

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030221\
 Data File : VD068500.D
 Acq On : 02 Mar 2021 17:06
 Operator : VA/SY
 Sample : M1540-01
 Misc : 6.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PR-01-030221

Quant Time: Mar 02 23:59:36 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)

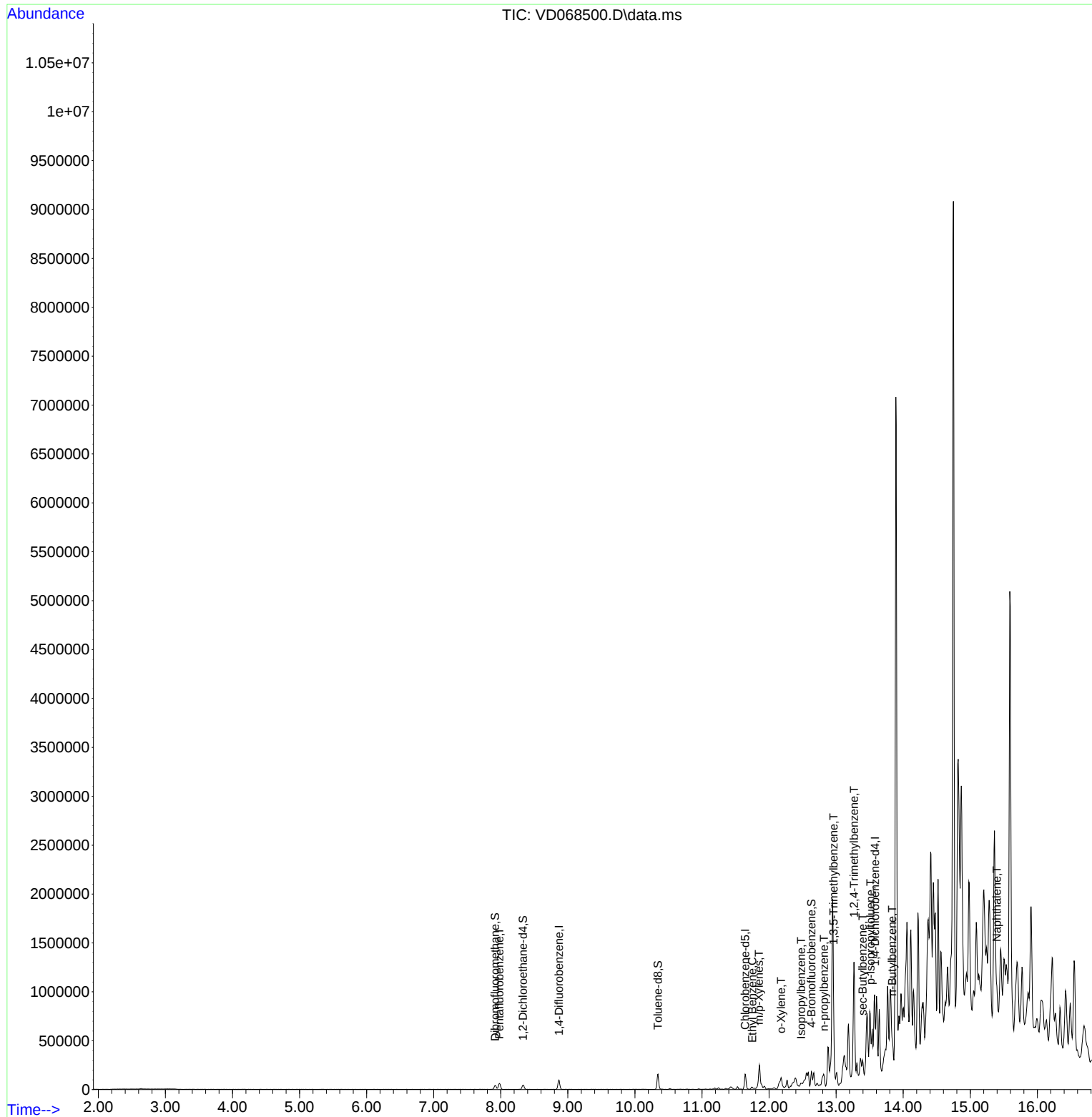
Internal Standards						
1) Pentafluorobenzene	7.979	168	47521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	87333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	90796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	51981	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	37750	79.51	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 159.02%			
35) Dibromofluoromethane	7.914	113	30277	57.55	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.10%			
50) Toluene-d8	10.344	98	105297	50.25	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.50%			
62) 4-Bromofluorobenzene	12.632	95	45206	66.94	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 133.88%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.749	91	14413	4.37	ug/l	92
68) m/p-Xylenes	11.849	106	27887	22.25	ug/l	94
69) o-Xylene	12.179	106	26339	22.81	ug/l	96
73) Isopropylbenzene	12.479	105	18948	4.91	ug/l	100
78) n-propylbenzene	12.820	91	83784	18.19	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	203248	64.32	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	683184	215.89	ug/l	97
85) sec-Butylbenzene	13.396	105	79017	20.79	ug/l	84
86) p-Isopropyltoluene	13.514	119	73122	21.20	ug/l	98
89) n-Butylbenzene	13.838	91	135088	40.60	ug/l #	76
95) Naphthalene	15.396	128	171279	84.03	ug/l #	93

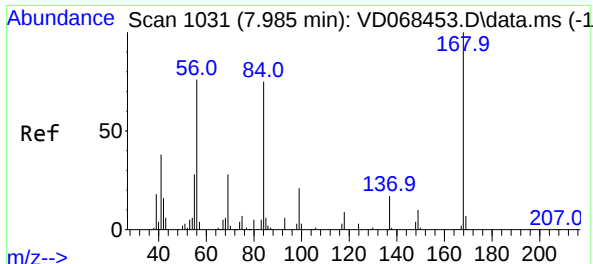
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

