

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051021\
 Data File : VD069121.D
 Acq On : 10 May 2021 14:20
 Operator : VA/SY
 Sample : M2330-01RE
 Misc : 6.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CFOS-SOILRE

Quant Time: May 10 16:11:38 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	192813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	401587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	293815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	57497	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	141675	57.01	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.02%
35) Dibromofluoromethane	7.914	113	141982	51.56	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.12%
50) Toluene-d8	10.338	98	430354	42.33	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.66%
62) 4-Bromofluorobenzene	12.626	95	97770	29.24	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	58.48%

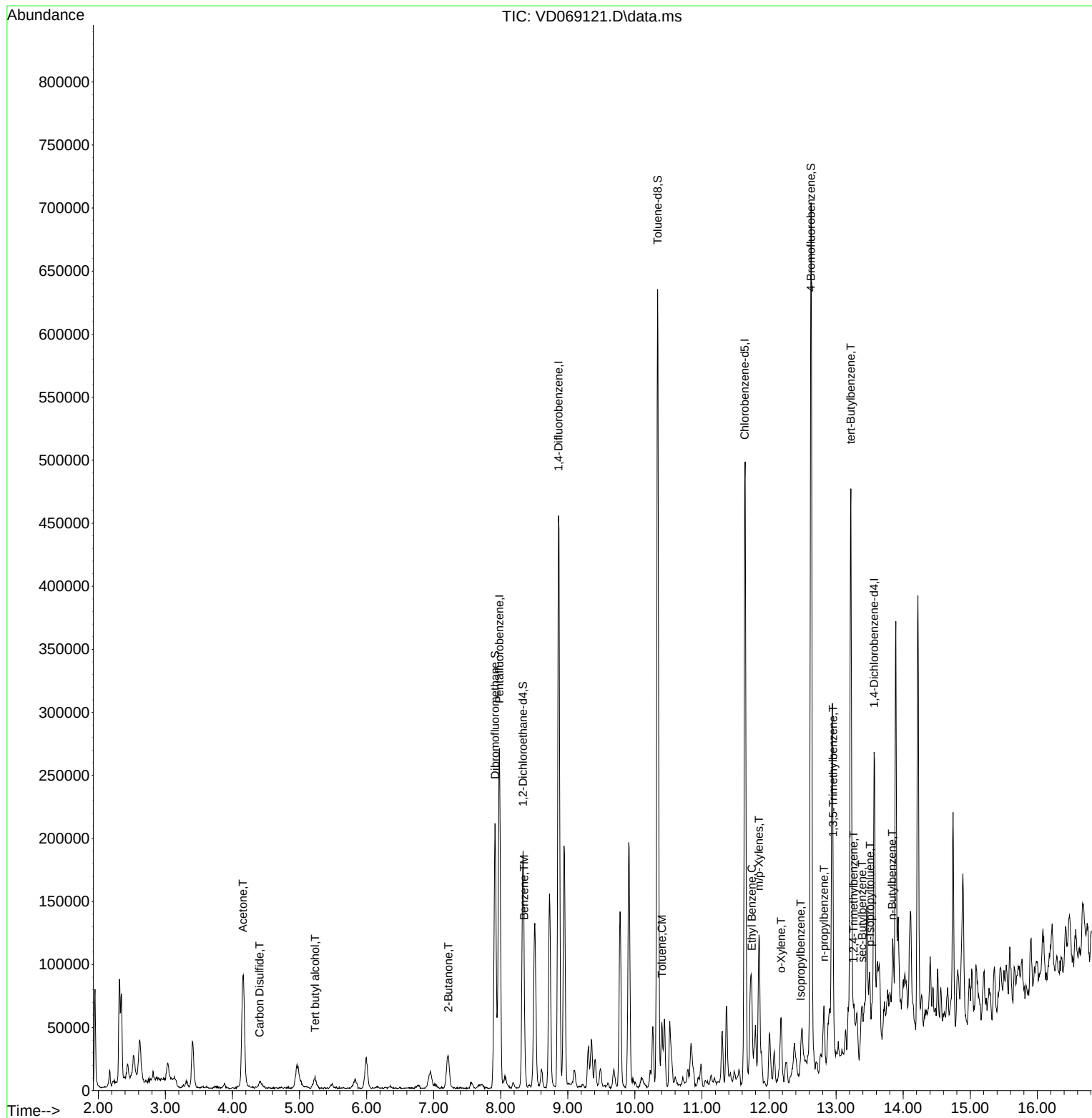
Target Compounds						Qvalue
11) Tert butyl alcohol	5.232	59	13989	39.74	ug/l #	95
16) Acetone	4.156	43	158381	476.29	ug/l	97
17) Carbon Disulfide	4.403	76	9866	1.44	ug/l #	78
25) 2-Butanone	7.220	43	31787	59.84	ug/l	99
40) Benzene	8.350	78	18113	1.55	ug/l	100
52) Toluene	10.402	92	20805	2.80	ug/l	98
67) Ethyl Benzene	11.744	91	40083	3.77	ug/l	95
68) m/p-Xylenes	11.849	106	21374	5.35	ug/l	88
69) o-Xylene	12.179	106	12591	3.51	ug/l	91
73) Isopropylbenzene	12.473	105	12499	3.14	ug/l	91
78) n-propylbenzene	12.820	91	25825	5.28	ug/l	95
80) 1,3,5-Trimethylbenzene	12.955	105	9674	2.86	ug/l	93
83) tert-Butylbenzene	13.220	119	207068	75.00	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	24725	7.30	ug/l	95
85) sec-Butylbenzene	13.391	105	11041	2.76	ug/l	96
86) p-Isopropyltoluene	13.508	119	5442	1.48	ug/l #	75
89) n-Butylbenzene	13.838	91	14745	4.21	ug/l	96

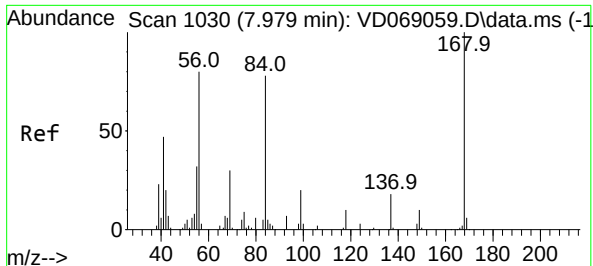
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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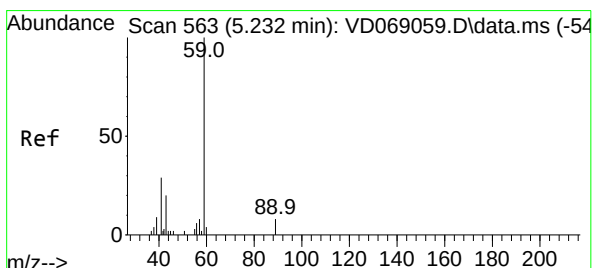
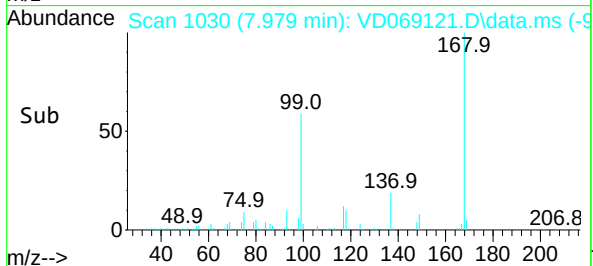
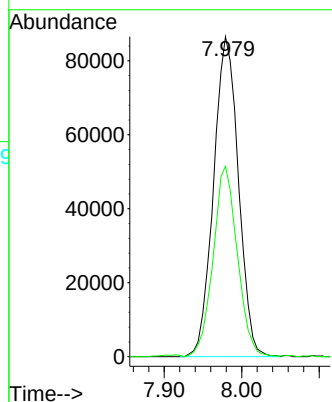
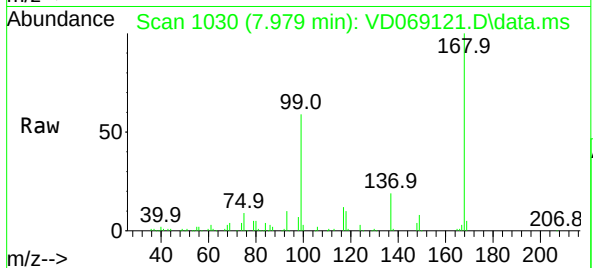




