

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032822\
 Data File : VD072450.D
 Acq On : 28 Mar 2022 17:54
 Operator : VA/SY
 Sample : N1977-04
 Misc : 4.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-20220315-16.0-17.0-A

Quant Time: Mar 29 01:30:56 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)

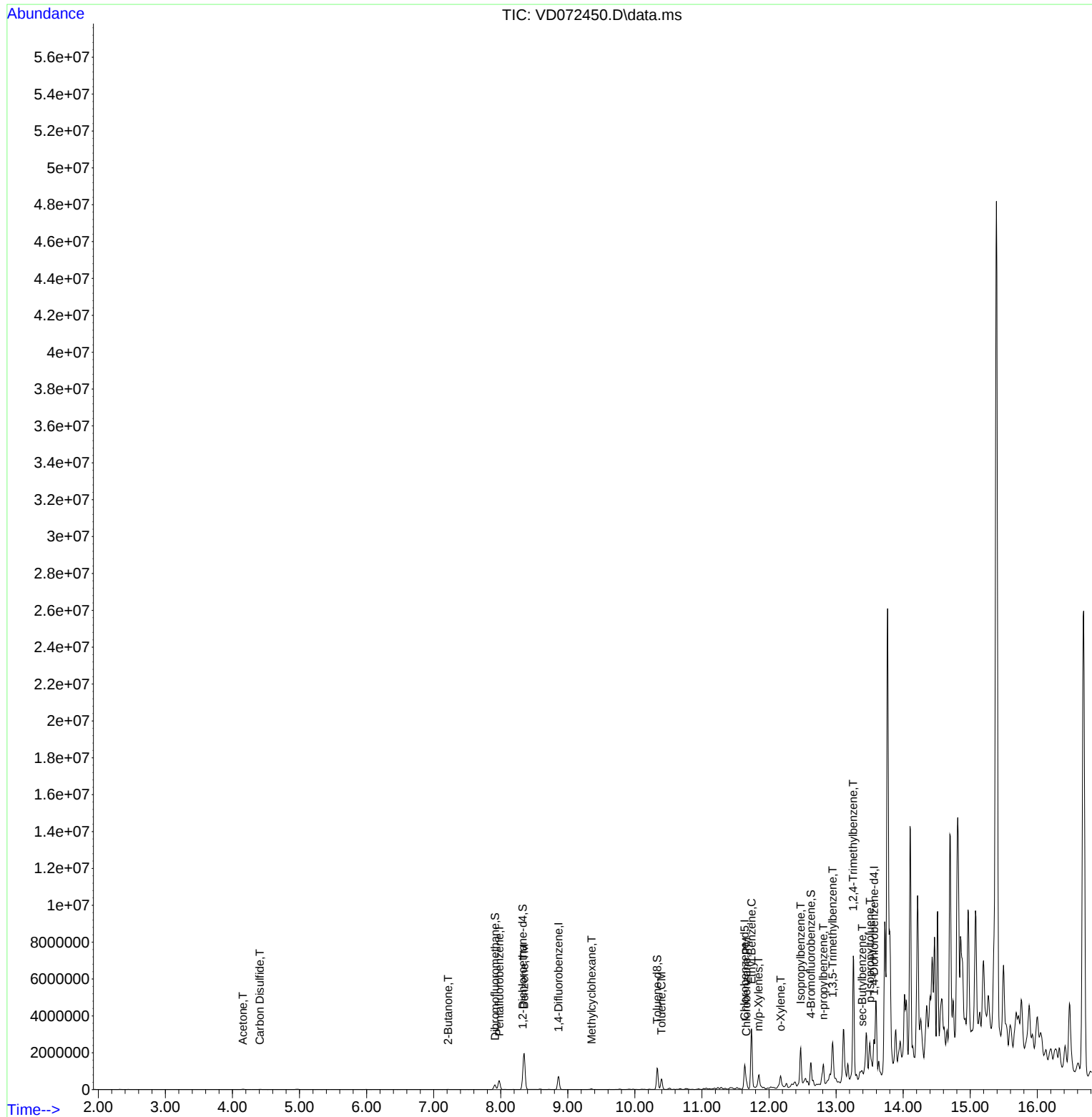
Internal Standards						
1) Pentafluorobenzene	7.979	168	340940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	594555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	686467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	320788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	170605	44.901	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.800%
35) Dibromofluoromethane	7.914	113	176723	42.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.480%
50) Toluene-d8	10.332	98	754328	49.307	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.626	95	362317	60.952	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	121.900%
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	34450	41.759	ug/l	100
17) Carbon Disulfide	4.409	76	23246	4.586	ug/l #	94
25) 2-Butanone	7.214	43	11657	10.598	ug/l	91
39) Methylcyclohexane	9.355	83	15078	2.283	ug/l	95
40) Benzene	8.350	78	1927285	115.096	ug/l	99
52) Toluene	10.397	92	239562	21.742	ug/l	96
65) Chlorobenzene	11.661	112	172054	11.305	ug/l	97
67) Ethyl Benzene	11.738	91	2231033	82.080	ug/l	100
68) m/p-Xylenes	11.844	106	157156	15.227	ug/l	99
69) o-Xylene	12.173	106	169295	17.148	ug/l	100
73) Isopropylbenzene	12.473	105	1282561	50.453	ug/l	99
78) n-propylbenzene	12.808	91	877653	28.424	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	862788	39.507	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	3738496	173.735	ug/l	98
85) sec-Butylbenzene	13.391	105	176717	6.146	ug/l #	63
86) p-Isopropyltoluene	13.508	119	585337	24.739	ug/l	95

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

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QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD072450.D

Acq: 28 Mar 2022 17:54

Instrument :

MSVOA_D

ClientSampleId :

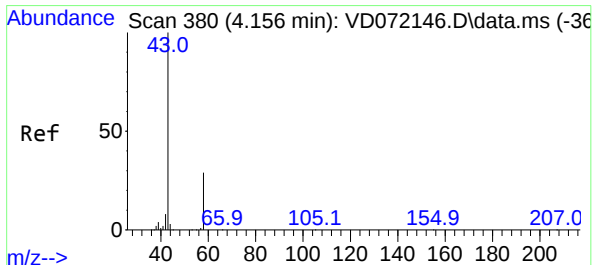
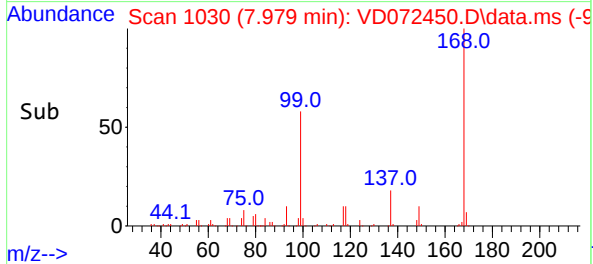
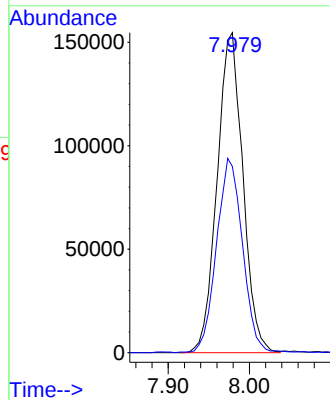
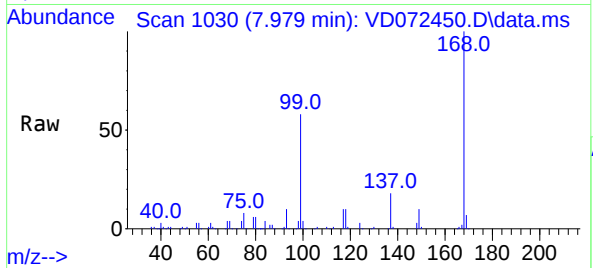
SB-12-20220315-16.0-17.0-A

