

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080221\
 Data File : VD069948.D
 Acq On : 02 Aug 2021 11:23
 Operator : VA/SY
 Sample : M3229-01RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOLID-A-ERE

Quant Time: Aug 03 02:55:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

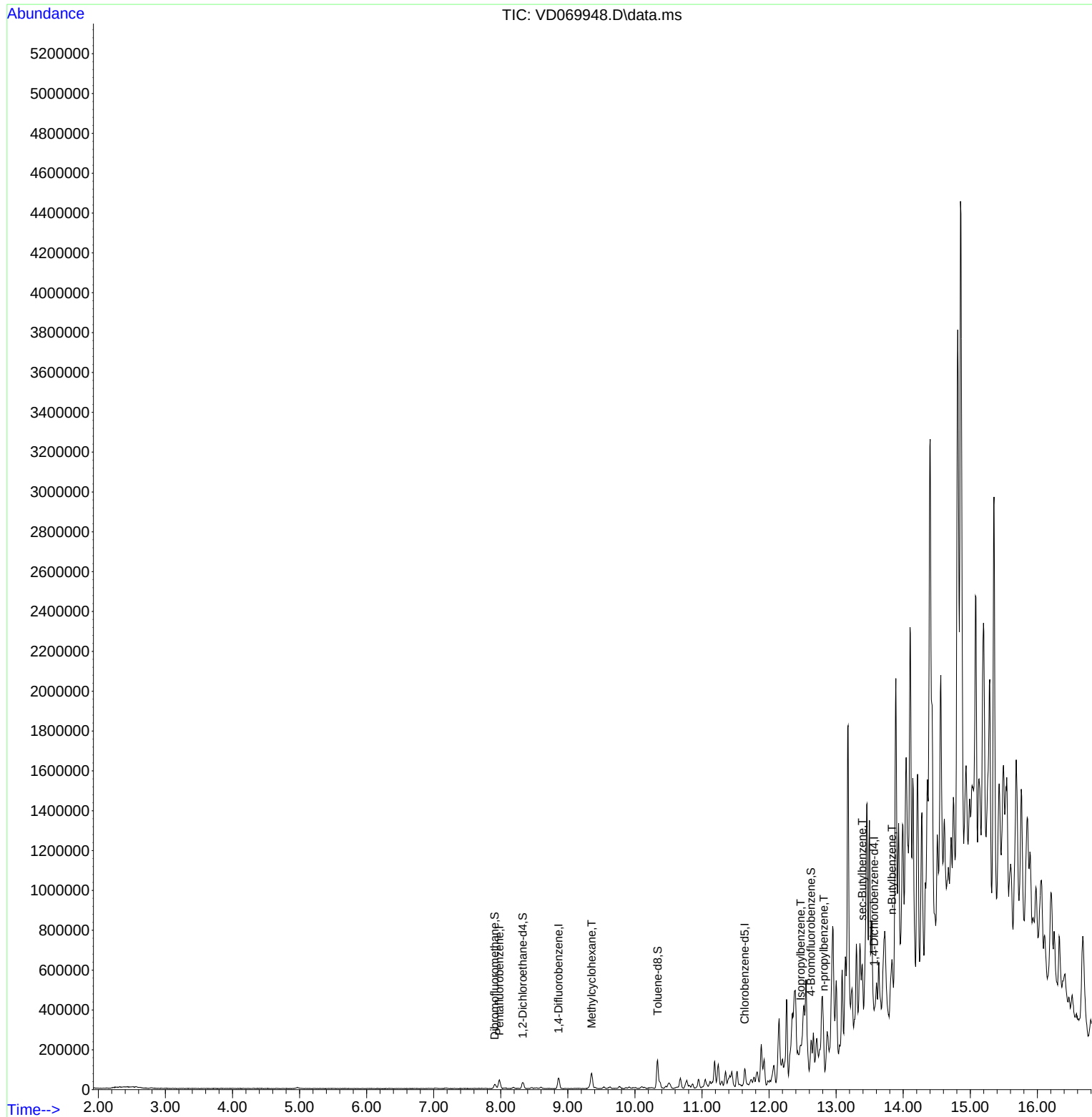
Internal Standards						
1) Pentafluorobenzene	7.979	168	25625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	46154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	51346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	25280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	24144	81.924	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 163.840%#	
35) Dibromofluoromethane	7.908	113	16116	55.390	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.780%	
50) Toluene-d8	10.338	98	59108	52.685	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.380%	
62) 4-Bromofluorobenzene	12.626	95	31807	84.831	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 169.660%#	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.355	83	25589	44.859	ug/l	92
73) Isopropylbenzene	12.473	105	42224	23.246	ug/l	97
78) n-propylbenzene	12.814	91	110277	47.270	ug/l	98
85) sec-Butylbenzene	13.390	105	106212	53.182	ug/l #	76
89) n-Butylbenzene	13.832	91	134452	83.967	ug/l #	86

