

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092321\
 Data File : VD070441.D
 Acq On : 23 Sep 2021 12:40
 Operator : VA/SY
 Sample : M3867-05RE
 Misc : 6.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5-(1.5-2.5)RE

Quant Time: Sep 24 06:44:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

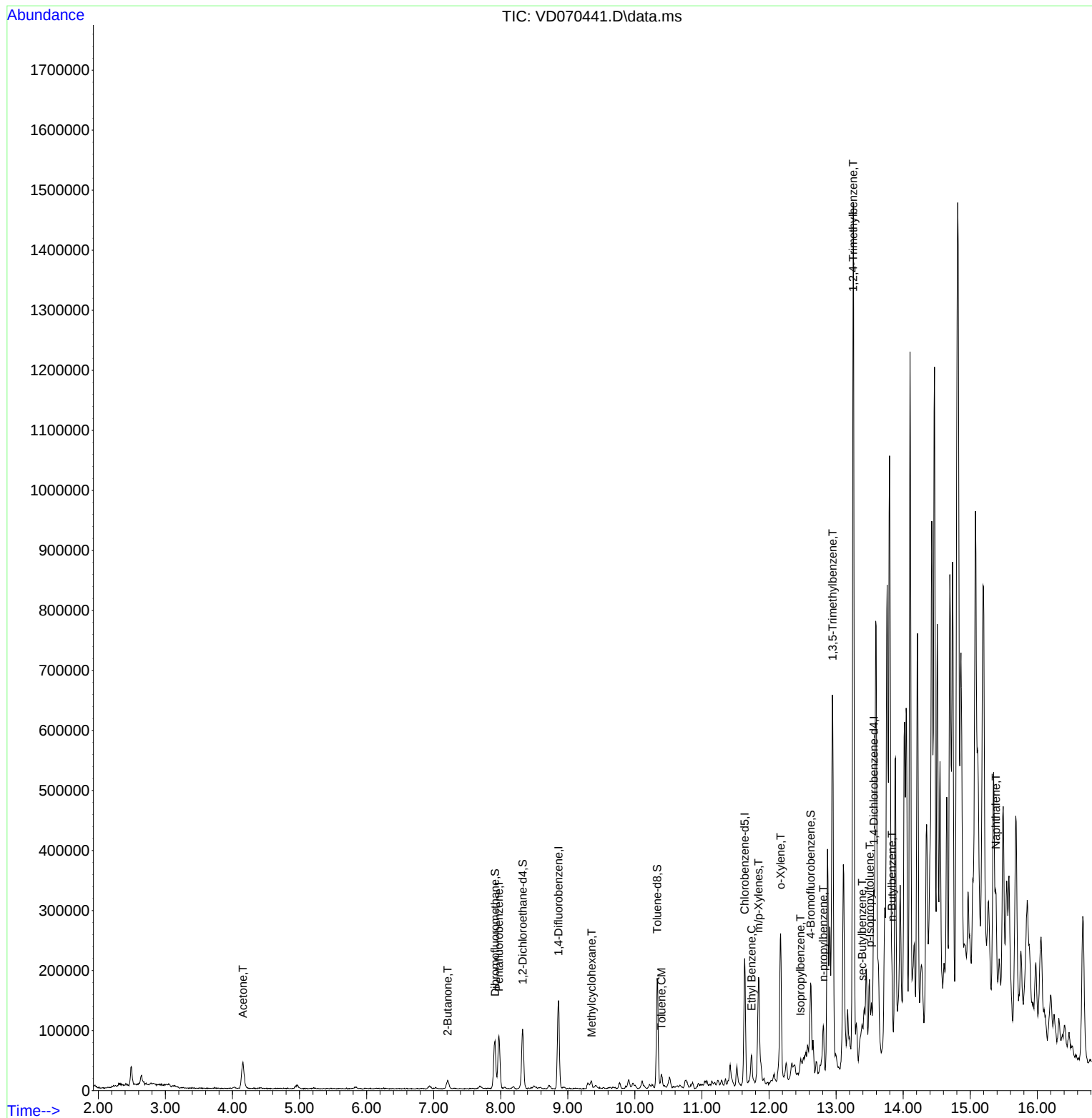
Internal Standards						
1) Pentafluorobenzene	7.973	168	58290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	126644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	122181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	45433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	76189	101.795	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.580%#			
35) Dibromofluoromethane	7.914	113	58749	65.170	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 130.340%			
50) Toluene-d8	10.332	98	123307	37.674	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 75.340%			
62) 4-Bromofluorobenzene	12.620	95	49582	43.346	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.700%			
Target Compounds					Qvalue	
16) Acetone	4.156	43	73591	550.724	ug/l	92
25) 2-Butanone	7.209	43	21152	118.914	ug/l #	84
39) Methylcyclohexane	9.356	83	4304	2.846	ug/l #	79
52) Toluene	10.397	92	9295	3.878	ug/l	88
67) Ethyl Benzene	11.738	91	28105	6.438	ug/l	94
68) m/p-Xylenes	11.844	106	45883	27.215	ug/l	100
69) o-Xylene	12.173	106	67141	44.453	ug/l	97
73) Isopropylbenzene	12.467	105	16635	5.221	ug/l	96
78) n-propylbenzene	12.808	91	58829	14.226	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	268160	97.519	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	781961	288.774	ug/l	100
85) sec-Butylbenzene	13.391	105	24929m	7.111	ug/l	
86) p-Isopropyltoluene	13.502	119	22714	8.064	ug/l	91
89) n-Butylbenzene	13.832	91	61534m	21.912	ug/l	
95) Naphthalene	15.385	128	73132	55.185	ug/l #	91

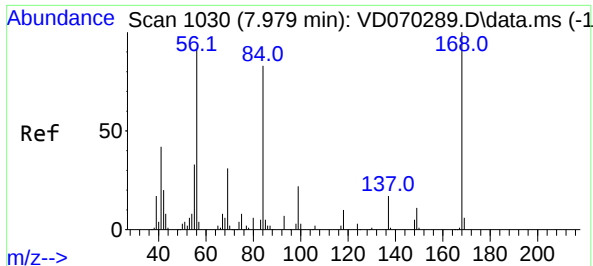
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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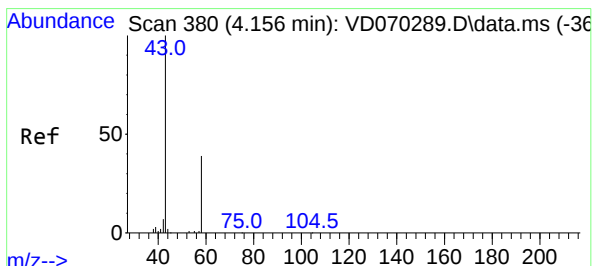
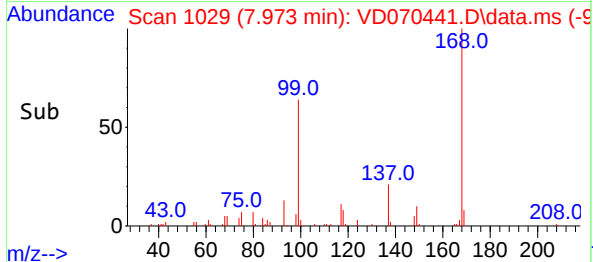
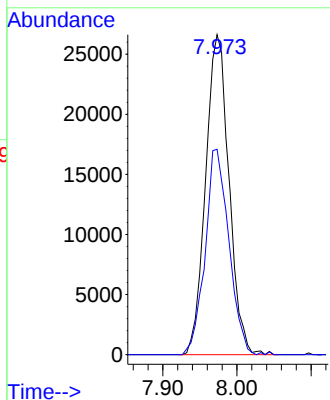
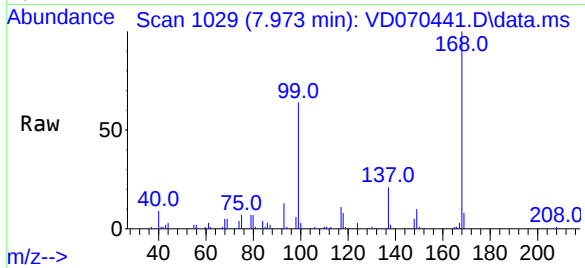