Tgt Ion:168 Resp: 340940

Ion Ratio Lower Upper

168 100

99 58.0 49.8 74.6



#16

Acetone

Concen: 41.759 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.000 min

Lab File: VD072450.D

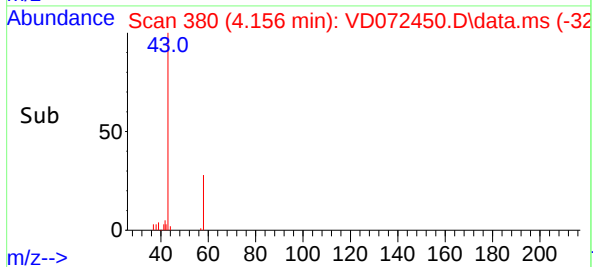
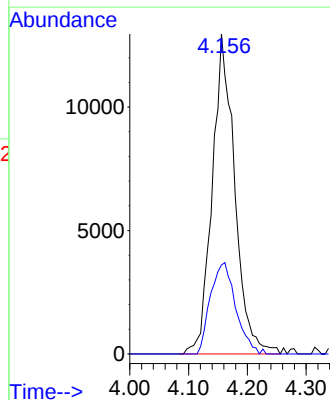
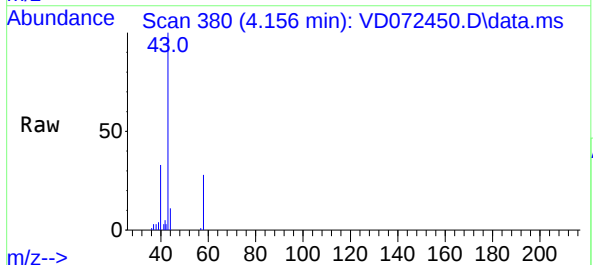
Acq: 28 Mar 2022 17:54

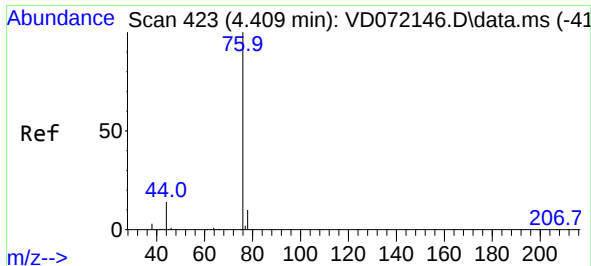
Tgt Ion: 43 Resp: 34450

Ion Ratio Lower Upper

43 100

58 27.8 22.1 33.1

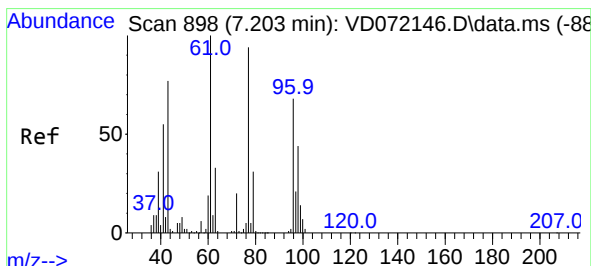
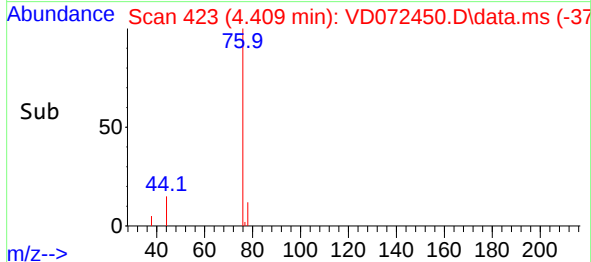
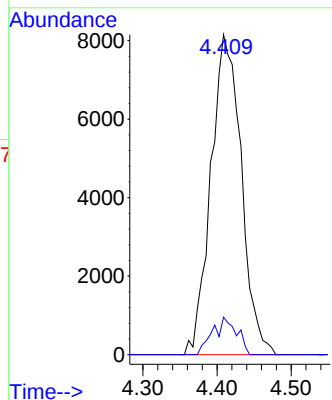
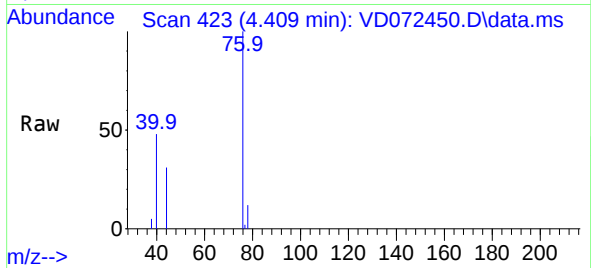




#17
Carbon Disulfide
Concen: 4.586 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

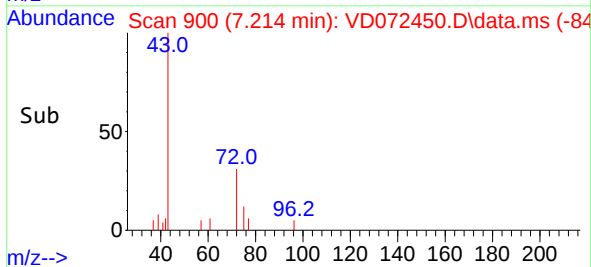
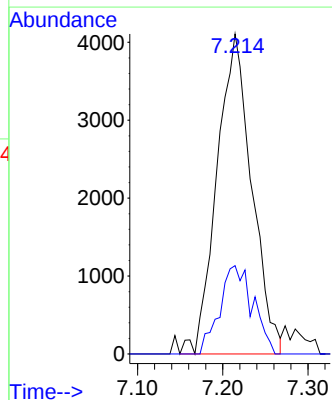
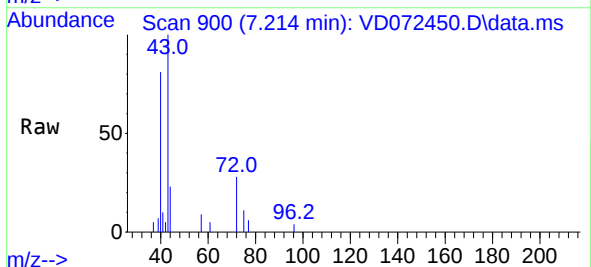
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A

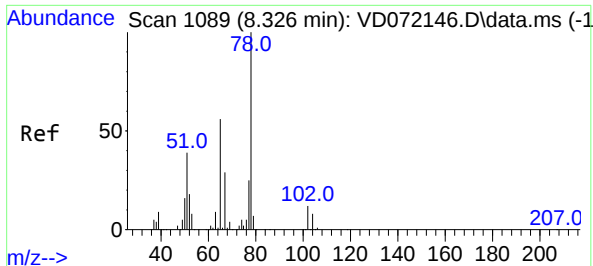
Tgt Ion: 76 Resp: 23246
Ion Ratio Lower Upper
76 100
78 11.7 7.5 11.3#