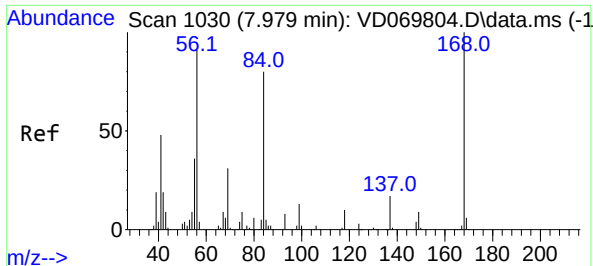
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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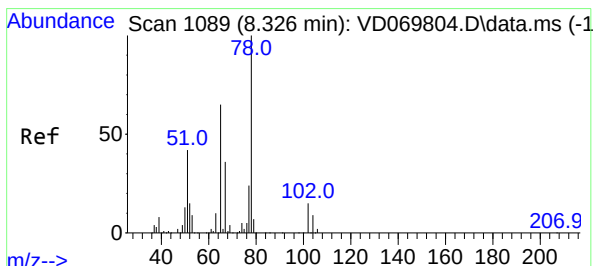
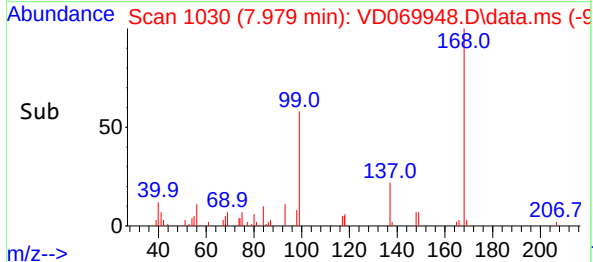
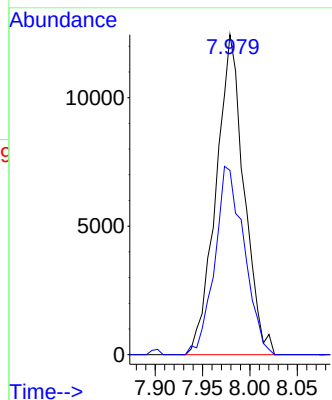
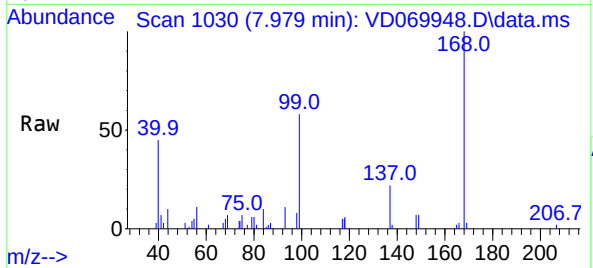




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

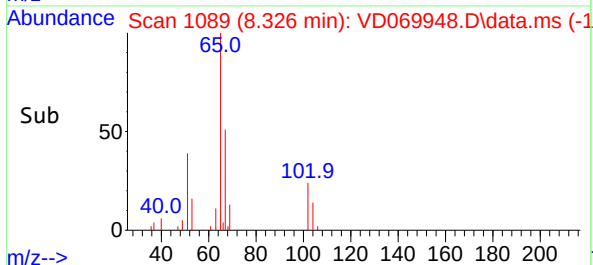
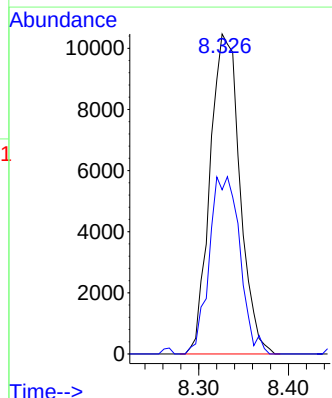
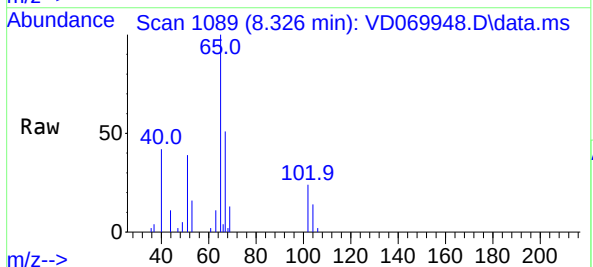
Instrument :
MSVOA_D
ClientSampleId :
SOLID-A-ERE

