

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072324.D
 Acq On : 19 Mar 2022 08:23
 Operator : VA/SY
 Sample : N1972-02
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-4-7-17-18

Quant Time: Mar 21 01:28:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

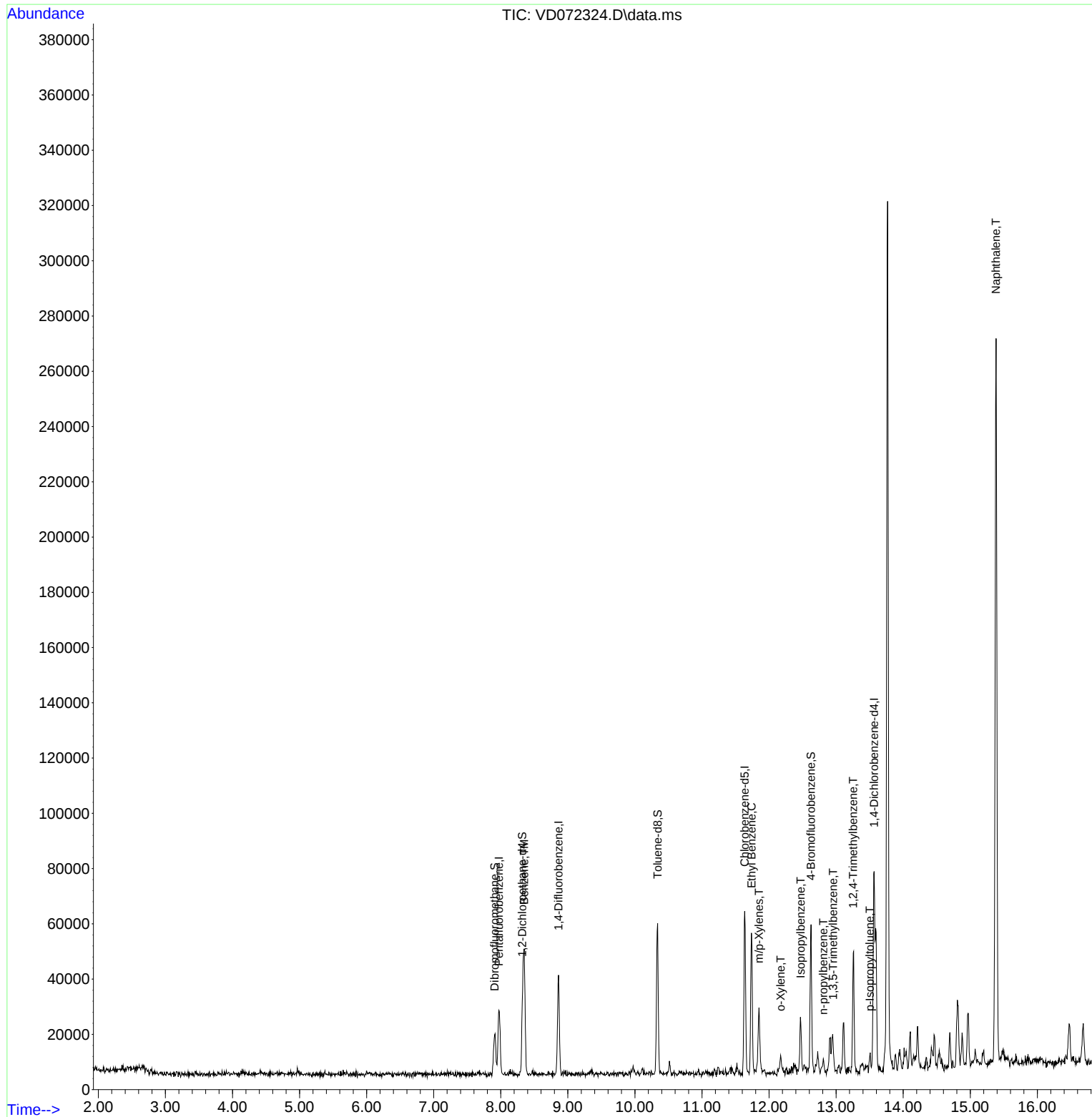
Internal Standards						
1) Pentafluorobenzene	7.973	168	17728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	28699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	33974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	18918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	14279	72.274	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.540%	
35) Dibromofluoromethane	7.908	113	11681	57.839	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.680%	
50) Toluene-d8	10.338	98	35558	48.152	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.300%	
62) 4-Bromofluorobenzene	12.626	95	16880	58.829	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.660%	
Target Compounds						
40) Benzene	8.350	78	39020	48.276	ug/l	Qvalue 99
67) Ethyl Benzene	11.738	91	34987	26.008	ug/l	95
68) m/p-Xylenes	11.849	106	5462	10.693	ug/l	96
69) o-Xylene	12.173	106	1635	3.346	ug/l	89
73) Isopropylbenzene	12.473	105	13209	8.811	ug/l	100
78) n-propylbenzene	12.808	91	3643	2.001	ug/l	92
80) 1,3,5-Trimethylbenzene	12.955	105	4927	3.826	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	24089	18.982	ug/l	93
86) p-Isopropyltoluene	13.502	119	3043	2.181	ug/l #	63
95) Naphthalene	15.384	128	228060	324.112	ug/l	98

