

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021622\
 Data File : VD071994.D
 Acq On : 16 Feb 2022 16:26
 Operator : VA/SY
 Sample : N1518-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-021122

Quant Time: Feb 16 16:52:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

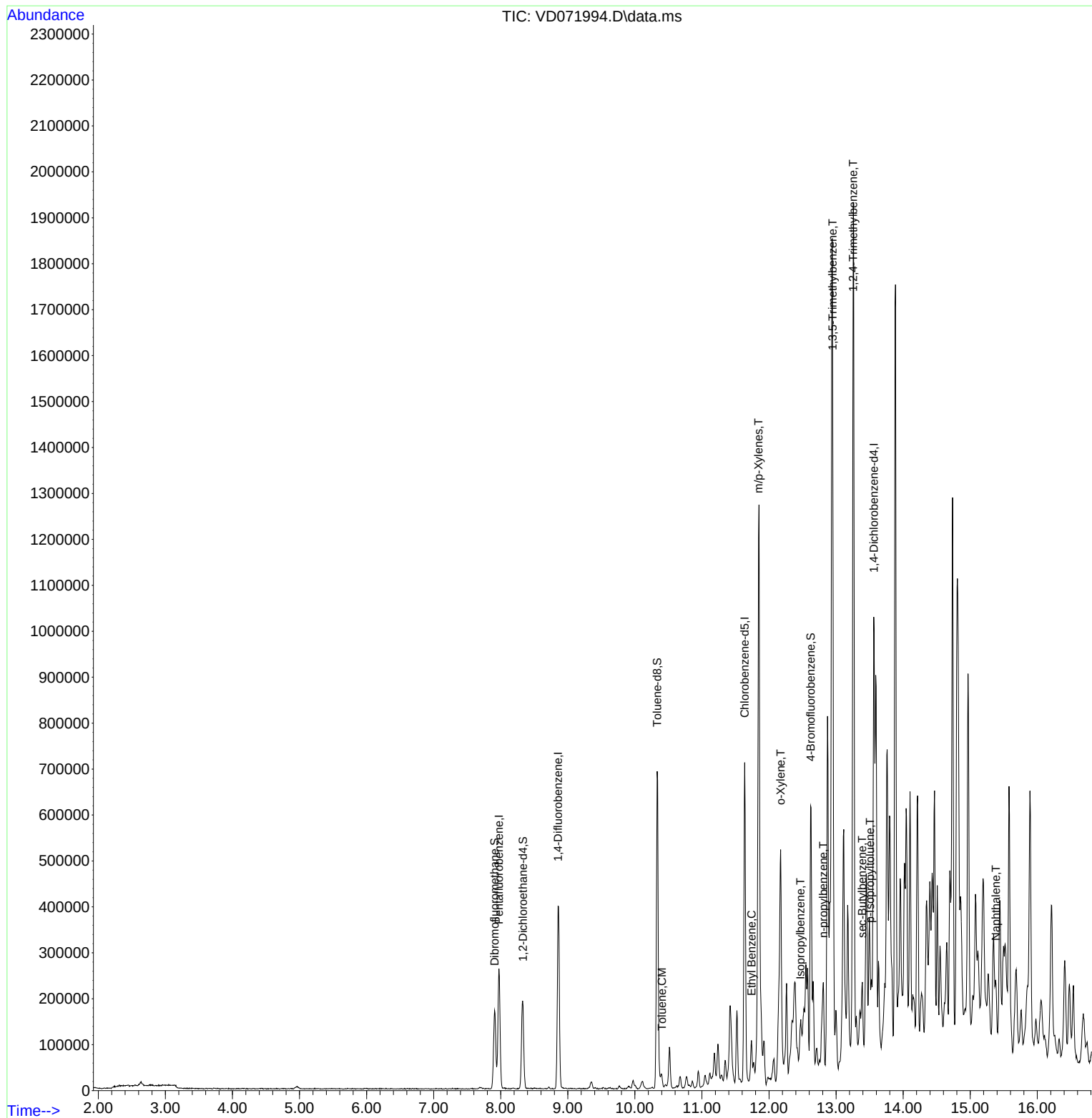
Internal Standards						
1) Pentafluorobenzene	7.973	168	171902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	322130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	362542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	179338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	158743	73.061	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.120%			
35) Dibromofluoromethane	7.909	113	119940	56.644	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.280%			
50) Toluene-d8	10.332	98	426469	53.929	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.860%			
62) 4-Bromofluorobenzene	12.620	95	176204	63.806	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 127.620%			
Target Compounds						Qvalue
52) Toluene	10.403	92	10569	1.733	ug/l	83
67) Ethyl Benzene	11.738	91	52875	3.747	ug/l	97
68) m/p-Xylenes	11.844	106	157930	29.421	ug/l	96
69) o-Xylene	12.173	106	111931	22.945	ug/l	98
73) Isopropylbenzene	12.467	105	47389	3.412	ug/l	97
78) n-propylbenzene	12.808	91	125225	7.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	311705	27.061	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	987863	87.186	ug/l	100
85) sec-Butylbenzene	13.391	105	75185	5.034	ug/l	87
86) p-Isopropyltoluene	13.508	119	48565	4.001	ug/l	96
95) Naphthalene	15.385	128	72495	12.752	ug/l	97

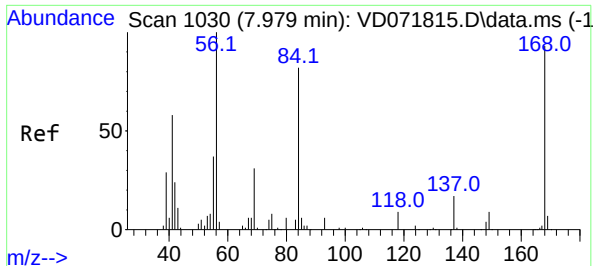
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration

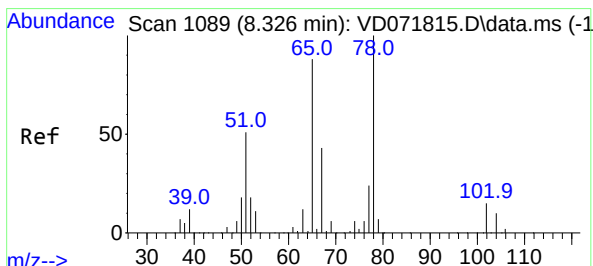
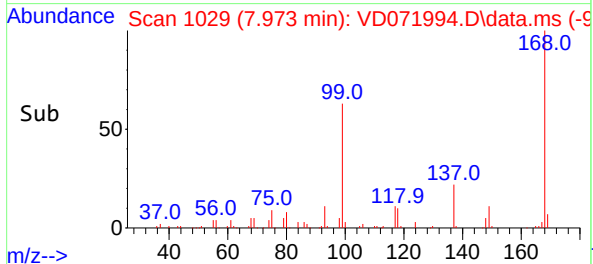
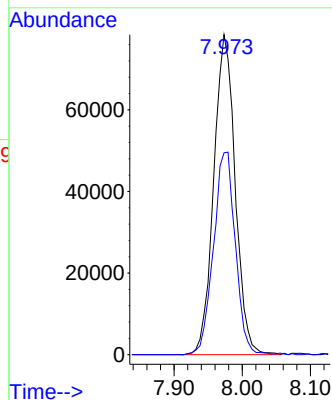
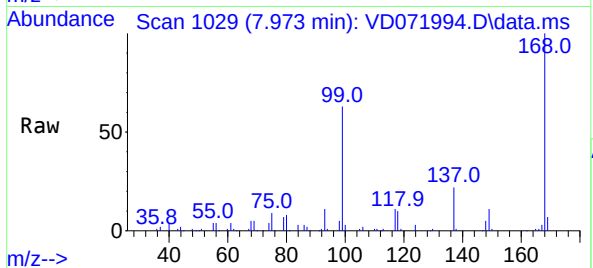




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

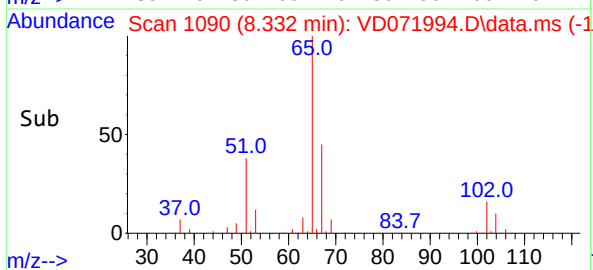
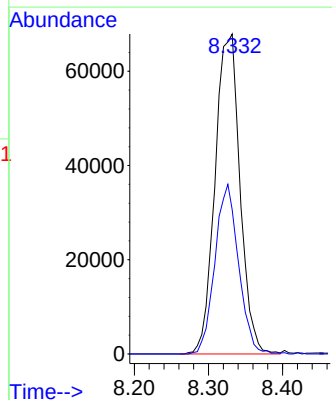
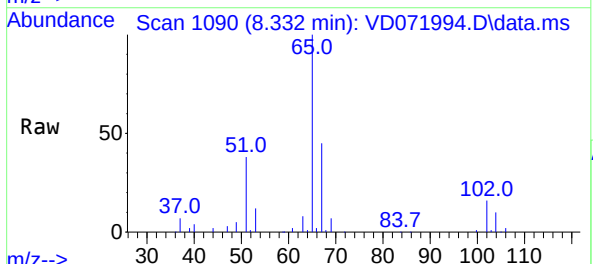
Instrument :
MSVOA_D
ClientSampleId :
OR-02-021122

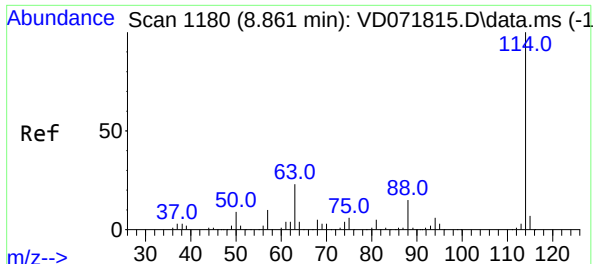
Tgt Ion:168 Resp: 171902
Ion Ratio Lower Upper
168 100
99 63.1 49.8 74.6



#33
1,2-Dichloroethane-d4
Concen: 73.061 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

Tgt Ion: 65 Resp: 158743
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD071994.D

Acq: 16 Feb 2022 16:26

Instrument :

MSVOA_D

ClientSampleId :

OR-02-021122

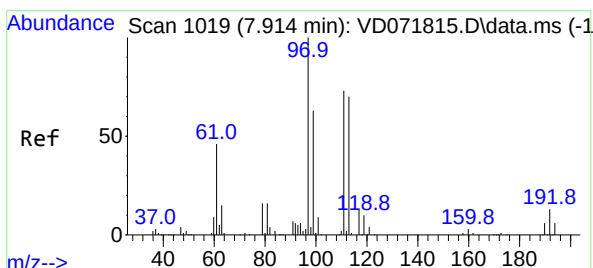
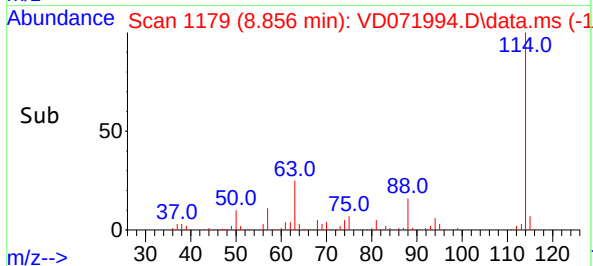
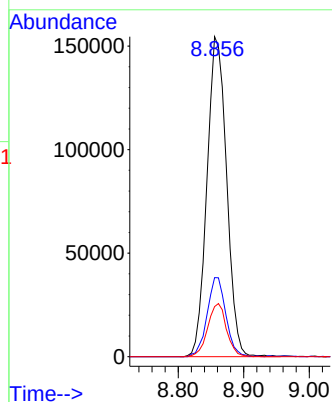
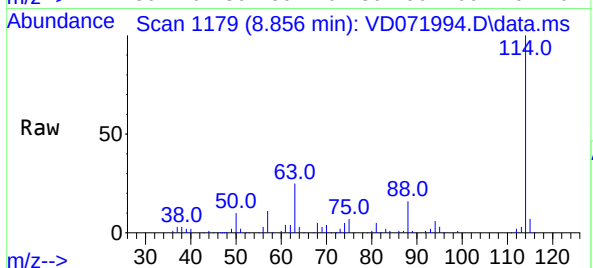
Tgt Ion:114 Resp: 322130