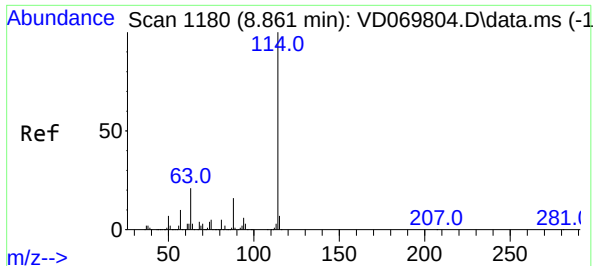
Tgt Ion:168 Resp: 25625
Ion Ratio Lower Upper
168 100
99 57.6 51.1 76.7



#33
1,2-Dichloroethane-d4
Concen: 81.924 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

Tgt Ion: 65 Resp: 24144
Ion Ratio Lower Upper
65 100
67 56.9 0.0 111.2



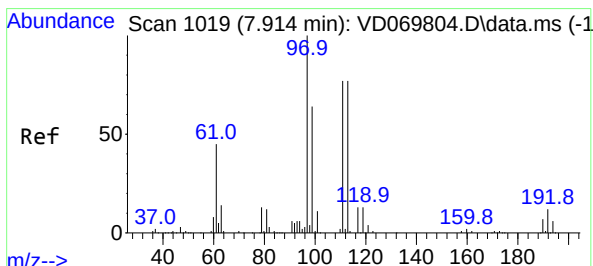
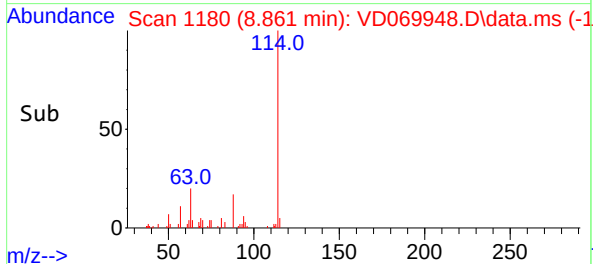
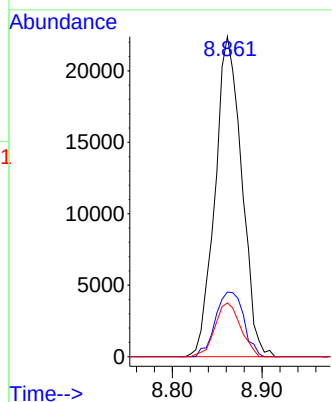
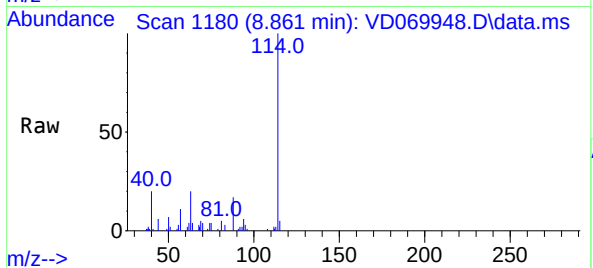