#25
2-Butanone
Concen: 10.598 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.012 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Tgt Ion: 43 Resp: 11657
Ion Ratio Lower Upper
43 100
72 27.6 18.6 27.8





#33

1,2-Dichloroethane-d4

Concen: 44.901 ug/l

RT: 8.326 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD072450.D

Acq: 28 Mar 2022 17:54

Instrument :

MSVOA_D

ClientSampleId :

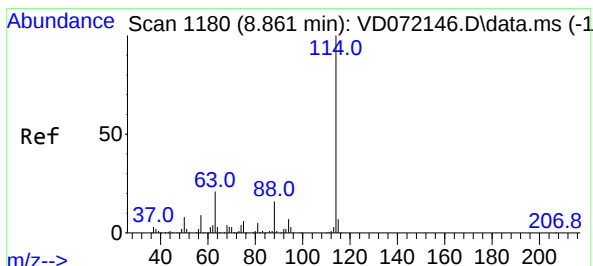
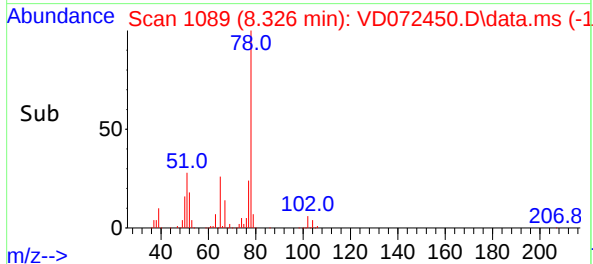
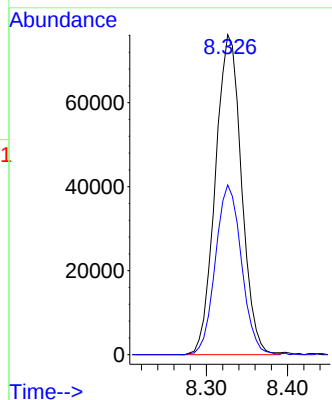
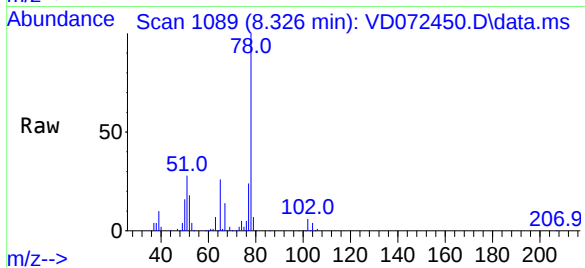
SB-12-20220315-16.0-17.0-A

Tgt Ion: 65 Resp: 170605

Ion Ratio Lower Upper

65 100

67 53.0 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: VD072450.D

Acq: 28 Mar 2022 17:54

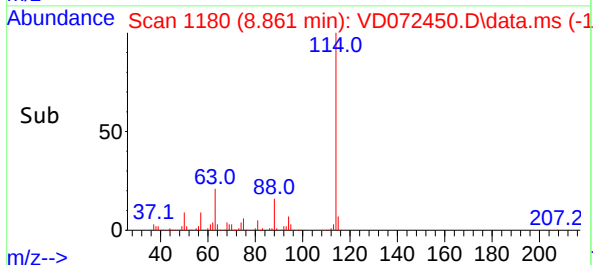
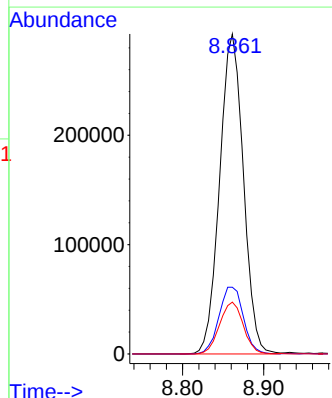
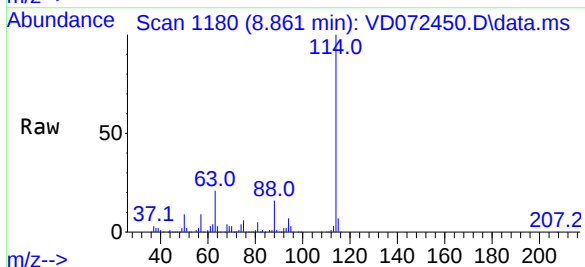
Tgt Ion: 114 Resp: 594555

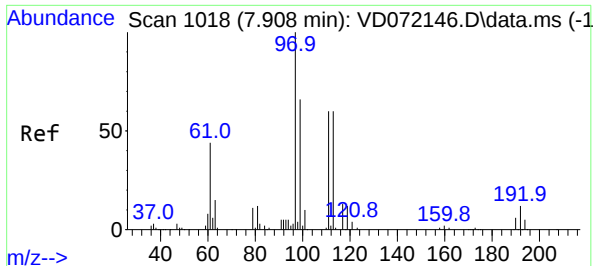
Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 16.2 0.0 33.2

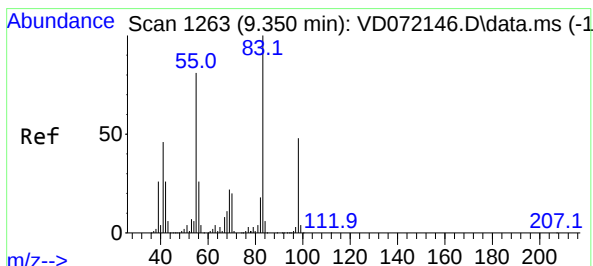
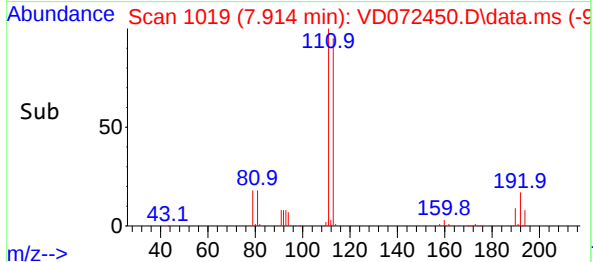
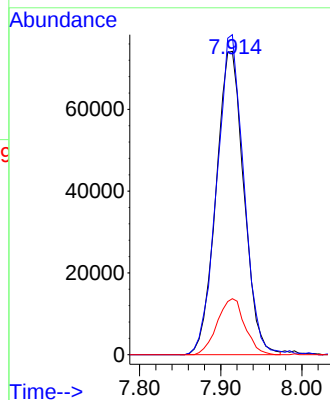
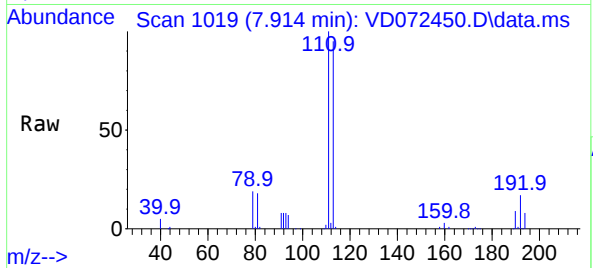




#35
Dibromofluoromethane
Concen: 42.239 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