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

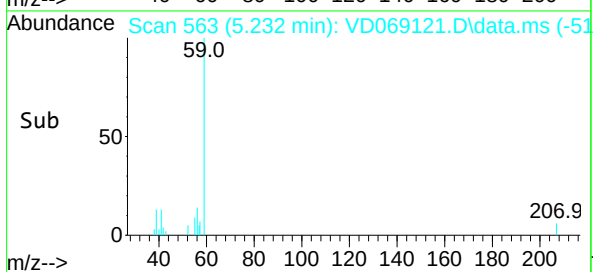
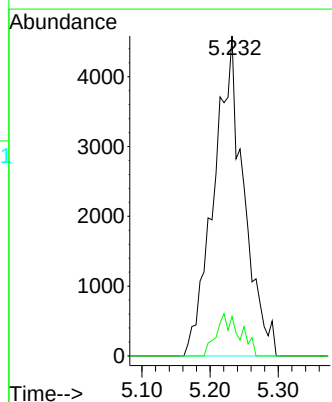
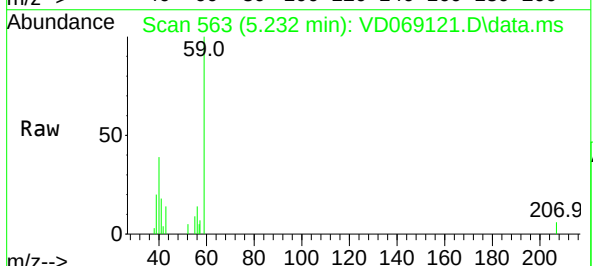
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MSVOA_D
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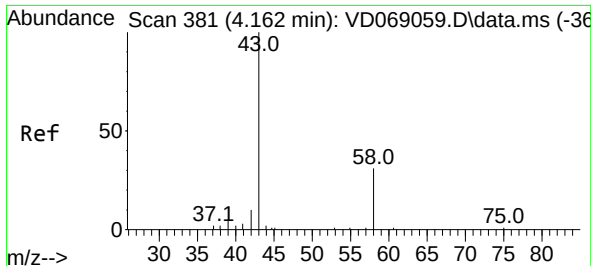
Tgt Ion:168 Resp: 192813
Ion Ratio Lower Upper
168 100
99 59.3 52.6 78.8



#11
Tert butyl alcohol
Concen: 39.74 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

Tgt Ion: 59 Resp: 13989
Ion Ratio Lower Upper
59 100
57 8.2 5.3 7.9#

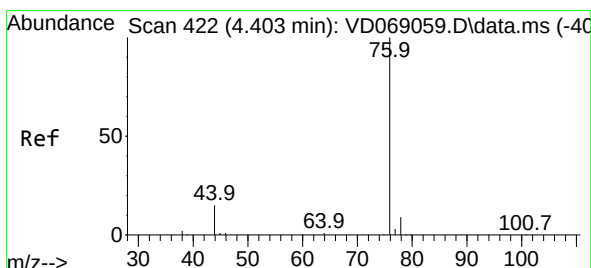
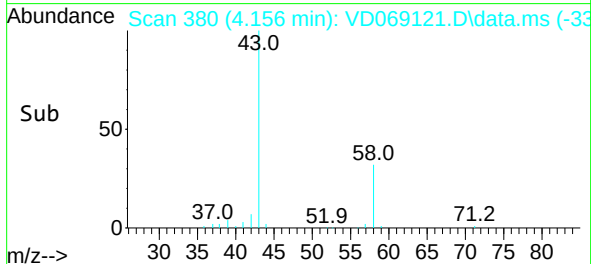
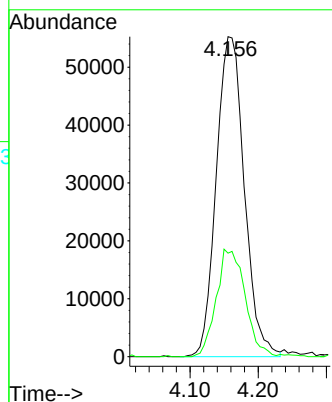
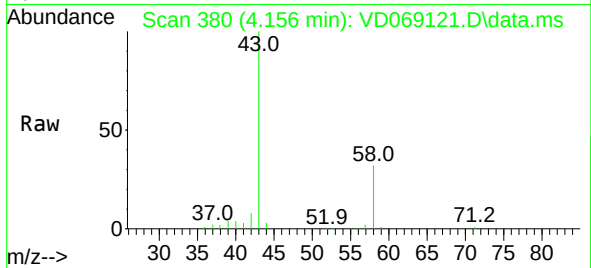




#16
Acetone
Concen: 476.29 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

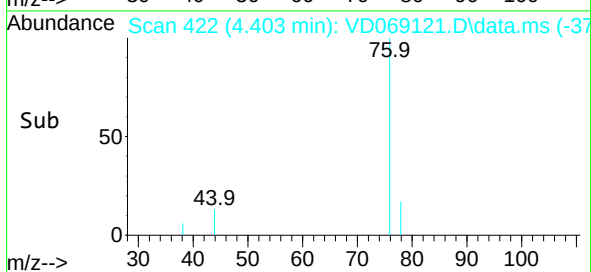
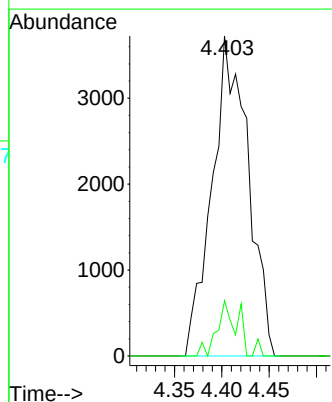
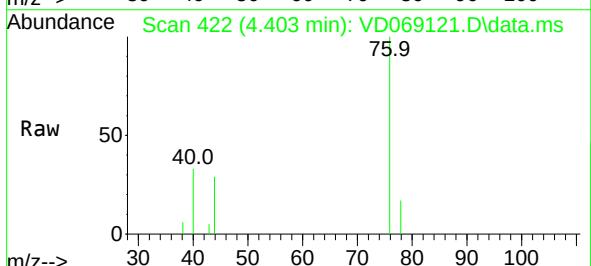
Instrument :
MSVOA_D
ClientSampleId :
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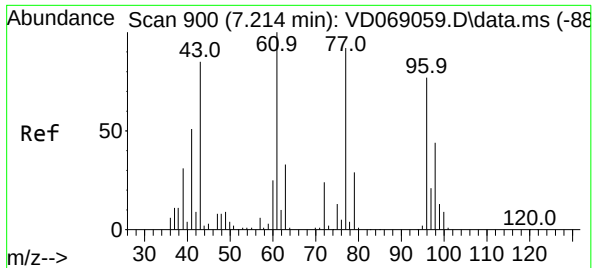
Tgt Ion: 43 Resp: 158381
Ion Ratio Lower Upper
43 100
58 32.3 24.5 36.7



#17
Carbon Disulfide
Concen: 1.44 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