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

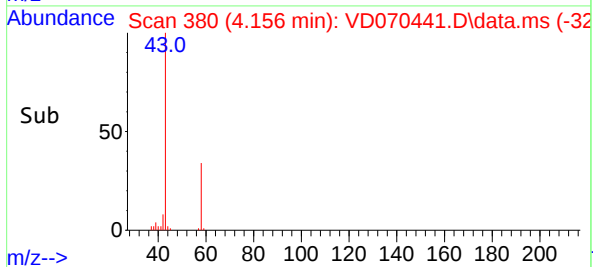
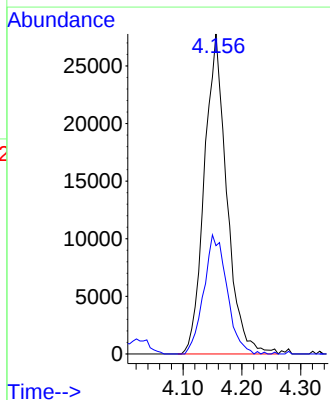
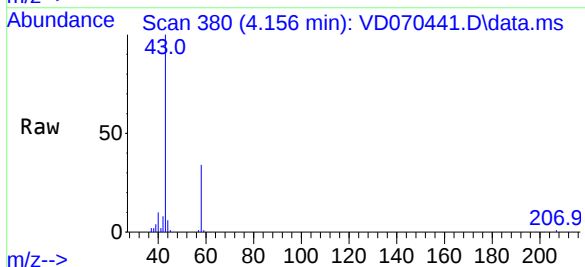
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)RE

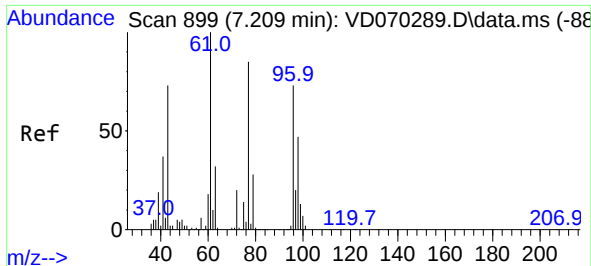
Tgt Ion:168 Resp: 58290
Ion Ratio Lower Upper
168 100
99 64.2 50.8 76.2



#16
Acetone
Concen: 550.724 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

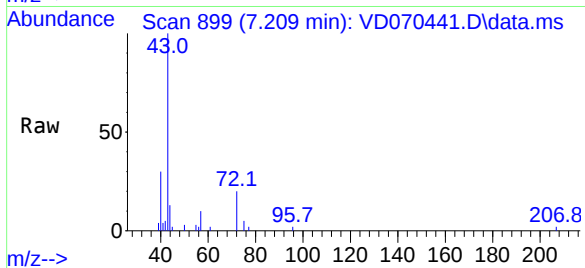
Tgt Ion: 43 Resp: 73591
Ion Ratio Lower Upper
43 100
58 33.9 30.9 46.3



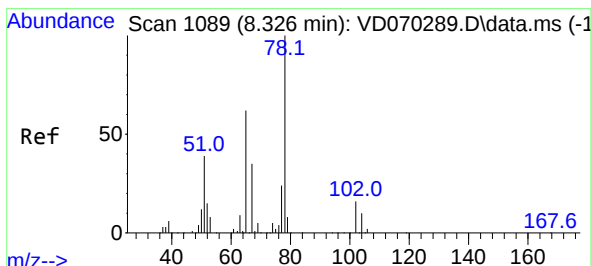
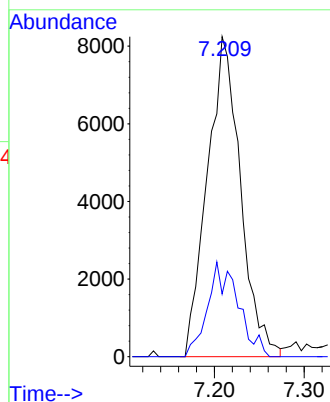
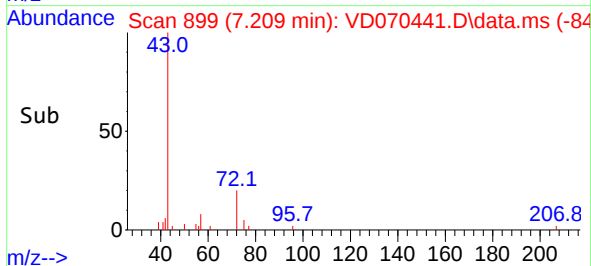


#25
2-Butanone
Concen: 118.914 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

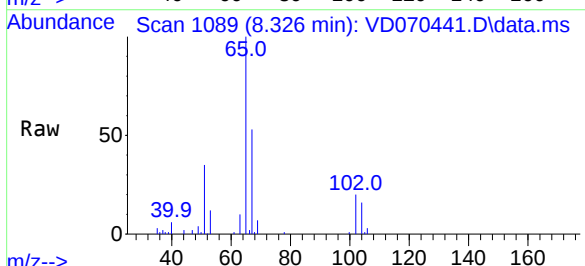
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)RE



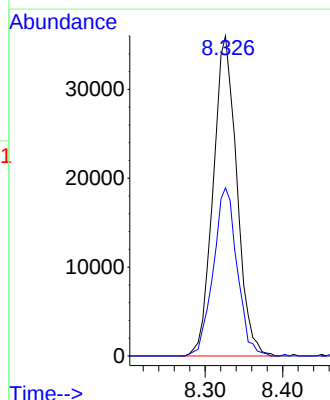
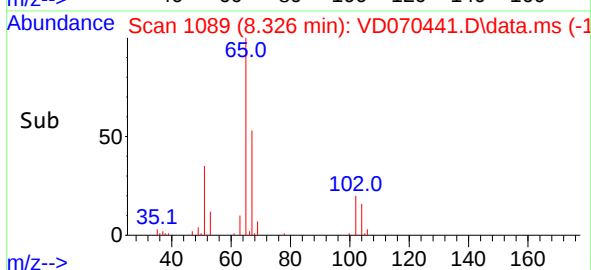
Tgt Ion: 43 Resp: 21152
Ion Ratio Lower Upper
43 100
72 19.6 22.2 33.4#

