

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072198.D
 Acq On : 15 Mar 2022 19:37
 Operator : VA/SY
 Sample : N1908-07
 Misc : 4.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-2

Quant Time: Mar 16 01:02:54 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)

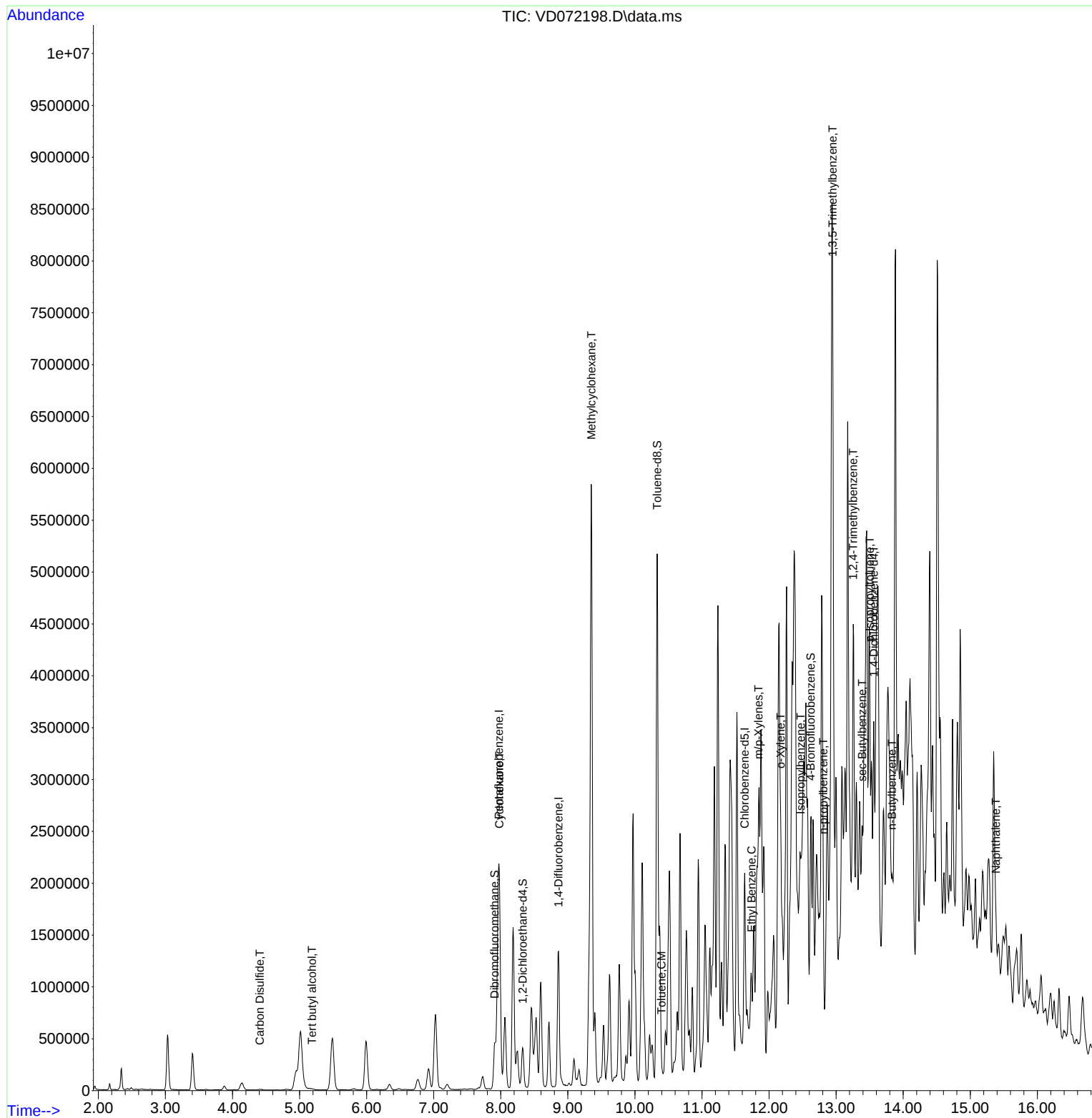
Internal Standards						
1) Pentafluorobenzene	7.973	168	622641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1044405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	894195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	205099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	310526	44.751	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.500%		
35) Dibromofluoromethane	7.908	113	316717	43.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.180%		
50) Toluene-d8	10.332	98	1382773	51.454	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.900%		
62) 4-Bromofluorobenzene	12.620	95	433458	41.511	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.020%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.185	59	10083	25.061	ug/l #	74
17) Carbon Disulfide	4.409	76	10895	2.292	ug/l #	93
31) Cyclohexane	7.979	56	806947	74.434	ug/l	95
39) Methylcyclohexane	9.350	83	2446126	210.831	ug/l	99
52) Toluene	10.397	92	29444	1.521	ug/l	99
67) Ethyl Benzene	11.738	91	225979	6.382	ug/l	99
68) m/p-Xylenes	11.844	106	150972	11.229	ug/l	96
69) o-Xylene	12.173	106	317265	24.671	ug/l	98
73) Isopropylbenzene	12.473	105	259020	15.937	ug/l	98
78) n-propylbenzene	12.808	91	355074	17.986	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	862222	61.751	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1667057	121.170	ug/l	98
85) sec-Butylbenzene	13.390	105	215708	11.734	ug/l #	70
86) p-Isopropyltoluene	13.502	119	571436	37.775	ug/l	99
89) n-Butylbenzene	13.832	91	139709	9.689	ug/l #	70
95) Naphthalene	15.384	128	463305	60.733	ug/l #	80