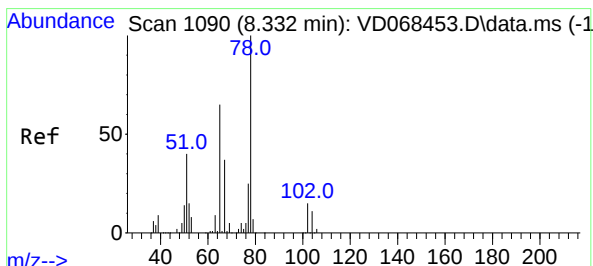
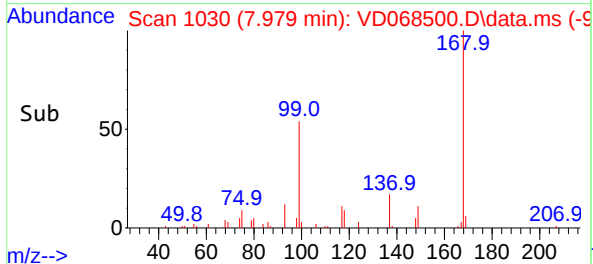
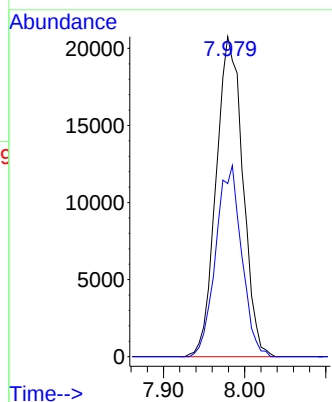
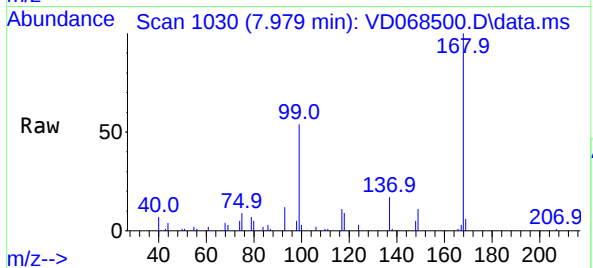




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

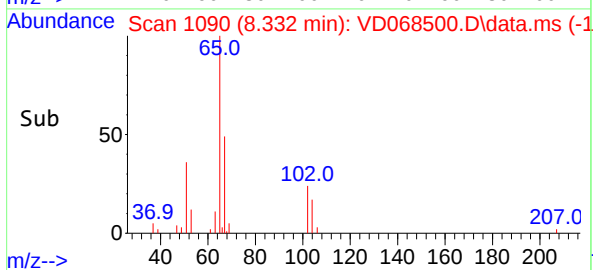
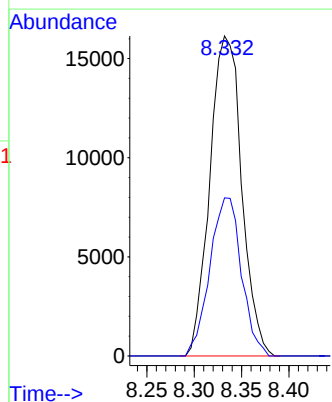
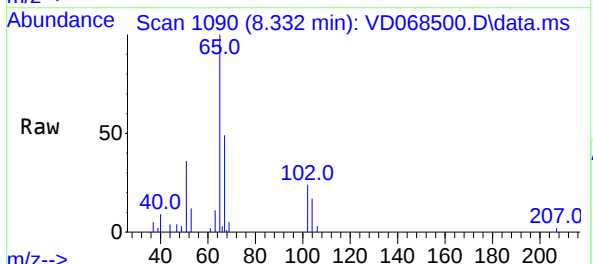
Instrument :
MSVOA_D
ClientSampleId :
PR-01-030221

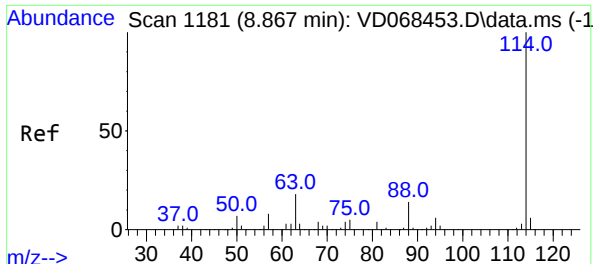
Tgt Ion:168 Resp: 47521
Ion Ratio Lower Upper
168 100
99 54.1 43.5 65.3



#33
1,2-Dichloroethane-d4
Concen: 79.51 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Tgt Ion: 65 Resp: 37750
Ion Ratio Lower Upper
65 100
67 49.0 0.0 105.0

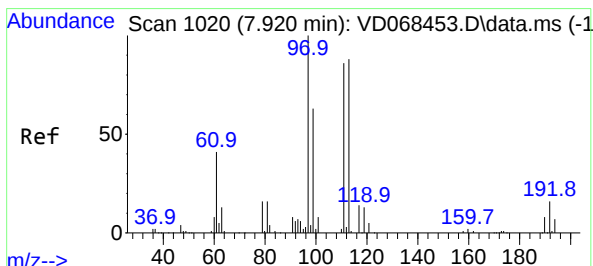
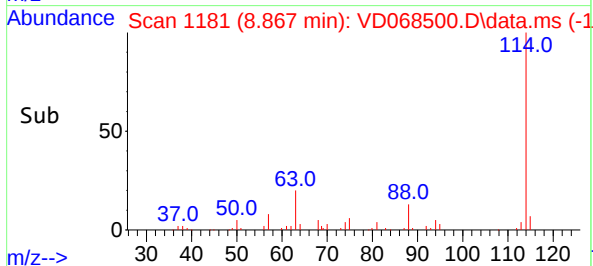
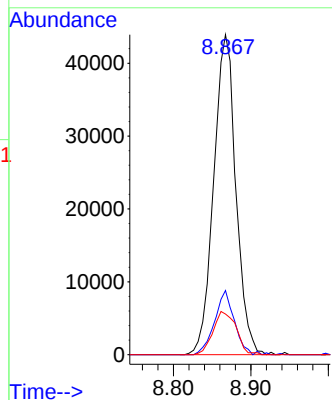
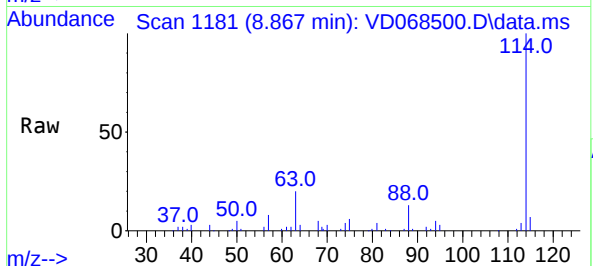