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

Instrument :
MSVOA_D
ClientSampleId :
SOLID-A-ERE

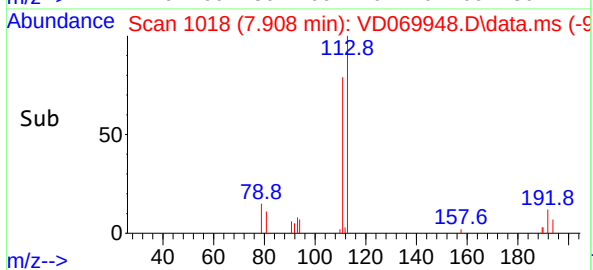
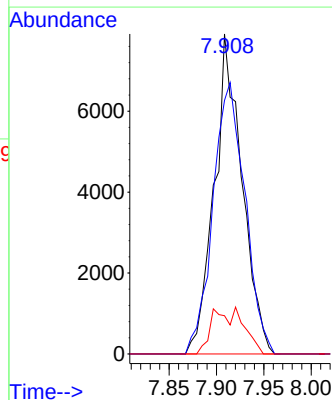
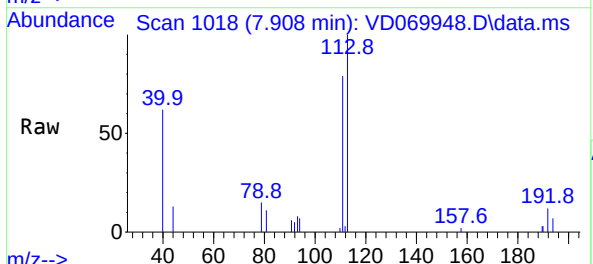
Tgt Ion:	114	Resp:	46154
Ion Ratio	Lower	Upper	
114	100		
63	20.2	0.0	41.6
88	16.8	0.0	31.4

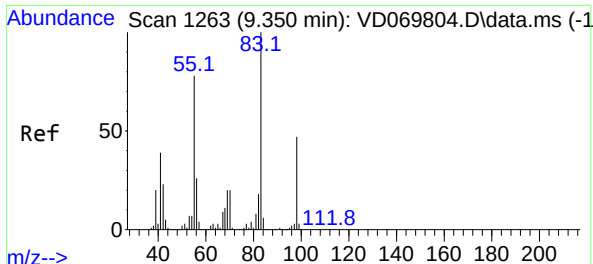


#35

Dibromofluoromethane
Concen: 55.390 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

Tgt Ion:	113	Resp:	16116
Ion Ratio	Lower	Upper	
113	100		
111	98.0	80.5	120.7
192	9.4	12.6	19.0#





#39

Methylcyclohexane

Concen: 44.859 ug/l

RT: 9.355 min Scan# 1264

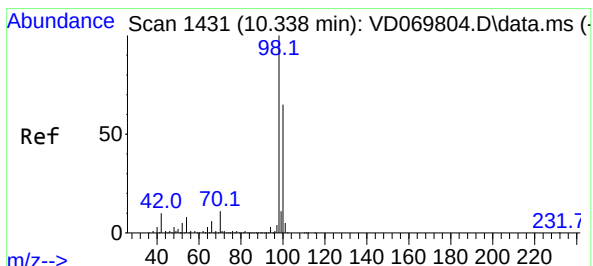
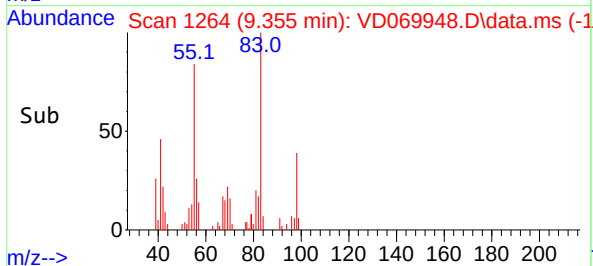
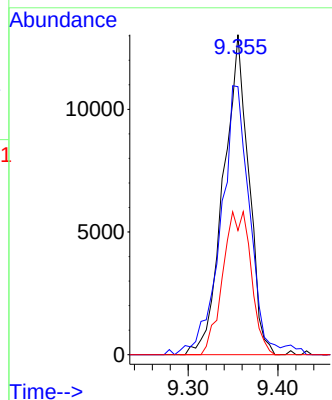
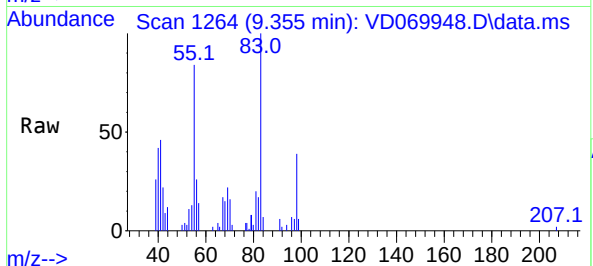
Delta R.T. 0.006 min