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

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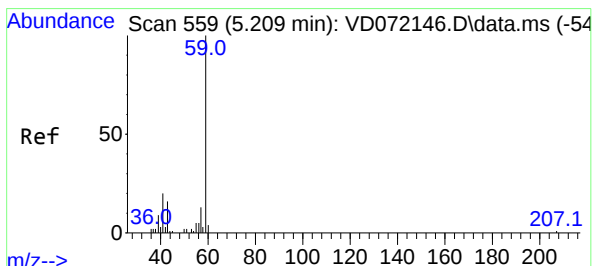
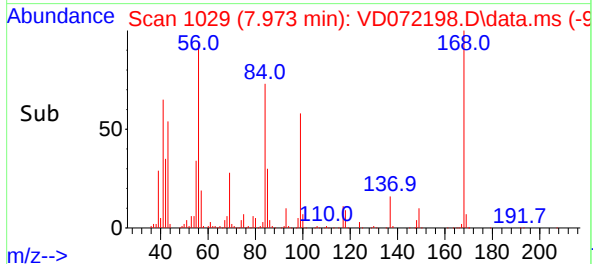
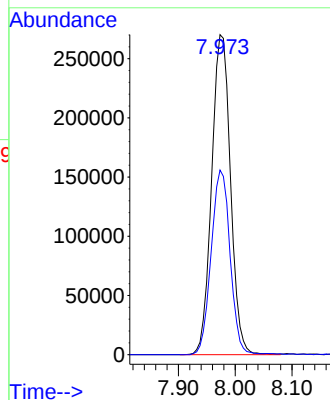
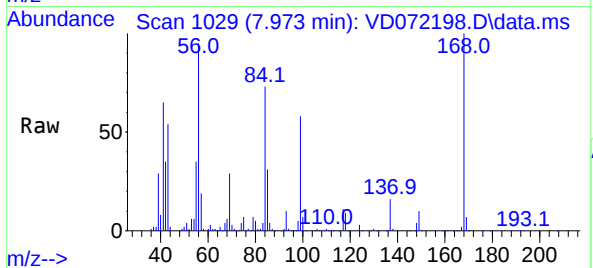