Tgt Ion: 76 Resp: 9866
Ion Ratio Lower Upper
76 100
78 17.3 7.4 11.2#

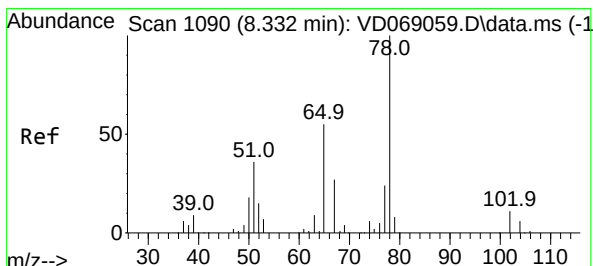
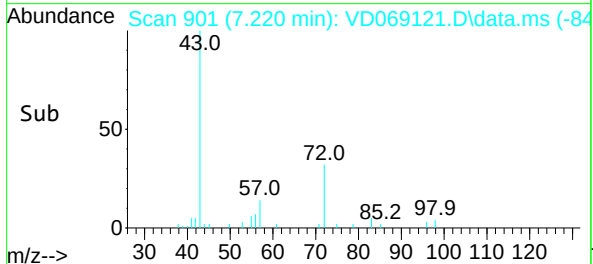
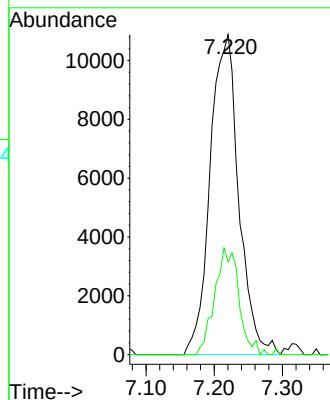
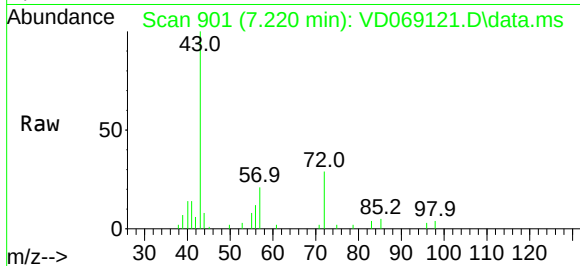




#25
2-Butanone
Concen: 59.84 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

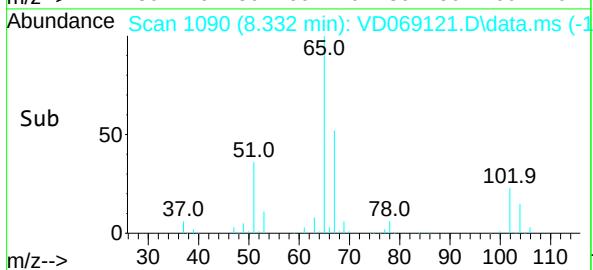
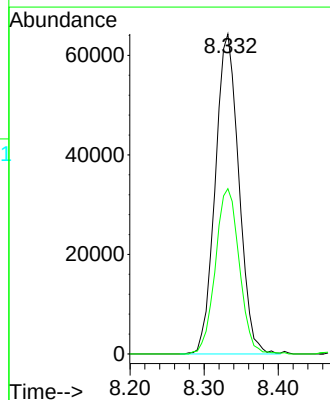
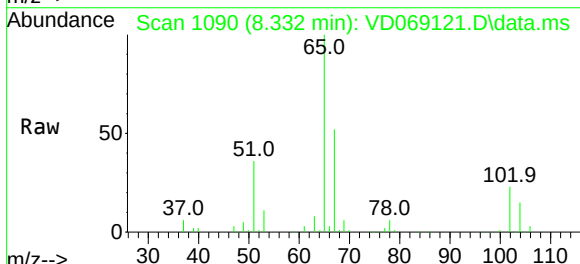
Instrument :
MSVOA_D
ClientSampleId :
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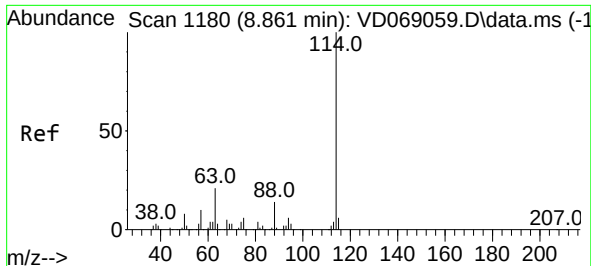
Tgt Ion: 43 Resp: 31787
Ion Ratio Lower Upper
43 100
72 29.1 23.0 34.4



#33
1,2-Dichloroethane-d4
Concen: 57.01 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

Tgt Ion: 65 Resp: 141675
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4

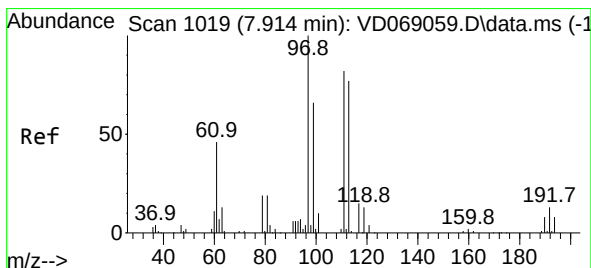
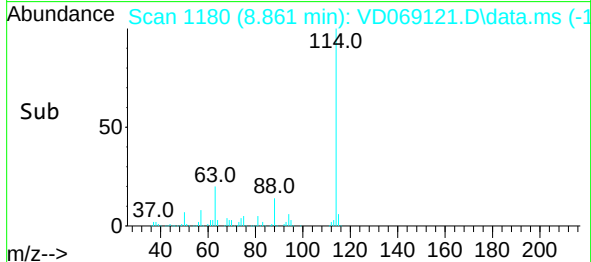
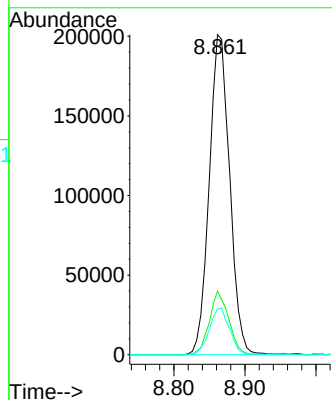
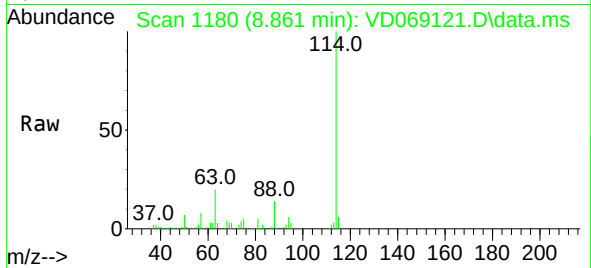




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

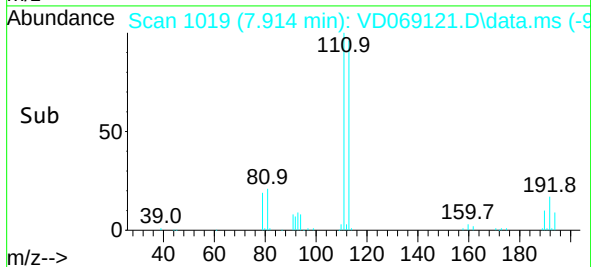
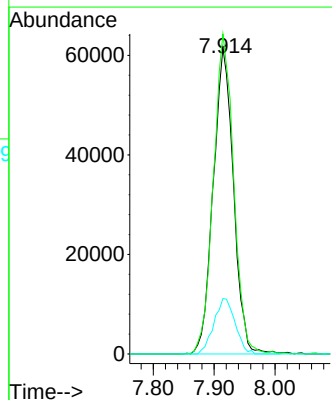
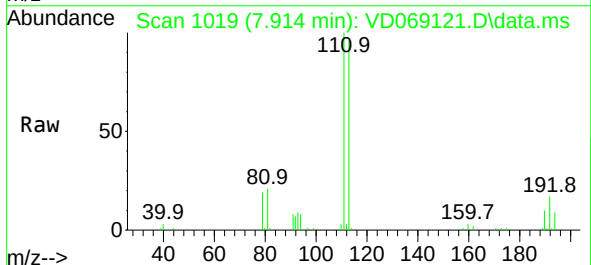
Instrument :
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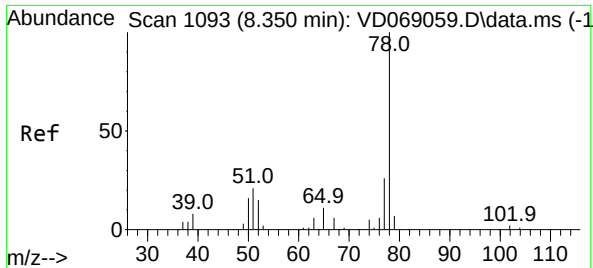
Tgt Ion:	114	Resp:	401587
Ion Ratio	Lower	Upper	
114	100		
63	19.9	0.0	41.4
88	14.2	0.0	27.8