Lab File: VD069948.D

Acq: 02 Aug 2021 11:23

Tgt Ion:	83	Resp:	25589
Ion	Ratio	Lower	Upper
83	100		
55	82.5	62.2	93.2
98	38.8	37.8	56.8

Instrument :
MSVOA_D
ClientSampleId :
SOLID-A-ERE



#50

Toluene-d8

Concen: 52.685 ug/l

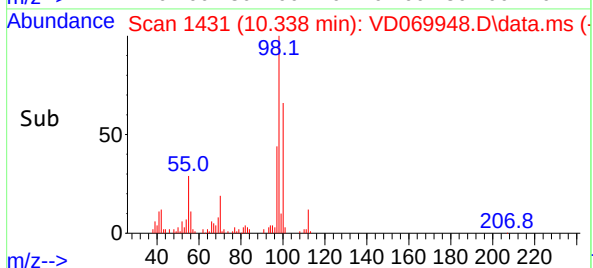
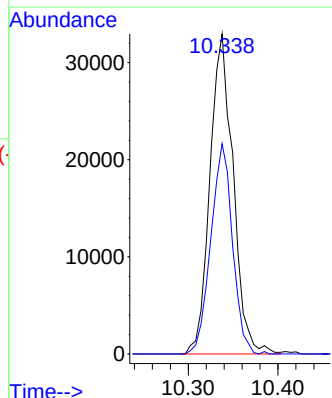
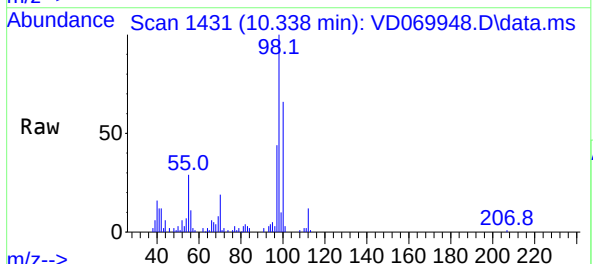
RT: 10.338 min Scan# 1431

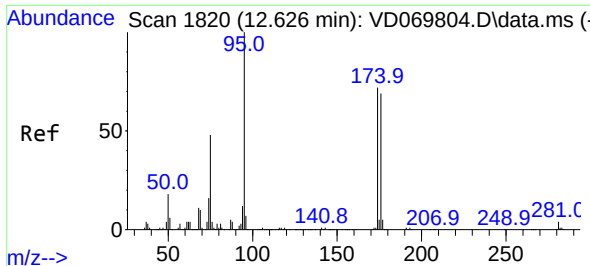
Delta R.T. -0.000 min

Lab File: VD069948.D

Acq: 02 Aug 2021 11:23

Tgt Ion:	98	Resp:	59108
Ion	Ratio	Lower	Upper
98	100		
100	61.3	51.9	77.9

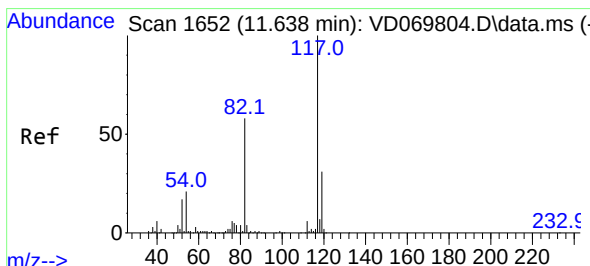
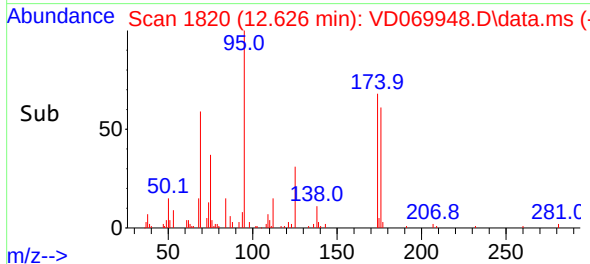
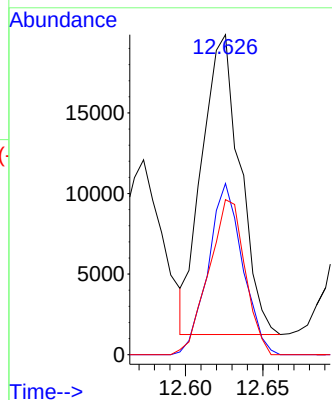
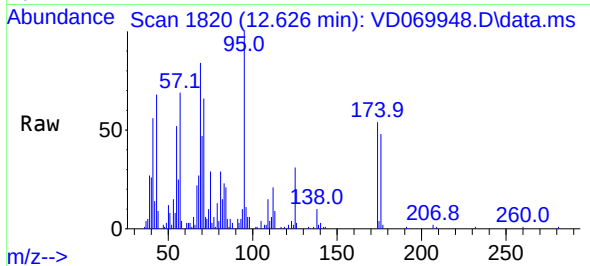