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

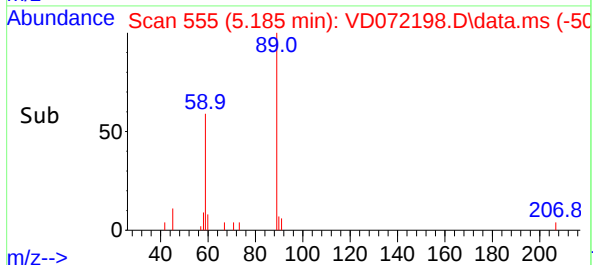
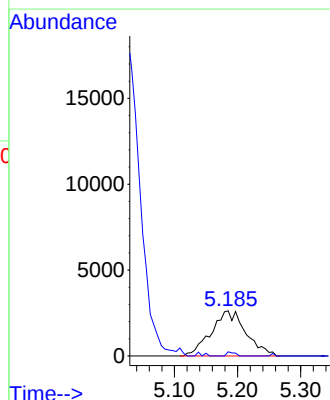
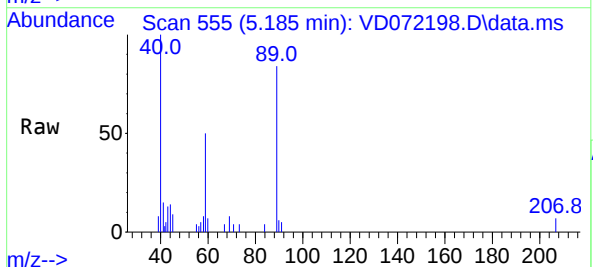
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-2

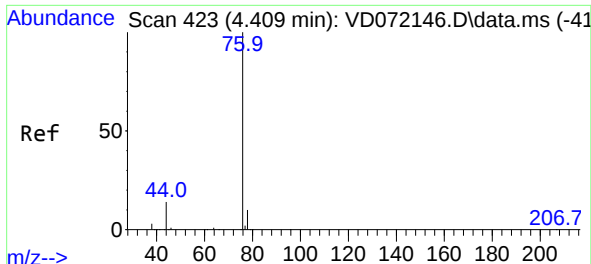
Tgt Ion:168 Resp: 622641
Ion Ratio Lower Upper
168 100
99 57.7 49.8 74.6



#11
Tert butyl alcohol
Concen: 25.061 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.024 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion: 59 Resp: 10083
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

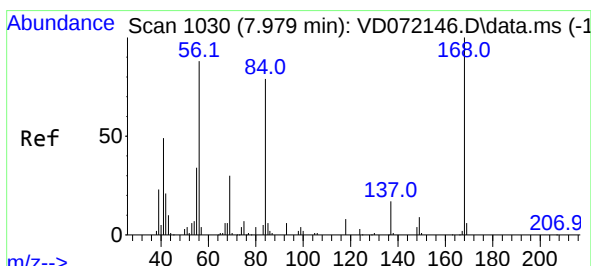
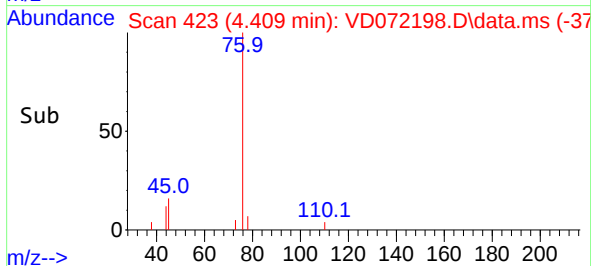
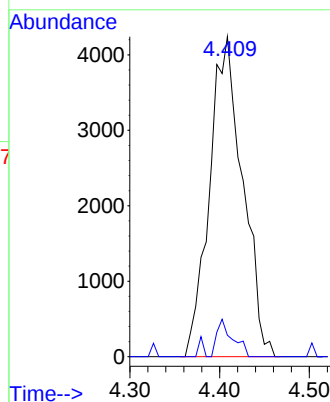
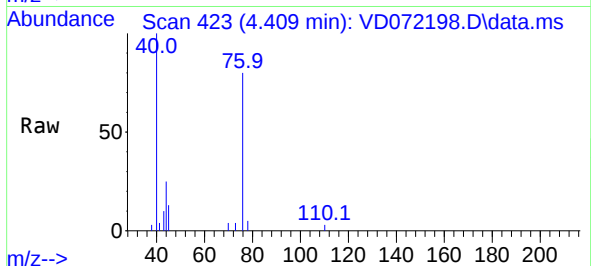




#17
Carbon Disulfide
Concen: 2.292 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