#35
Dibromofluoromethane
Concen: 51.56 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

Tgt Ion:	113	Resp:	141982
Ion Ratio	Lower	Upper	
113	100		
111	104.8	84.6	126.8
192	18.9	13.5	20.3

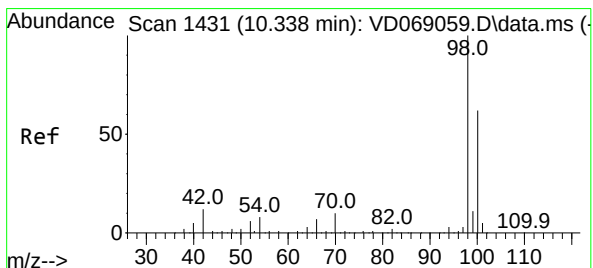
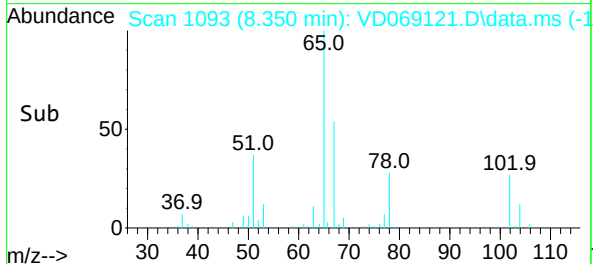
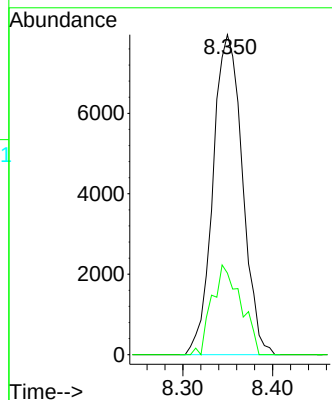
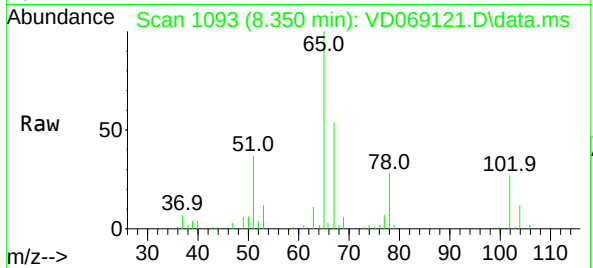




#40
Benzene
Concen: 1.55 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

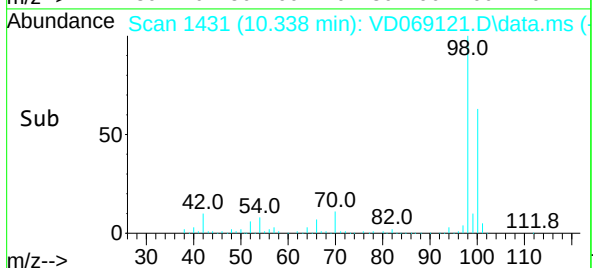
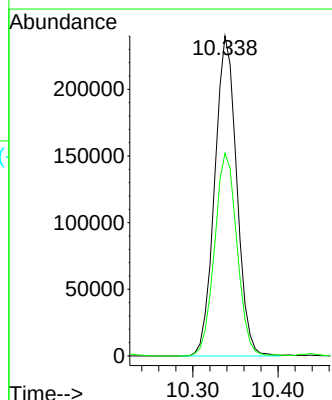
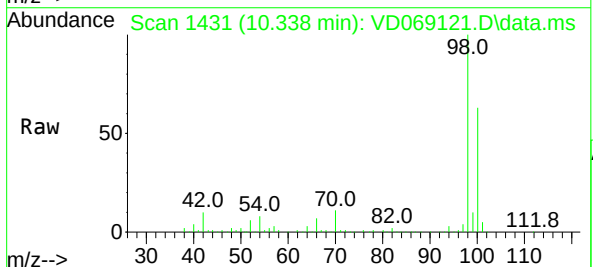
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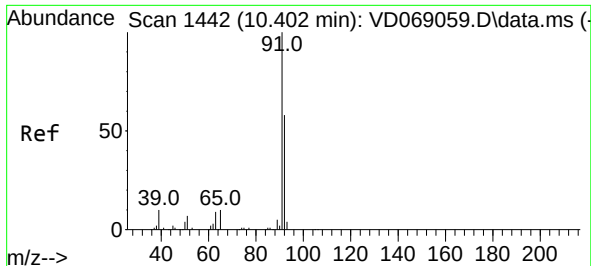
Tgt Ion: 78 Resp: 18113
Ion Ratio Lower Upper
78 100
77 25.5 20.5 30.7



#50
Toluene-d8
Concen: 42.33 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

Tgt Ion: 98 Resp: 430354
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4

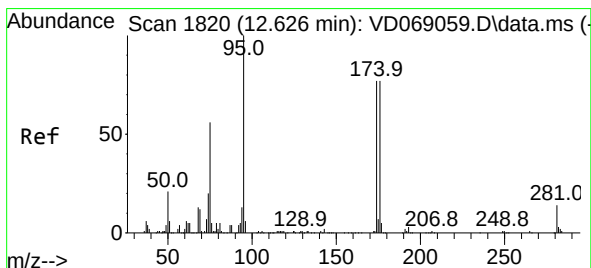
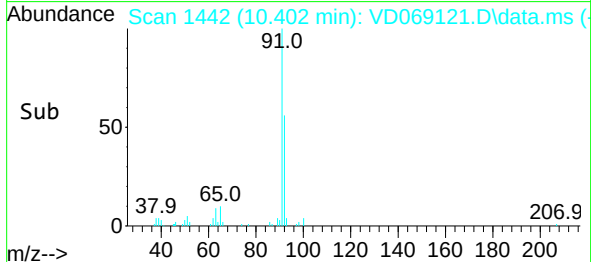
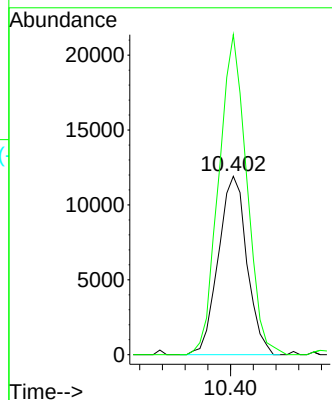
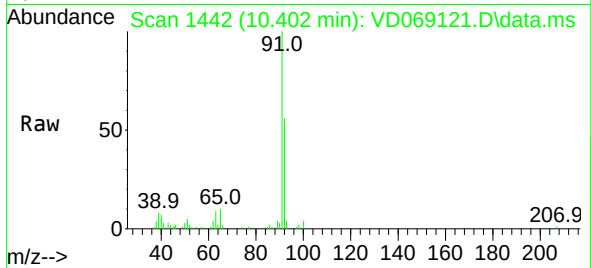