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

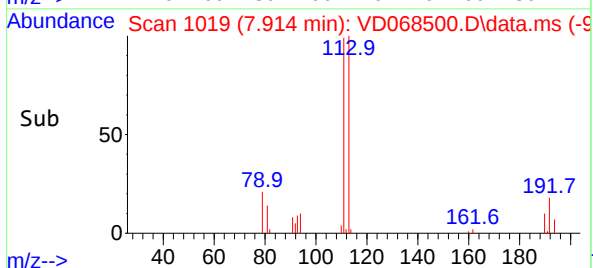
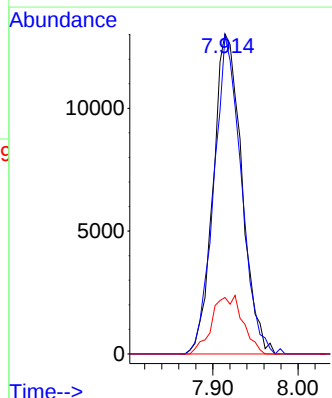
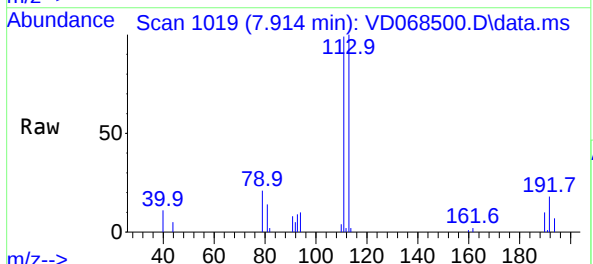
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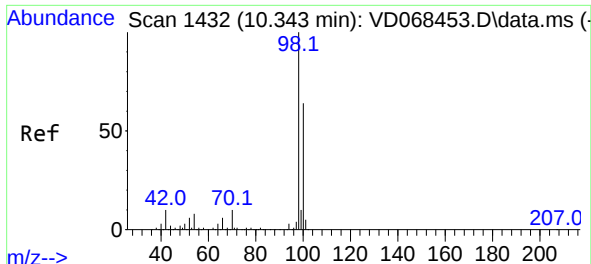
Tgt Ion:	114	Resp:	87333
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	34.8
88	12.7	0.0	31.6



#35
Dibromofluoromethane
Concen: 57.55 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Tgt Ion:	113	Resp:	30277
Ion	Ratio	Lower	Upper
113	100		
111	95.6	81.4	122.0
192	19.7	16.1	24.1

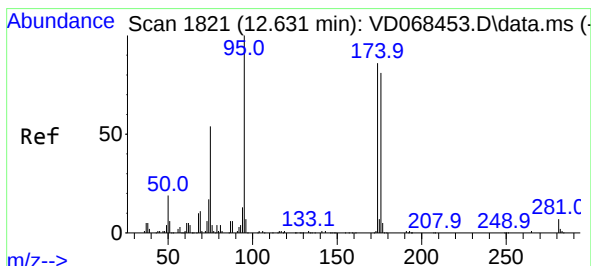
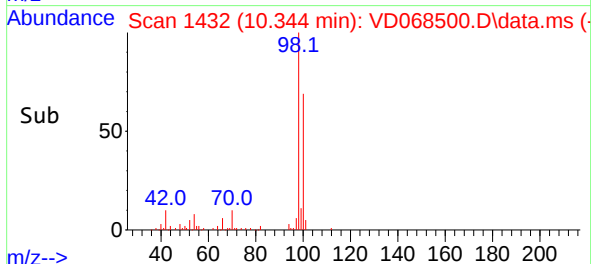
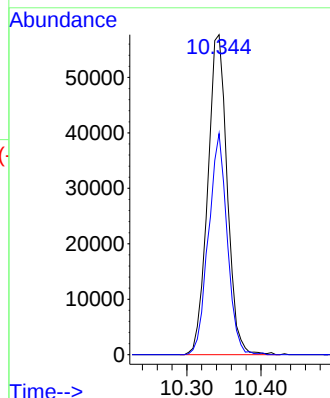
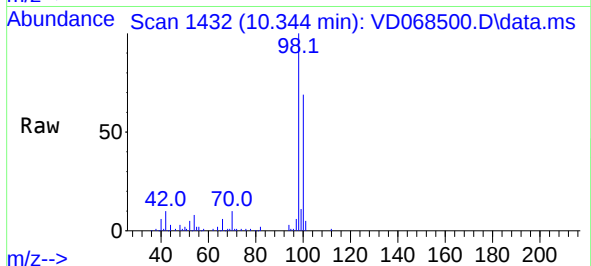




#50
Toluene-d8
Concen: 50.25 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