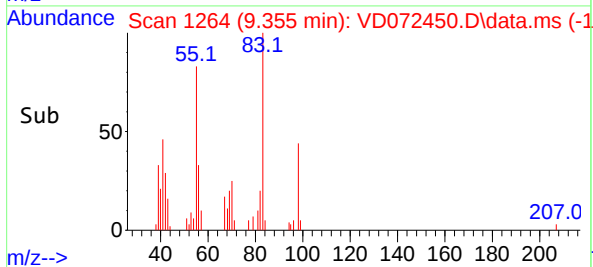
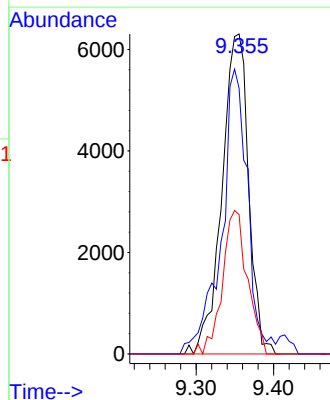
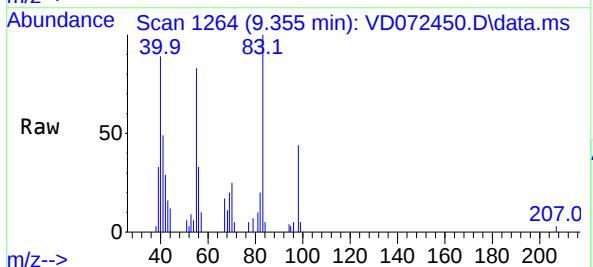
Instrument :
MSVOA_D
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SB-12-20220315-16.0-17.0-A

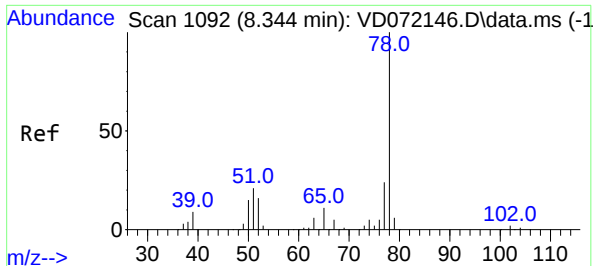
Tgt Ion:113 Resp: 176723
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.6
192 18.3 14.6 21.8



#39
Methylcyclohexane
Concen: 2.283 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Tgt Ion: 83 Resp: 15078
Ion Ratio Lower Upper
83 100
55 83.0 63.2 94.8
98 43.6 38.2 57.4

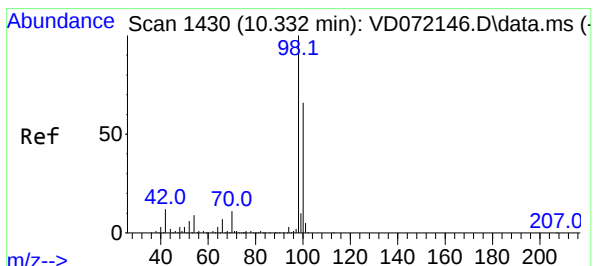
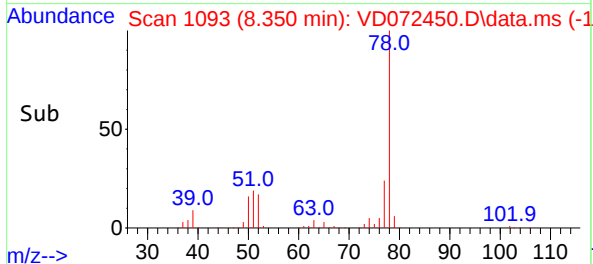
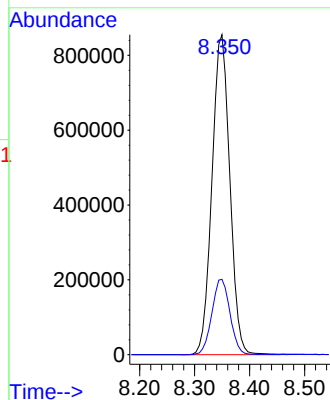
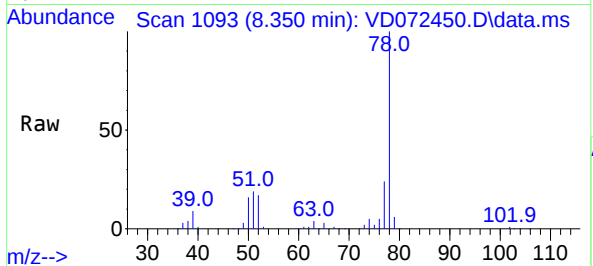




#40
Benzene
Concen: 115.096 ug/l
RT: 8.350 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

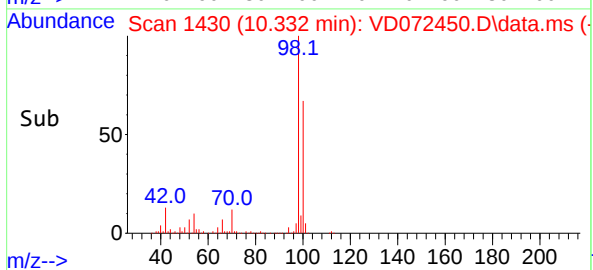
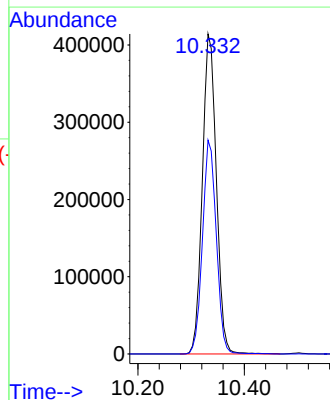
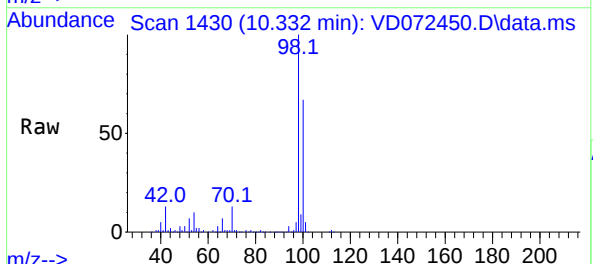
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A

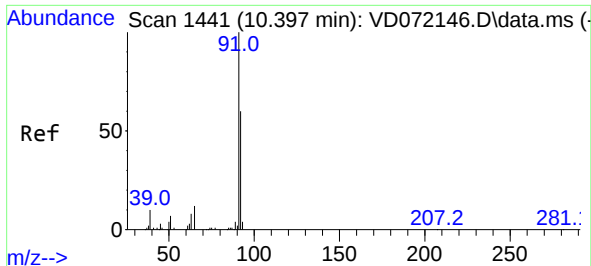
Tgt Ion: 78 Resp: 1927285
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7



#50
Toluene-d8
Concen: 49.307 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Tgt Ion: 98 Resp: 754328
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6