#52
Toluene
Concen: 2.80 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

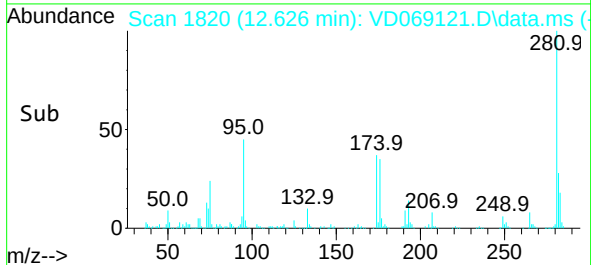
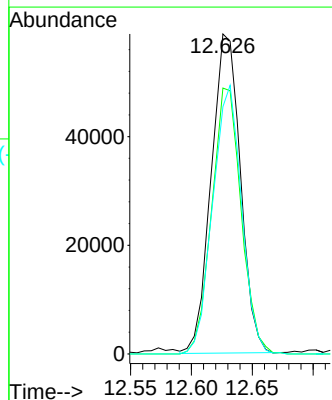
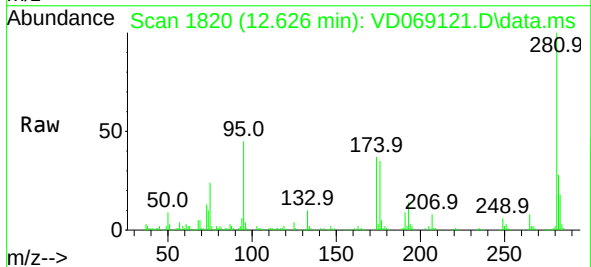
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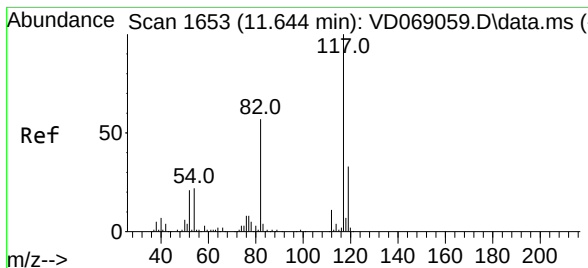
Tgt Ion: 92 Resp: 20805
Ion Ratio Lower Upper
92 100
91 175.7 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 29.24 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

Tgt Ion: 95 Resp: 97770
Ion Ratio Lower Upper
95 100
174 84.2 0.0 156.0
176 83.4 0.0 149.4

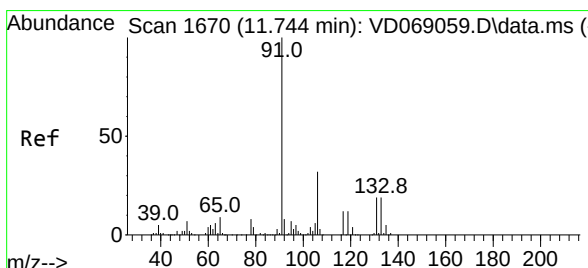
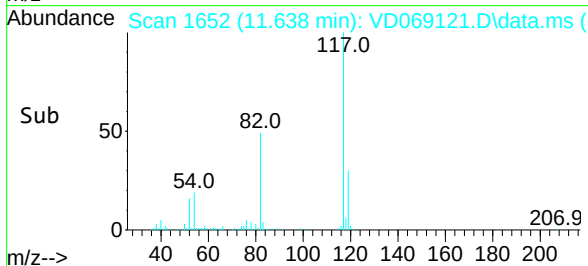
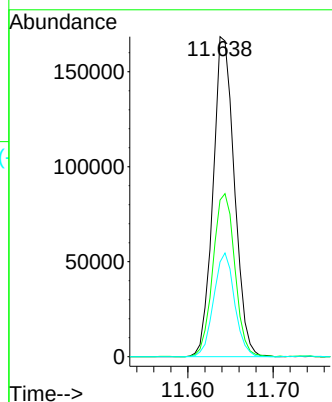
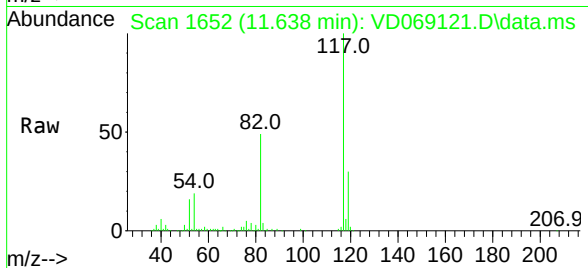




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

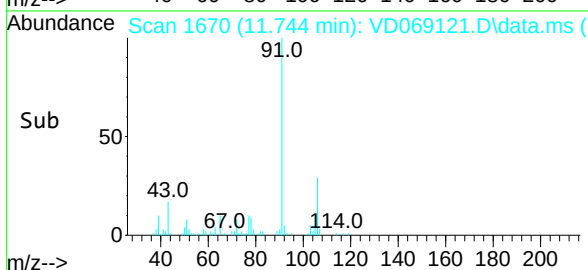
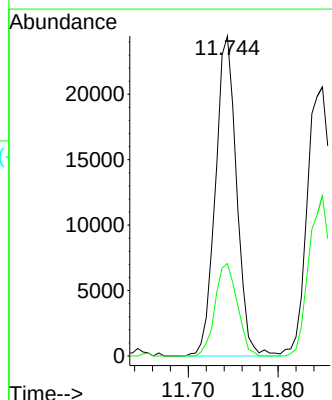
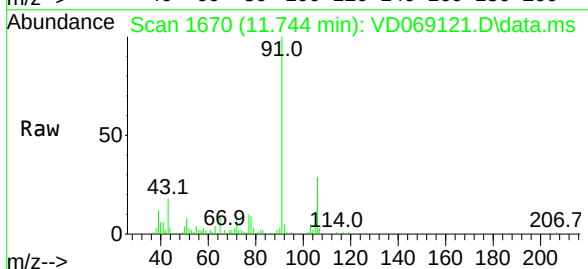
Instrument :
MSVOA_D
ClientSampleId :
CFOS-SOILRE

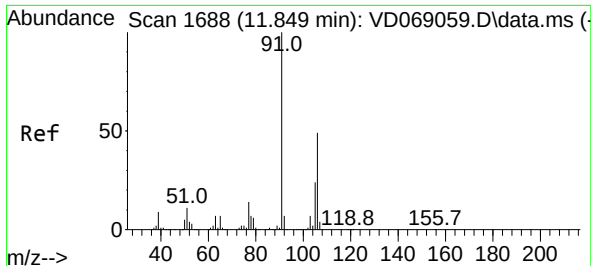
Tgt Ion:117 Resp: 293815
Ion Ratio Lower Upper
117 100
82 49.0 45.4 68.2
119 29.6 26.8 40.2



#67
Ethyl Benzene
Concen: 3.77 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

