

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030321\
 Data File : VD068511.D
 Acq On : 03 Mar 2021 14:25
 Operator : VA/SY
 Sample : M1540-01
 Misc : 5.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PR-01-030221

Quant Time: Mar 04 00:03:43 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)

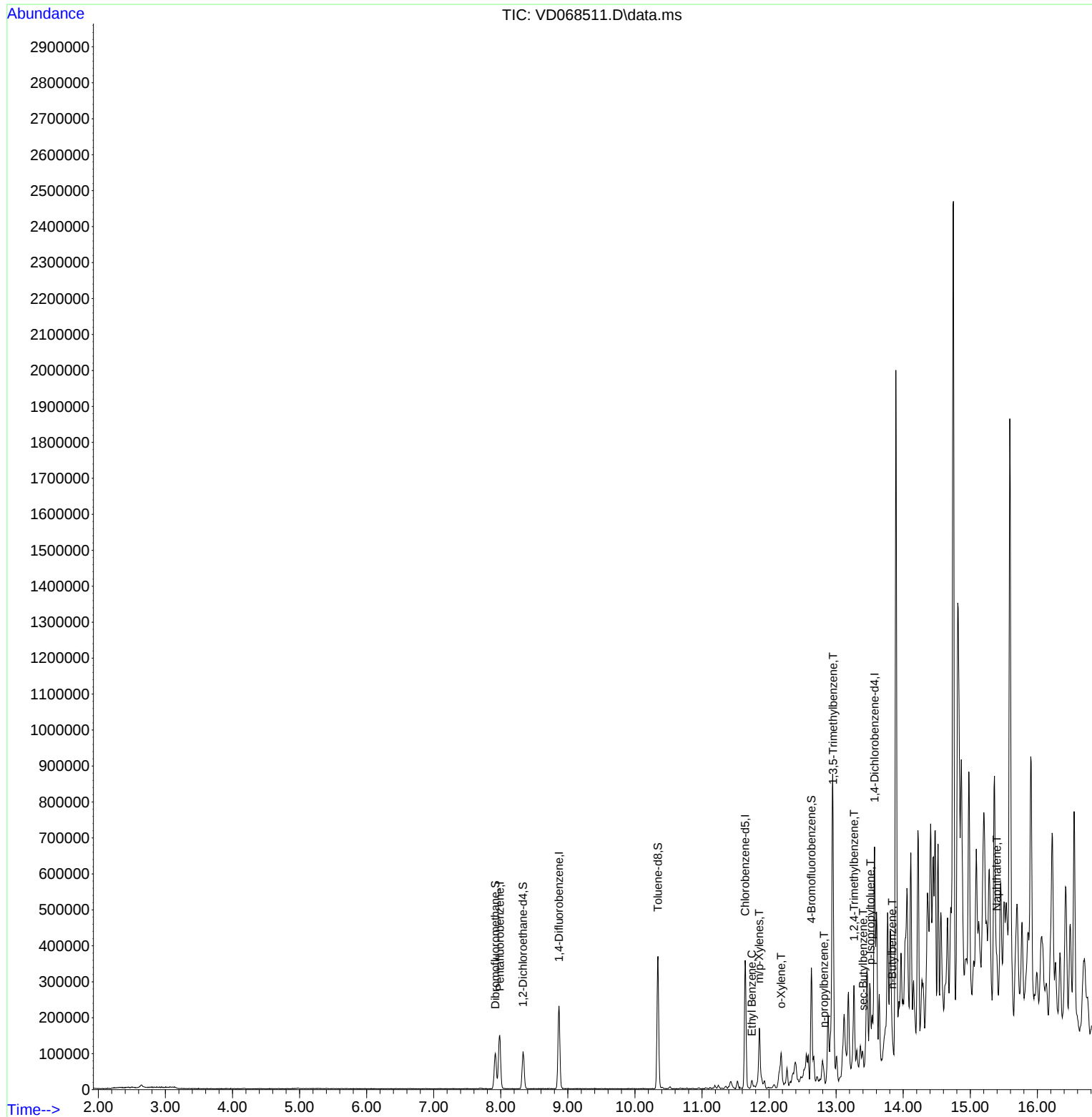
Internal Standards						
1) Pentafluorobenzene	7.985	168	115769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	205455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	215508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	110566	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	80522	69.61	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.22%			
35) Dibromofluoromethane	7.920	113	72109	58.26	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.52%			
50) Toluene-d8	10.344	98	259279	52.59	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.18%			
62) 4-Bromofluorobenzene	12.632	95	103290	65.01	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 130.02%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.744	91	15374	1.96	ug/l	98
68) m/p-Xylenes	11.855	106	13987	4.70	ug/l	99
69) o-Xylene	12.179	106	23558	8.60	ug/l	93
78) n-propylbenzene	12.820	91	20554	2.10	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	114536	17.04	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	138164	20.53	ug/l	98
85) sec-Butylbenzene	13.402	105	19765	2.45	ug/l	90
86) p-Isopropyltoluene	13.514	119	35998	4.91	ug/l	98
89) n-Butylbenzene	13.838	91	24038	3.40	ug/l #	68
95) Naphthalene	15.396	128	61192	14.11	ug/l #	95