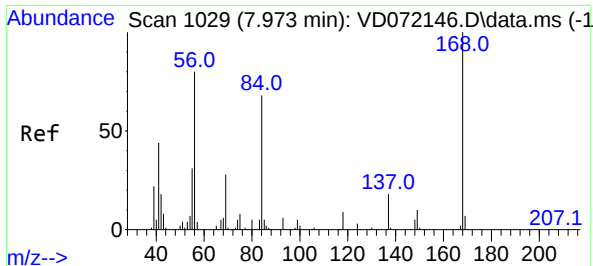
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

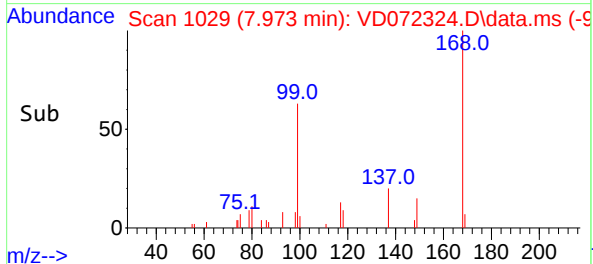
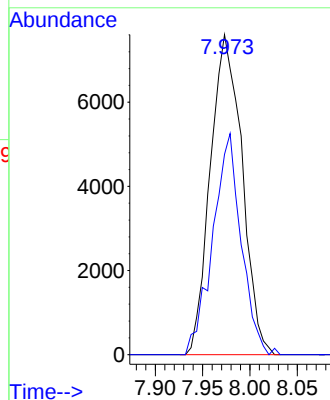
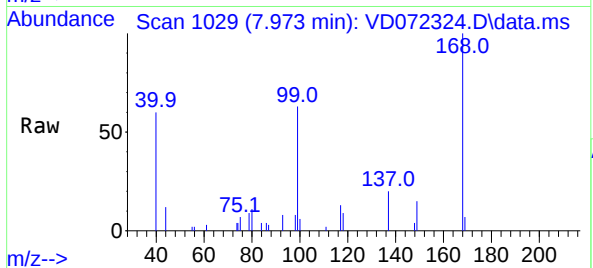




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

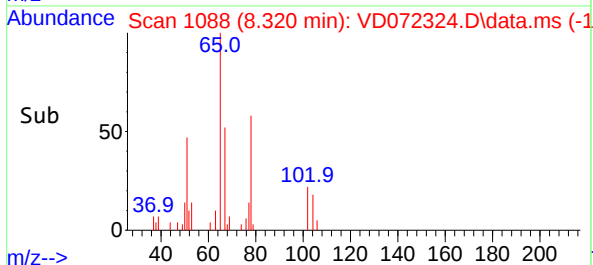
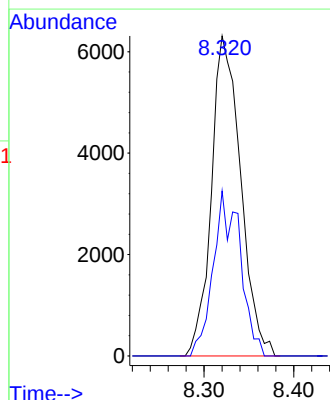
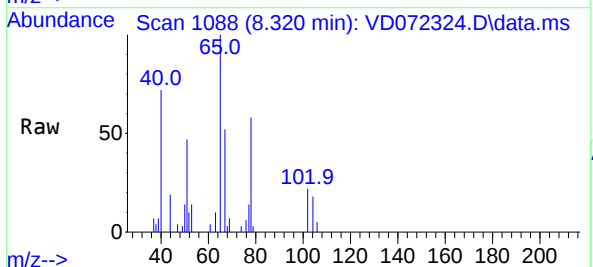
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

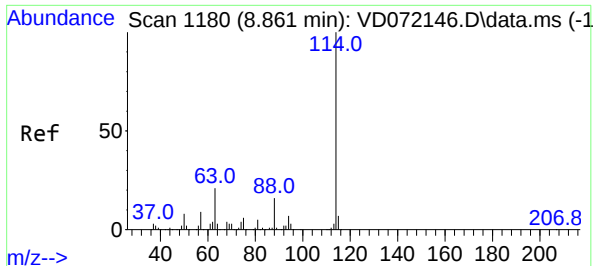
Tgt Ion:168 Resp: 17728
Ion Ratio Lower Upper
168 100
99 62.6 49.8 74.6



#33
1,2-Dichloroethane-d4
Concen: 72.274 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

Tgt Ion: 65 Resp: 14279
Ion Ratio Lower Upper
65 100
67 47.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072324.D

Acq: 19 Mar 2022 08:23

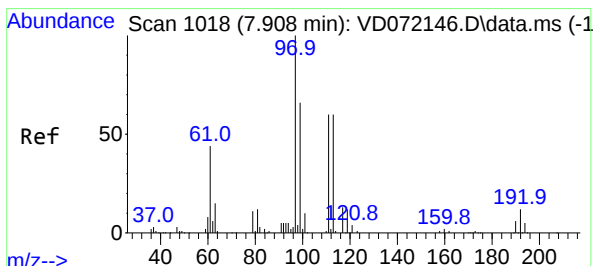
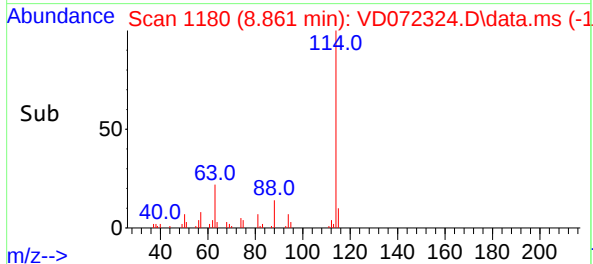
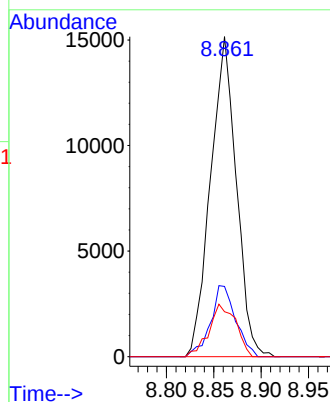
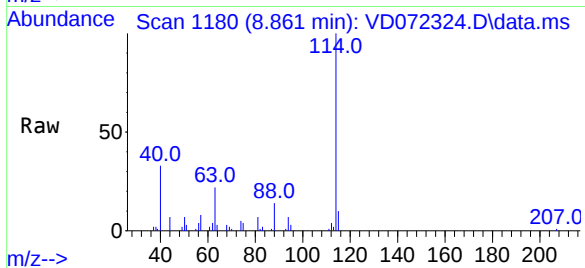
Instrument :