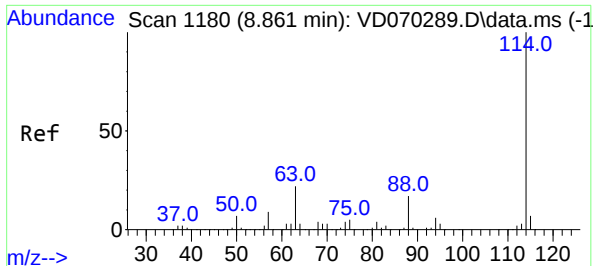


#33
1,2-Dichloroethane-d4
Concen: 101.795 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40



Tgt Ion: 65 Resp: 76189
Ion Ratio Lower Upper
65 100
67 53.1 0.0 111.4



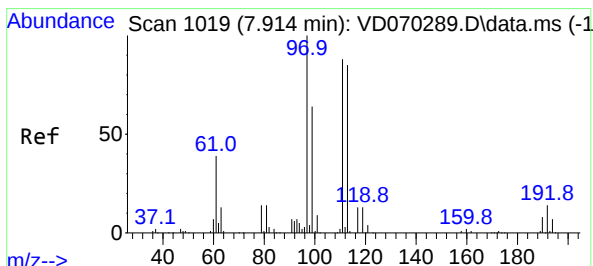
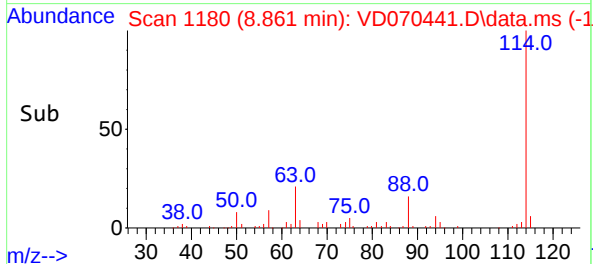
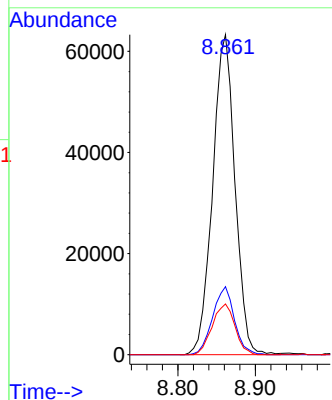
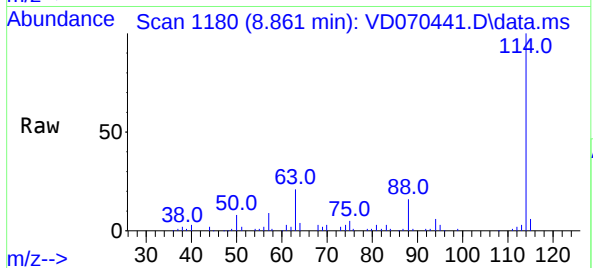


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)RE

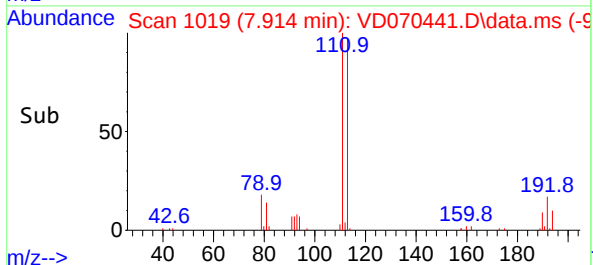
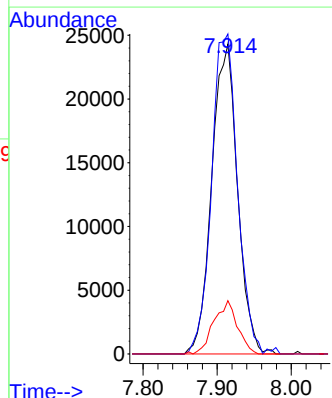
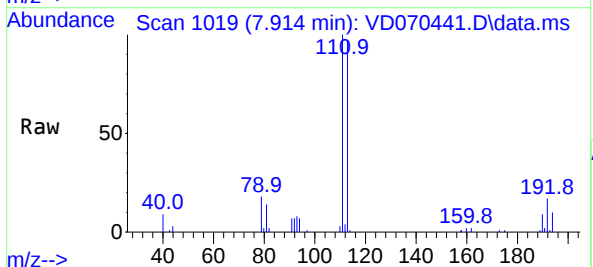
Tgt Ion:114 Resp: 126644
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.4
88 15.8 0.0 33.4

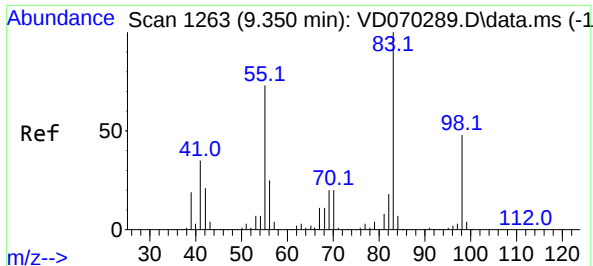


#35

Dibromofluoromethane
Concen: 65.170 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Tgt Ion:113 Resp: 58749
Ion Ratio Lower Upper
113 100
111 104.1 81.4 122.2
192 15.8 13.0 19.6





#39

Methylcyclohexane

Concen: 2.846 ug/l

RT: 9.356 min Scan# 1264

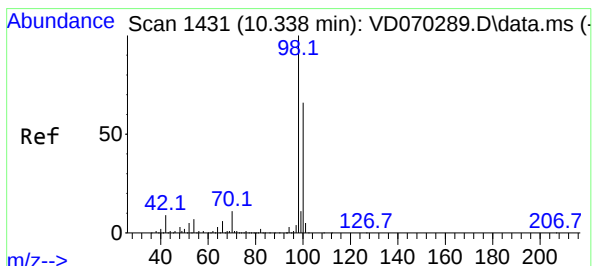
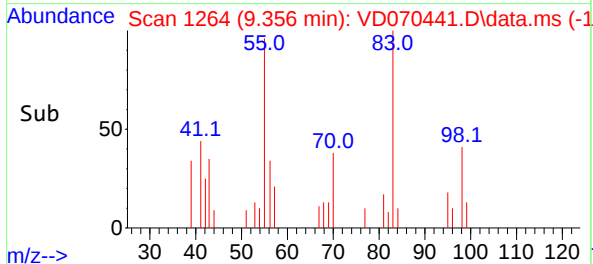
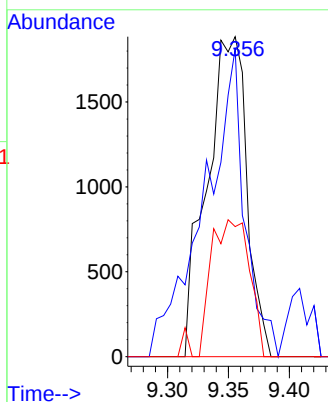
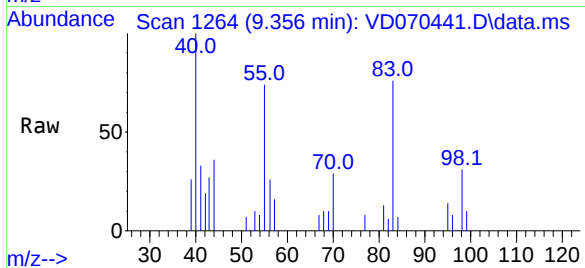
Delta R.T. 0.006 min