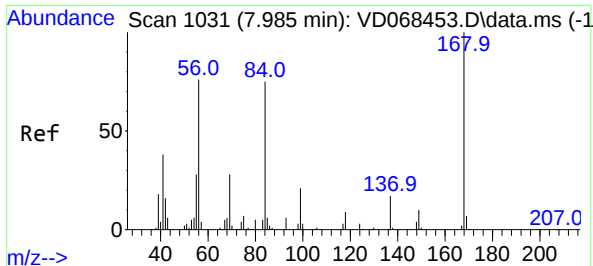
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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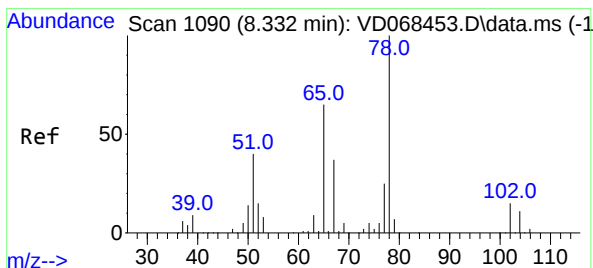
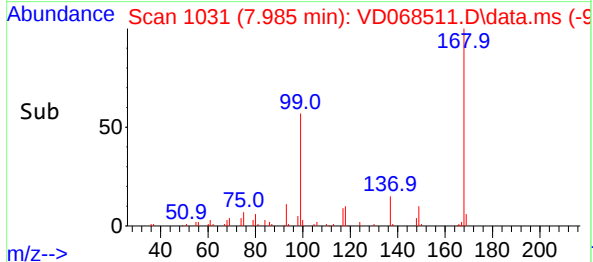
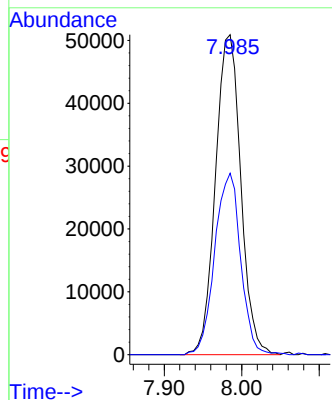
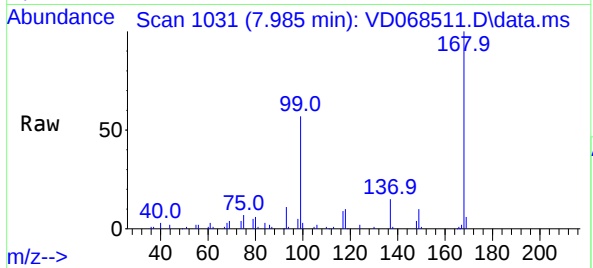




Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

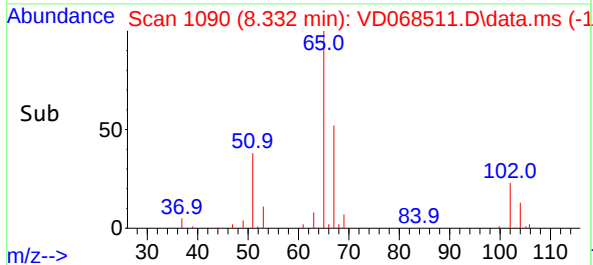
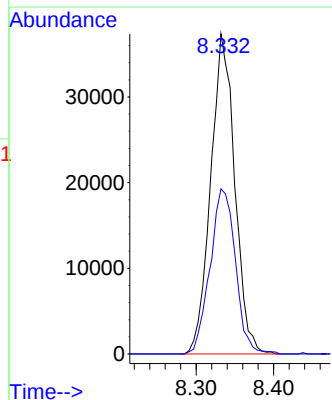
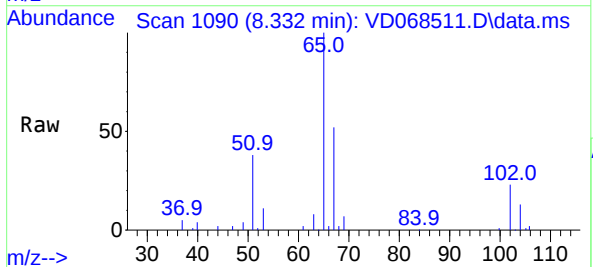
Instrument :
MSVOA_D
ClientSampleId :
PR-01-030221

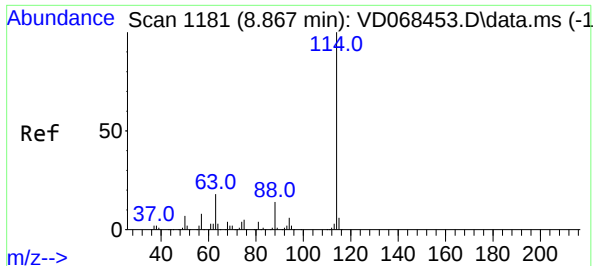
Tgt Ion:168 Resp: 115769
Ion Ratio Lower Upper
168 100
99 56.7 43.5 65.3



1,2-Dichloroethane-d4
Concen: 69.61 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