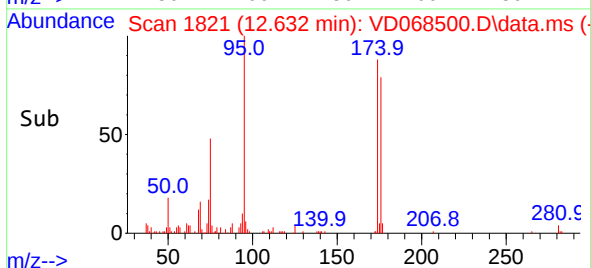
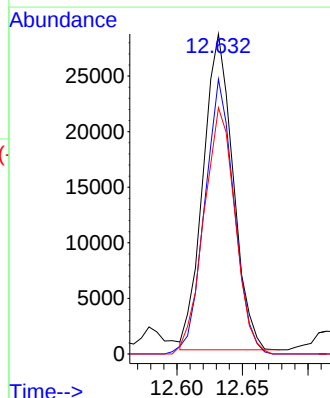
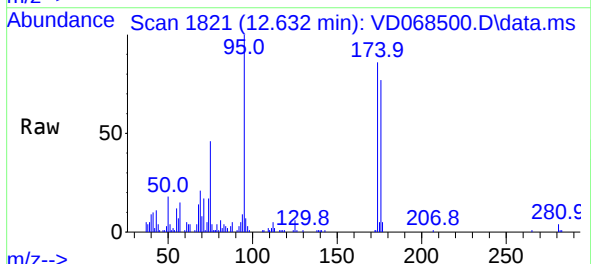
Instrument :
MSVOA_D
ClientSampleId :
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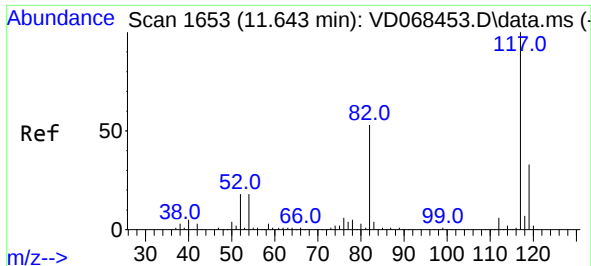
Tgt Ion: 98 Resp: 105297
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 66.94 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Tgt Ion: 95 Resp: 45206
Ion Ratio Lower Upper
95 100
174 85.1 0.0 172.4
176 81.3 0.0 168.4

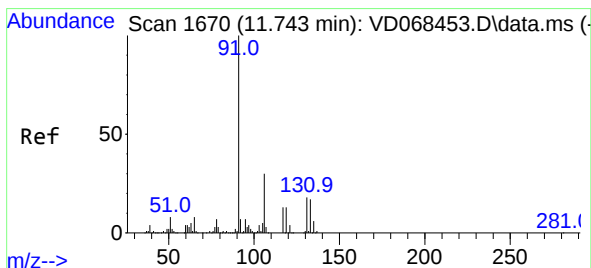
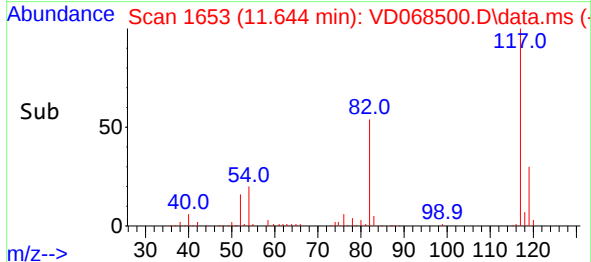
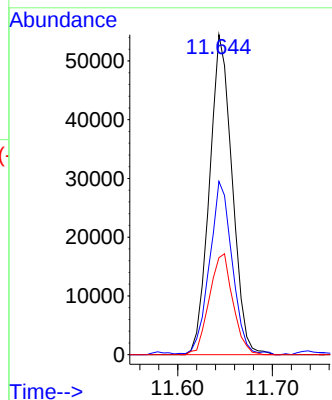
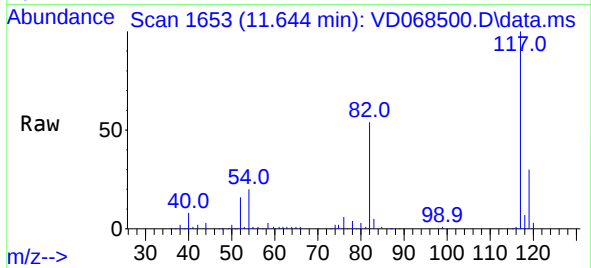




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

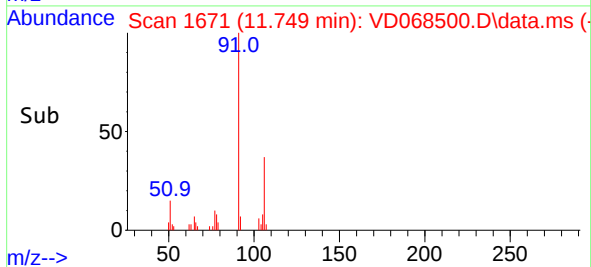
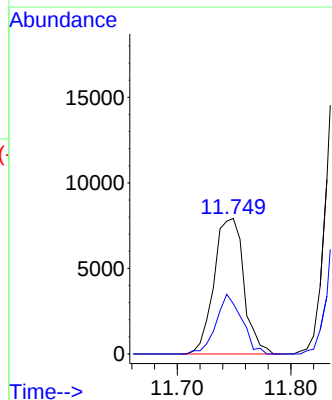
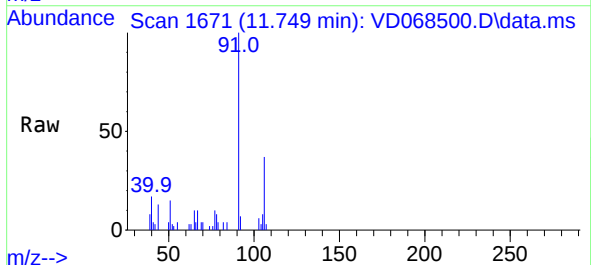
Instrument :
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ClientSampleId :
PR-01-030221

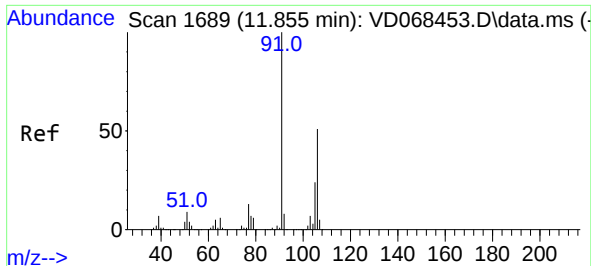
Tgt Ion:117 Resp: 90796
Ion Ratio Lower Upper
117 100
82 54.2 41.4 62.0
119 30.3 26.1 39.1