Lab File: VD070441.D

Acq: 23 Sep 2021 12:40

Tgt Ion:	83	Resp:	4304
Ion	Ratio	Lower	Upper
83	100		
55	96.2	58.5	87.7#
98	40.6	38.4	57.6

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#50

Toluene-d8

Concen: 37.674 ug/l

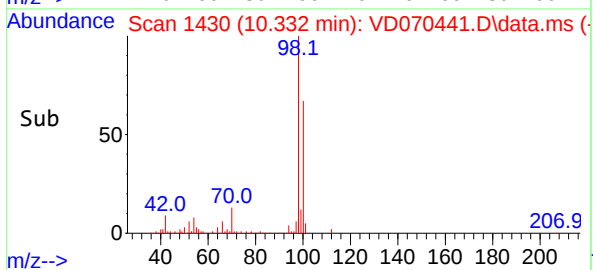
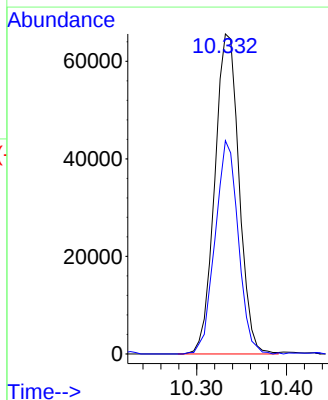
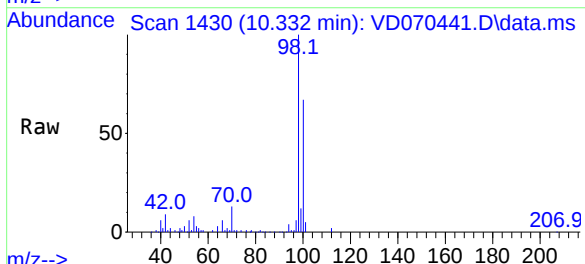
RT: 10.332 min Scan# 1430

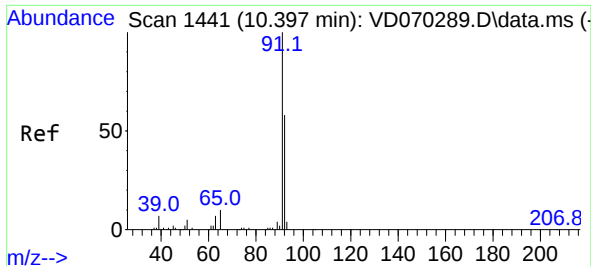
Delta R.T. -0.006 min

Lab File: VD070441.D

Acq: 23 Sep 2021 12:40

Tgt Ion:	98	Resp:	123307
Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0

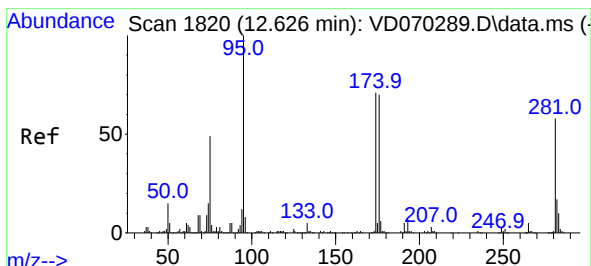
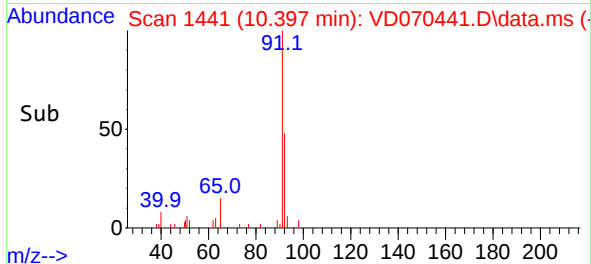
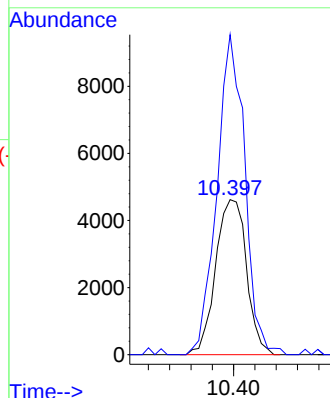
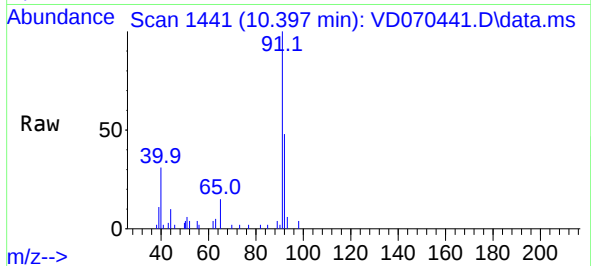




#52
Toluene
Concen: 3.878 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

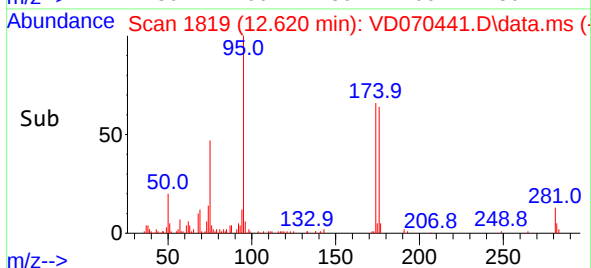
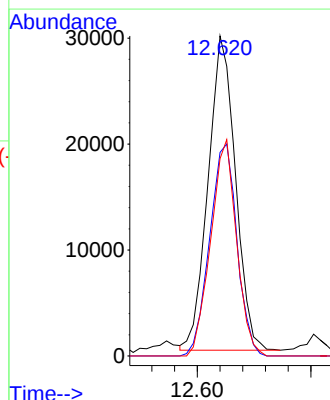
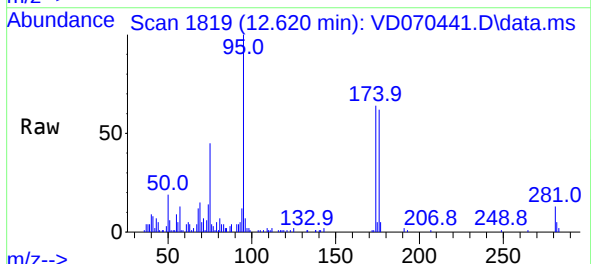
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)RE