Tgt Ion: 65 Resp: 80522
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.0



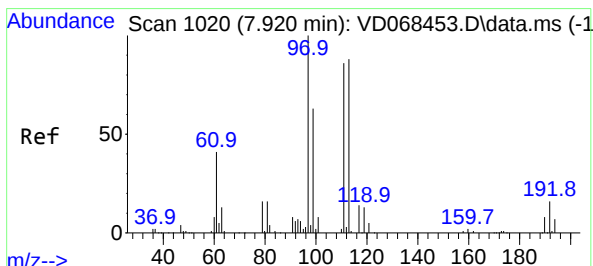
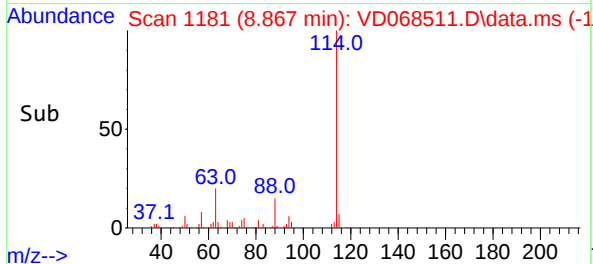
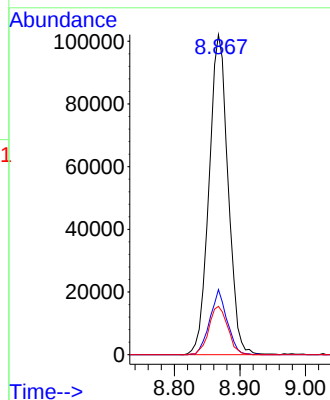
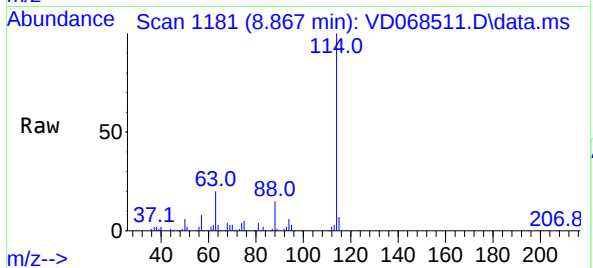


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
PR-01-030221

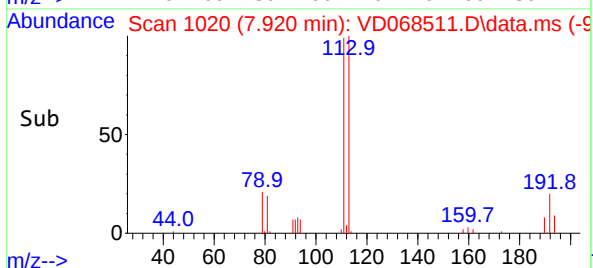
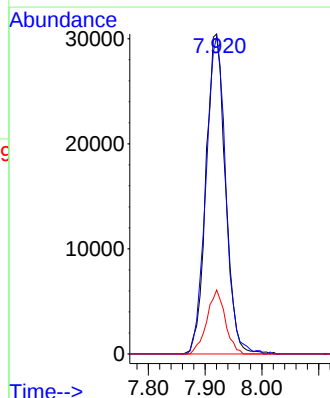
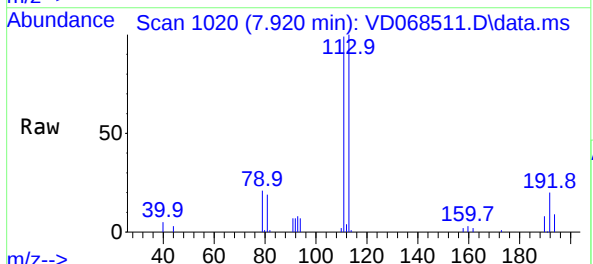
Tgt Ion:	114	Resp:	205455
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	34.8
88	15.1	0.0	31.6

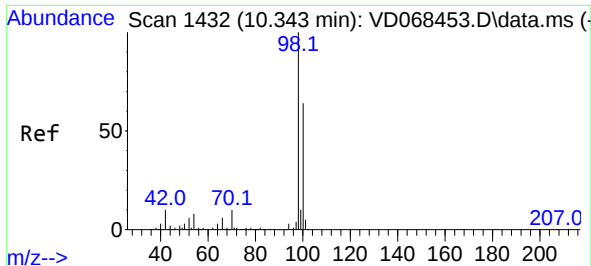


#35

Dibromofluoromethane
Concen: 58.26 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

Tgt Ion:	113	Resp:	72109
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.4	122.0
192	18.9	16.1	24.1

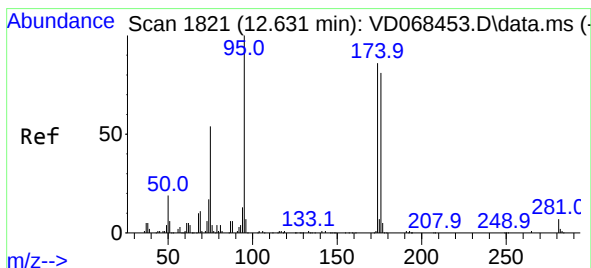
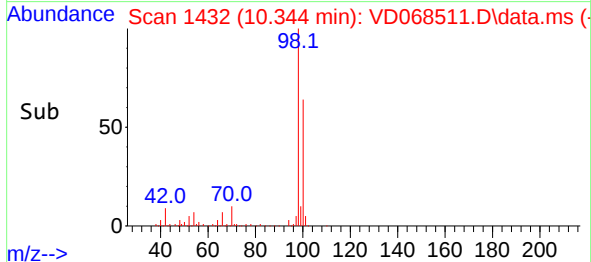
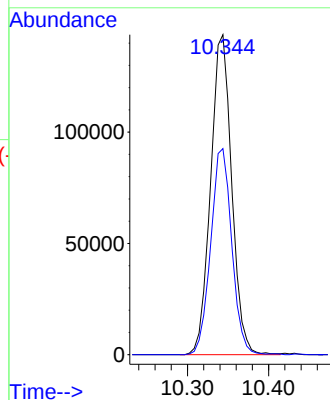
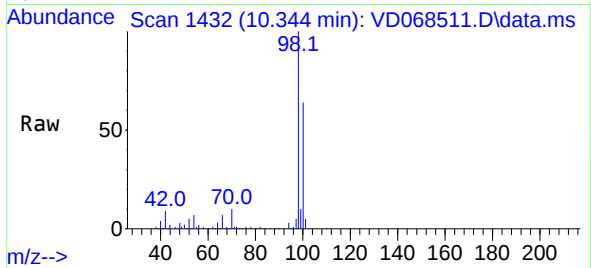