Ion Ratio Lower Upper

114 100

63 24.7 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 56.644 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071994.D

Acq: 16 Feb 2022 16:26

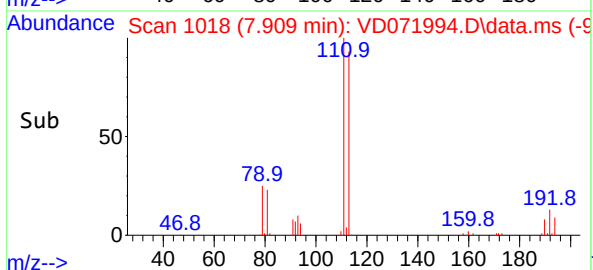
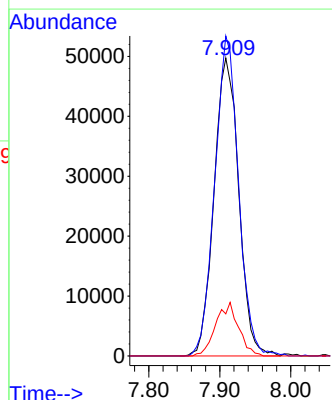
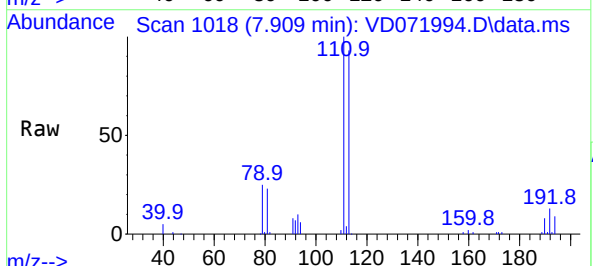
Tgt Ion:113 Resp: 119940

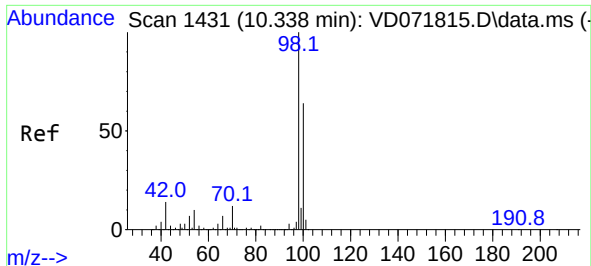
Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 16.6 14.6 21.8

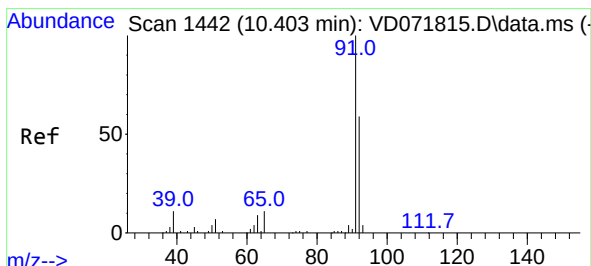
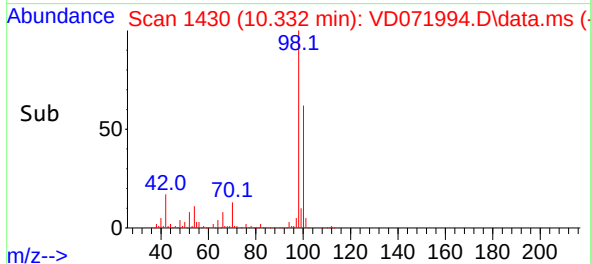
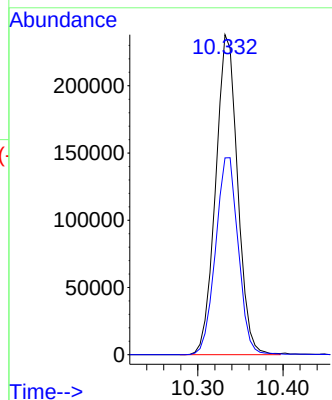
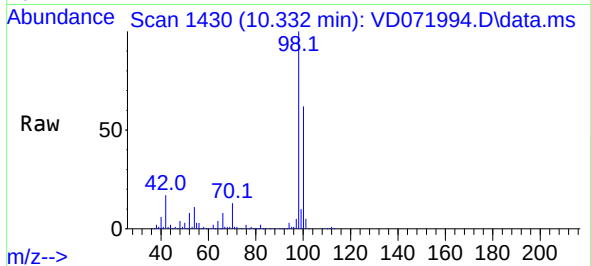




#50
Toluene-d8
Concen: 53.929 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

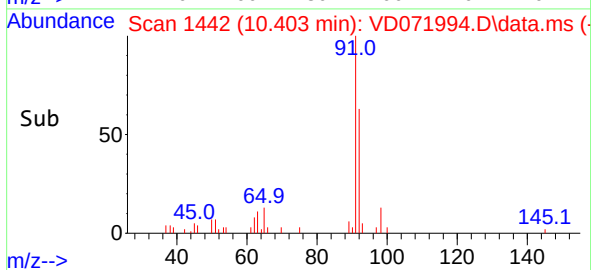
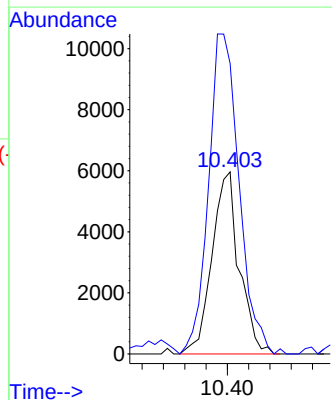
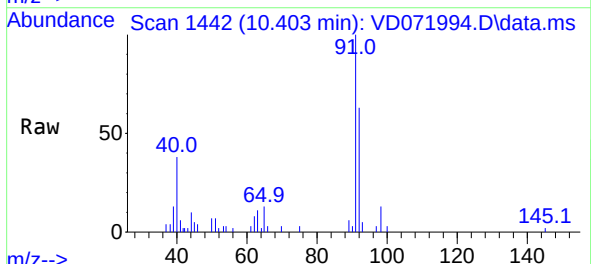
Instrument :
MSVOA_D
ClientSampleId :
OR-02-021122

