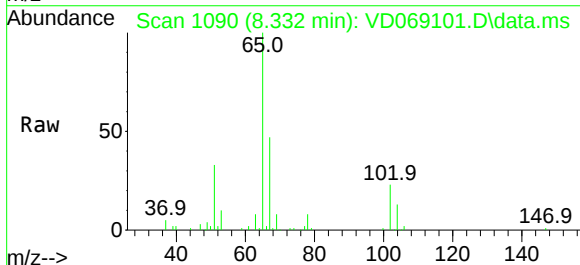
Instrument :
MSVOA_D
ClientSampleId :
CFOS-SOIL

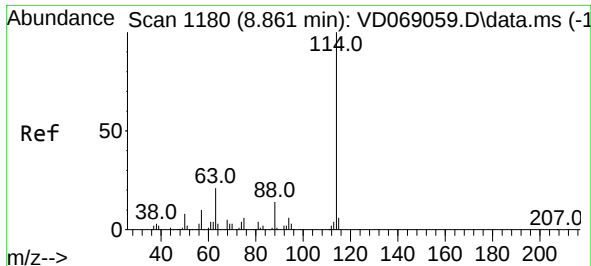
Tgt Ion: 43 Resp: 12351
Ion Ratio Lower Upper
43 100
72 29.0 23.0 34.4



#33
1,2-Dichloroethane-d4
Concen: 56.63 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

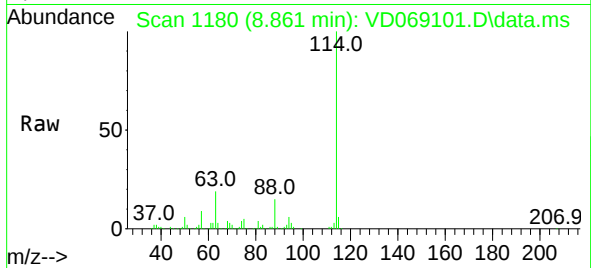
Tgt Ion: 65 Resp: 124480
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.4



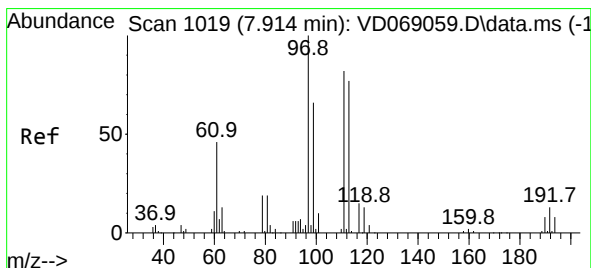
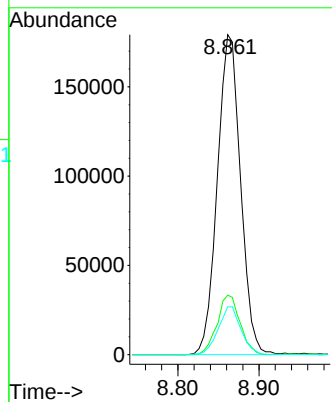
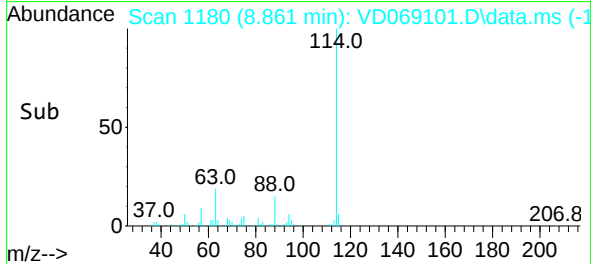


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

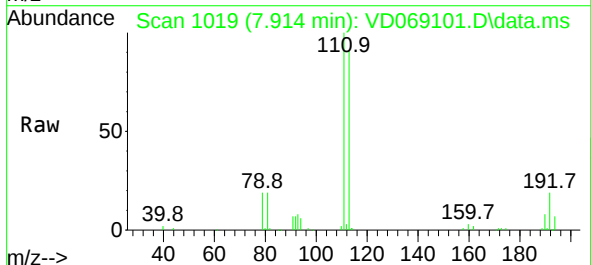
Instrument :
MSVOA_D
ClientSampleId :
CFOS-SOIL



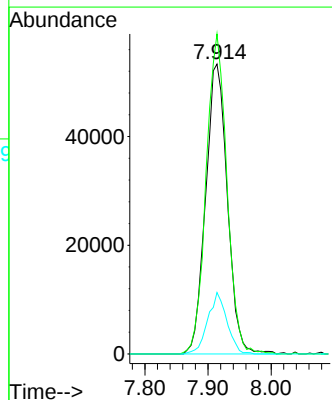
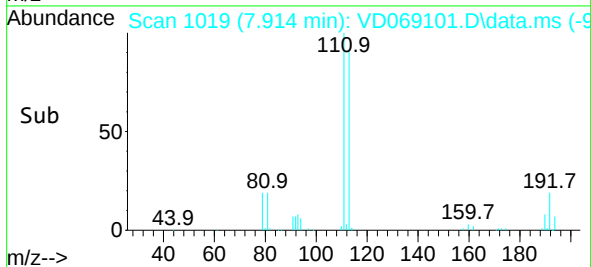
Tgt Ion:114 Resp: 356046
Ion Ratio Lower Upper
114 100
63 18.6 0.0 41.4
88 14.9 0.0 27.8