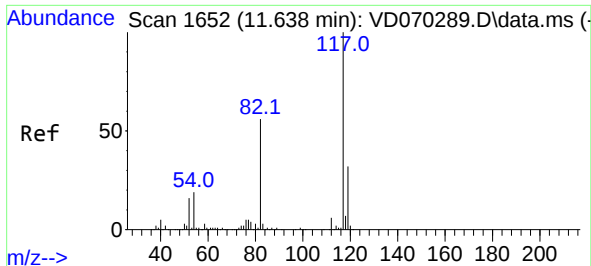
Tgt Ion: 92 Resp: 9295
Ion Ratio Lower Upper
92 100
91 186.7 136.2 204.2



#62
4-Bromofluorobenzene
Concen: 43.346 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Tgt Ion: 95 Resp: 49582
Ion Ratio Lower Upper
95 100
174 67.6 0.0 140.6
176 64.9 0.0 137.4

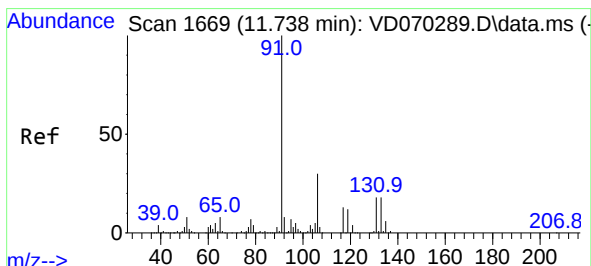
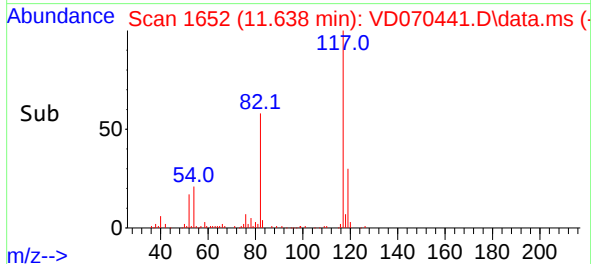
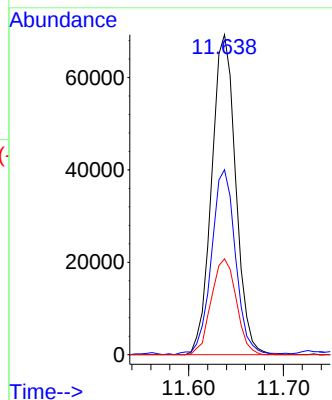
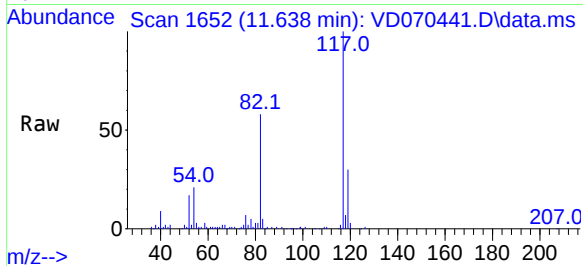




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

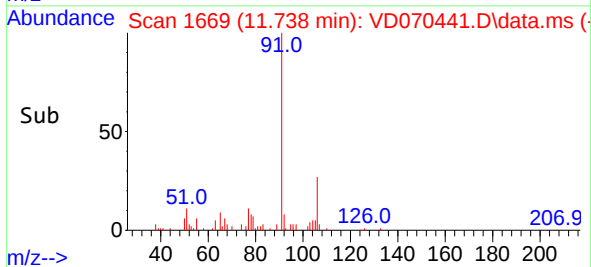
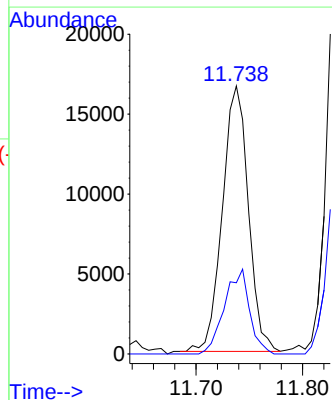
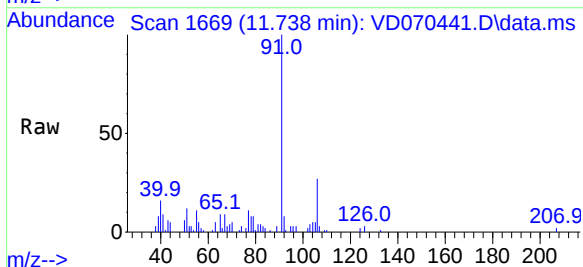
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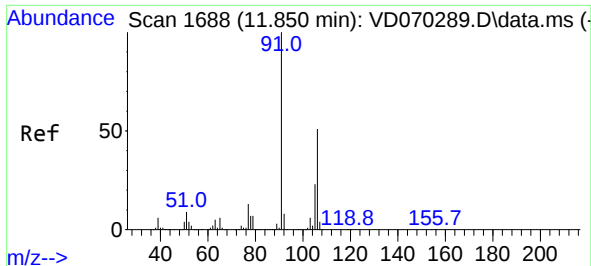
Tgt Ion:	117	Resp:	122181
Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.0	67.4
119	30.0	25.2	37.8



#67
Ethyl Benzene
Concen: 6.438 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Tgt Ion:	91	Resp:	28105
Ion	Ratio	Lower	Upper
91	100		
106	26.8	24.2	36.2

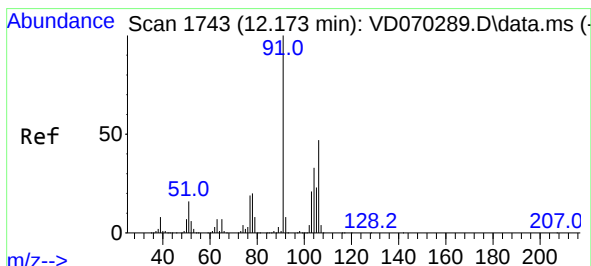
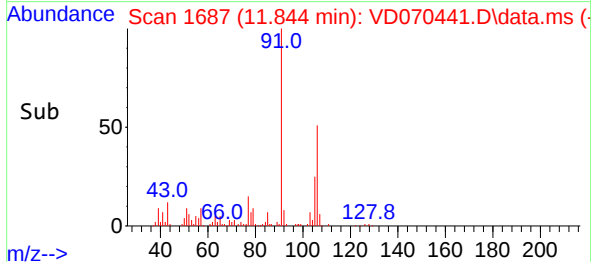
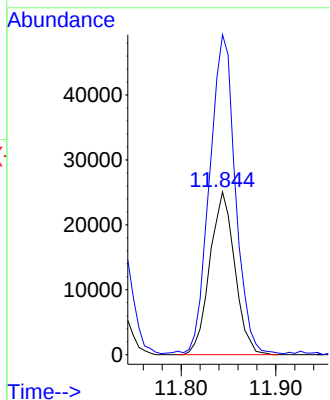
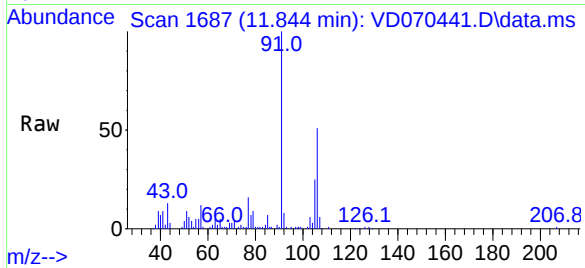