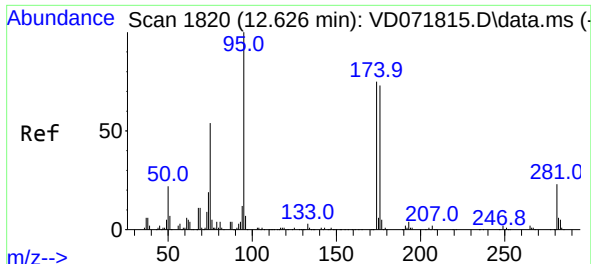
Tgt Ion: 98 Resp: 426469
Ion Ratio Lower Upper
98 100
100 63.7 52.4 78.6



#52
Toluene
Concen: 1.733 ug/l
RT: 10.403 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

Tgt Ion: 92 Resp: 10569
Ion Ratio Lower Upper
92 100
91 197.5 139.6 209.4

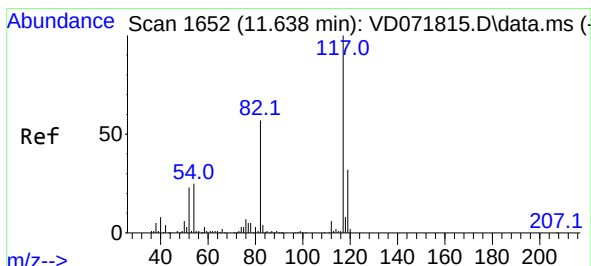
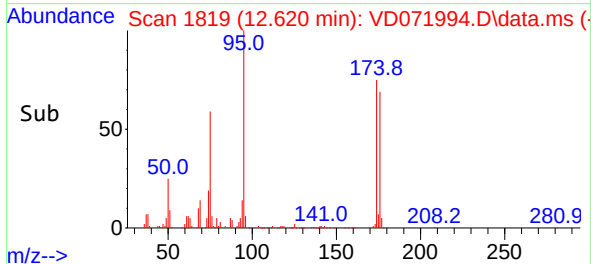
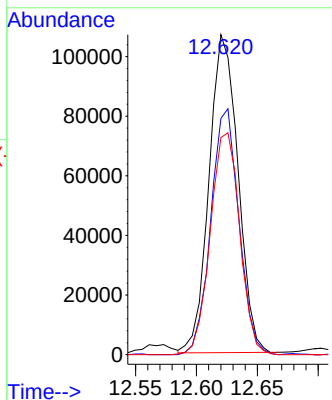
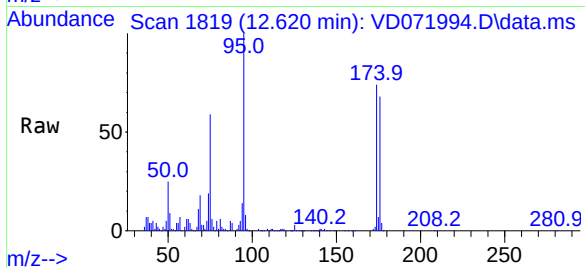




#62
4-Bromofluorobenzene
Concen: 63.806 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

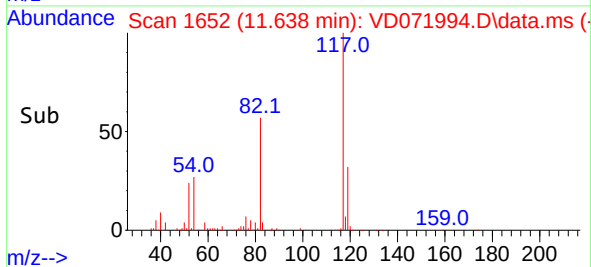
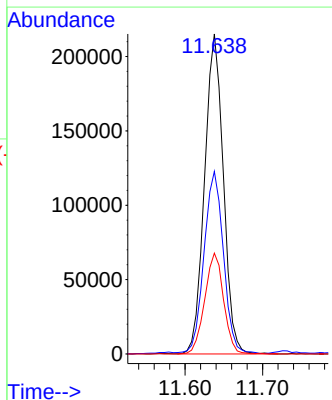
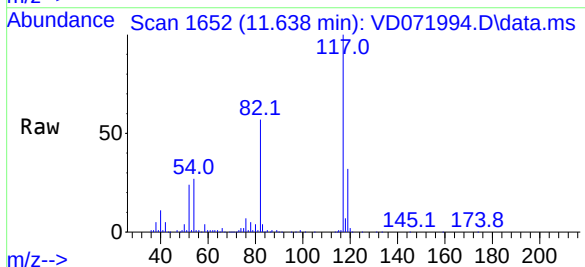
Instrument :
MSVOA_D
ClientSampleId :
OR-02-021122

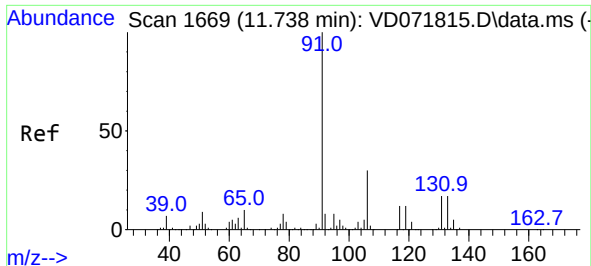
Tgt Ion: 95 Resp: 176204
Ion Ratio Lower Upper
95 100
174 75.2 0.0 152.8
176 71.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