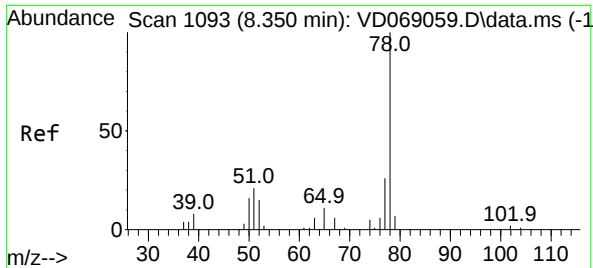


#35
Dibromofluoromethane
Concen: 52.33 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25



Tgt Ion:113 Resp: 127781
Ion Ratio Lower Upper
113 100
111 105.5 84.6 126.8
192 18.7 13.5 20.3

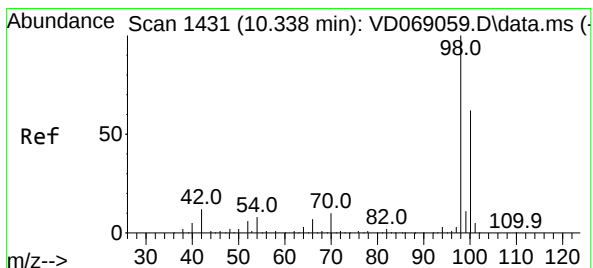
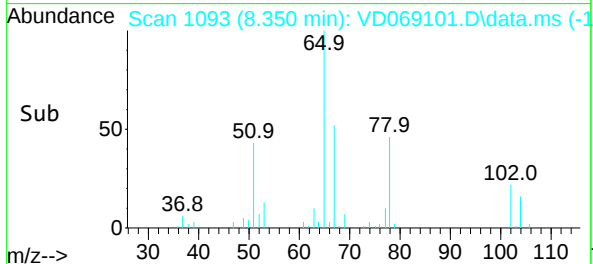
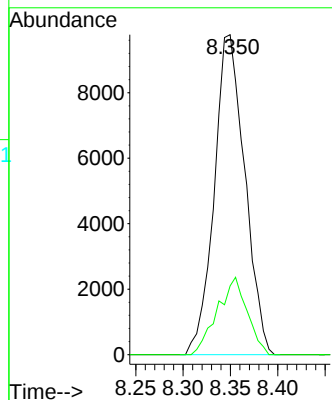
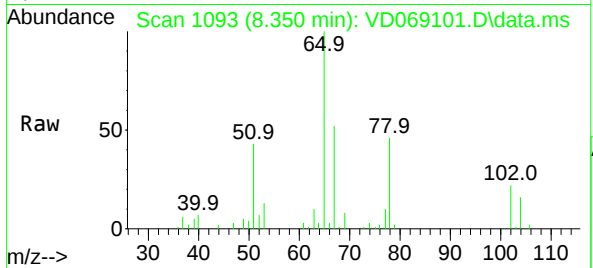




#40
Benzene
Concen: 2.12 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

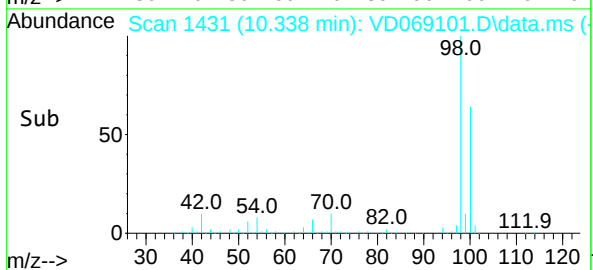
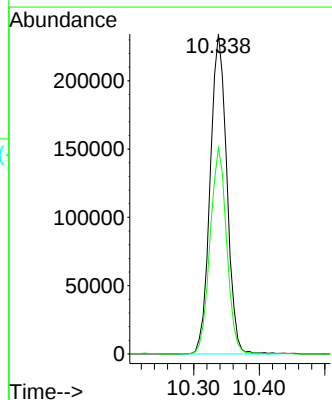
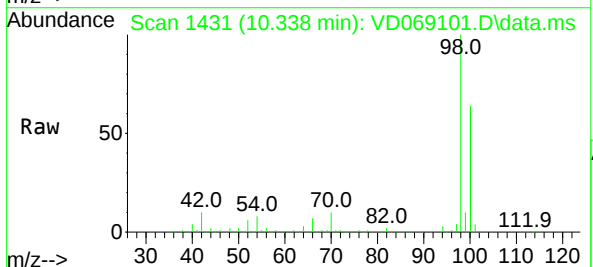
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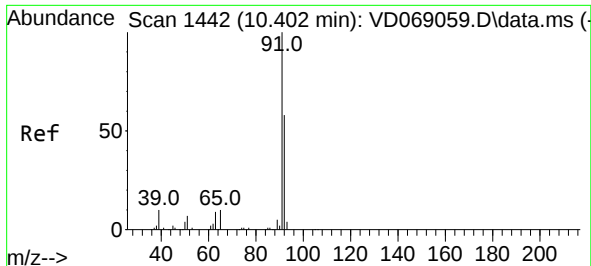
Tgt Ion: 78 Resp: 21952
Ion Ratio Lower Upper
78 100
77 21.5 20.5 30.7



#50
Toluene-d8
Concen: 45.77 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