MSVOA_D

ClientSampleId :

G-4-7-17-18

Tgt Ion:	114	Resp:	28699
Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	46.6
88	14.0	0.0	33.2



#35

Dibromofluoromethane

Concen: 57.839 ug/l

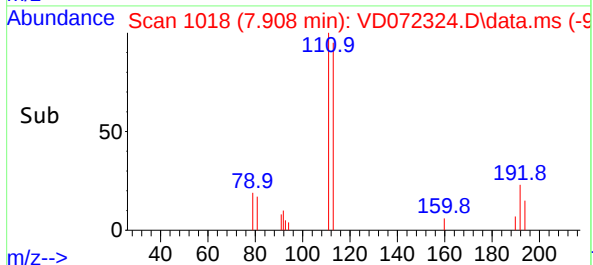
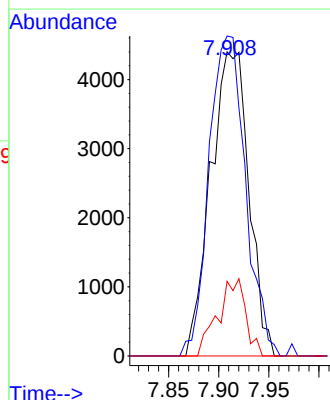
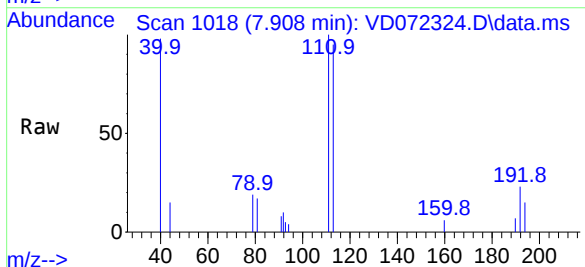
RT: 7.908 min Scan# 1018

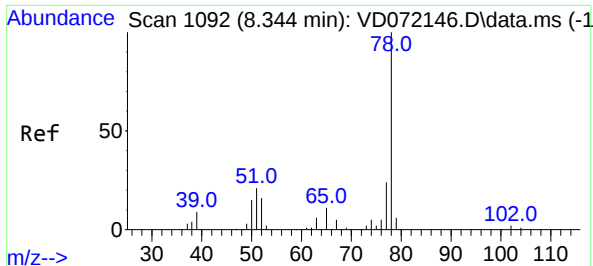
Delta R.T. -0.000 min

Lab File: VD072324.D

Acq: 19 Mar 2022 08:23

Tgt Ion:	113	Resp:	11681
Ion	Ratio	Lower	Upper
113	100		
111	100.5	83.8	125.6
192	18.4	14.6	21.8

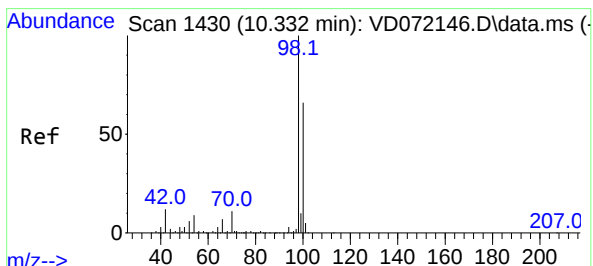
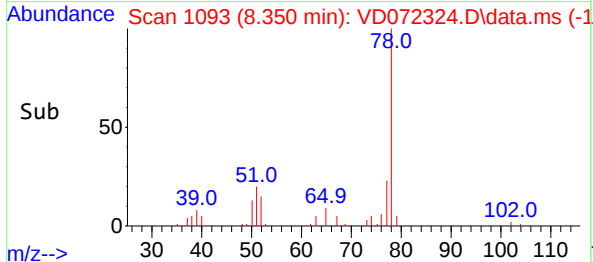
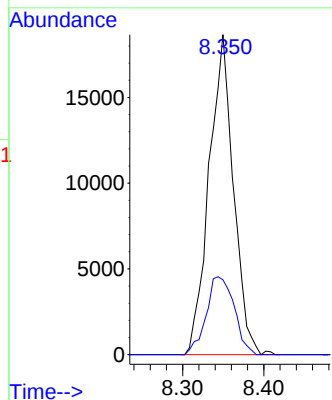
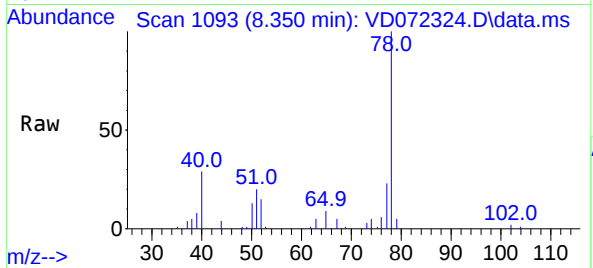