Tgt Ion: 117 Resp: 362542
Ion Ratio Lower Upper
117 100
82 56.6 45.3 67.9
119 31.5 26.6 40.0

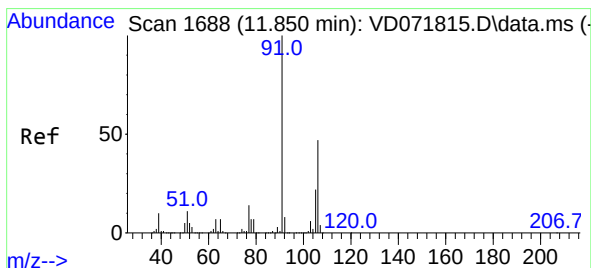
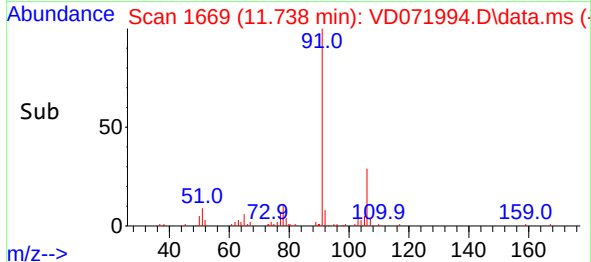
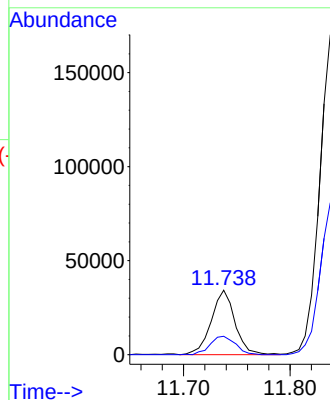
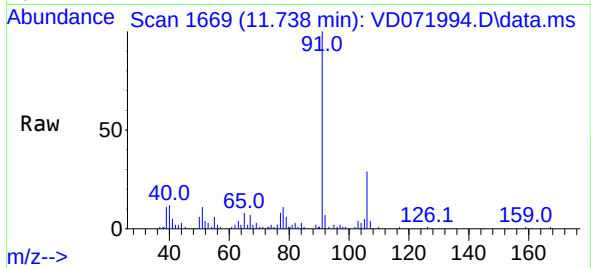




#67
Ethyl Benzene
Concen: 3.747 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

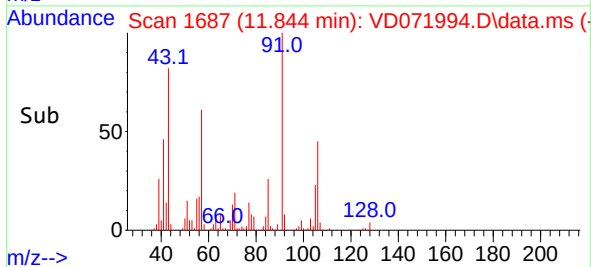
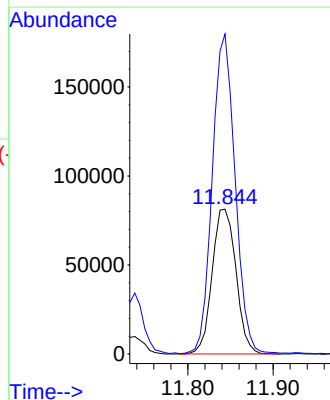
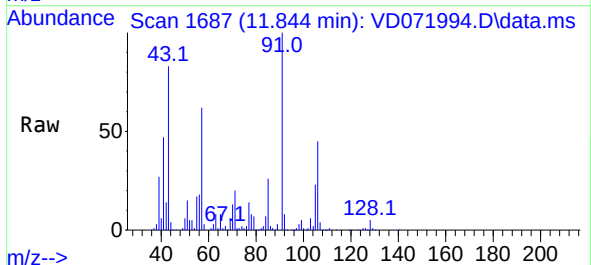
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ClientSampleId :
OR-02-021122

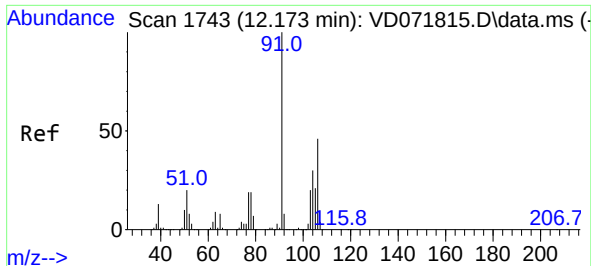
Tgt Ion: 91 Resp: 52875
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.4



#68
m/p-Xylenes
Concen: 29.421 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

Tgt Ion: 106 Resp: 157930
Ion Ratio Lower Upper
106 100
91 210.9 163.7 245.5

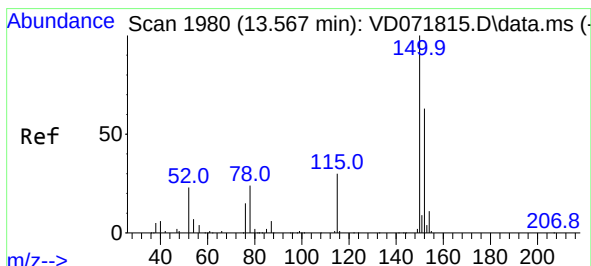
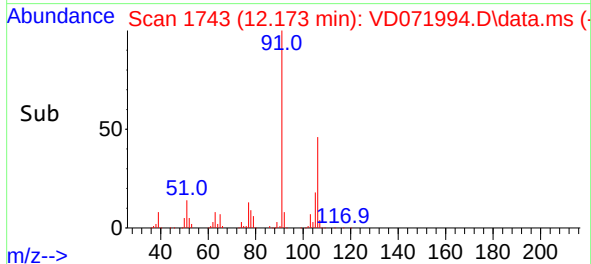
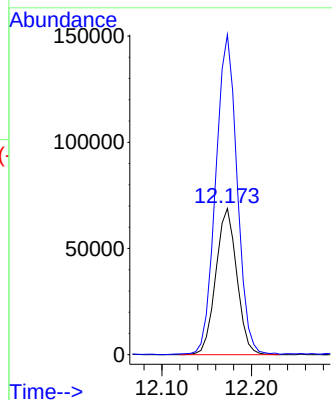
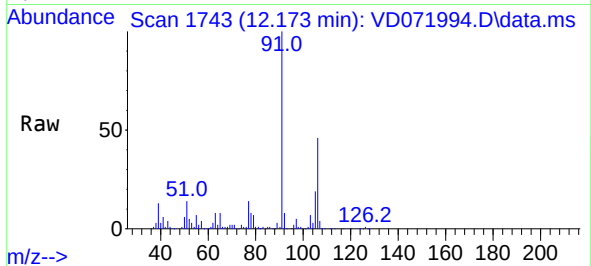