Tgt Ion: 98 Resp: 412564
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

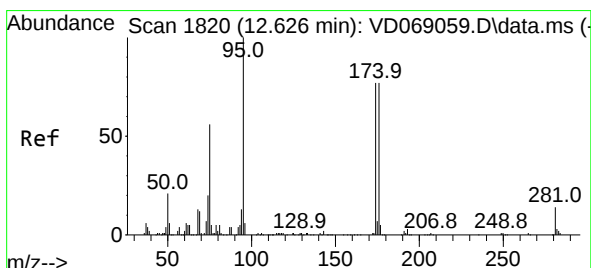
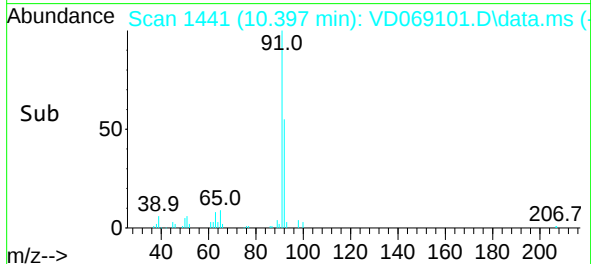
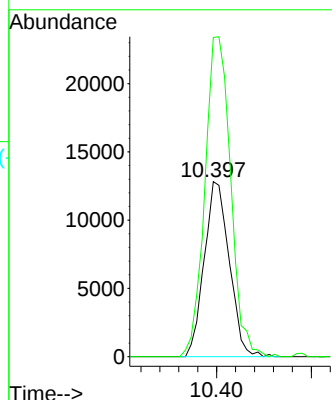
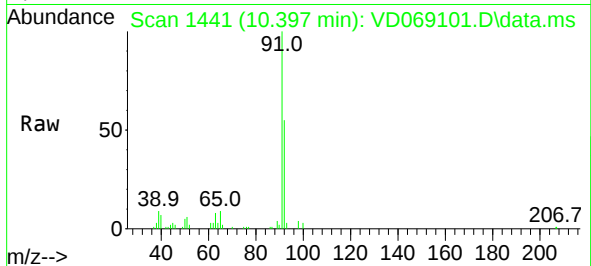




#52
Toluene
Concen: 3.59 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

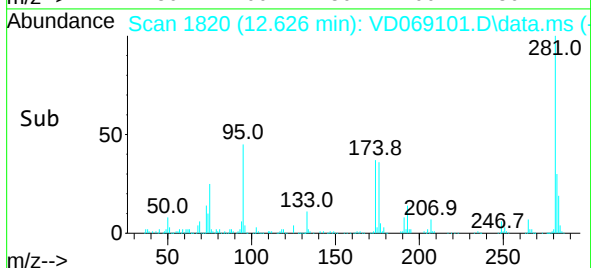
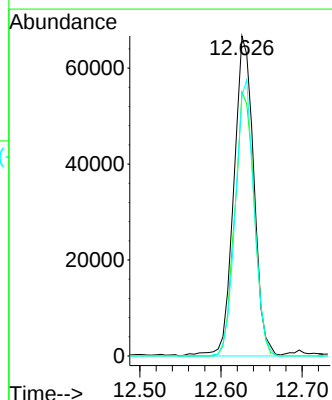
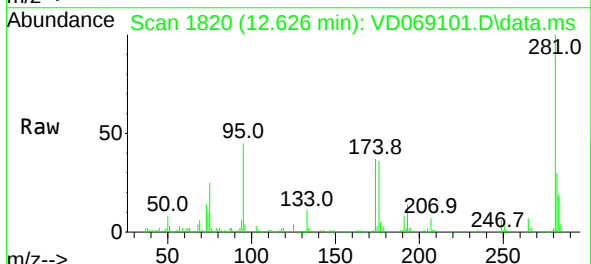
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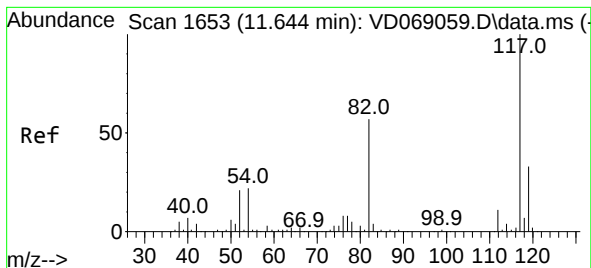
Tgt Ion: 92 Resp: 23588
Ion Ratio Lower Upper
92 100
91 188.3 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 38.40 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

Tgt Ion: 95 Resp: 113856
Ion Ratio Lower Upper
95 100
174 80.2 0.0 156.0
176 80.8 0.0 149.4

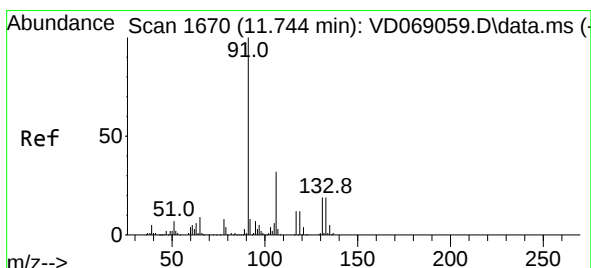
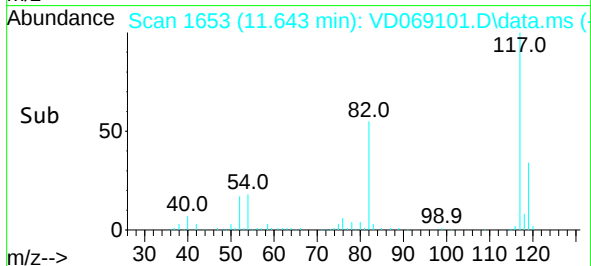
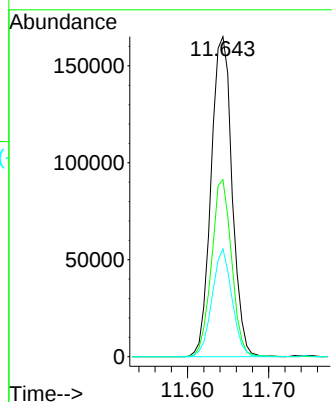
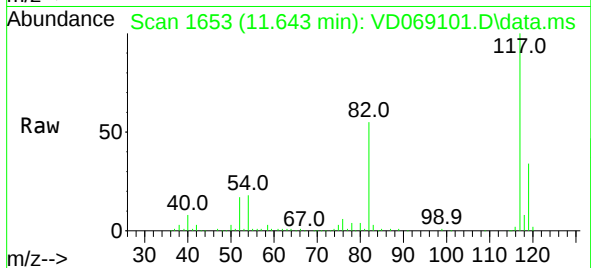