#67
Ethyl Benzene
Concen: 4.37 ug/l
RT: 11.749 min Scan# 1671
Delta R.T. 0.006 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Tgt Ion: 91 Resp: 14413
Ion Ratio Lower Upper
91 100
106 37.1 25.9 38.9

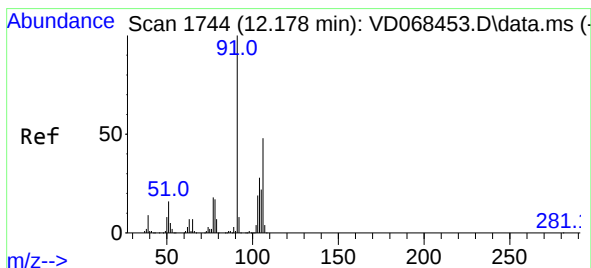
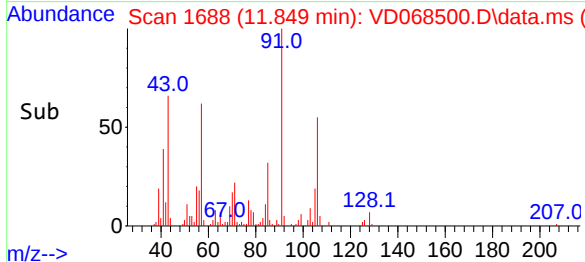
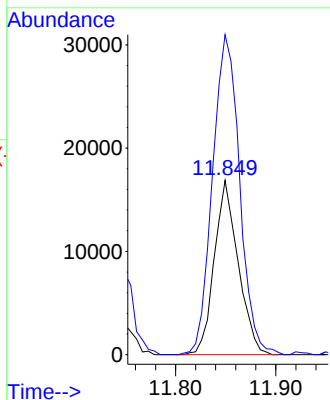
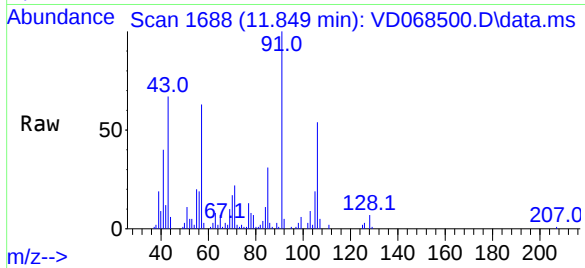




#68
m/p-Xylenes
Concen: 22.25 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

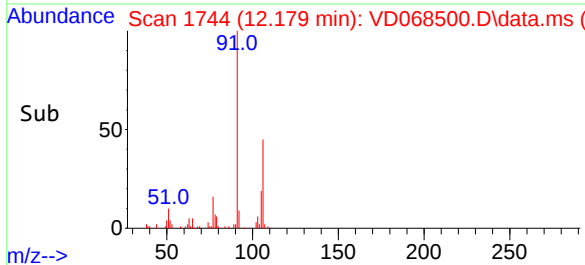
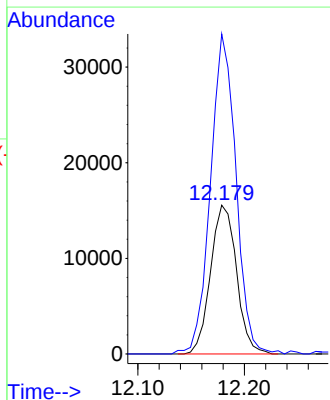
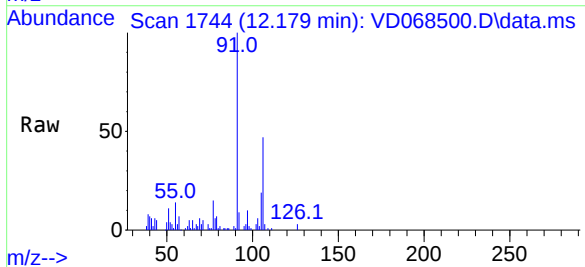
Instrument :
MSVOA_D
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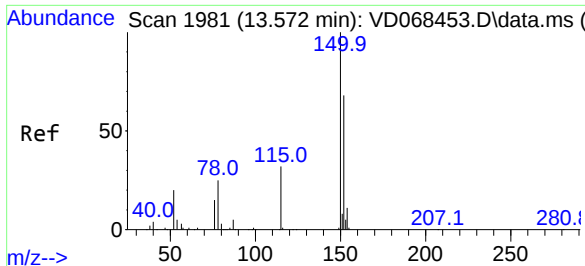
Tgt Ion:106 Resp: 27887
Ion Ratio Lower Upper
106 100
91 208.3 159.1 238.7



#69
o-Xylene
Concen: 22.81 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Tgt Ion:106 Resp: 26339
Ion Ratio Lower Upper
106 100
91 211.0 108.7 325.9