Tgt Ion: 91 Resp: 40083
Ion Ratio Lower Upper
91 100
106 28.9 25.5 38.3

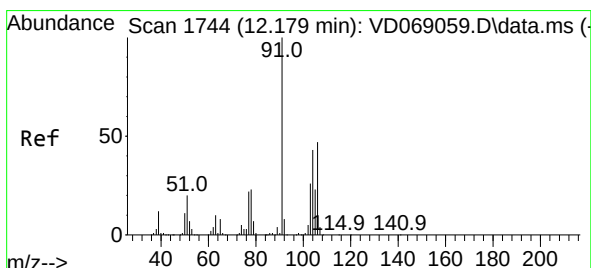
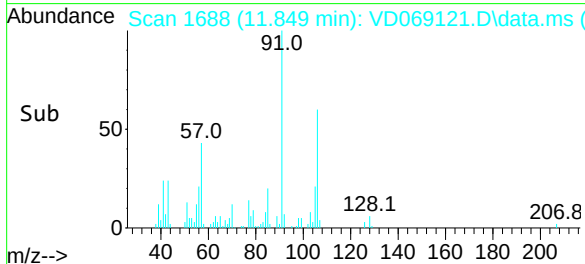
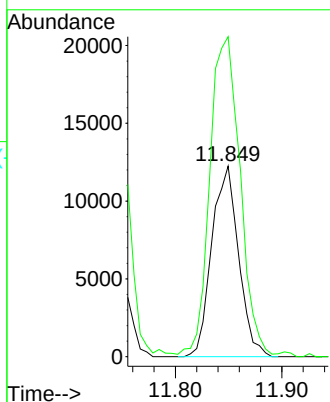
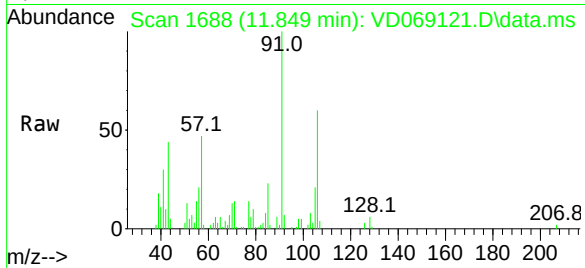




#68
m/p-Xylenes
Concen: 5.35 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

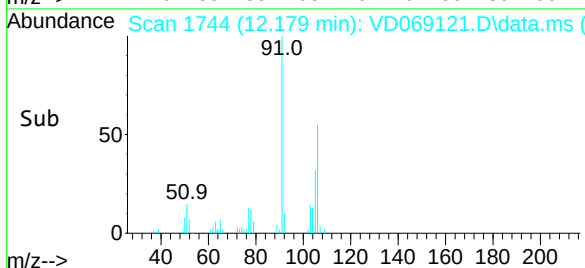
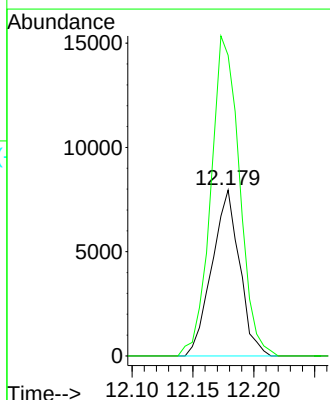
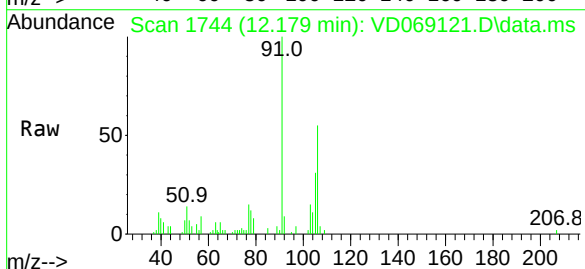
Instrument :
MSVOA_D
ClientSampleId :
CFOS-SOILRE

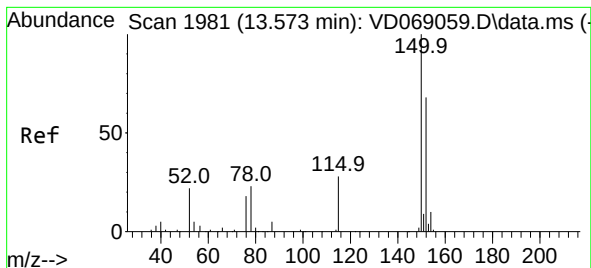
Tgt Ion:106 Resp: 21374
Ion Ratio Lower Upper
106 100
91 186.5 164.6 246.8



#69
o-Xylene
Concen: 3.51 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

Tgt Ion:106 Resp: 12591
Ion Ratio Lower Upper
106 100
91 199.3 107.1 321.4

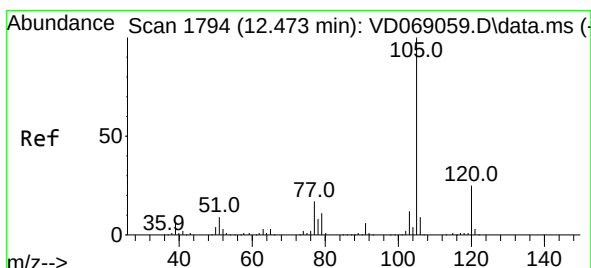
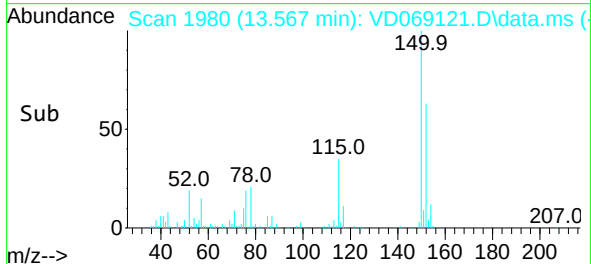
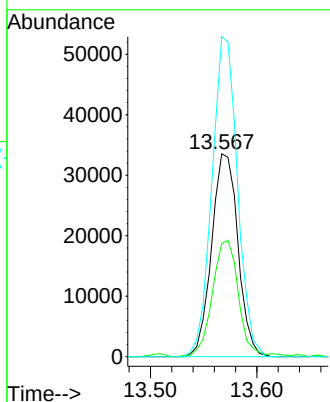
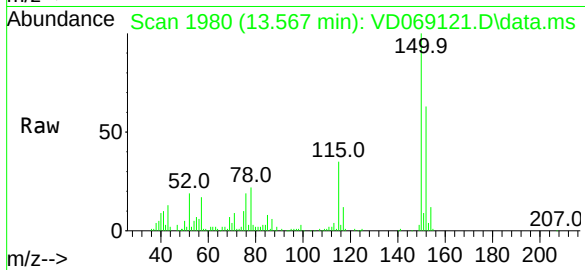




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

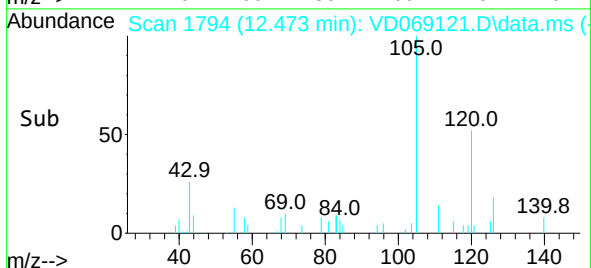
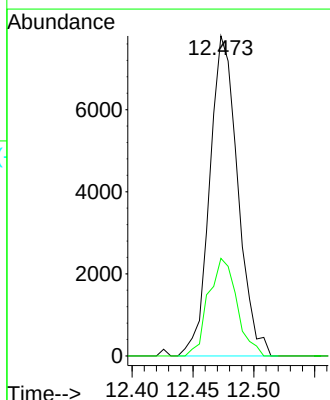
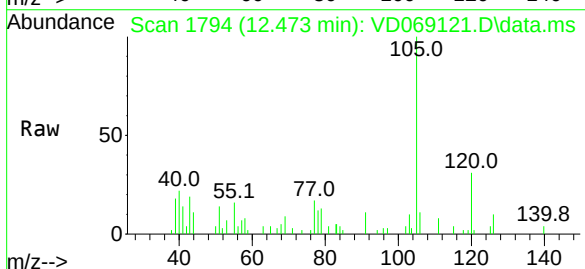
Instrument :
MSVOA_D
ClientSampleId :
CFOS-SOILRE

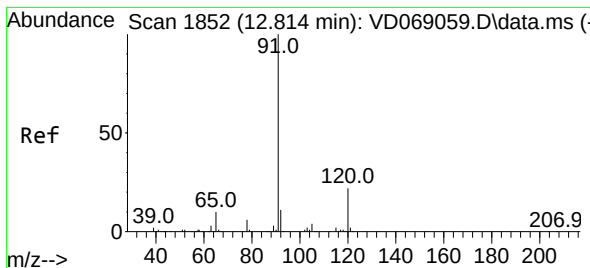
Tgt Ion:152 Resp: 57497
Ion Ratio Lower Upper
152 100
115 57.7 30.5 91.5
150 153.1 0.0 340.8