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

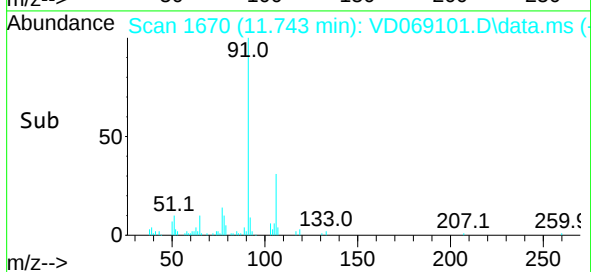
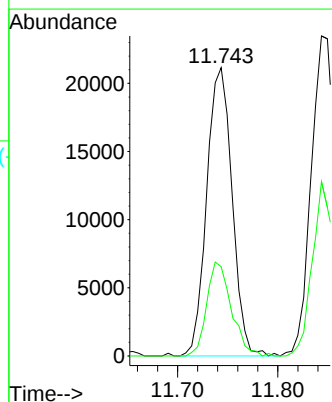
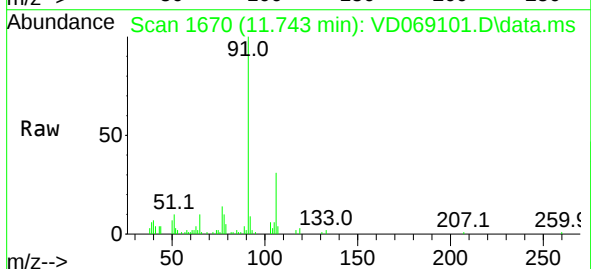
Instrument :
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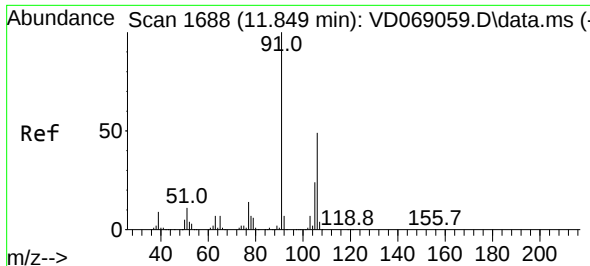
Tgt Ion:117 Resp: 296473
Ion Ratio Lower Upper
117 100
82 55.3 45.4 68.2
119 33.7 26.8 40.2



#67
Ethyl Benzene
Concen: 3.47 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

Tgt Ion: 91 Resp: 37245
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3

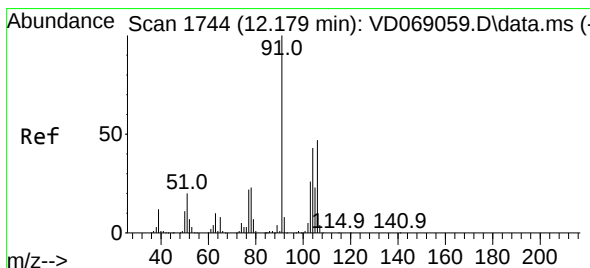
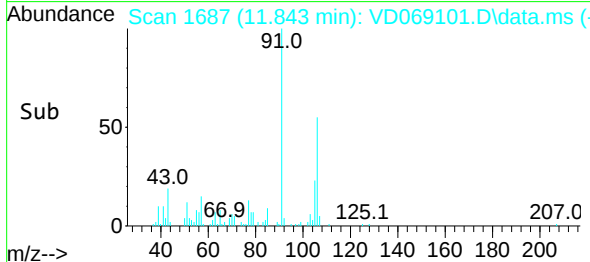
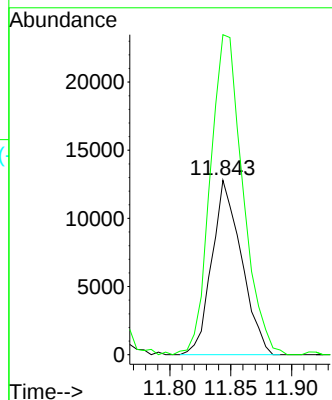
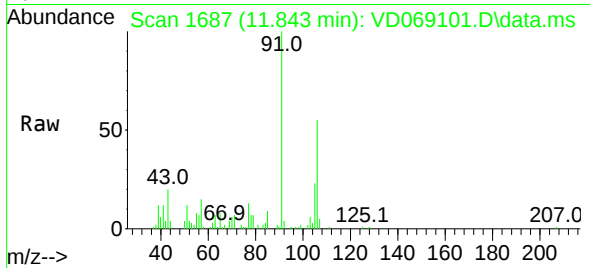