#50
Toluene-d8
Concen: 52.59 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

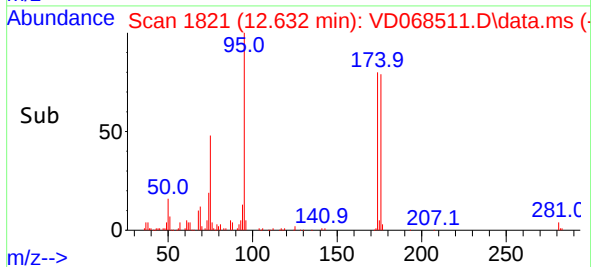
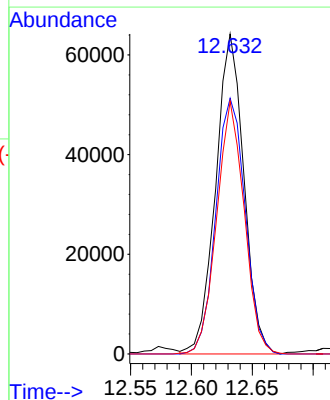
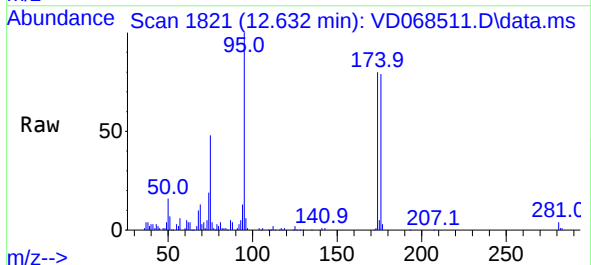
Instrument :
MSVOA_D
ClientSampleId :
PR-01-030221

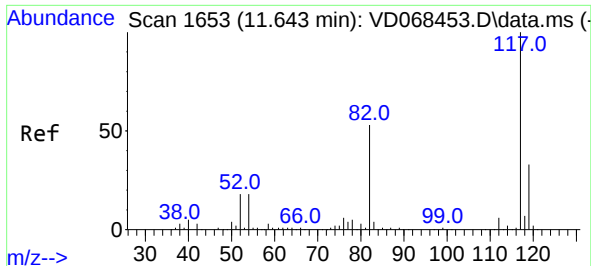
Tgt Ion: 98 Resp: 259279
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 65.01 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

Tgt Ion: 95 Resp: 103290
Ion Ratio Lower Upper
95 100
174 83.1 0.0 172.4
176 77.1 0.0 168.4

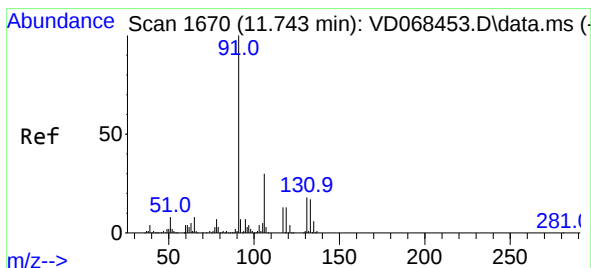
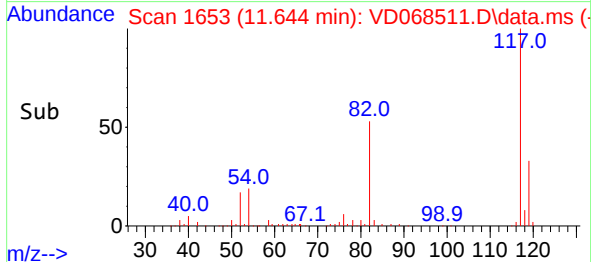
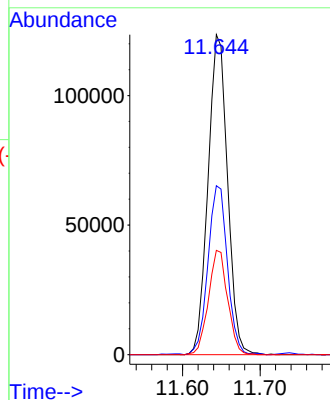
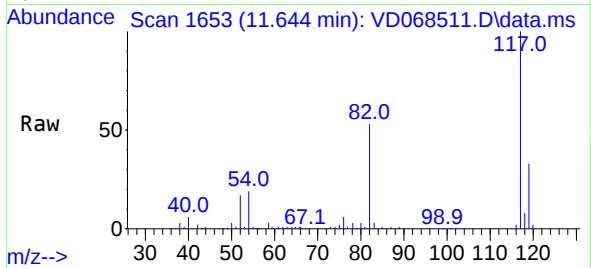




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

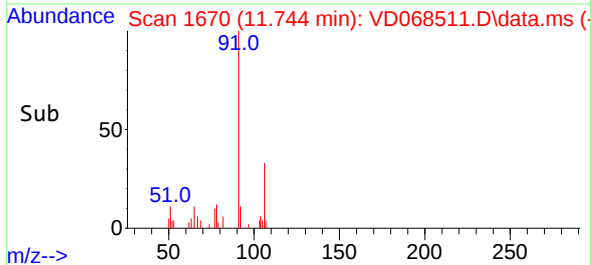
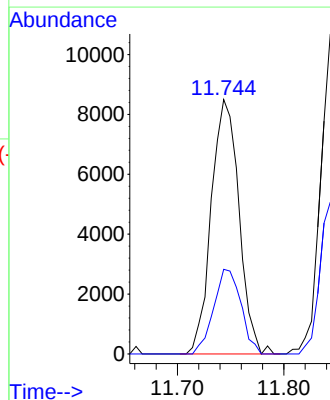
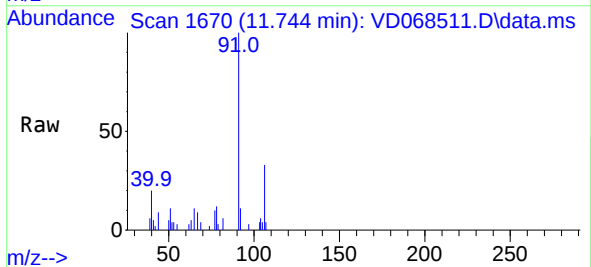
Instrument :
MSVOA_D
ClientSampleId :
PR-01-030221