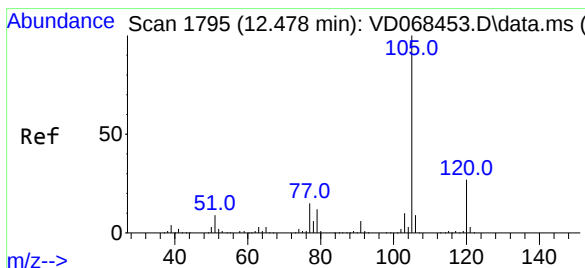
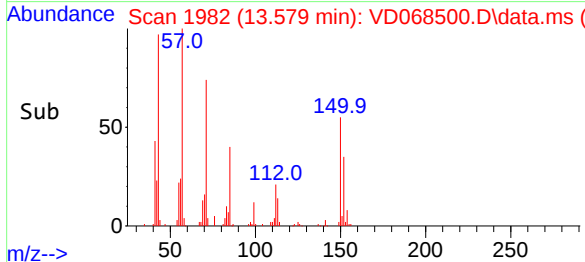
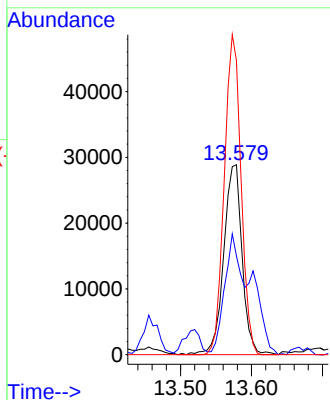
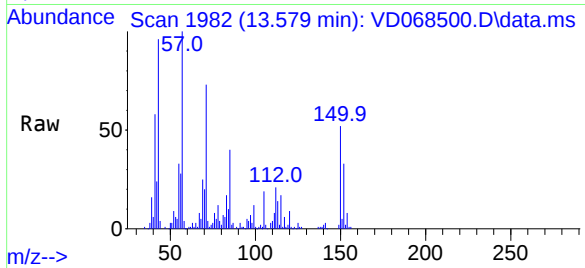




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.007 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

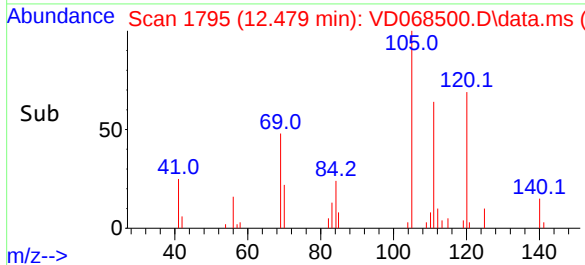
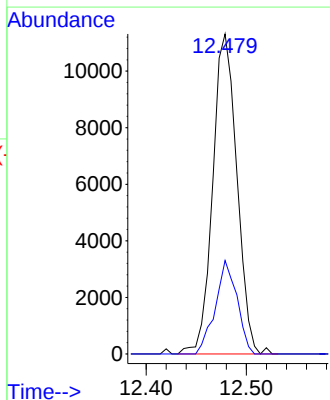
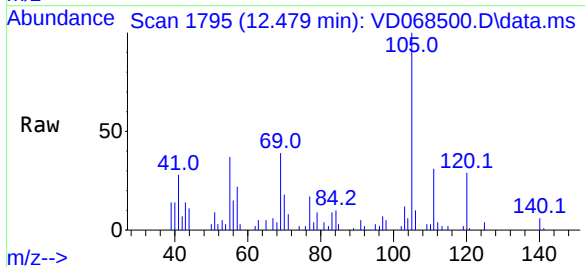
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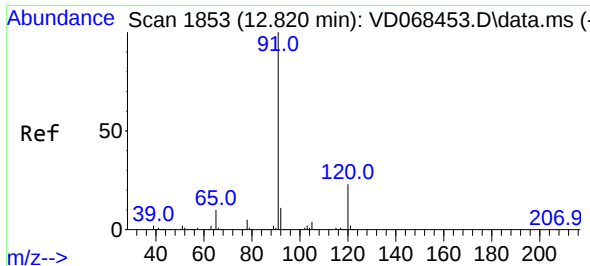
Tgt Ion:152 Resp: 51981
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.8
150 152.9 0.0 344.4



#73
Isopropylbenzene
Concen: 4.91 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

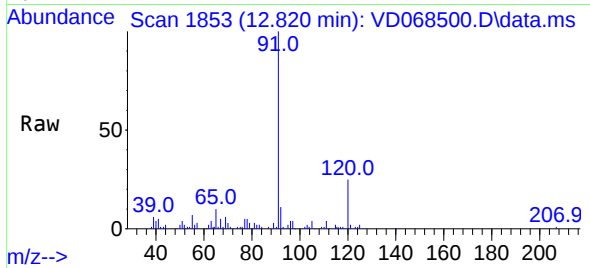
Tgt Ion:105 Resp: 18948
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6



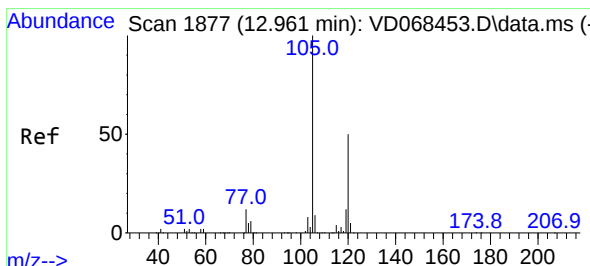
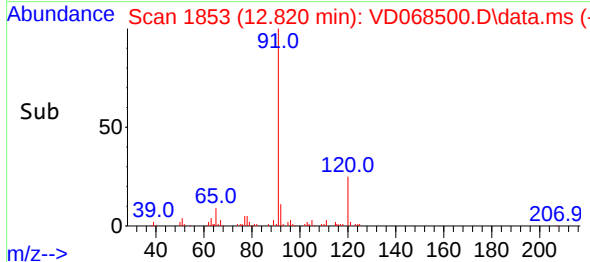
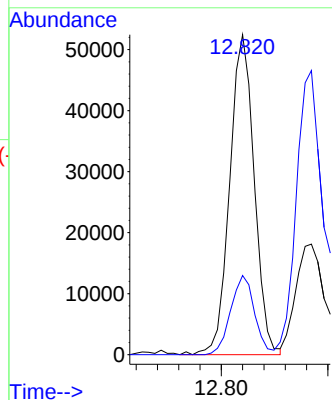


#78
n-propylbenzene
Concen: 18.19 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Instrument :
MSVOA_D
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PR-01-030221