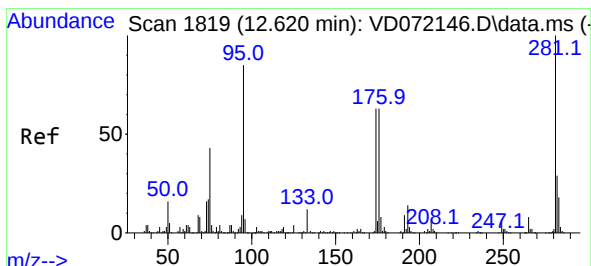
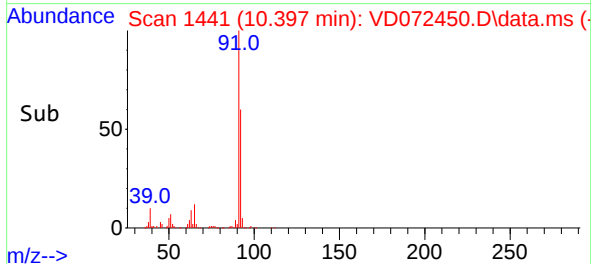
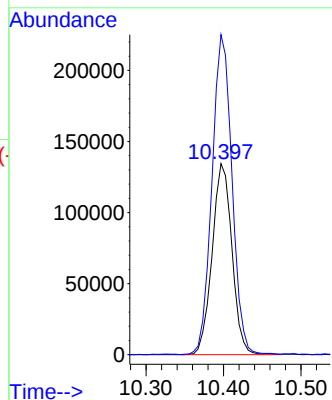
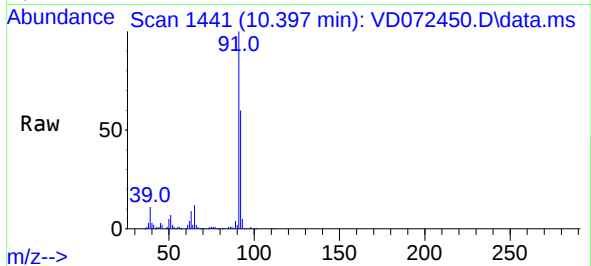




#52
Toluene
Concen: 21.742 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

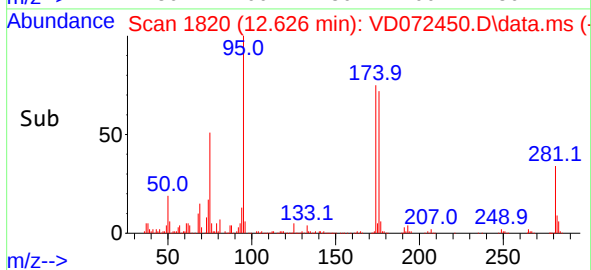
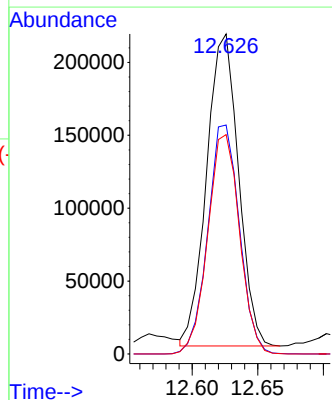
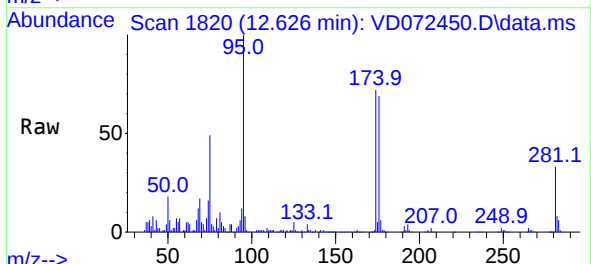
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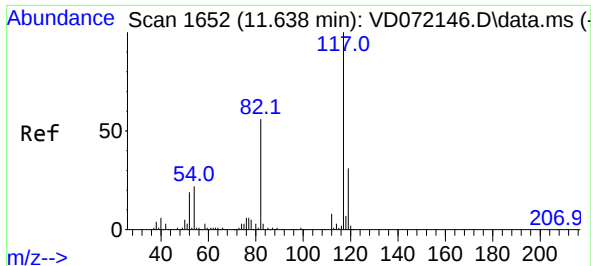
Tgt Ion: 92 Resp: 239562
Ion Ratio Lower Upper
92 100
91 168.9 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 60.952 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Tgt Ion: 95 Resp: 362317
Ion Ratio Lower Upper
95 100
174 72.7 0.0 152.8
176 70.0 0.0 145.4

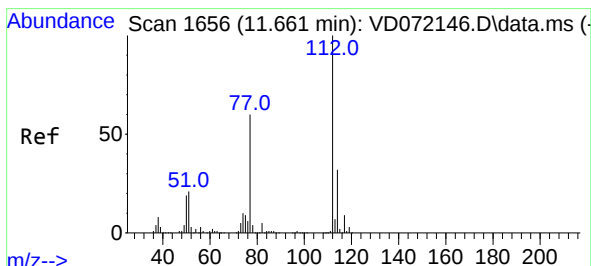
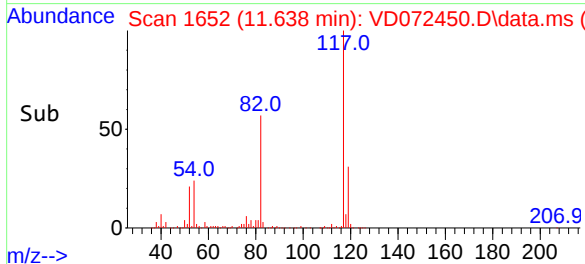
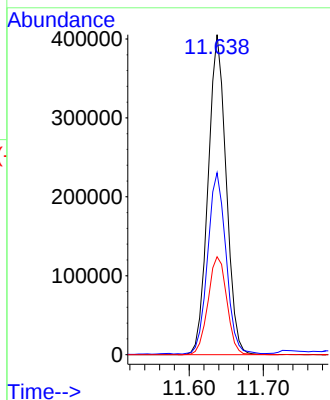
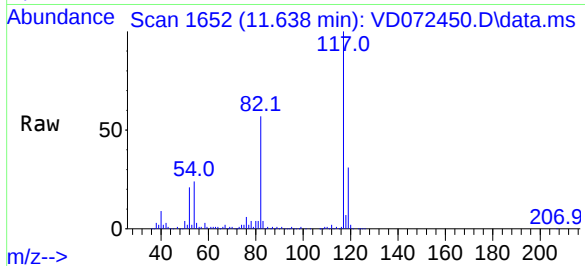




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

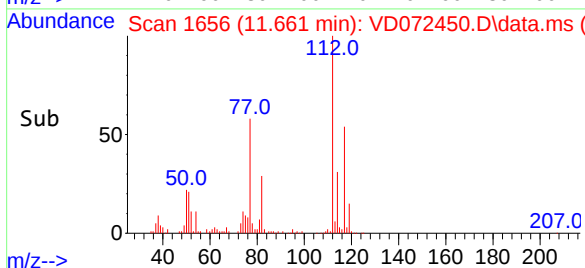
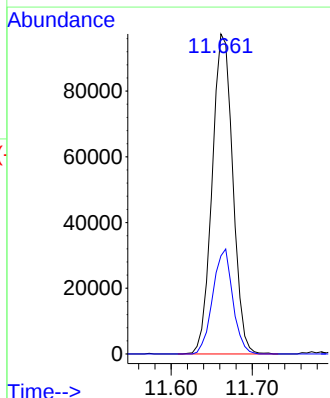
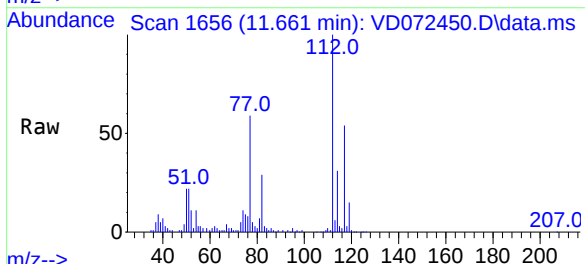
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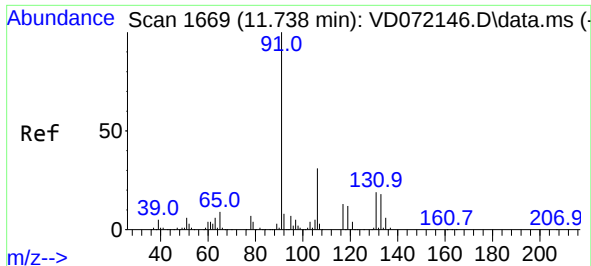
Tgt Ion:117 Resp: 686467
Ion Ratio Lower Upper
117 100
82 56.5 45.3 67.9
119 30.6 26.6 40.0