#69
o-Xylene
Concen: 22.945 ug/l
RT: 12.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

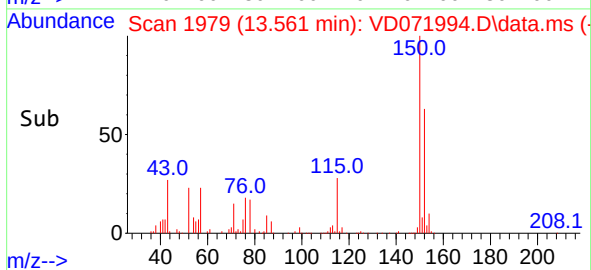
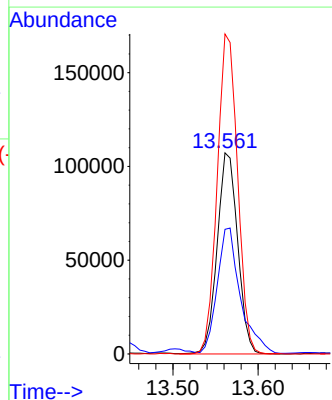
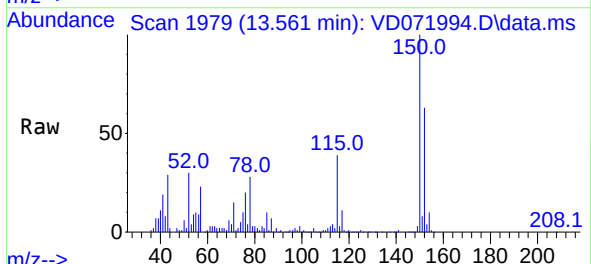
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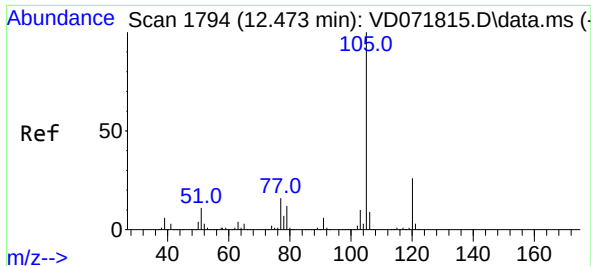
Tgt Ion:106 Resp: 111931
Ion Ratio Lower Upper
106 100
91 223.8 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

Tgt Ion:152 Resp: 179338
Ion Ratio Lower Upper
152 100
115 70.3 31.3 93.8
150 158.0 0.0 348.6

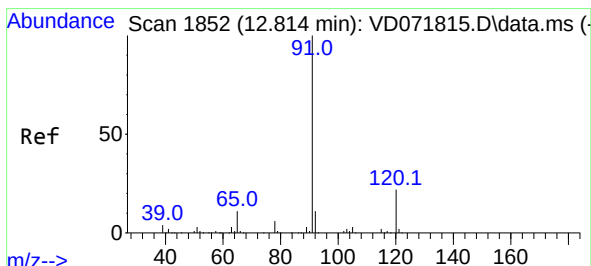
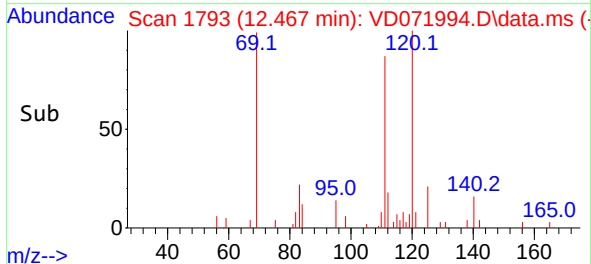
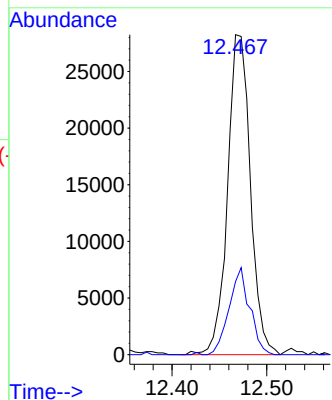
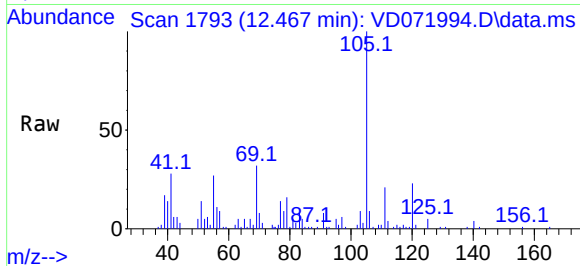




#73
Isopropylbenzene
Concen: 3.412 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