#68
m/p-Xylenes
Concen: 27.215 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

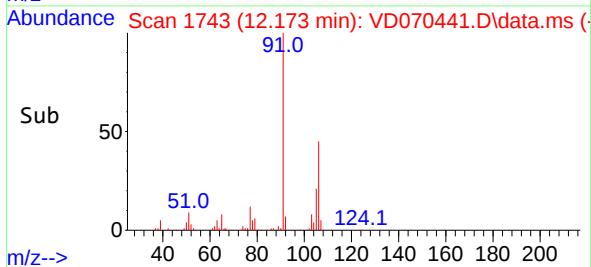
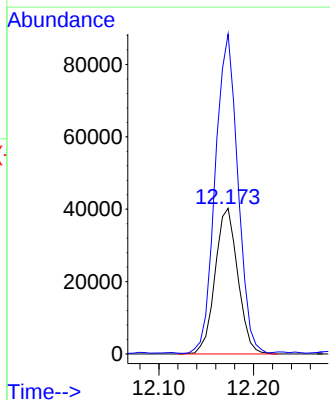
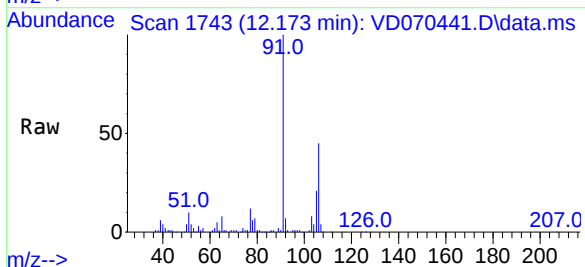
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)RE

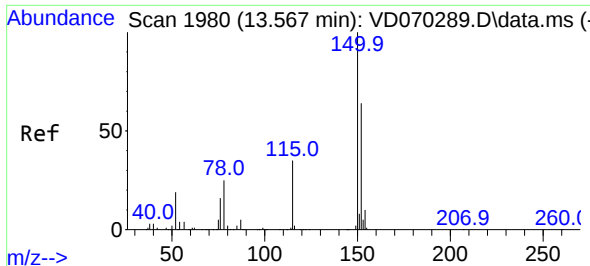
Tgt Ion:106 Resp: 45883
Ion Ratio Lower Upper
106 100
91 202.1 161.2 241.8



#69
o-Xylene
Concen: 44.453 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Tgt Ion:106 Resp: 67141
Ion Ratio Lower Upper
106 100
91 217.8 106.3 318.9

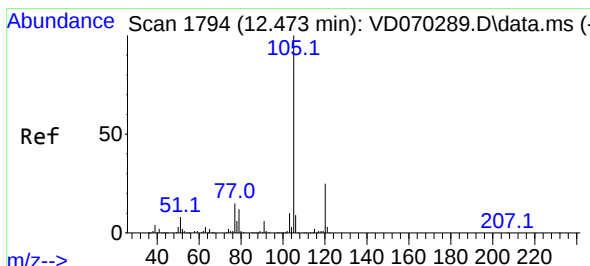
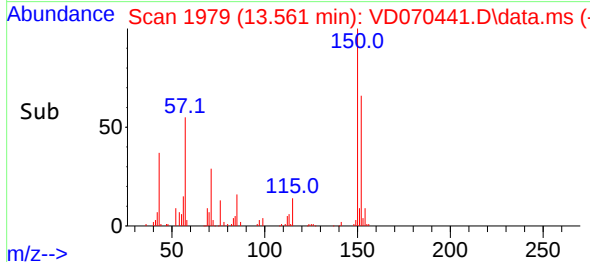
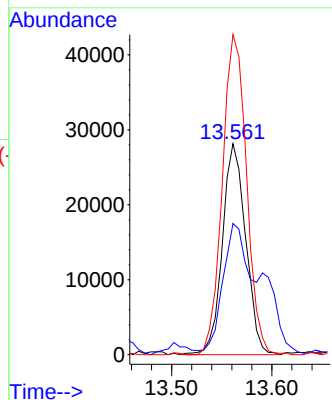
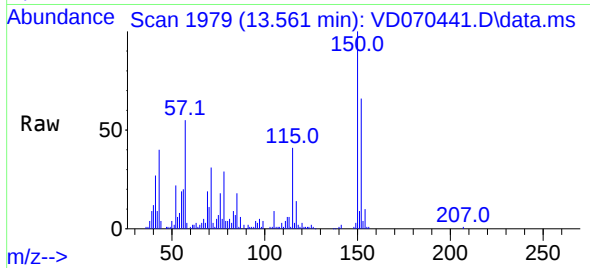




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

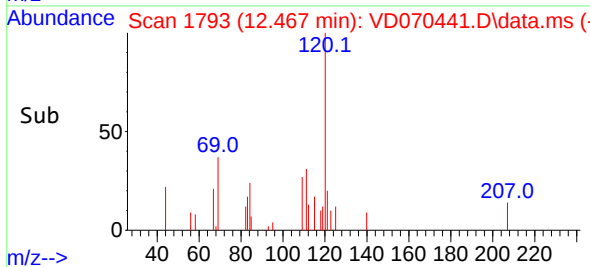
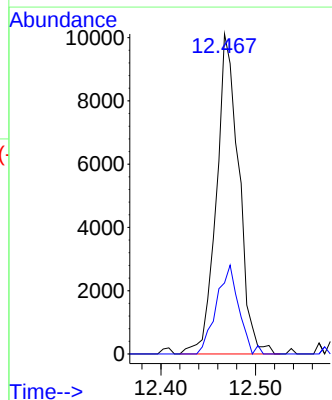
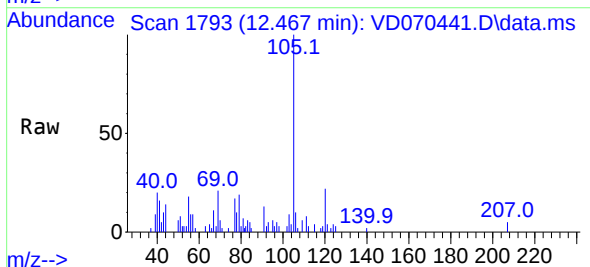
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)RE

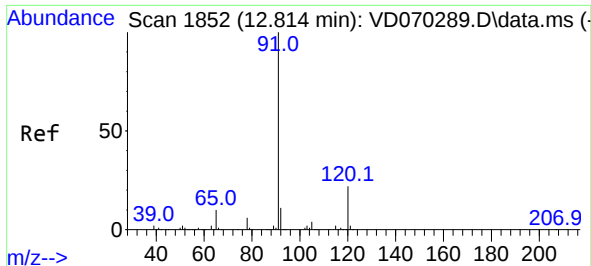
Tgt Ion:152 Resp: 45433
Ion Ratio Lower Upper
152 100
115 68.6 32.1 96.3
150 157.6 0.0 350.6



#73
Isopropylbenzene
Concen: 5.221 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Tgt Ion:105 Resp: 16635
Ion Ratio Lower Upper
105 100
120 27.7 13.0 38.9