#40
Benzene
Concen: 48.276 ug/l
RT: 8.350 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

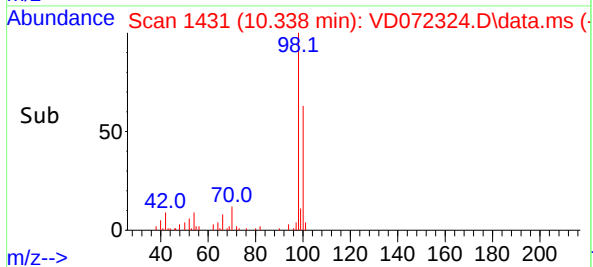
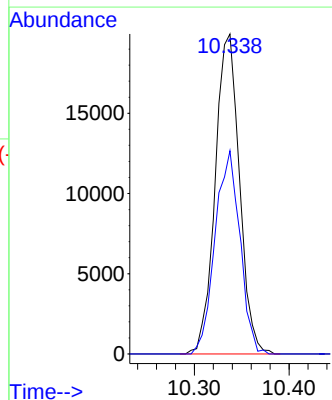
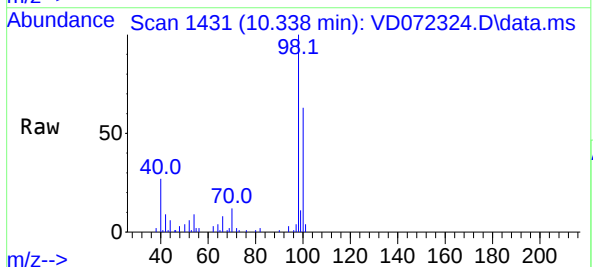
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

Tgt Ion: 78 Resp: 39020
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7



#50
Toluene-d8
Concen: 48.152 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

Tgt Ion: 98 Resp: 35558
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6

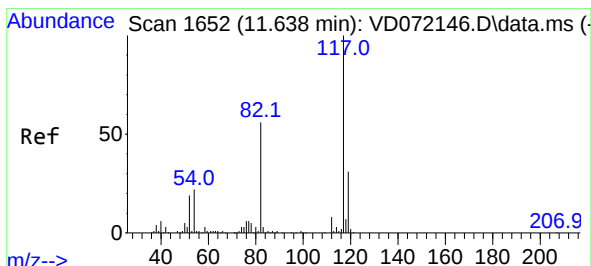
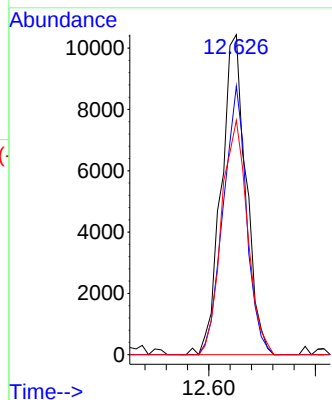
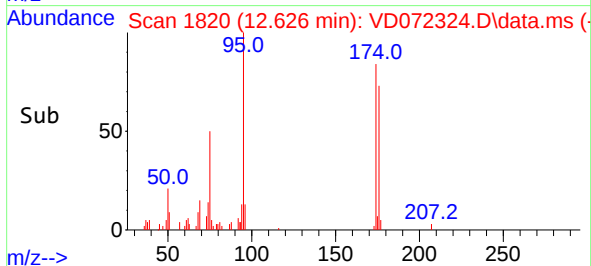
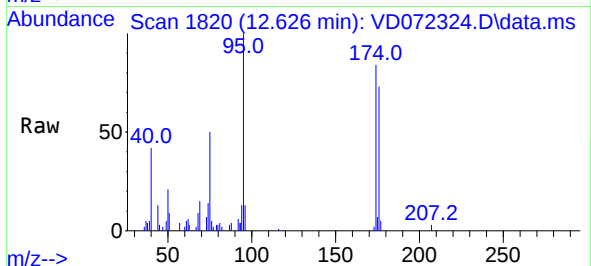




#62
4-Bromofluorobenzene
Concen: 58.829 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

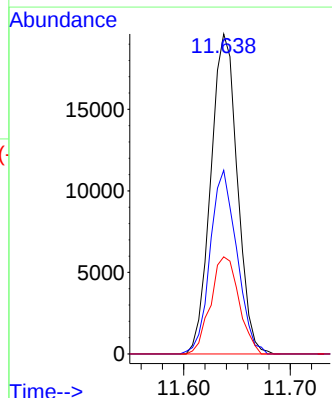
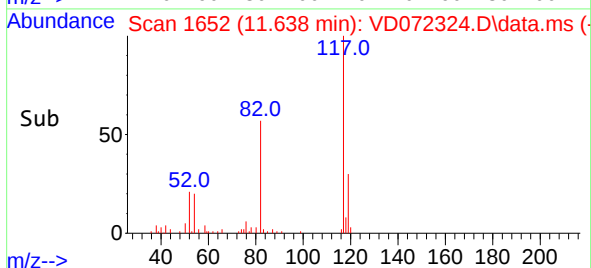
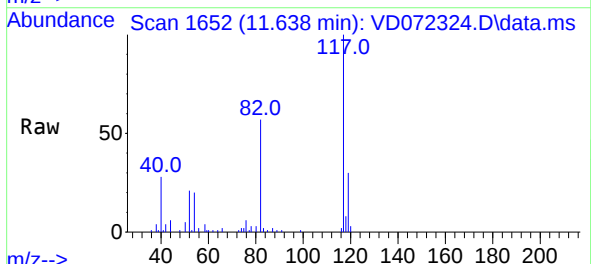
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