#73
Isopropylbenzene
Concen: 3.14 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

Tgt Ion:105 Resp: 12499
Ion Ratio Lower Upper
105 100
120 30.9 13.1 39.1





#78

n-propylbenzene

Concen: 5.28 ug/l

RT: 12.820 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VD069121.D

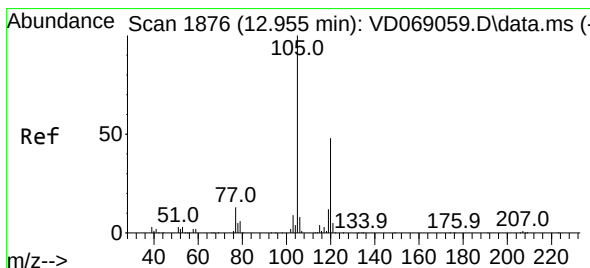
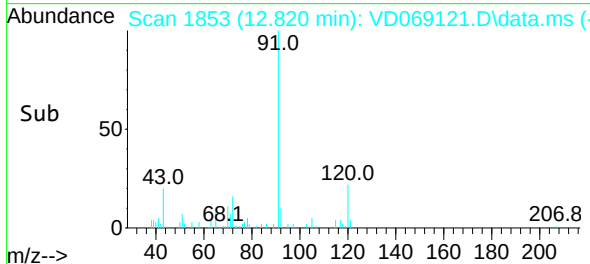
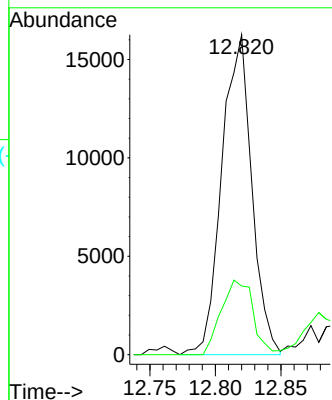
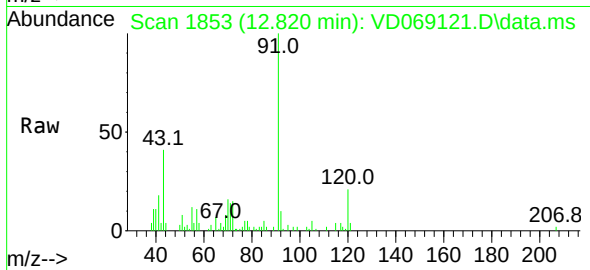
Acq: 10 May 2021 14:20

Tgt Ion: 91 Resp: 25825

Ion Ratio Lower Upper

91 100

120 24.9 11.3 33.8



#80

1,3,5-Trimethylbenzene

Concen: 2.86 ug/l

RT: 12.955 min Scan# 1876

Delta R.T. -0.000 min

Lab File: VD069121.D

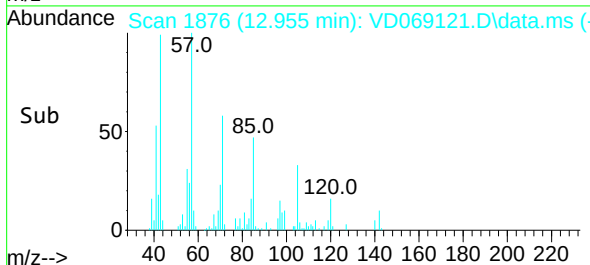
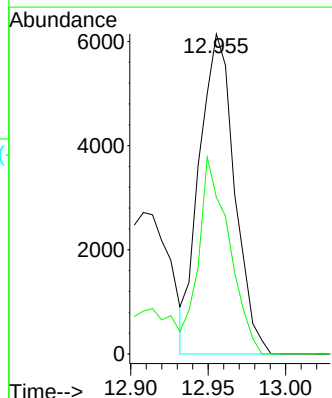
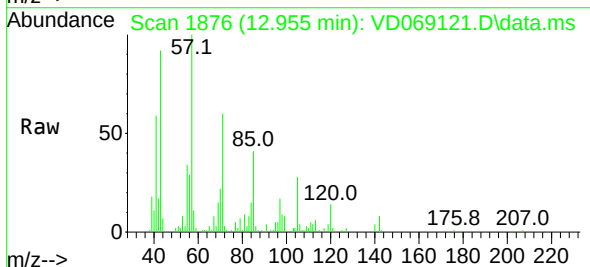
Acq: 10 May 2021 14:20

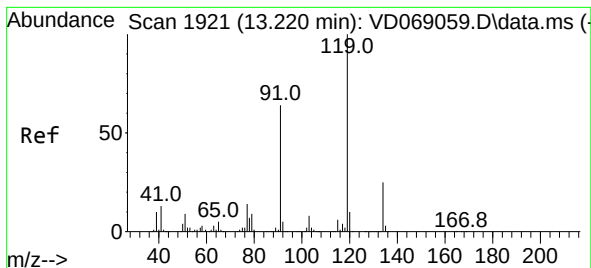
Tgt Ion:105 Resp: 9674

Ion Ratio Lower Upper

105 100

120 53.3 24.2 72.6

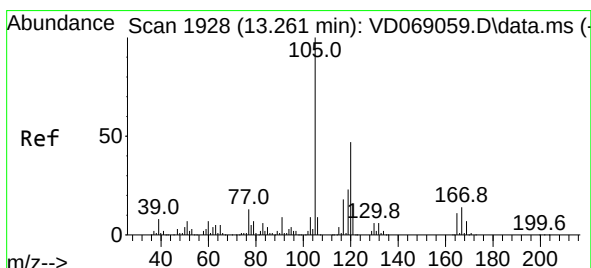
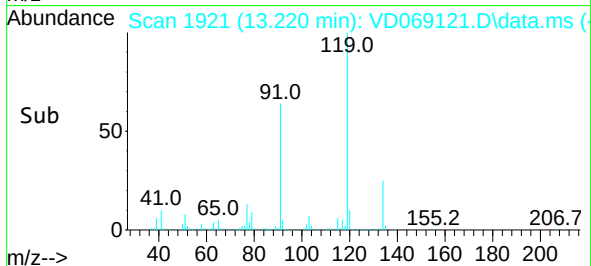
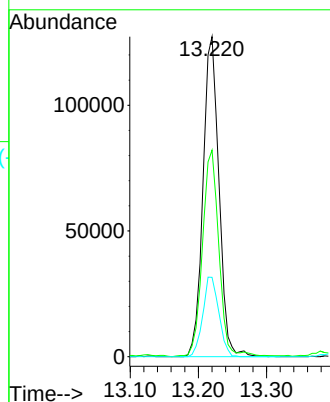
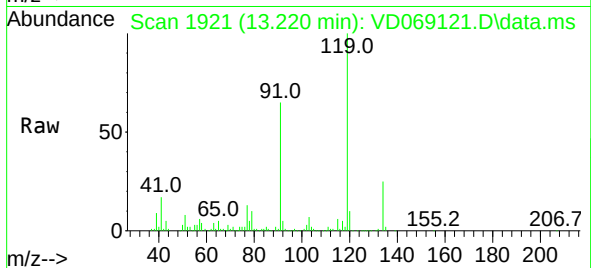




#83
tert-Butylbenzene
Concen: 75.00 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