#68
m/p-Xylenes
Concen: 5.37 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

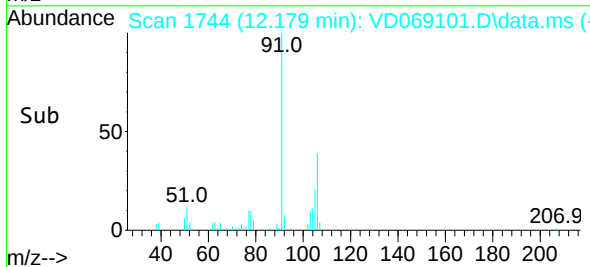
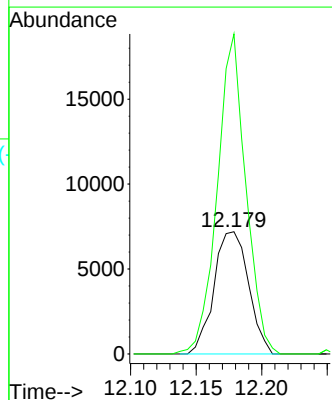
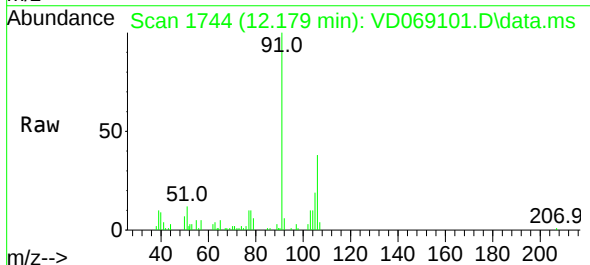
Instrument :
MSVOA_D
ClientSampleId :
CFOS-SOIL

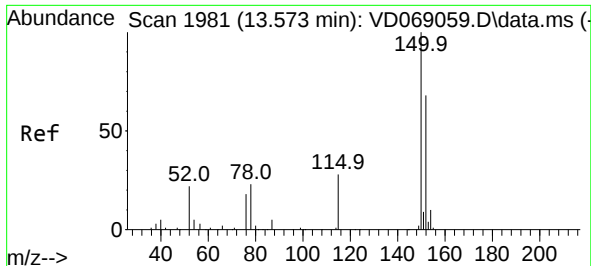
Tgt Ion:106 Resp: 21644
Ion Ratio Lower Upper
106 100
91 201.3 164.6 246.8



#69
o-Xylene
Concen: 3.65 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

Tgt Ion:106 Resp: 13206
Ion Ratio Lower Upper
106 100
91 215.9 107.1 321.4

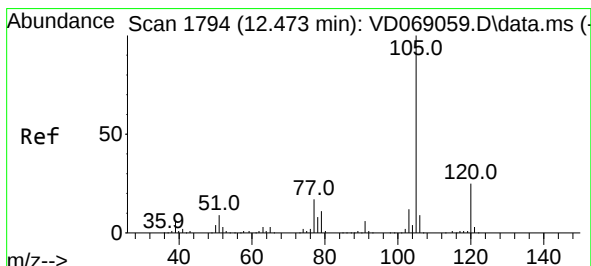
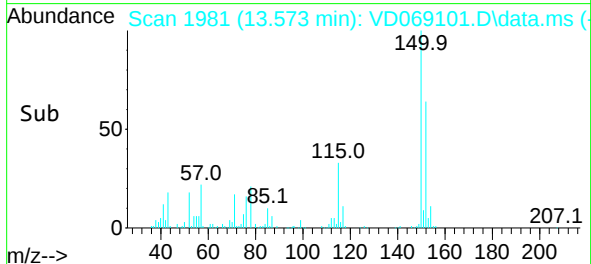
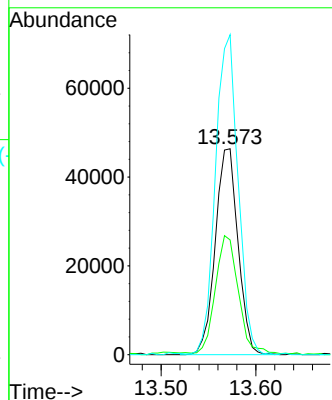
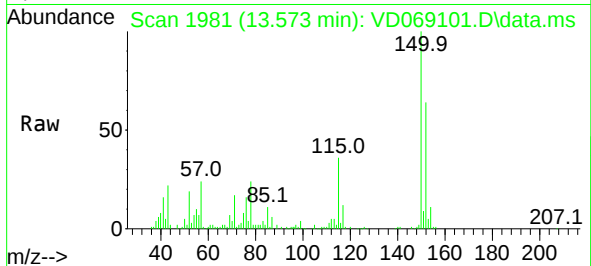