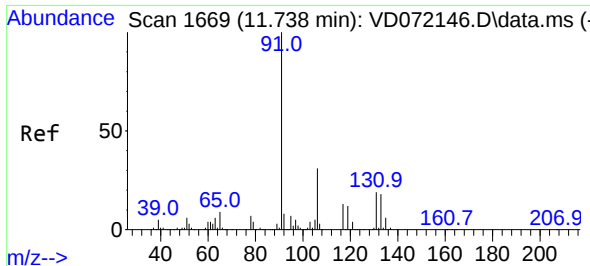
Tgt Ion:	95	Resp:	16880
Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	152.8
176	76.4	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

Tgt Ion:	117	Resp:	33974
Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.3	67.9
119	30.4	26.6	40.0

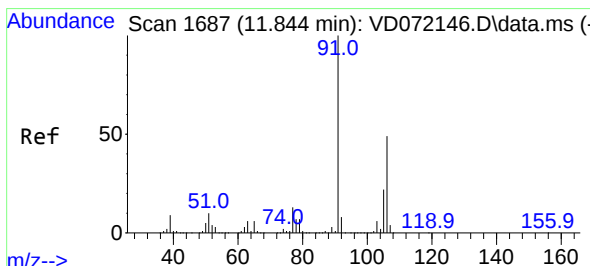
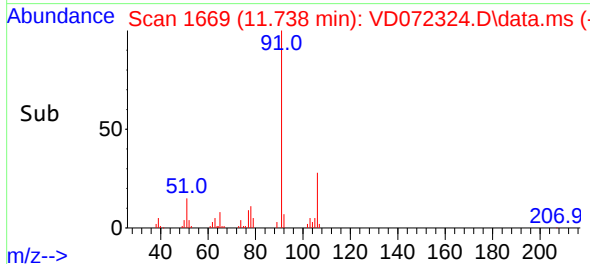
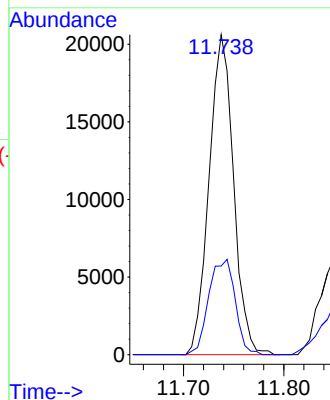
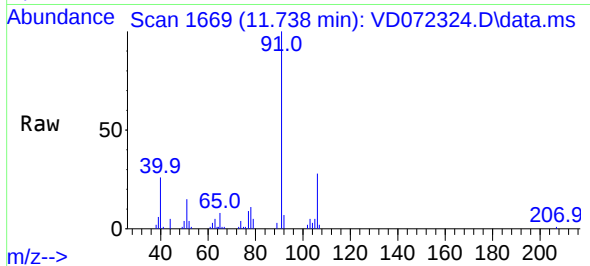




#67
Ethyl Benzene
Concen: 26.008 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

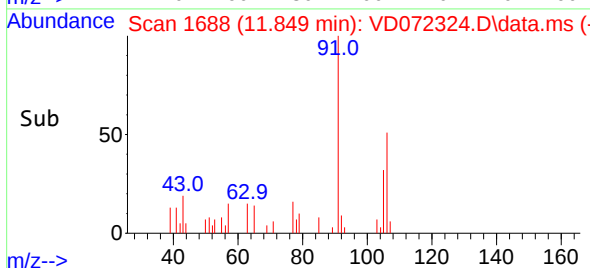
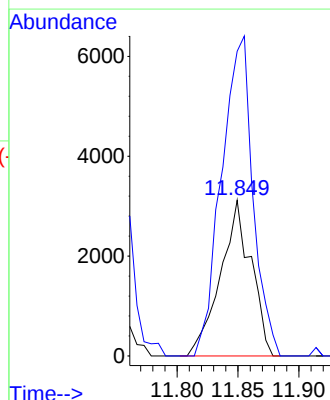
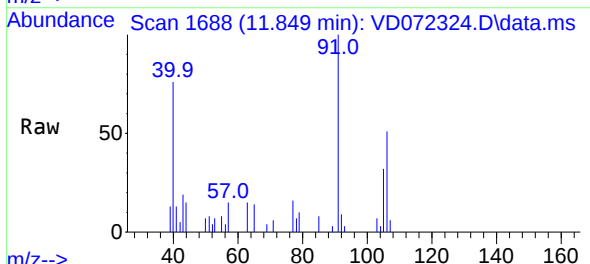
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

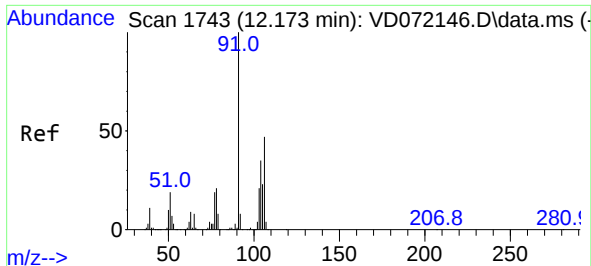
Tgt Ion: 91 Resp: 34987
Ion Ratio Lower Upper
91 100
106 27.7 24.2 36.4