#62
4-Bromofluorobenzene
Concen: 84.831 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

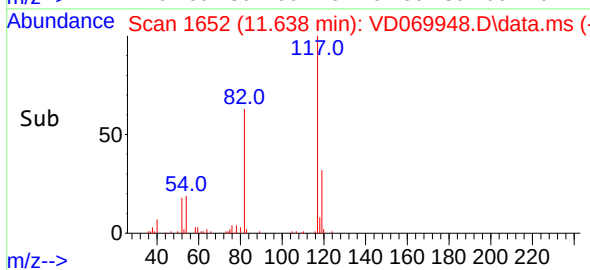
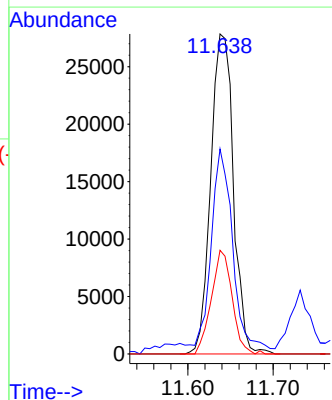
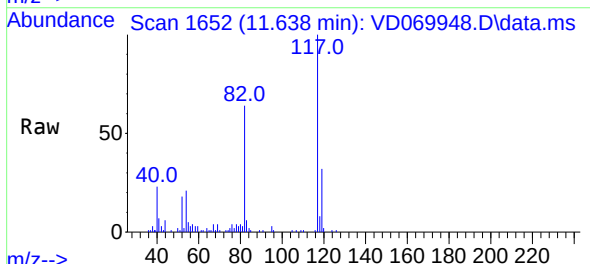
Instrument :
MSVOA_D
ClientSampleId :
SOLID-A-ERE

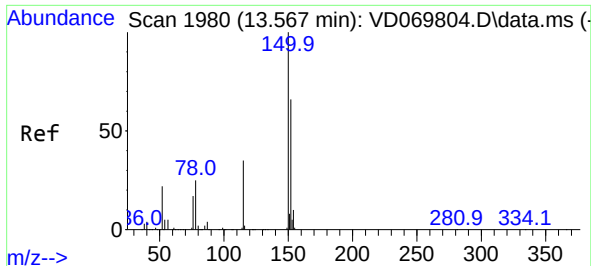
Tgt Ion:	95	Resp:	31807
Ion	Ratio	Lower	Upper
95	100		
174	51.6	0.0	142.6
176	49.1	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

Tgt Ion:	117	Resp:	51346
Ion	Ratio	Lower	Upper
117	100		
82	60.7	46.3	69.5
119	32.4	24.7	37.1