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

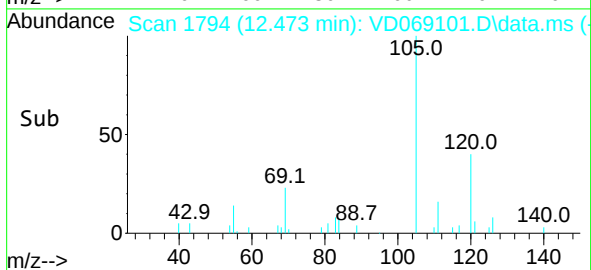
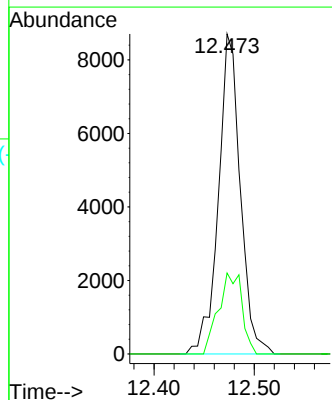
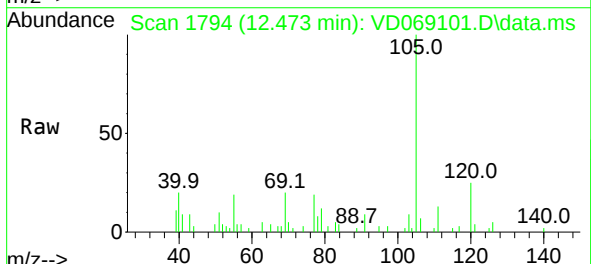
Instrument :
MSVOA_D
ClientSampled :
CFOS-SOIL

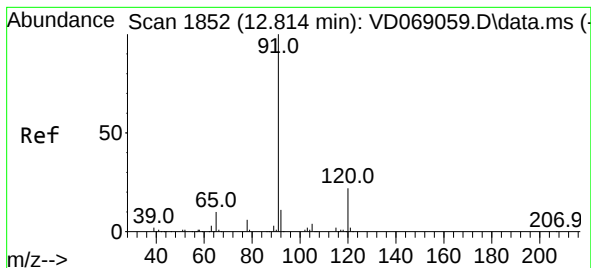
Tgt Ion:152 Resp: 77502
Ion Ratio Lower Upper
152 100
115 59.6 30.5 91.5
150 154.5 0.0 340.8



#73
Isopropylbenzene
Concen: 2.46 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

Tgt Ion:105 Resp: 13193
Ion Ratio Lower Upper
105 100
120 27.1 13.1 39.1

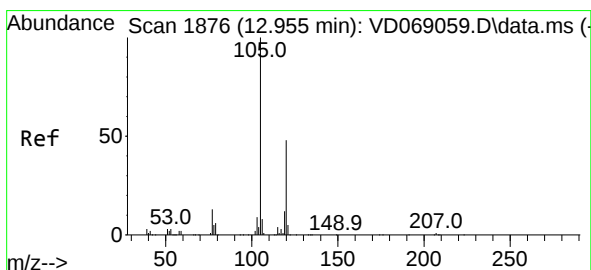
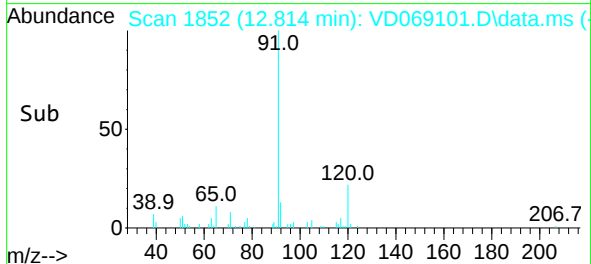
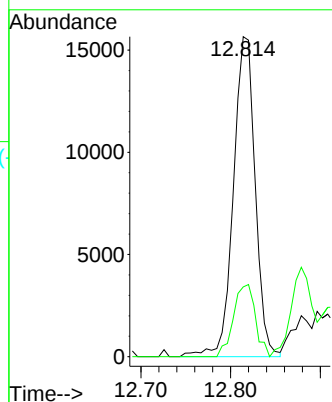
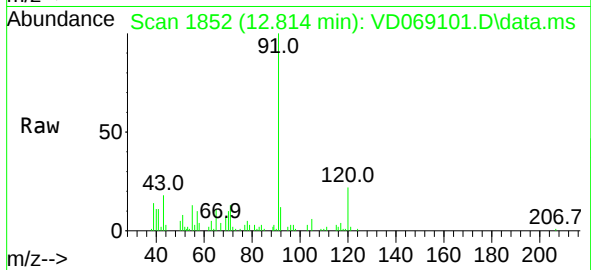




#78
n-propylbenzene
Concen: 4.02 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

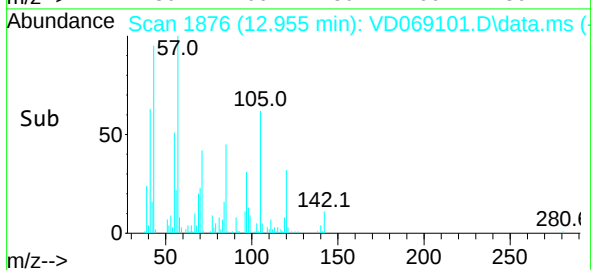
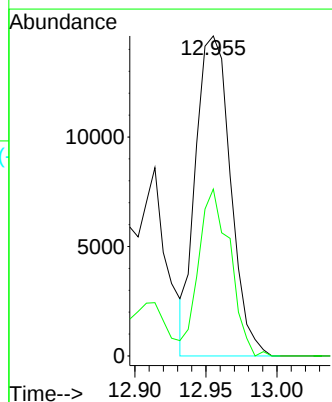
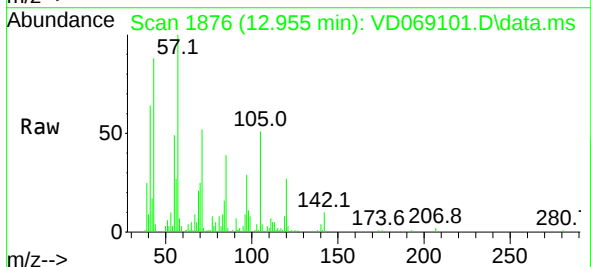
Instrument :
MSVOA_D
ClientSampleId :
CFOS-SOIL