#68
m/p-Xylenes
Concen: 10.693 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.006 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

Tgt Ion: 106 Resp: 5462
Ion Ratio Lower Upper
106 100
91 210.7 163.7 245.5

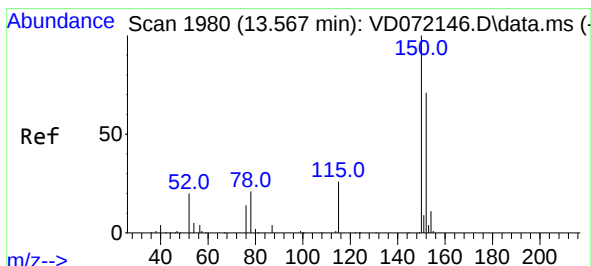
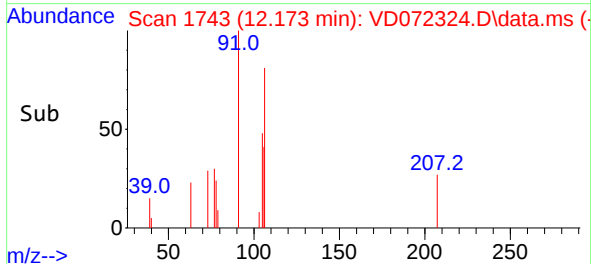
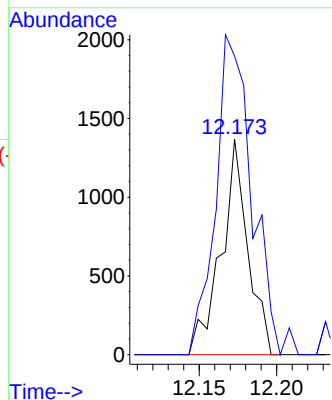
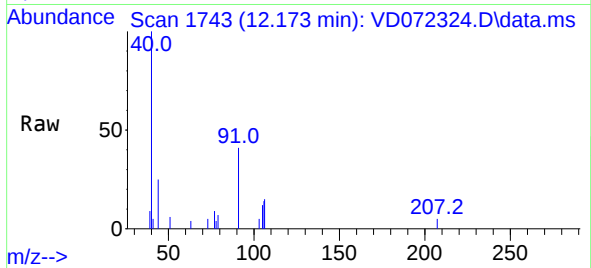




#69
o-Xylene
Concen: 3.346 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

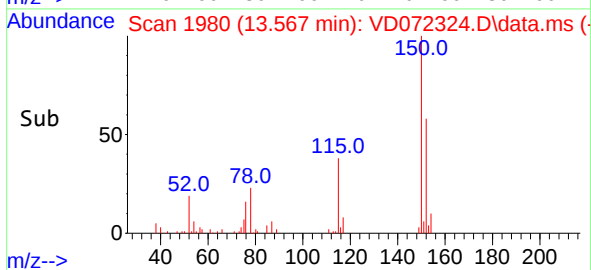
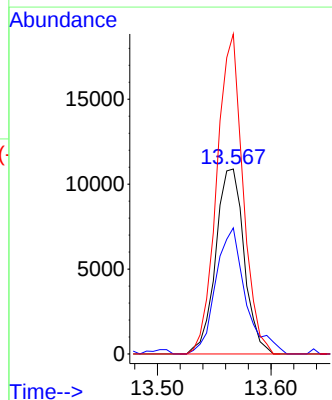
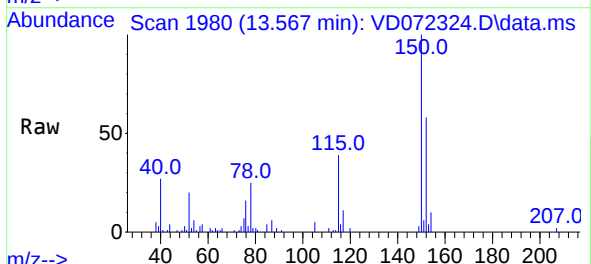
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G-4-7-17-18

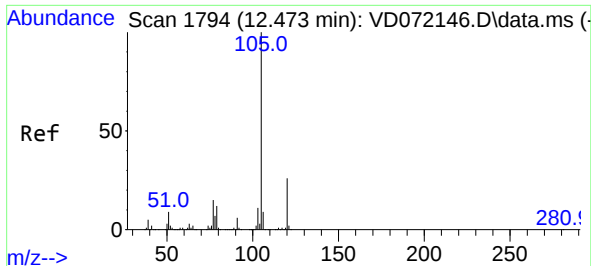
Tgt Ion:106 Resp: 1635
Ion Ratio Lower Upper
106 100
91 203.5 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

Tgt Ion:152 Resp: 18918
Ion Ratio Lower Upper
152 100
115 71.5 31.3 93.8
150 159.8 0.0 348.6