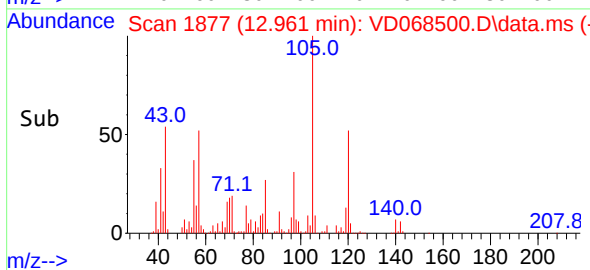
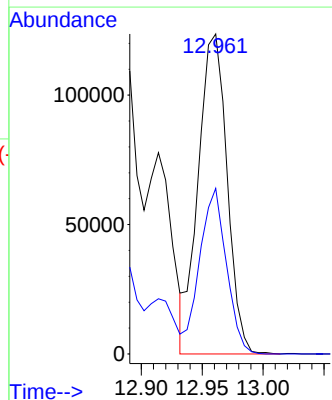
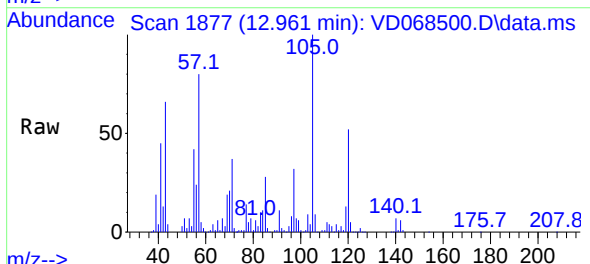


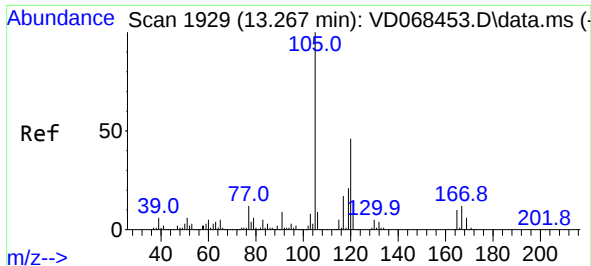
Tgt Ion: 91 Resp: 83784
Ion Ratio Lower Upper
91 100
120 24.1 12.0 36.0



#80
1,3,5-Trimethylbenzene
Concen: 64.32 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Tgt Ion: 105 Resp: 203248
Ion Ratio Lower Upper
105 100
120 48.2 24.2 72.6

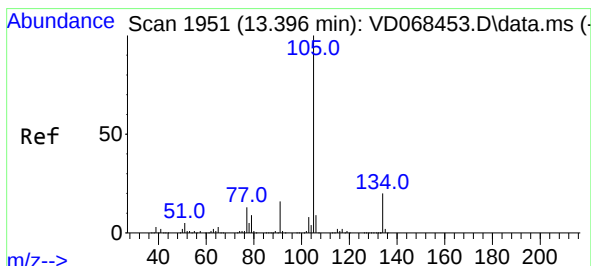
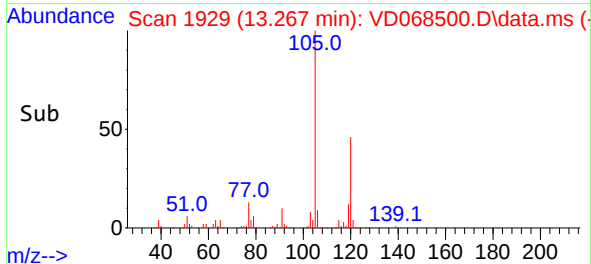
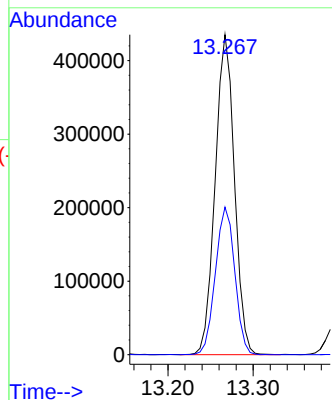
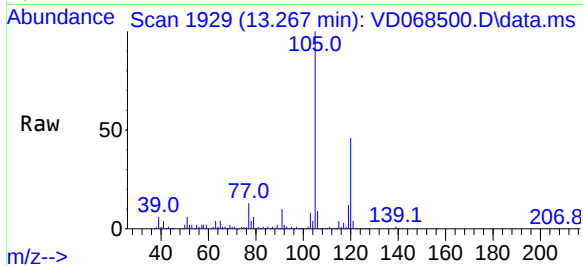




#84
1,2,4-Trimethylbenzene
Concen: 215.89 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

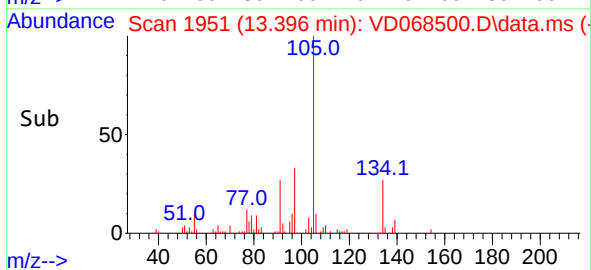
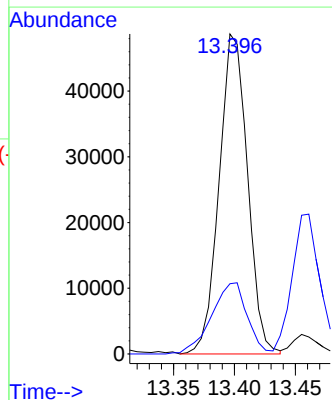
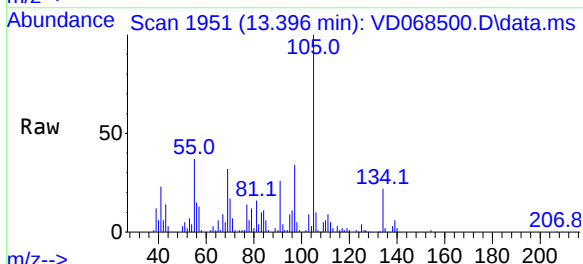
Instrument :
MSVOA_D
ClientSampled :
PR-01-030221