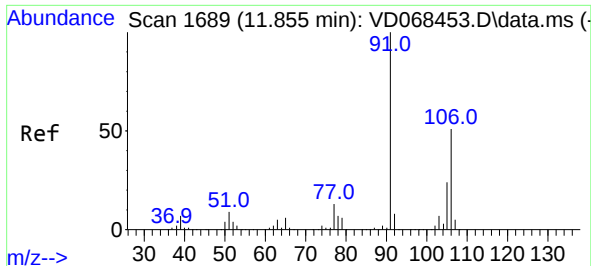
Tgt Ion:117 Resp: 215508
Ion Ratio Lower Upper
117 100
82 52.6 41.4 62.0
119 32.6 26.1 39.1



#67
Ethyl Benzene
Concen: 1.96 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

Tgt Ion: 91 Resp: 15374
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9

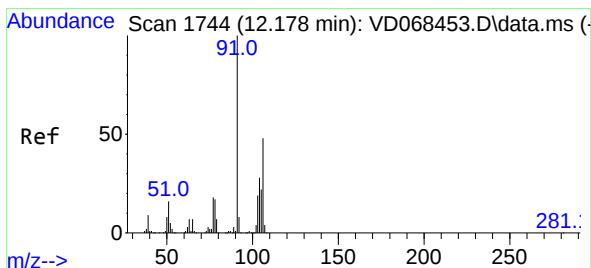
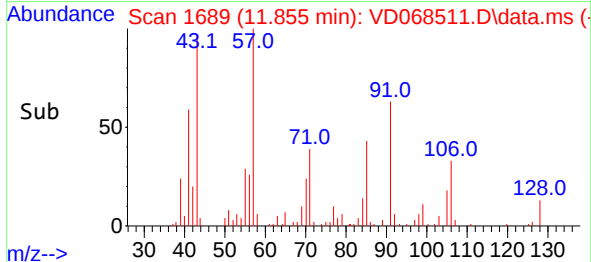
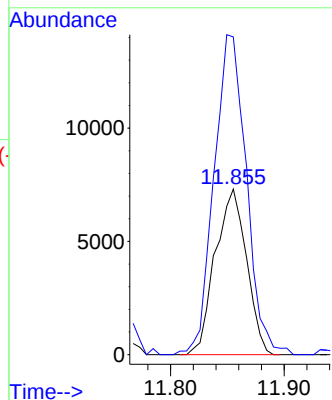
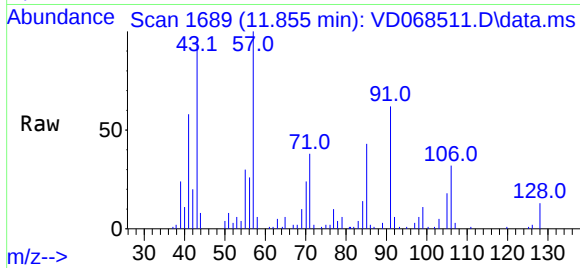




#68
m/p-Xylenes
Concen: 4.70 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

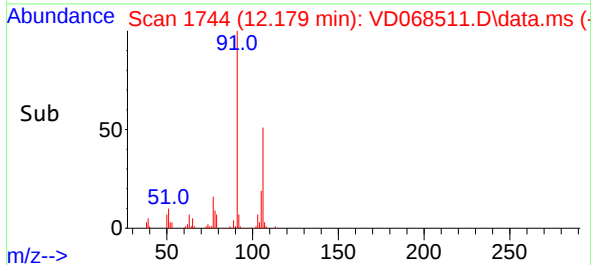
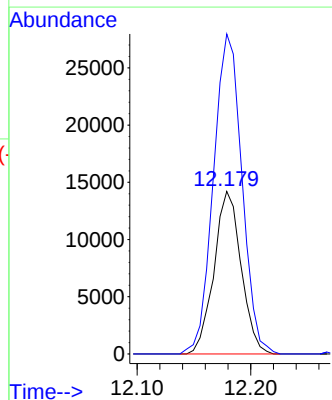
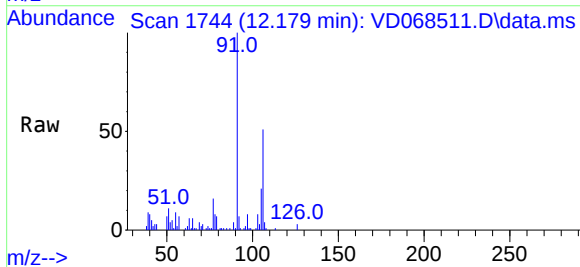
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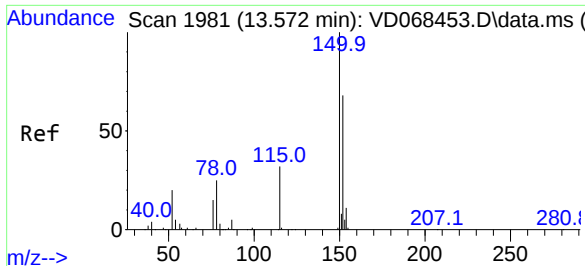
Tgt Ion:106 Resp: 13987
Ion Ratio Lower Upper
106 100
91 199.9 159.1 238.7