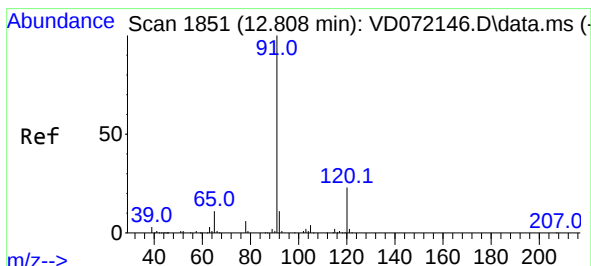
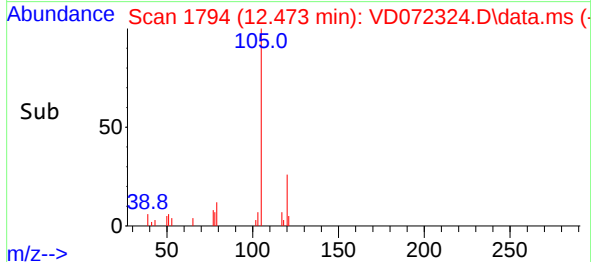
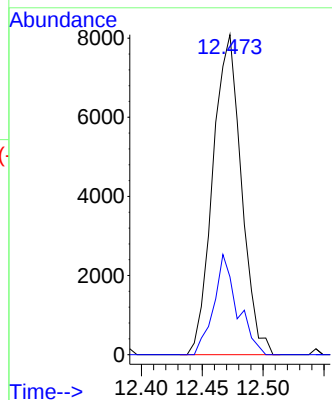
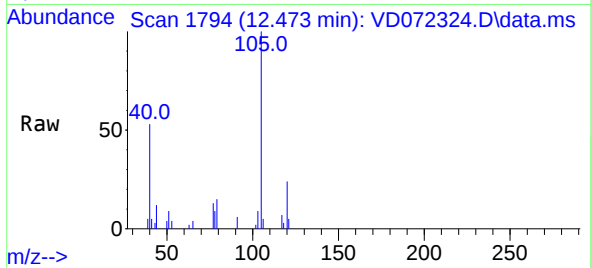




#73
Isopropylbenzene
Concen: 8.811 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

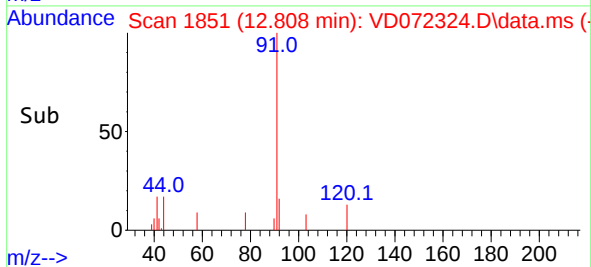
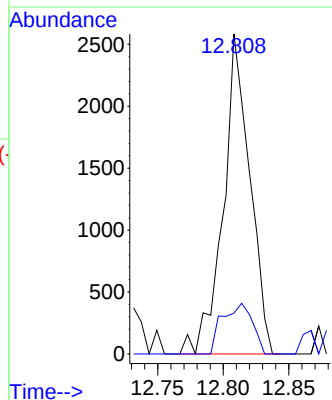
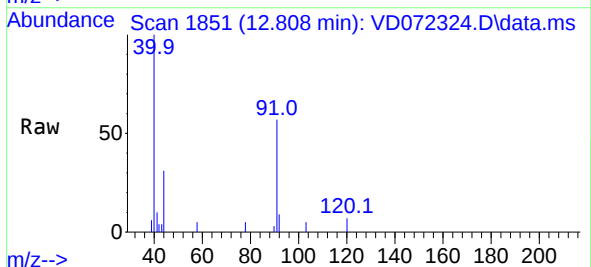
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

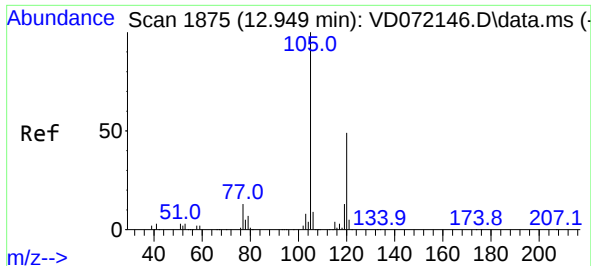
Tgt Ion:105 Resp: 13209
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9



#78
n-propylbenzene
Concen: 2.001 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

Tgt Ion: 91 Resp: 3643
Ion Ratio Lower Upper
91 100
120 17.9 10.9 32.9

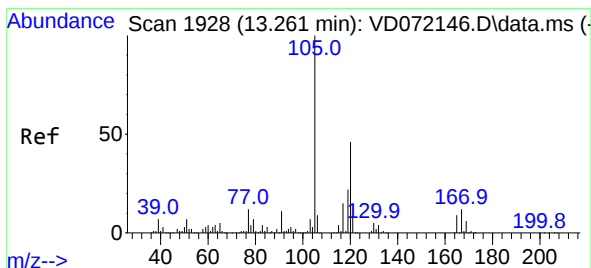
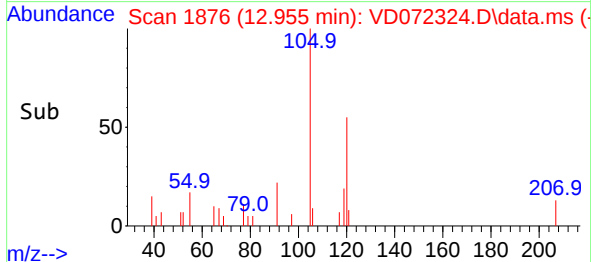
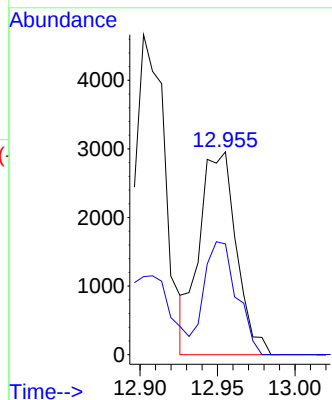
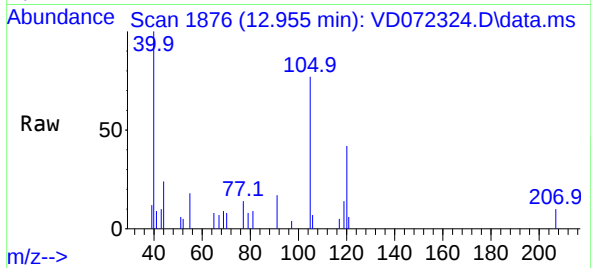