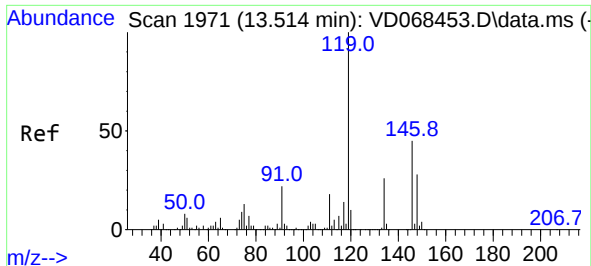
Tgt Ion:105 Resp: 683184
Ion Ratio Lower Upper
105 100
120 46.4 22.4 67.0



#85
sec-Butylbenzene
Concen: 20.79 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Tgt Ion:105 Resp: 79017
Ion Ratio Lower Upper
105 100
134 28.0 10.3 30.9



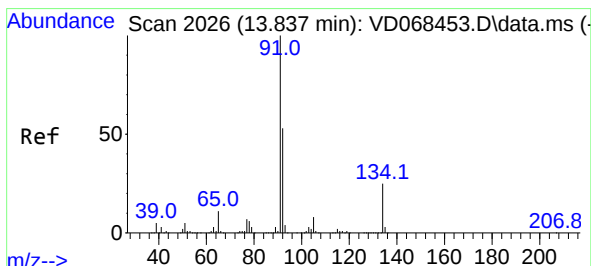
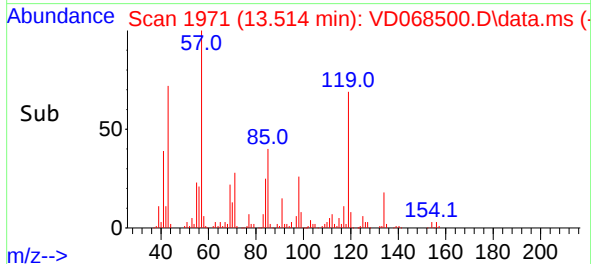
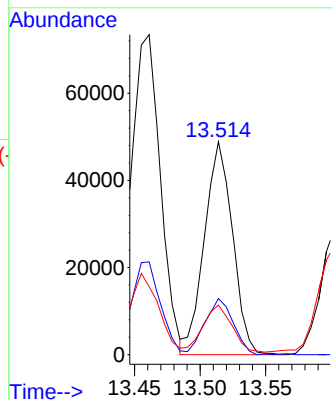
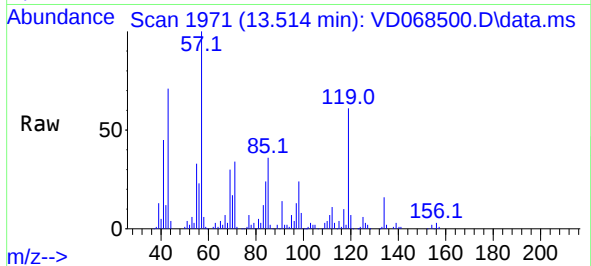


#86
p-Isopropyltoluene
Concen: 21.20 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Instrument :
MSVOA_D
ClientSampleId :
PR-01-030221

Tgt Ion:119 Resp: 73122

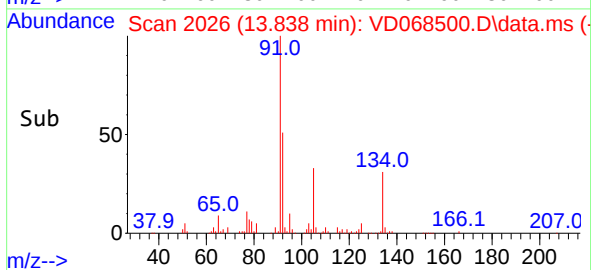
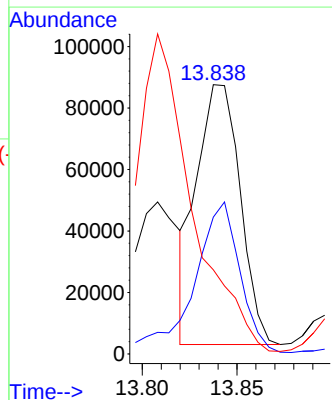
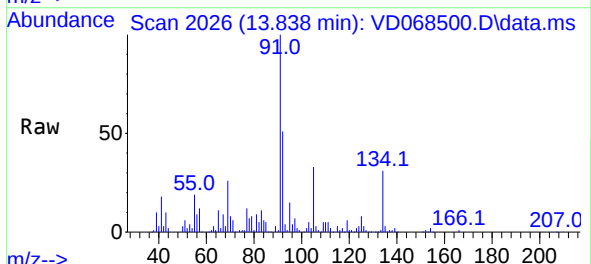
Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.7
91	22.4	11.7	35.0

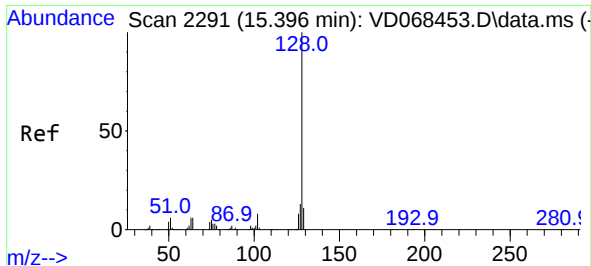


#89
n-Butylbenzene
Concen: 40.60 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Tgt Ion: 91 Resp: 135088

Ion	Ratio	Lower	Upper
91	100		
92	61.2	27.2	81.6
134	0.0	13.9	41.7#





#95
Naphthalene
Concen: 84.03 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068500.D
Acq: 02 Mar 2021 17:06

Instrument :
MSVOA_D
ClientSampleId :
PR-01-030221

Tgt Ion:128 Resp: 171279
Ion Ratio Lower Upper
128 100
127 9.8 10.2 15.2#
129 8.7 8.8 13.2#