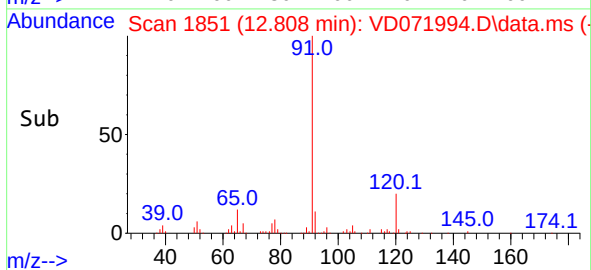
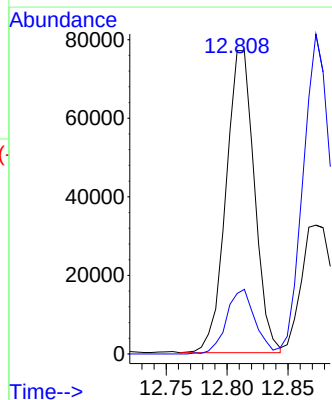
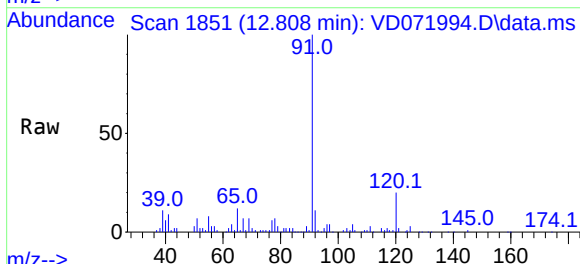
Instrument :
MSVOA_D
ClientSampleId :
OR-02-021122

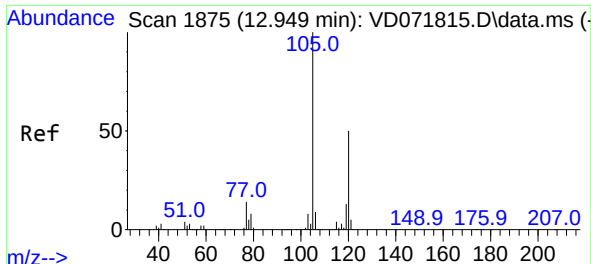
Tgt Ion:105 Resp: 47389
Ion Ratio Lower Upper
105 100
120 24.6 13.0 38.9



#78
n-propylbenzene
Concen: 7.191 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

Tgt Ion: 91 Resp: 125225
Ion Ratio Lower Upper
91 100
120 21.2 10.9 32.9

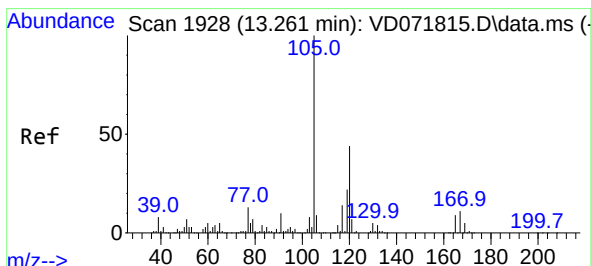
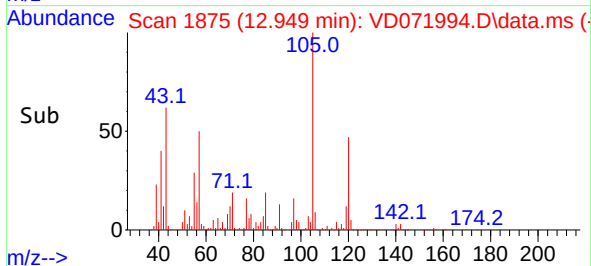
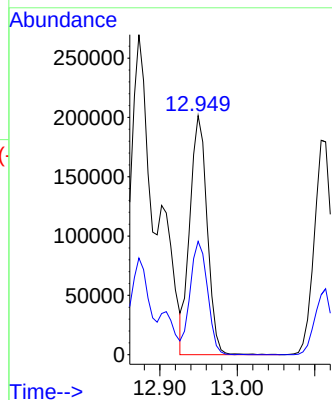
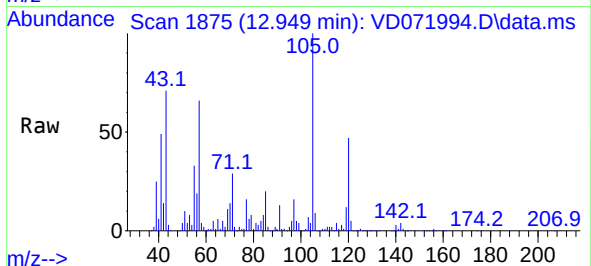




#80
1,3,5-Trimethylbenzene
Concen: 27.061 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

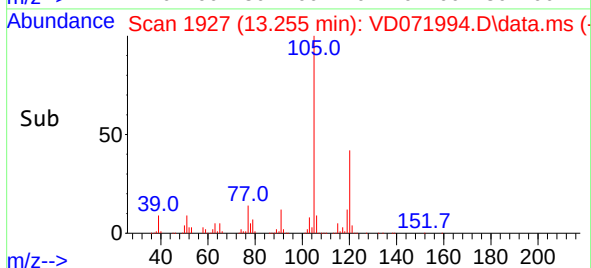
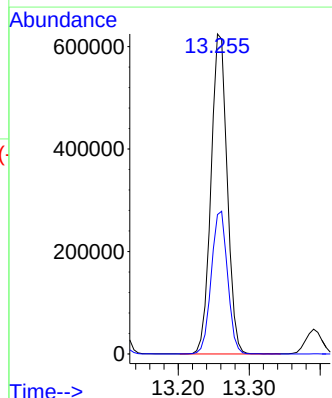
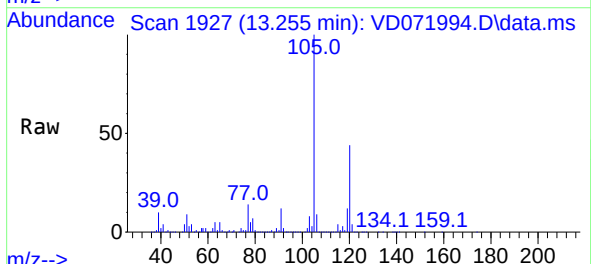
Instrument :
MSVOA_D
ClientSampleId :
OR-02-021122

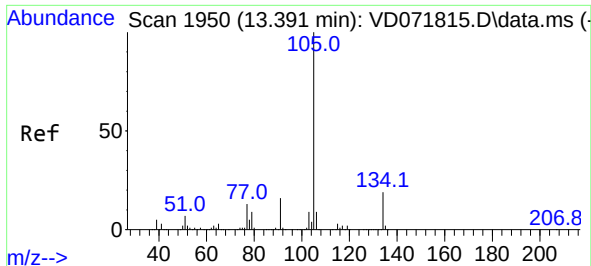
Tgt Ion:105 Resp: 311705
Ion Ratio Lower Upper
105 100
120 47.7 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 87.186 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