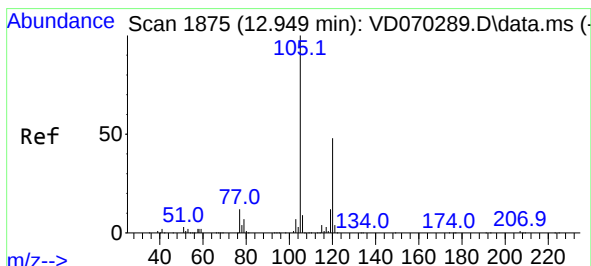
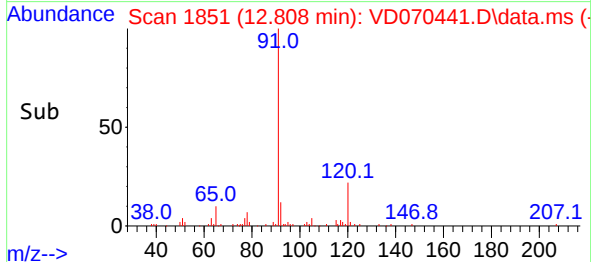
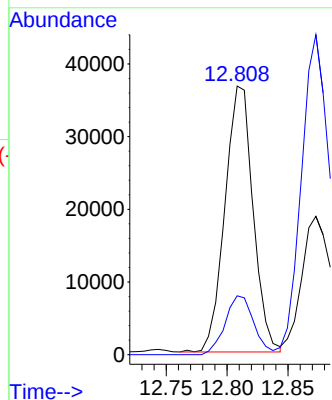
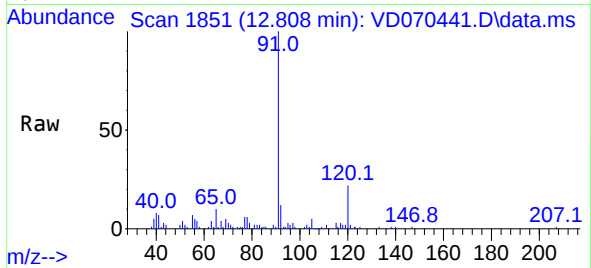




#78
n-propylbenzene
Concen: 14.226 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

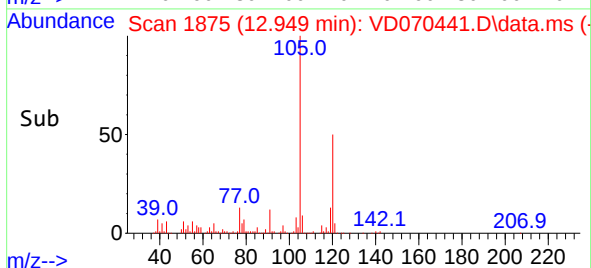
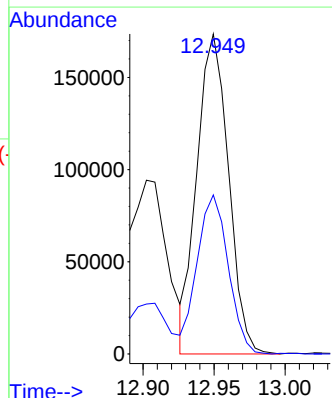
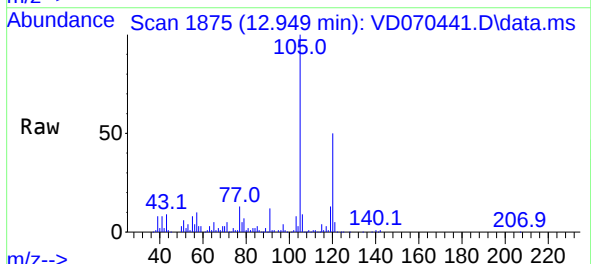
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)RE

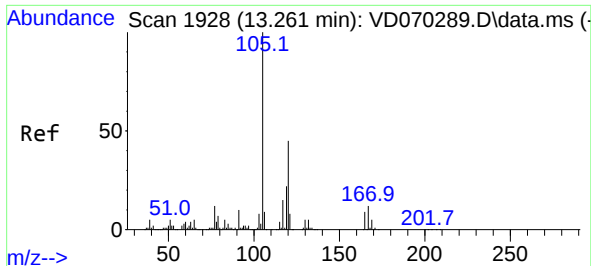
Tgt Ion: 91 Resp: 58829
Ion Ratio Lower Upper
91 100
120 22.5 11.0 33.0



#80
1,3,5-Trimethylbenzene
Concen: 97.519 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Tgt Ion:105 Resp: 268160
Ion Ratio Lower Upper
105 100
120 49.0 24.1 72.2

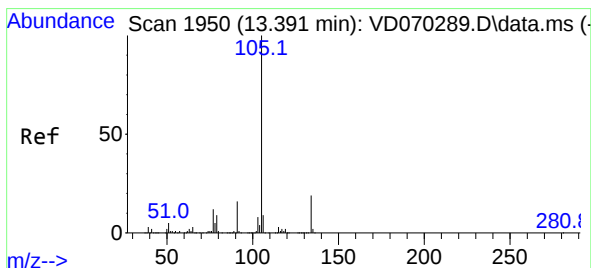
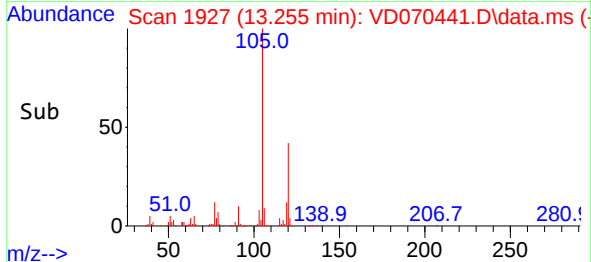
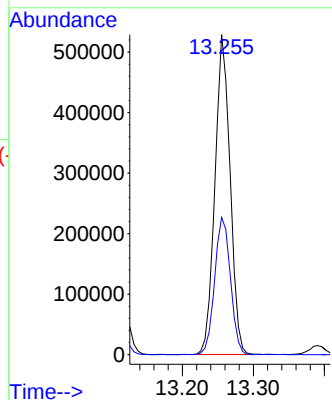
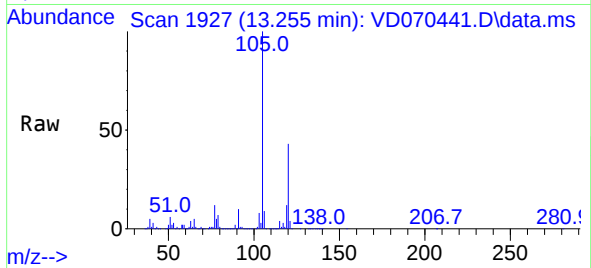




#84
1,2,4-Trimethylbenzene
Concen: 288.774 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