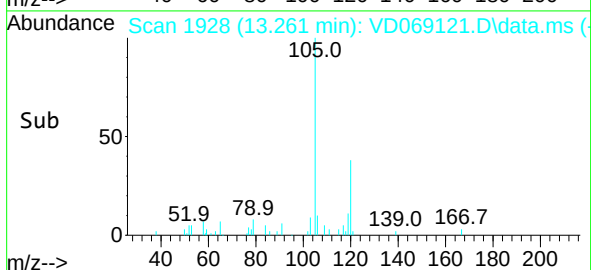
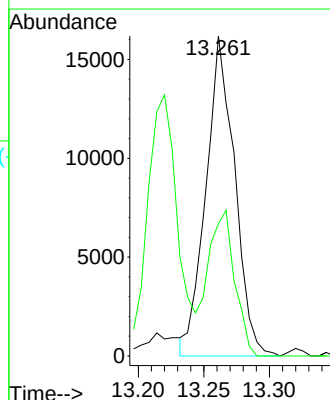
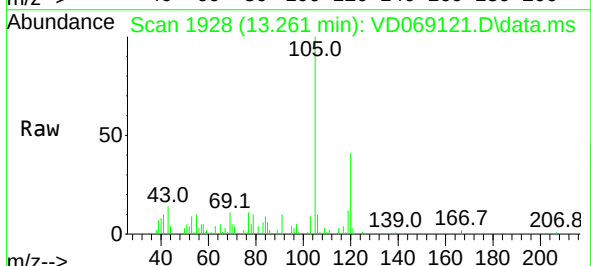
Instrument :
MSVOA_D
ClientSampleId :
CFOS-SOILRE

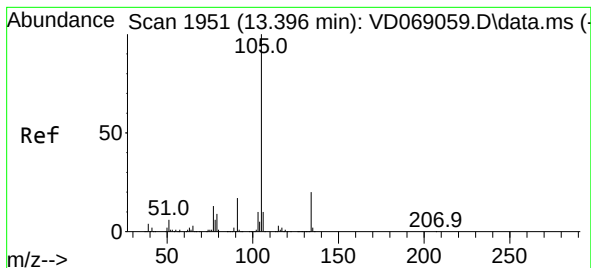
Tgt Ion:119 Resp: 207068
Ion Ratio Lower Upper
119 100
91 66.9 32.8 98.3
134 25.0 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 7.30 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD069121.D
Acq: 10 May 2021 14:20

Tgt Ion:105 Resp: 24725
Ion Ratio Lower Upper
105 100
120 41.9 22.5 67.5

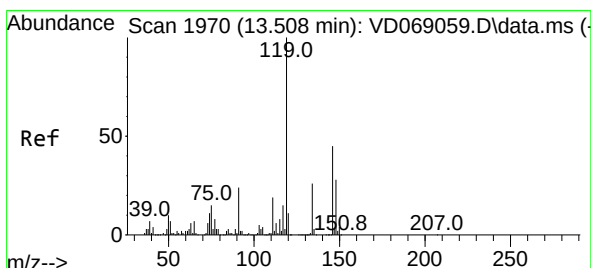
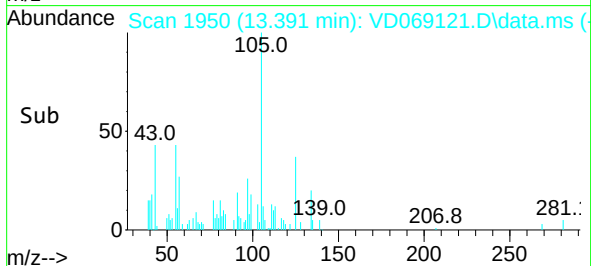
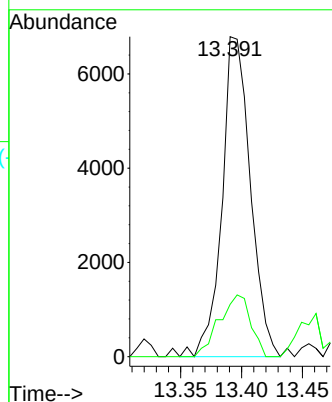
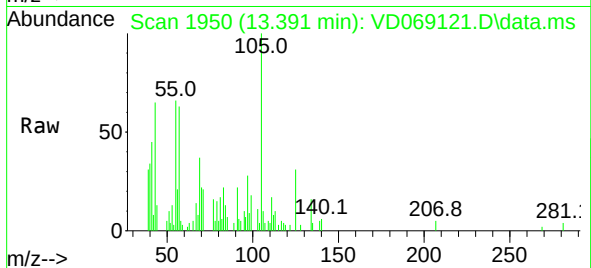




#85
 sec-Butylbenzene
 Concen: 2.76 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. -0.006 min
 Lab File: VD069121.D
 Acq: 10 May 2021 14:20

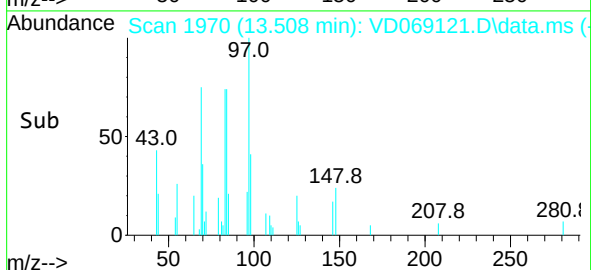
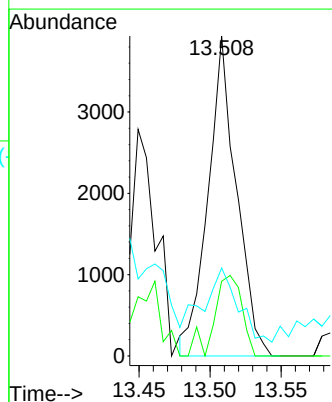
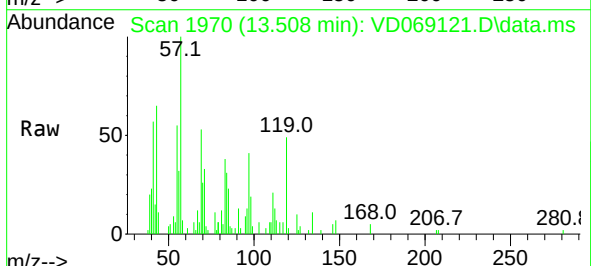
Instrument :
 MSVOA_D
 ClientSampleId :
 CFOS-SOILRE

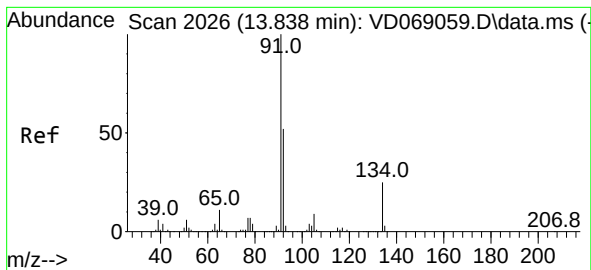
Tgt Ion:105 Resp: 11041
 Ion Ratio Lower Upper
 105 100
 134 21.3 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 1.48 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.000 min
 Lab File: VD069121.D
 Acq: 10 May 2021 14:20

Tgt Ion:119 Resp: 5442
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.9 38.7
 91 0.0 12.3 36.9#





#89

n-Butylbenzene

Concen: 4.21 ug/l

RT: 13.838 min Scan# 2026

Delta R.T. -0.000 min

Lab File: VD069121.D

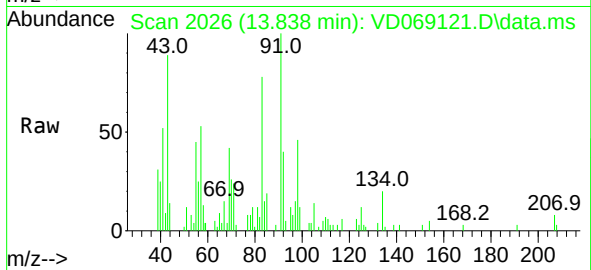
Acq: 10 May 2021 14:20

Instrument :

MSVOA_D

ClientSampleId :

CFOS-SOILRE



Tgt Ion:	91	Resp:	14745
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	19.2	12.1	36.3