Tgt Ion:105 Resp: 987863
Ion Ratio Lower Upper
105 100
120 44.8 22.3 66.8

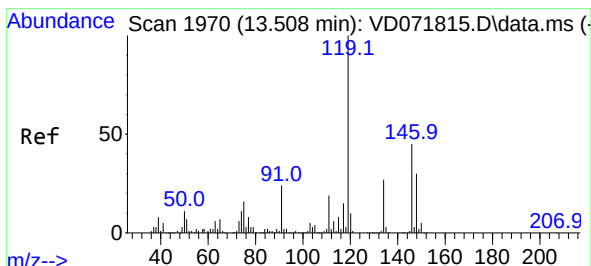
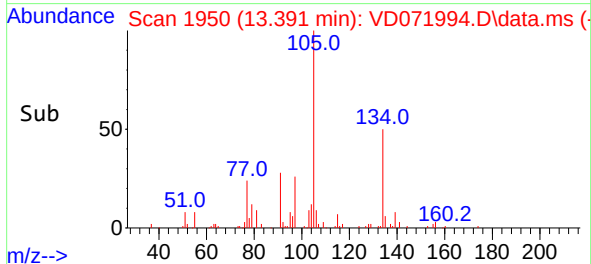
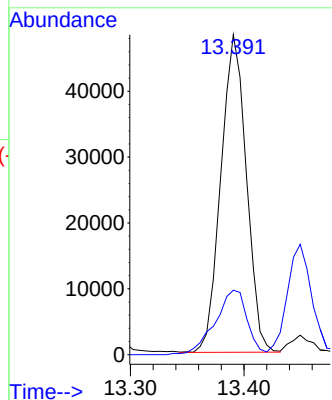
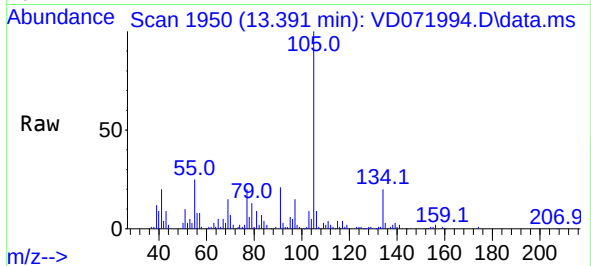




#85
 sec-Butylbenzene
 Concen: 5.034 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VD071994.D
 Acq: 16 Feb 2022 16:26

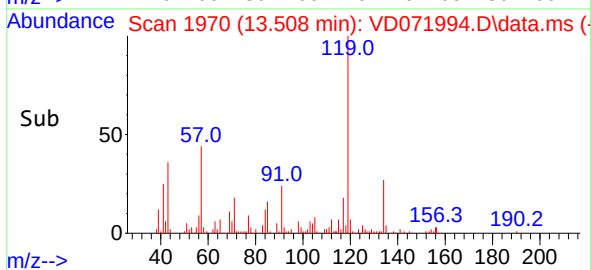
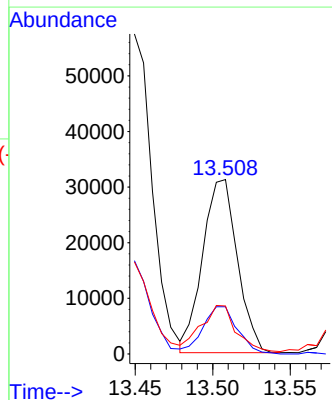
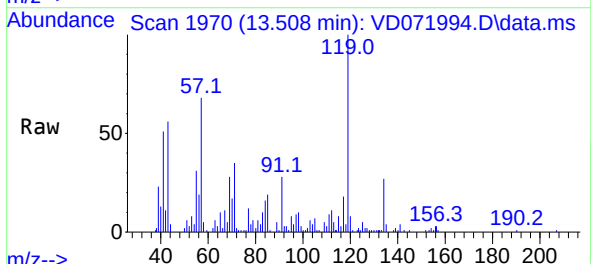
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-021122

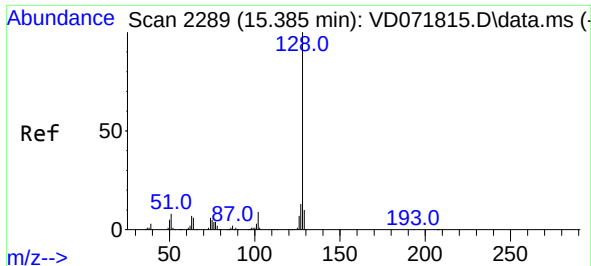
Tgt Ion:105 Resp: 75185
 Ion Ratio Lower Upper
 105 100
 134 25.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 4.001 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. 0.006 min
 Lab File: VD071994.D
 Acq: 16 Feb 2022 16:26

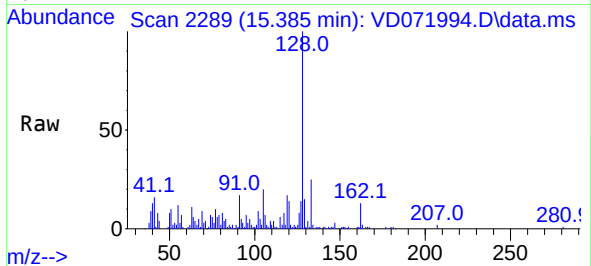
Tgt Ion:119 Resp: 48565
 Ion Ratio Lower Upper
 119 100
 134 27.1 12.9 38.6
 91 26.4 12.1 36.3





#95
Naphthalene
Concen: 12.752 ug/l
RT: 15.385 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD071994.D
Acq: 16 Feb 2022 16:26

Instrument :
MSVOA_D
ClientSampleId :
OR-02-021122



Tgt Ion:128 Resp: 72495

Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.3	15.5
129	12.0	8.4	12.6