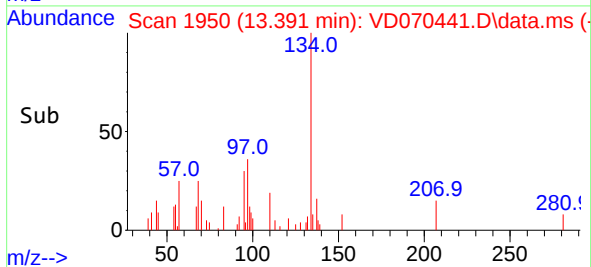
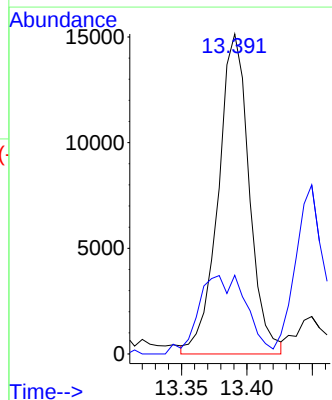
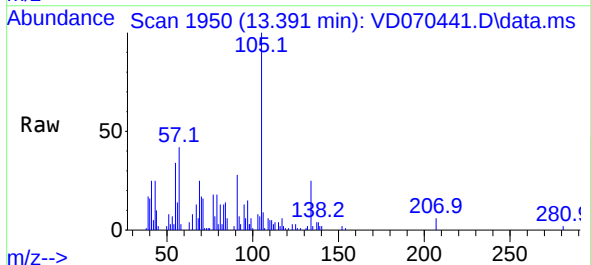
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)RE

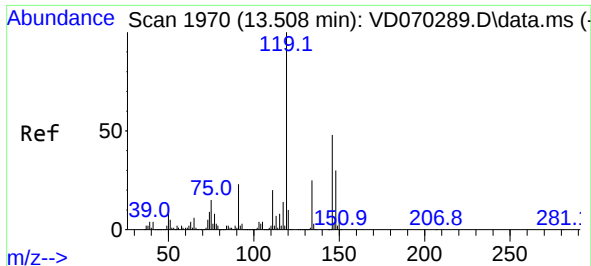
Tgt Ion:105 Resp: 781961
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.8



#85
sec-Butylbenzene
Concen: 7.111 ug/l m
RT: 13.391 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Tgt Ion:105 Resp: 24929
Ion Ratio Lower Upper
105 100
134 1.6 9.8 29.3#



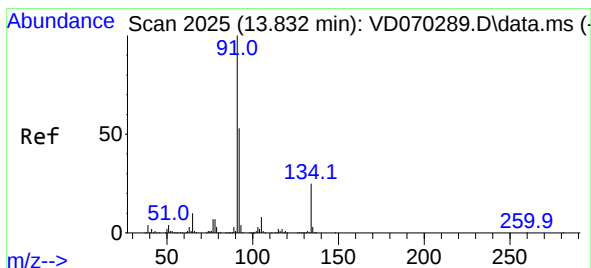
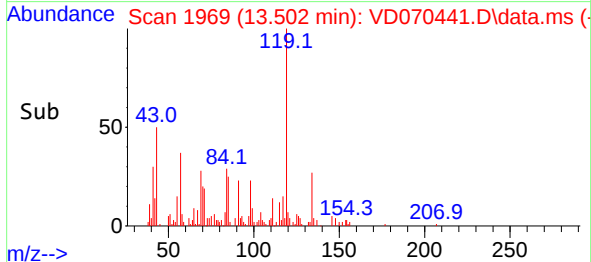
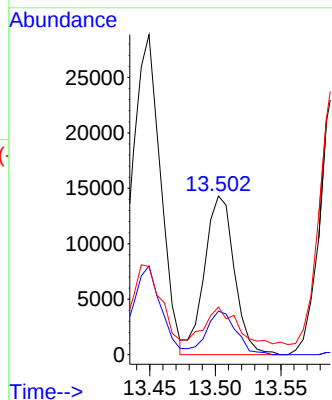
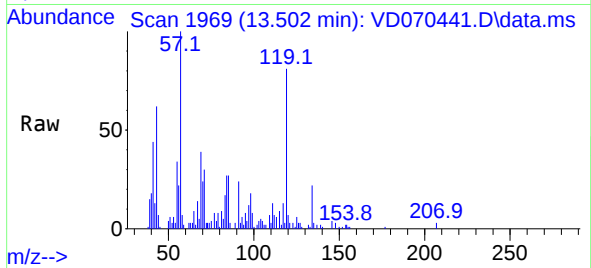


#86
p-Isopropyltoluene
Concen: 8.064 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)RE

Tgt Ion:119 Resp: 22714

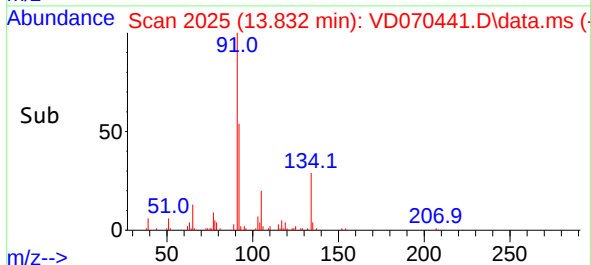
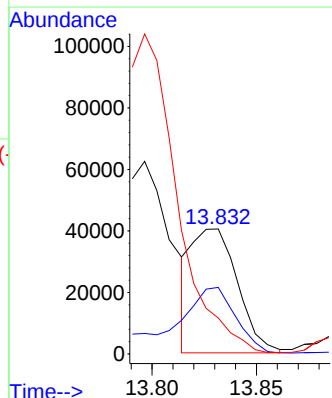
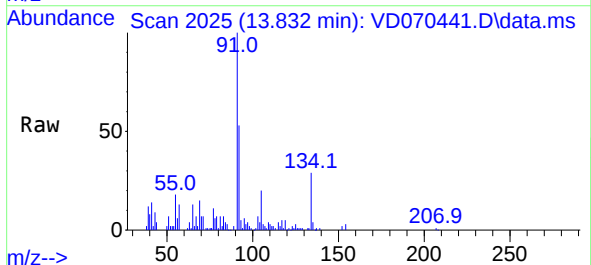
Ion	Ratio	Lower	Upper
119	100		
134	27.2	12.7	38.0
91	30.8	11.8	35.3

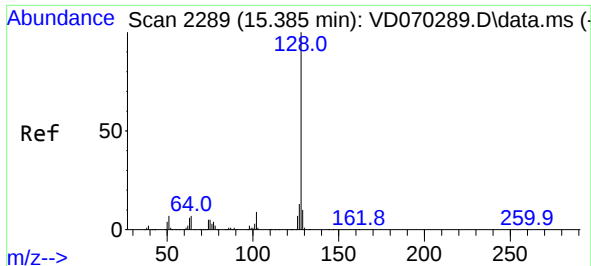


#89
n-Butylbenzene
Concen: 21.912 ug/l m
RT: 13.832 min Scan# 2025
Delta R.T. 0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Tgt Ion: 91 Resp: 61534

Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.8	80.4#
134	316.1	12.1	36.3#





#95
Naphthalene
Concen: 55.185 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070441.D
Acq: 23 Sep 2021 12:40

Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)RE

Tgt Ion:128 Resp: 73132
Ion Ratio Lower Upper
128 100
127 19.6 10.5 15.7#
129 10.8 9.0 13.4