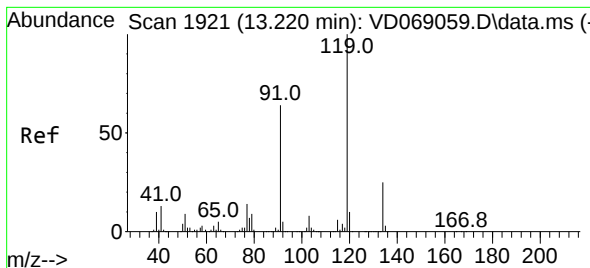
Tgt Ion: 91 Resp: 26468
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.8



#80
1,3,5-Trimethylbenzene
Concen: 5.45 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

Tgt Ion: 105 Resp: 24883
Ion Ratio Lower Upper
105 100
120 47.1 24.2 72.6

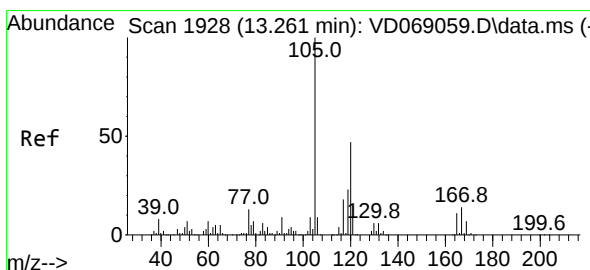
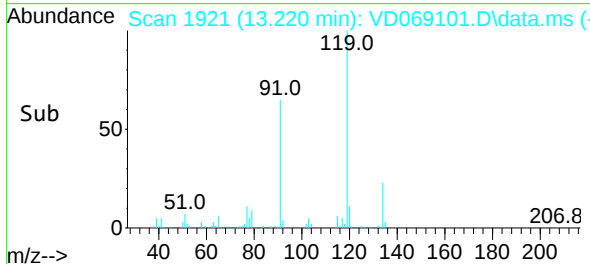
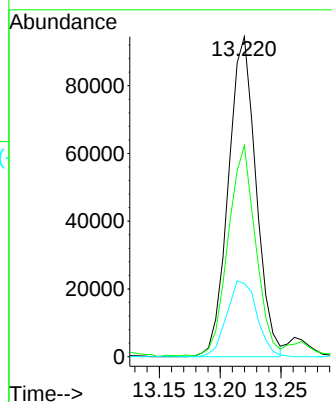
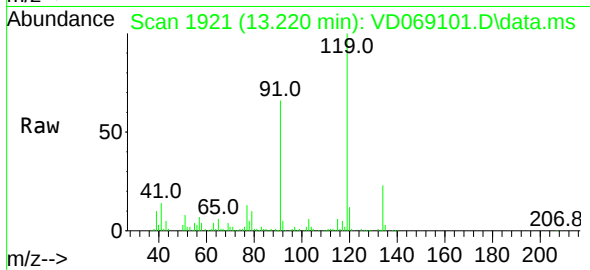




#83
tert-Butylbenzene
Concen: 40.17 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

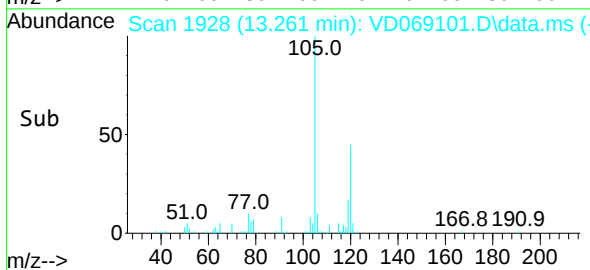
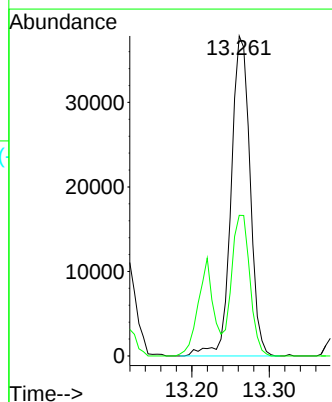
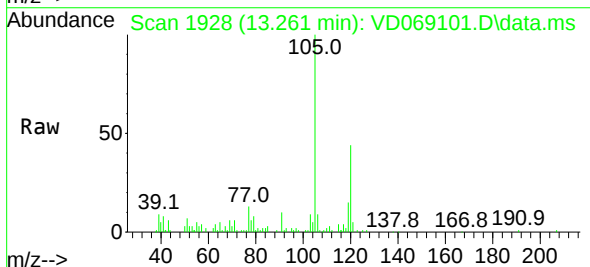
Instrument :
MSVOA_D
ClientSampleId :
CFOS-SOIL

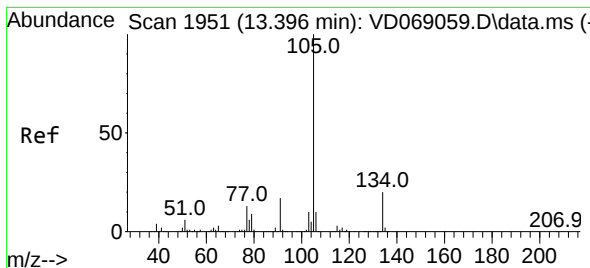
Tgt Ion:119 Resp: 149509
Ion Ratio Lower Upper
119 100
91 65.5 32.8 98.3
134 25.8 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 14.10 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