#65
Chlorobenzene
Concen: 11.305 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Tgt Ion:112 Resp: 172054
Ion Ratio Lower Upper
112 100
114 30.6 25.8 38.6

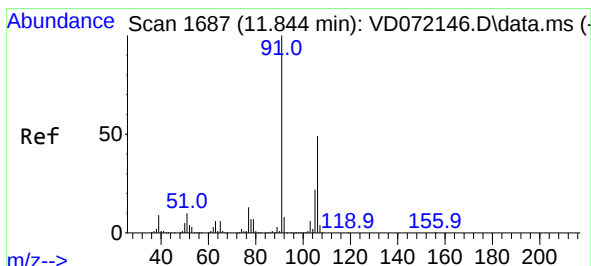
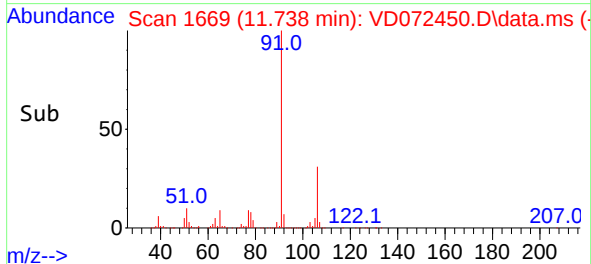
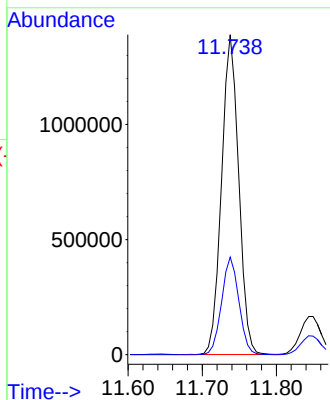
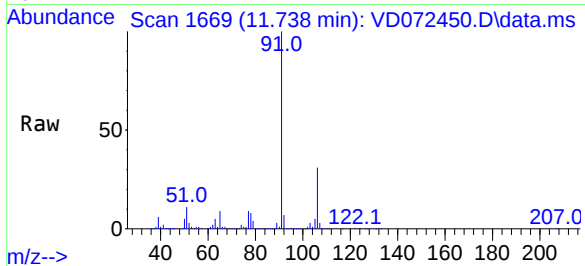




#67
Ethyl Benzene
Concen: 82.080 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

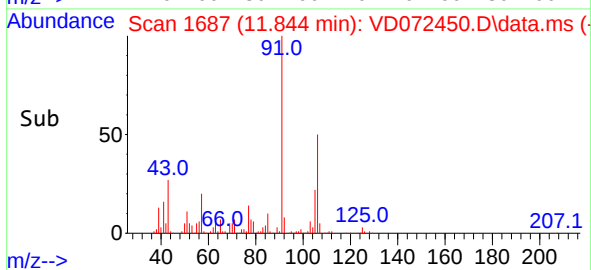
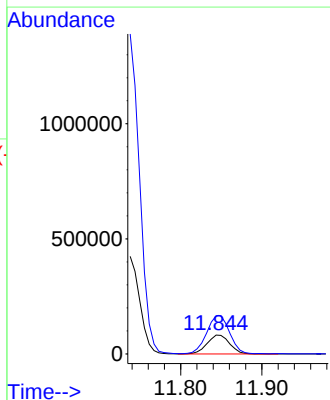
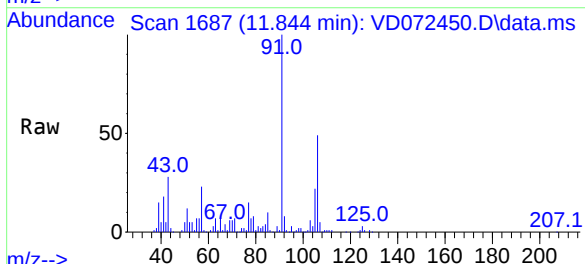
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A

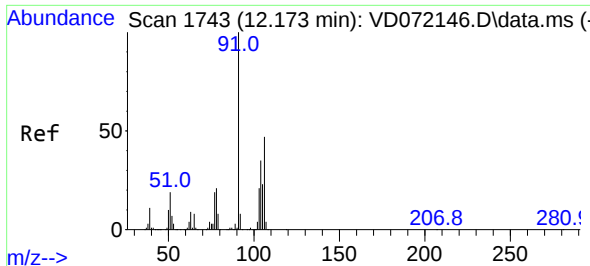
Tgt Ion: 91 Resp: 2231033
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4



#68
m/p-Xylenes
Concen: 15.227 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Tgt Ion:106 Resp: 157156
Ion Ratio Lower Upper
106 100
91 206.6 163.7 245.5

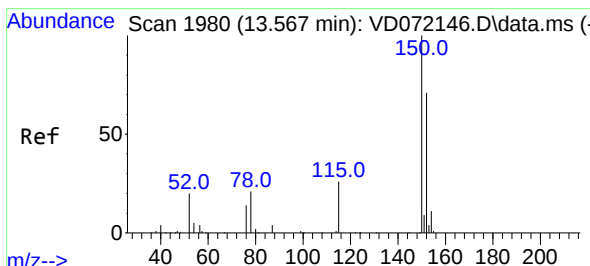
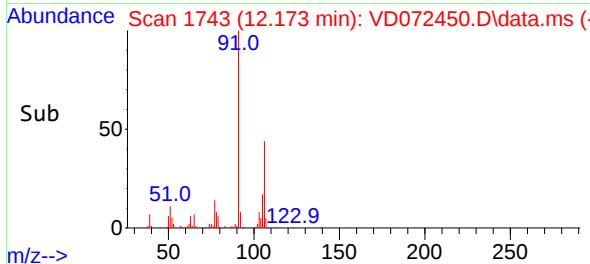
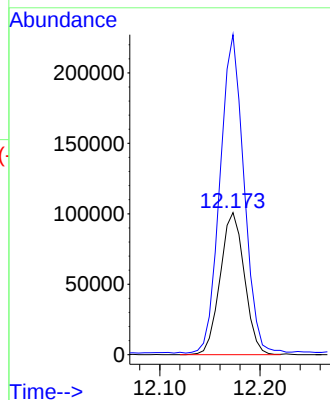
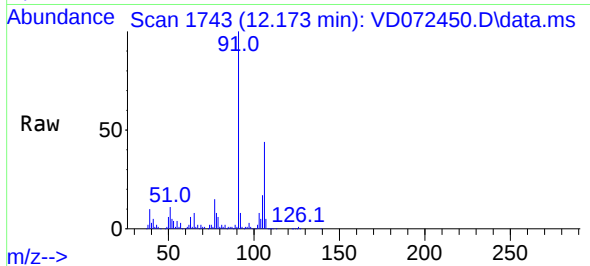