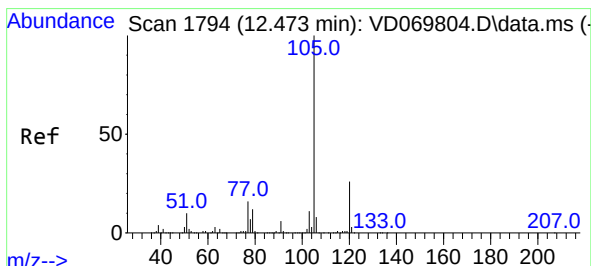
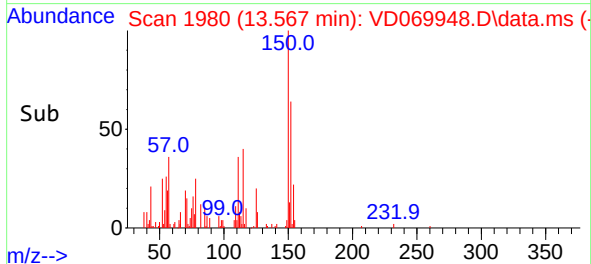
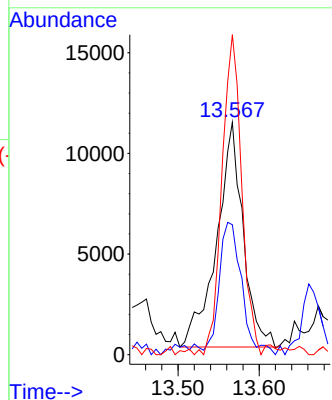
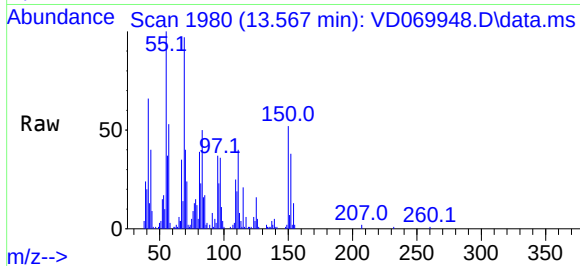




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

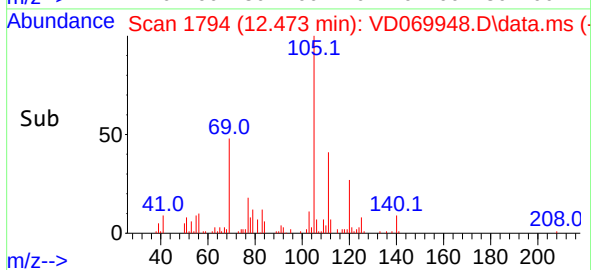
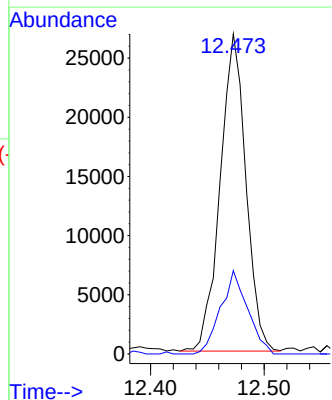
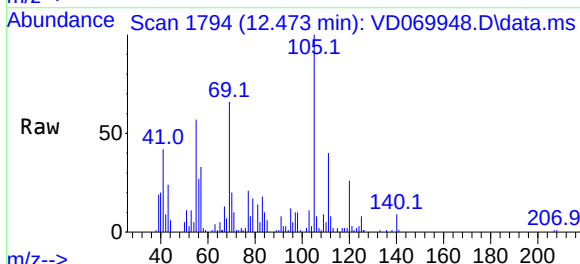
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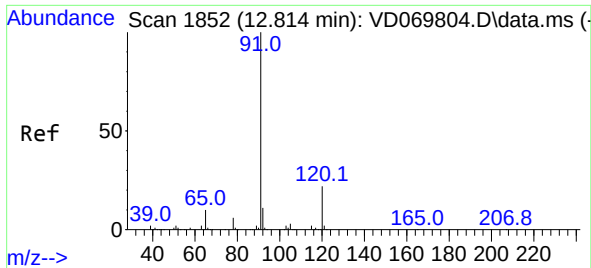
Tgt Ion:	152	Resp:	25280
Ion	Ratio	Lower	Upper
152	100		
115	50.1	31.1	93.3
150	105.9	0.0	343.0



#73
Isopropylbenzene
Concen: 23.246 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

Tgt Ion:	105	Resp:	42224
Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.0	38.9