#69
o-Xylene
Concen: 8.60 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

Tgt Ion:106 Resp: 23558
Ion Ratio Lower Upper
106 100
91 206.8 108.7 325.9

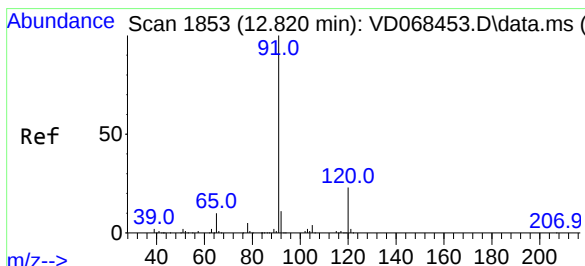
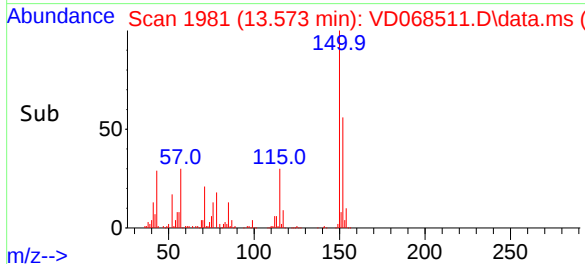
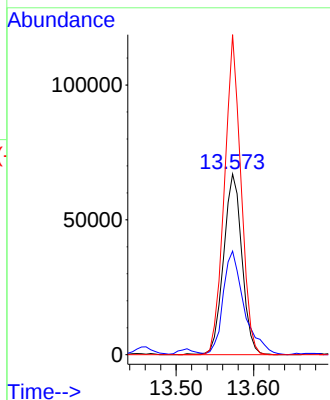
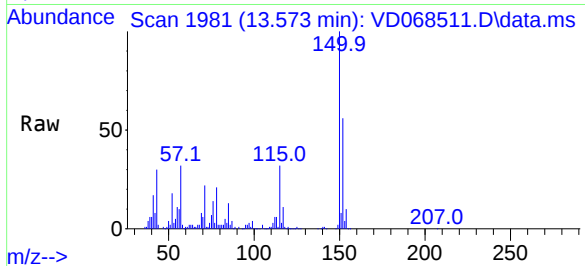




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

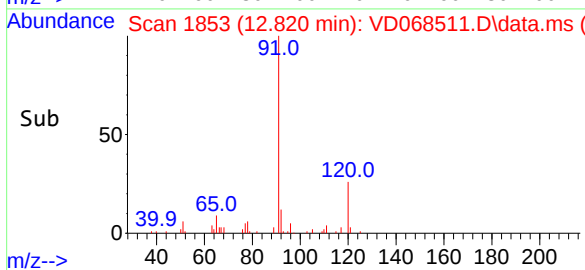
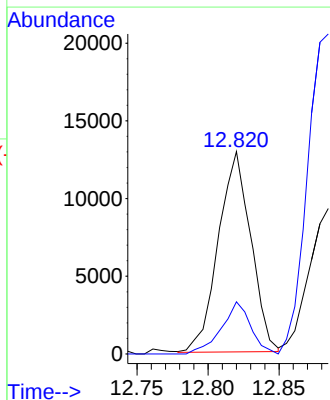
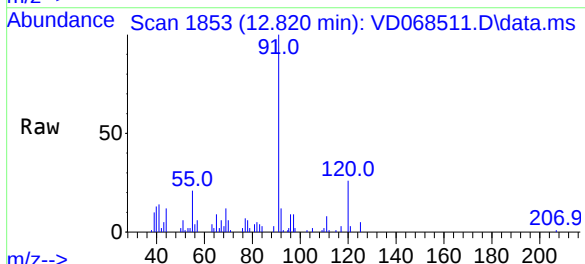
Instrument :
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PR-01-030221

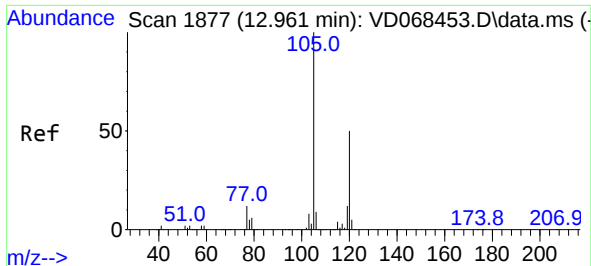
Tgt Ion:152 Resp: 110566
Ion Ratio Lower Upper
152 100
115 65.6 28.9 86.8
150 159.7 0.0 344.4



#78
n-propylbenzene
Concen: 2.10 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