#69
o-Xylene
Concen: 17.148 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

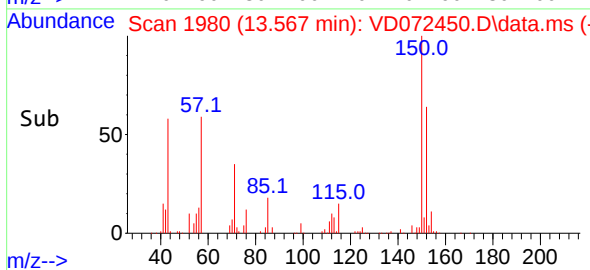
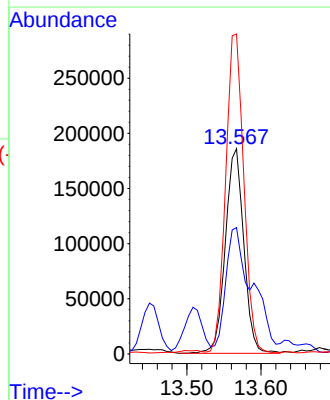
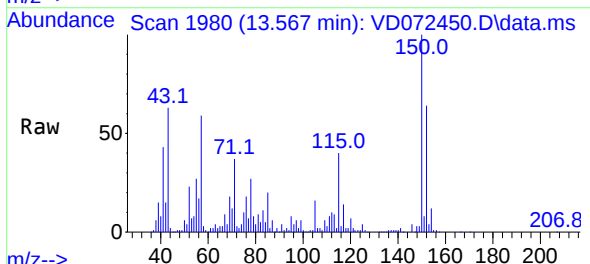
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A

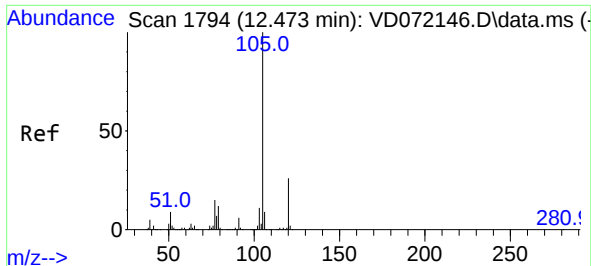
Tgt Ion:106 Resp: 169295
Ion Ratio Lower Upper
106 100
91 220.4 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Tgt Ion:152 Resp: 320788
Ion Ratio Lower Upper
152 100
115 79.1 31.3 93.8
150 152.6 0.0 348.6

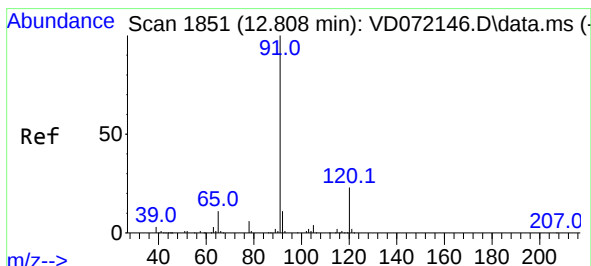
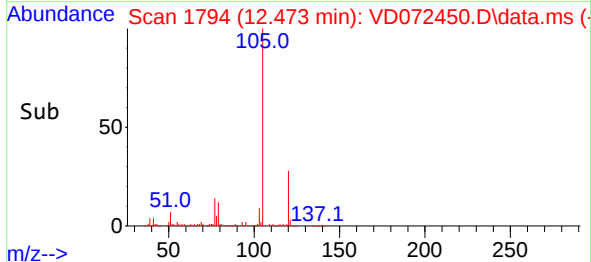
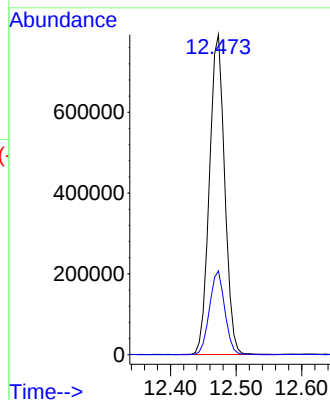
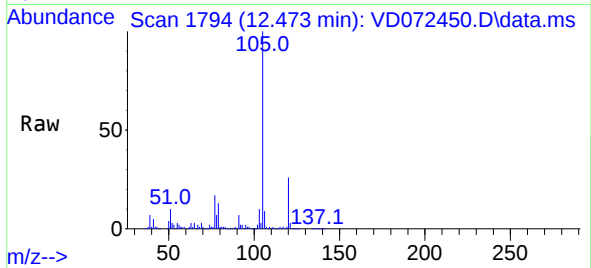




#73
Isopropylbenzene
Concen: 50.453 ug/l
RT: 12.473 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

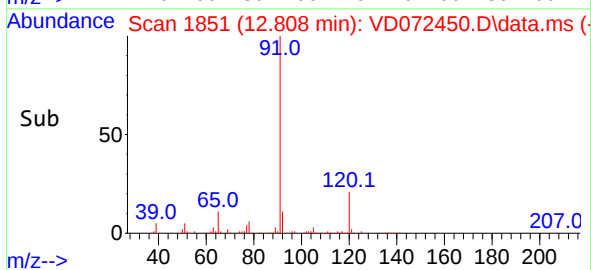
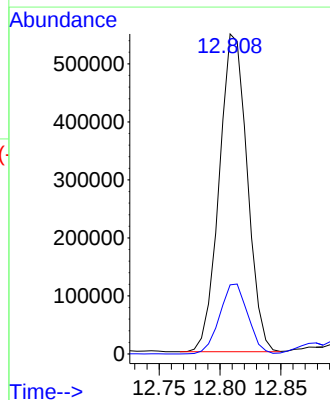
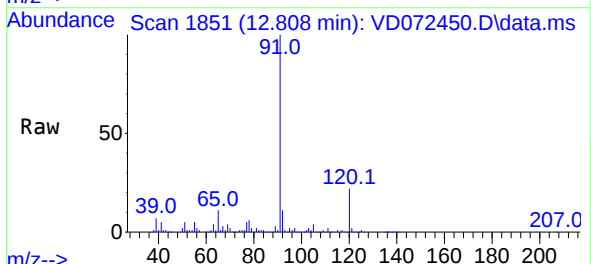
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A

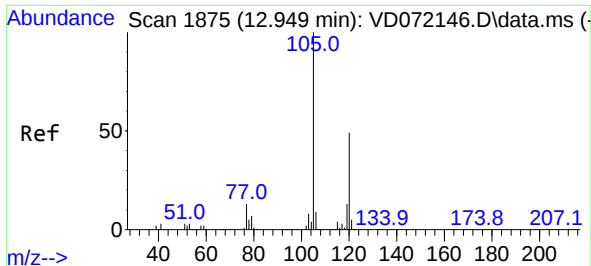
Tgt Ion:105 Resp: 1282561
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9