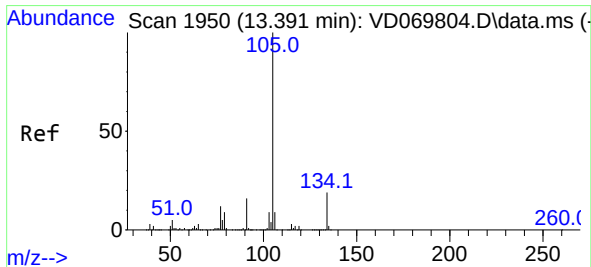
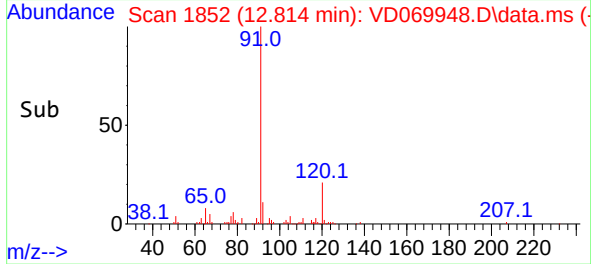
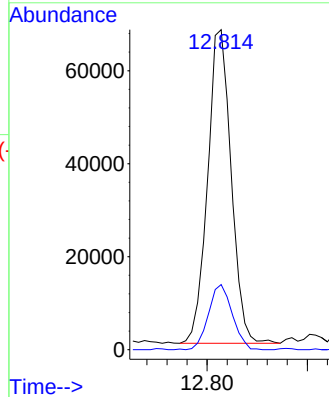
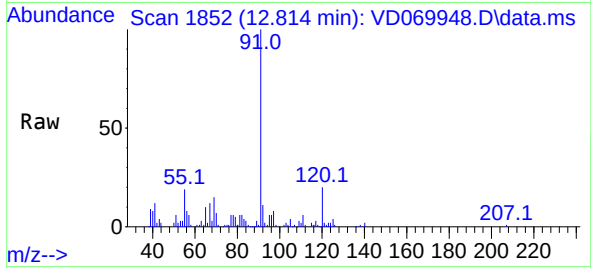




#78
n-propylbenzene
Concen: 47.270 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

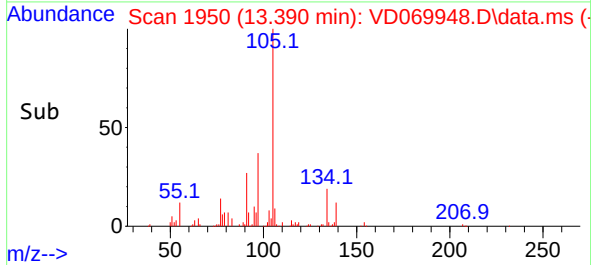
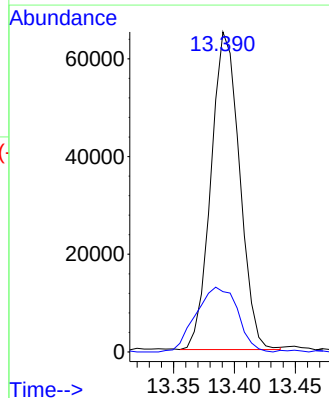
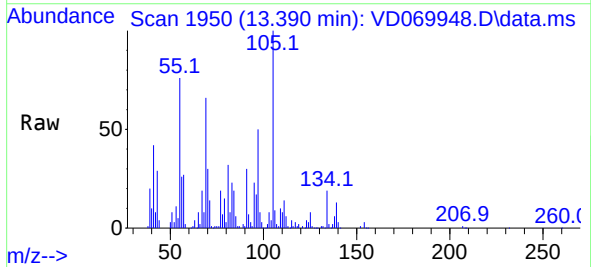
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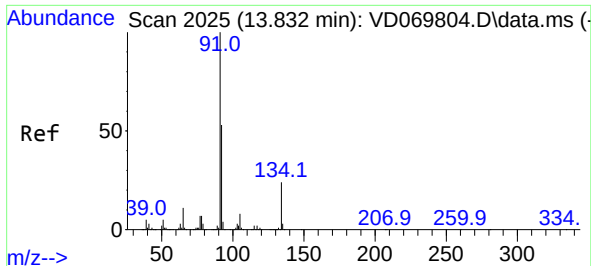
Tgt Ion: 91 Resp: 110277
Ion Ratio Lower Upper
91 100
120 20.9 10.9 32.7



#85
sec-Butylbenzene
Concen: 53.182 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

Tgt Ion:105 Resp: 106212
Ion Ratio Lower Upper
105 100
134 29.8 9.6 28.6#





#89
n-Butylbenzene
Concen: 83.967 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD069948.D
Acq: 02 Aug 2021 11:23

Instrument :
MSVOA_D
ClientSampleId :
SOLID-A-ERE

Tgt Ion: 91 Resp: 134452
Ion Ratio Lower Upper
91 100
92 47.5 26.6 79.7
134 37.0 11.9 35.7#