Tgt Ion: 91 Resp: 20554
Ion Ratio Lower Upper
91 100
120 23.4 12.0 36.0

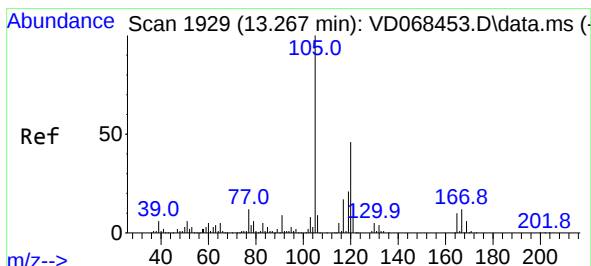
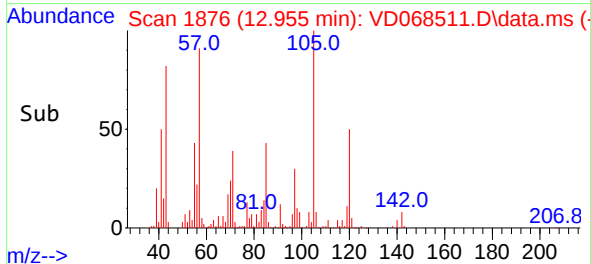
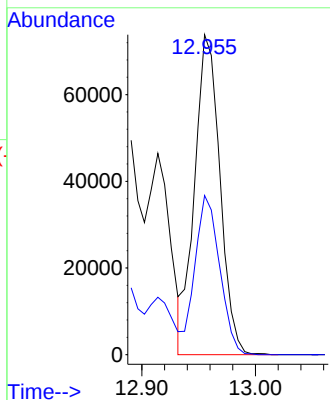
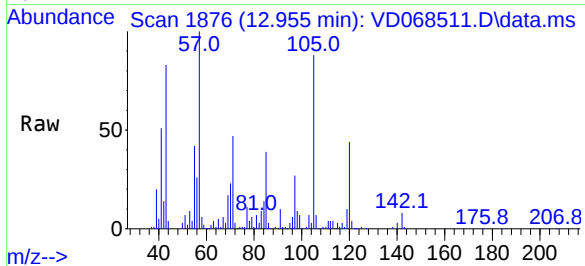




#80
1,3,5-Trimethylbenzene
Concen: 17.04 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

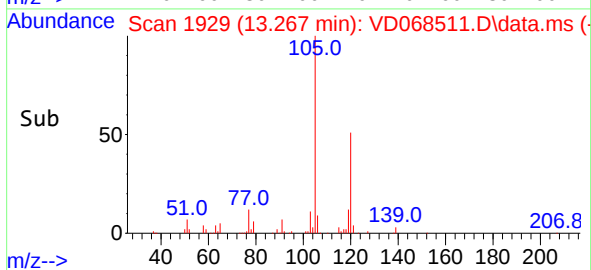
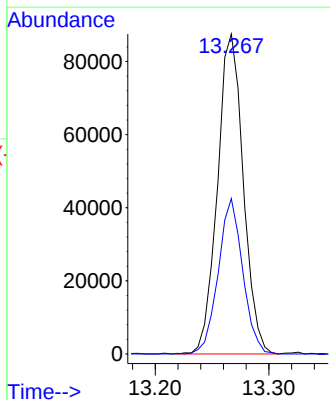
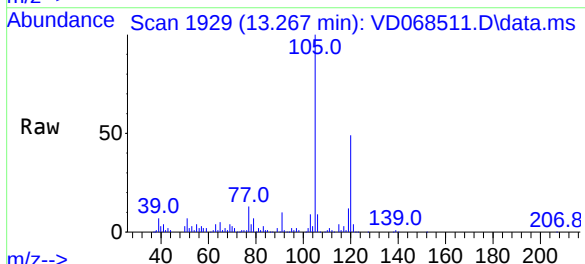
Instrument :
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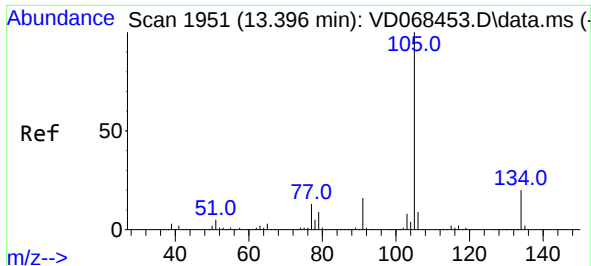
Tgt Ion:105 Resp: 114536
Ion Ratio Lower Upper
105 100
120 49.0 24.2 72.6



#84
1,2,4-Trimethylbenzene
Concen: 20.53 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

Tgt Ion:105 Resp: 138164
Ion Ratio Lower Upper
105 100
120 46.1 22.4 67.0

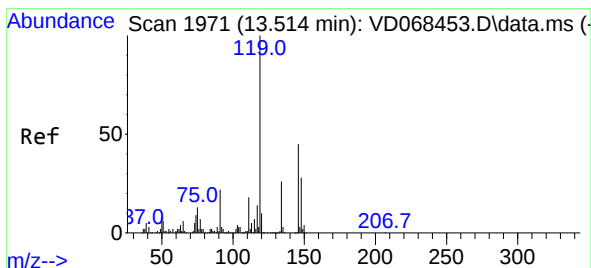
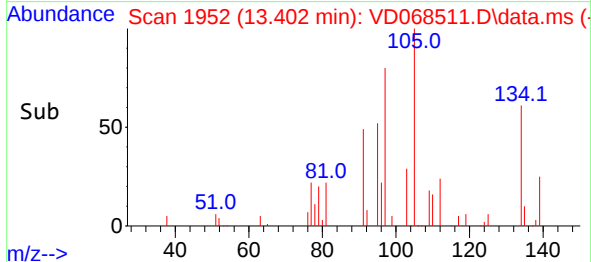
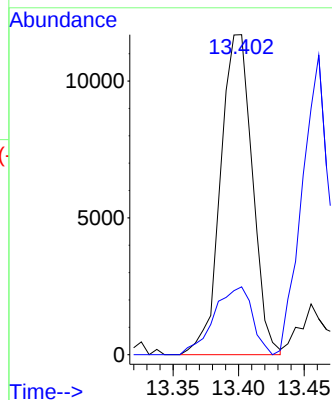
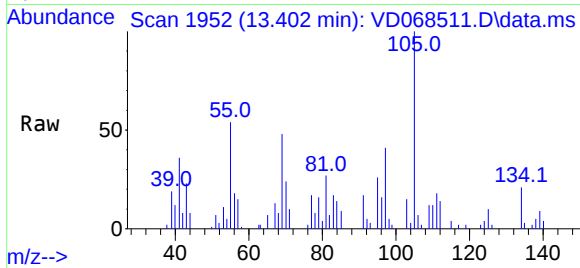