#78
n-propylbenzene
Concen: 28.424 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Tgt Ion: 91 Resp: 877653
Ion Ratio Lower Upper
91 100
120 22.2 10.9 32.9

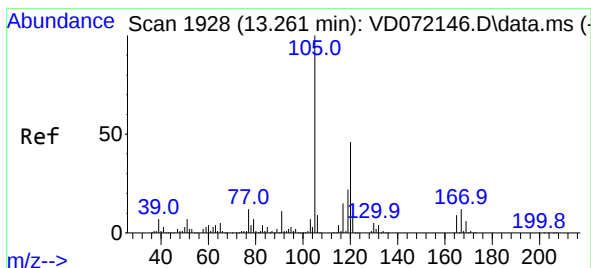
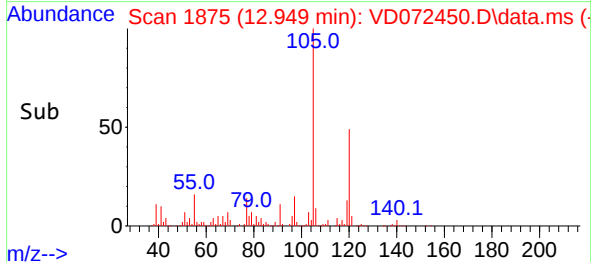
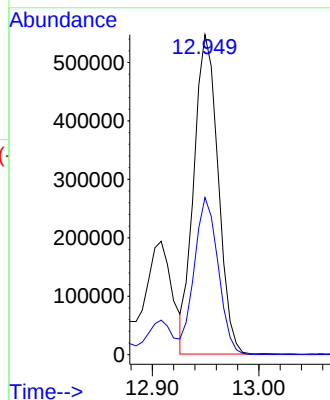
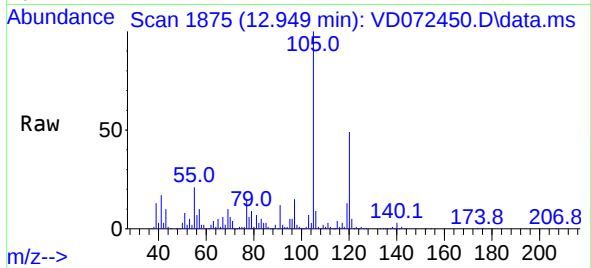




#80
1,3,5-Trimethylbenzene
Concen: 39.507 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

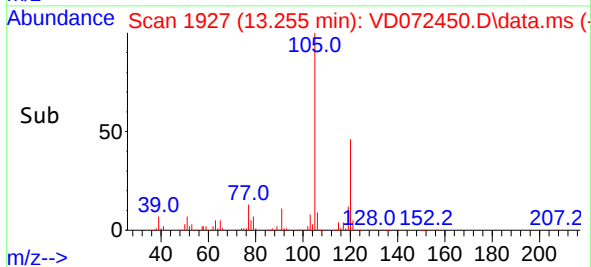
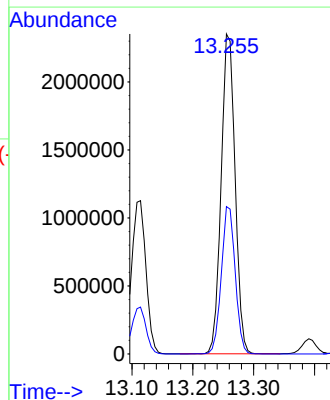
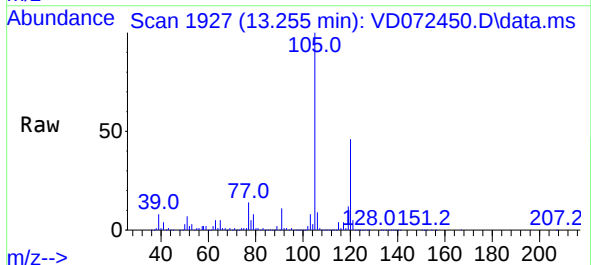
Instrument : MSVOA_D
ClientSampleId : SB-12-20220315-16.0-17.0-A

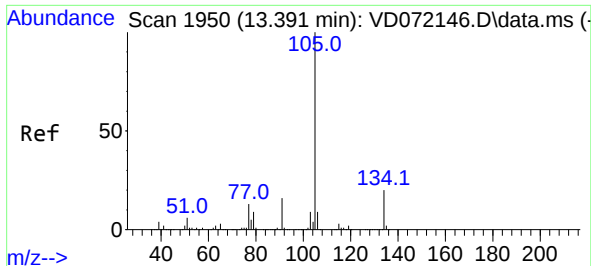
Tgt Ion:105 Resp: 862788
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 173.735 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Tgt Ion:105 Resp: 3738496
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.8

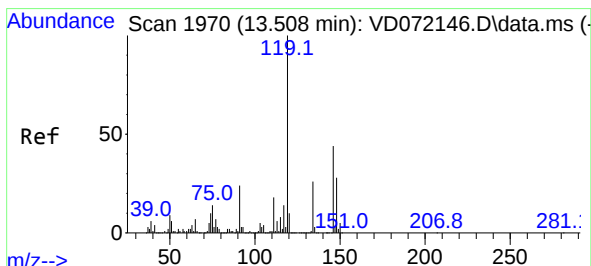
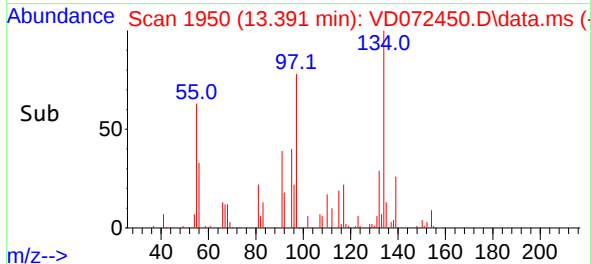
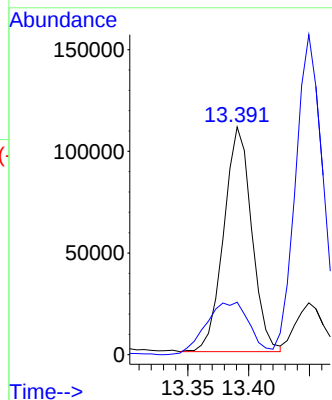
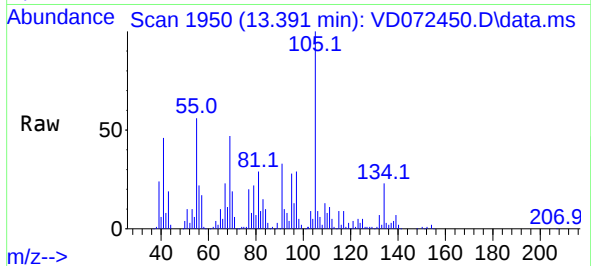




#85
sec-Butylbenzene
Concen: 6.146 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0-A

Tgt Ion:105 Resp: 176717
Ion Ratio Lower Upper
105 100
134 36.6 9.8 29.3#



#86
p-Isopropyltoluene
Concen: 24.739 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD072450.D
Acq: 28 Mar 2022 17:54

Tgt Ion:119 Resp: 585337
Ion Ratio Lower Upper
119 100
134 26.4 12.9 38.6
91 29.1 12.1 36.3