Tgt Ion:105 Resp: 64322
Ion Ratio Lower Upper
105 100
120 42.8 22.5 67.5

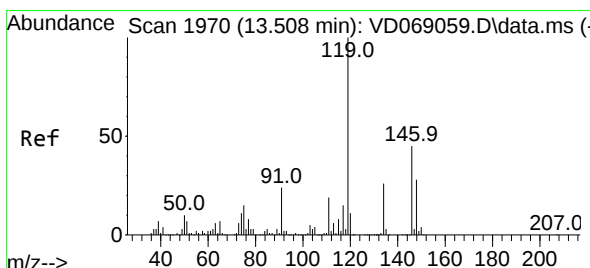
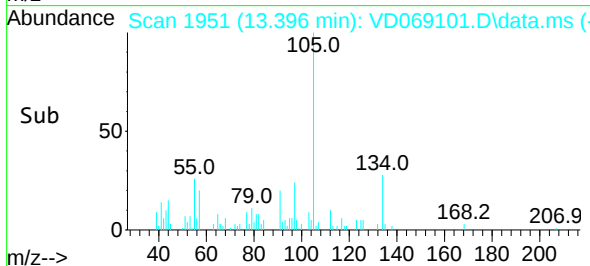
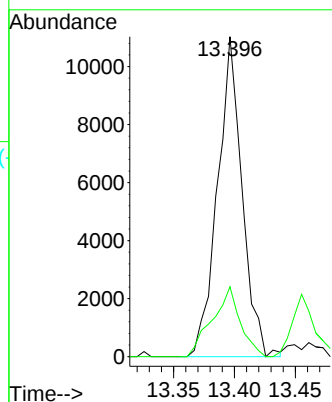
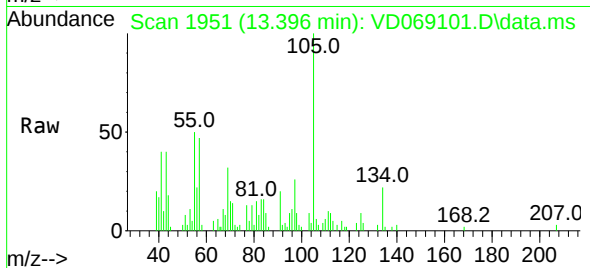




#85
 sec-Butylbenzene
 Concen: 2.88 ug/l
 RT: 13.396 min Scan# 1951
 Delta R.T. -0.000 min
 Lab File: VD069101.D
 Acq: 07 May 2021 14:25

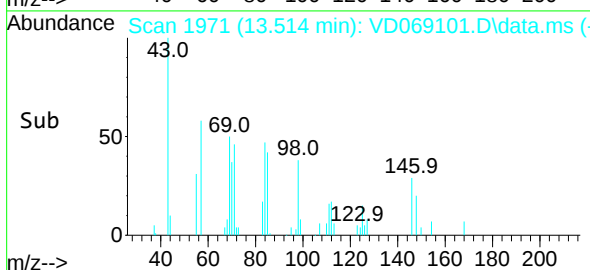
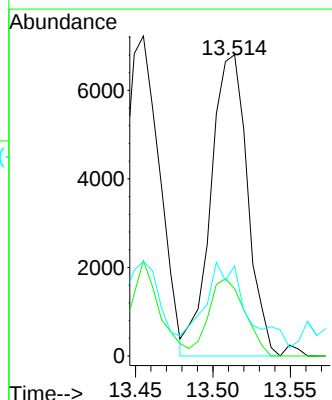
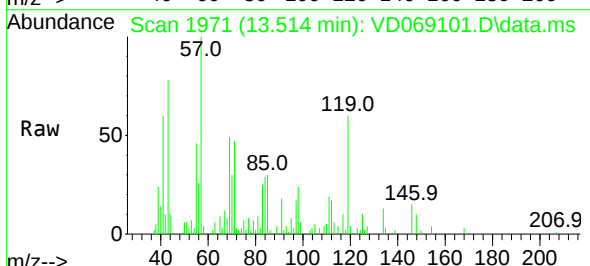
Instrument :
 MSVOA_D
 ClientSampleId :
 CFOS-SOIL

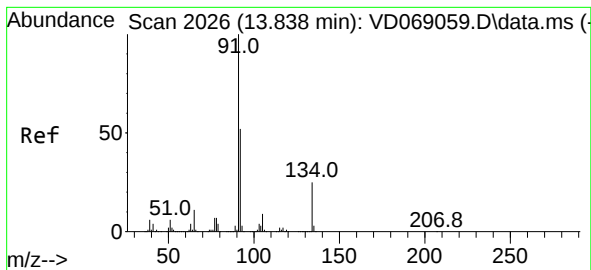
Tgt Ion:105 Resp: 15510
 Ion Ratio Lower Upper
 105 100
 134 24.8 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 2.25 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. 0.006 min
 Lab File: VD069101.D
 Acq: 07 May 2021 14:25

Tgt Ion:119 Resp: 11181
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.9 38.7
 91 31.7 12.3 36.9





#89
n-Butylbenzene
Concen: 5.88 ug/l
RT: 13.837 min Scan# 2026
Delta R.T. -0.000 min
Lab File: VD069101.D
Acq: 07 May 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
CFOS-SOIL

Tgt Ion: 91 Resp: 27758
Ion Ratio Lower Upper
91 100
92 37.3 26.2 78.5
134 0.0 12.1 36.3#