#85
 sec-Butylbenzene
 Concen: 2.45 ug/l
 RT: 13.402 min Scan# 1952
 Delta R.T. 0.006 min
 Lab File: VD068511.D
 Acq: 03 Mar 2021 14:25

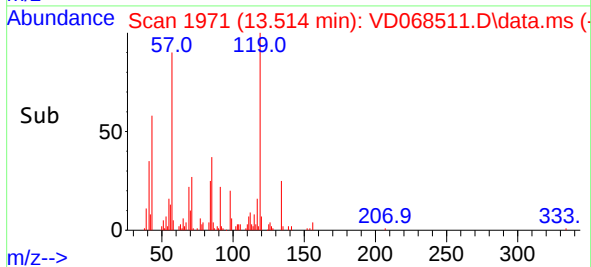
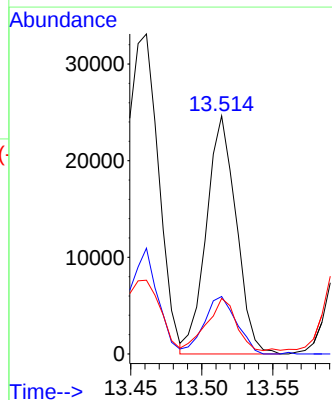
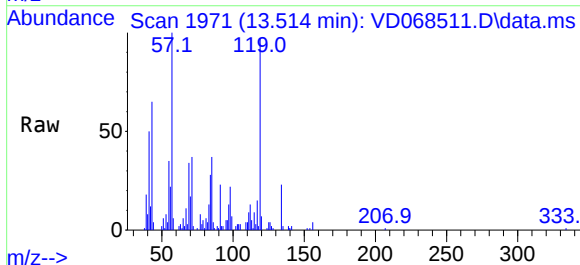
Instrument :
 MSVOA_D
 ClientSampleId :
 PR-01-030221

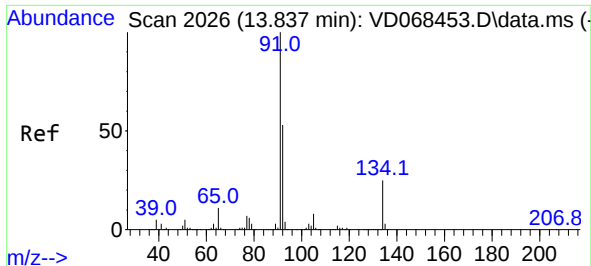
Tgt Ion:105 Resp: 19765
 Ion Ratio Lower Upper
 105 100
 134 25.5 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 4.91 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. 0.000 min
 Lab File: VD068511.D
 Acq: 03 Mar 2021 14:25

Tgt Ion:119 Resp: 35998
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.7
 91 21.3 11.7 35.0

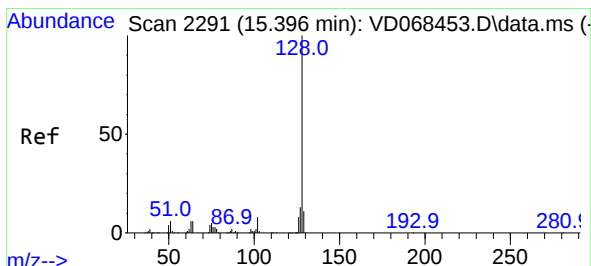
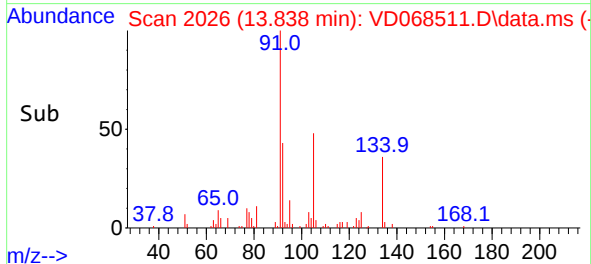
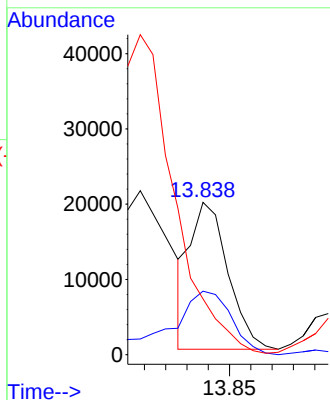
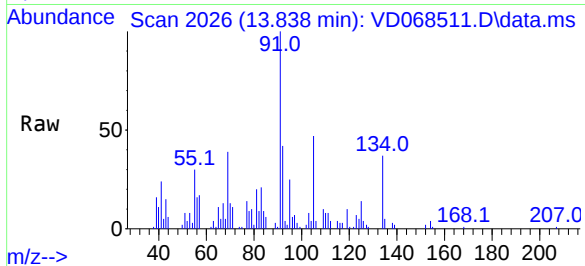




#89
n-Butylbenzene
Concen: 3.40 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
PR-01-030221

Tgt Ion: 91 Resp: 24038
Ion Ratio Lower Upper
91 100
92 69.2 27.2 81.6
134 0.0 13.9 41.7#



#95
Naphthalene
Concen: 14.11 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068511.D
Acq: 03 Mar 2021 14:25

Tgt Ion:128 Resp: 61192
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 7.2 8.8 13.2#