#80
1,3,5-Trimethylbenzene
Concen: 3.826 ug/l
RT: 12.955 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

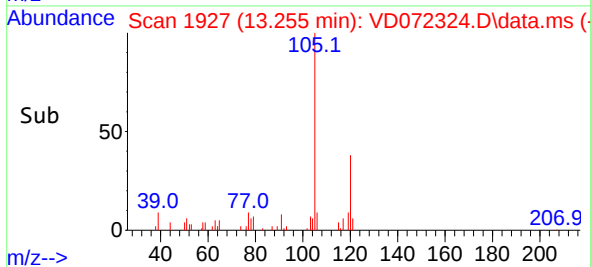
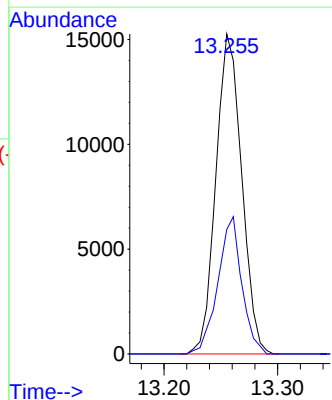
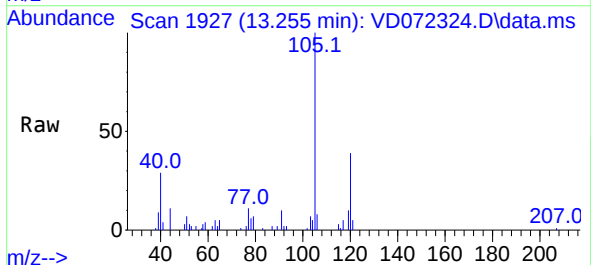
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

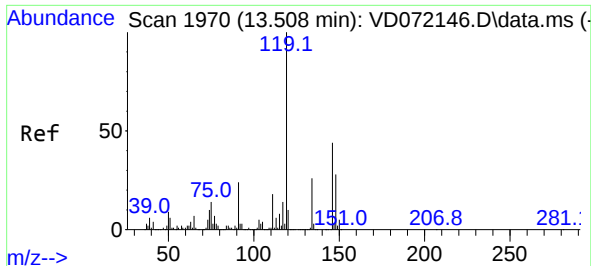
Tgt Ion:105 Resp: 4927
Ion Ratio Lower Upper
105 100
120 48.9 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 18.982 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

Tgt Ion:105 Resp: 24089
Ion Ratio Lower Upper
105 100
120 39.8 22.3 66.8

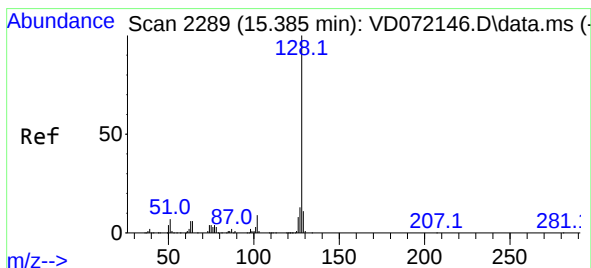
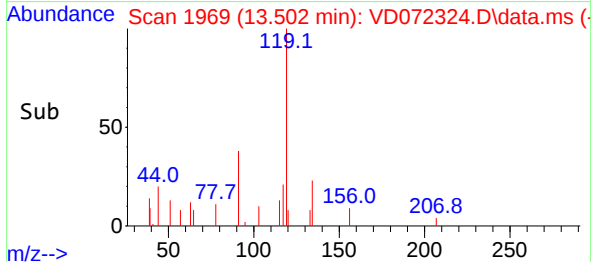
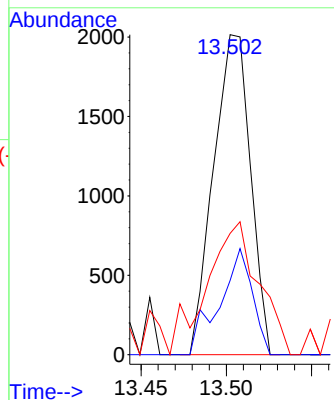
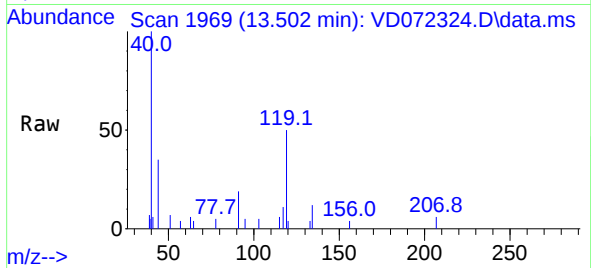




#86
p-Isopropyltoluene
Concen: 2.181 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

Tgt Ion:119 Resp: 3043
Ion Ratio Lower Upper
119 100
134 29.7 12.9 38.6
91 58.2 12.1 36.3#



#95
Naphthalene
Concen: 324.112 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072324.D
Acq: 19 Mar 2022 08:23

Tgt Ion:128 Resp: 228060
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 11.3 8.4 12.6