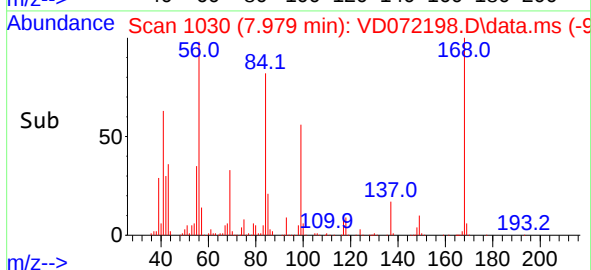
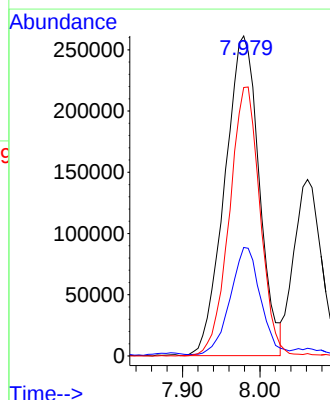
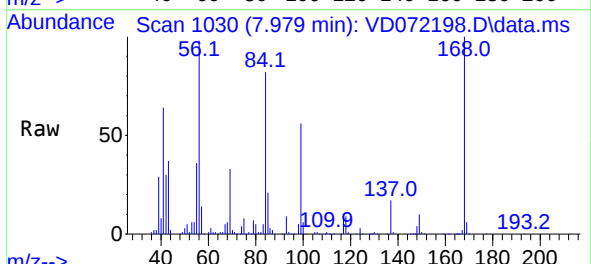
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-2

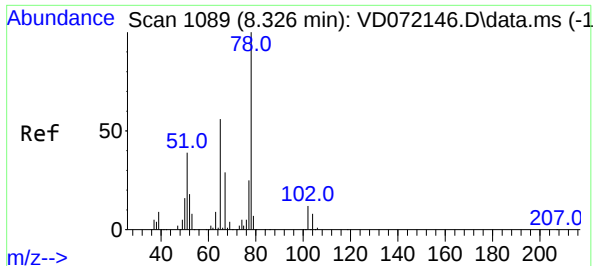
Tgt Ion: 76 Resp: 10895
Ion Ratio Lower Upper
76 100
78 6.7 7.5 11.3#



#31
Cyclohexane
Concen: 74.434 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion: 56 Resp: 806947
Ion Ratio Lower Upper
56 100
69 33.2 25.4 38.2
84 83.9 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 44.751 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072198.D

Acq: 15 Mar 2022 19:37

Instrument :

MSVOA_D

ClientSampleId :

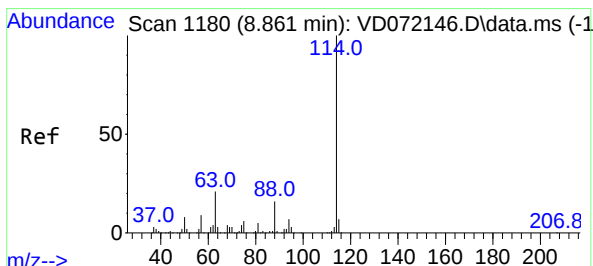
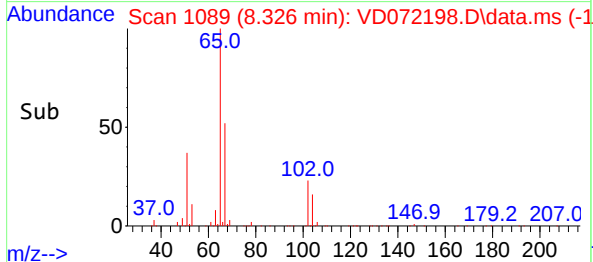
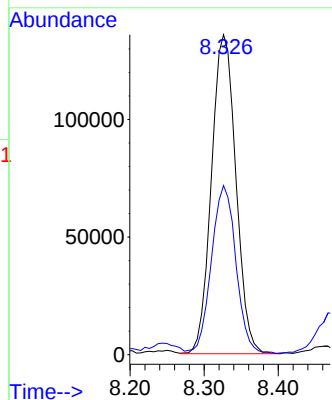
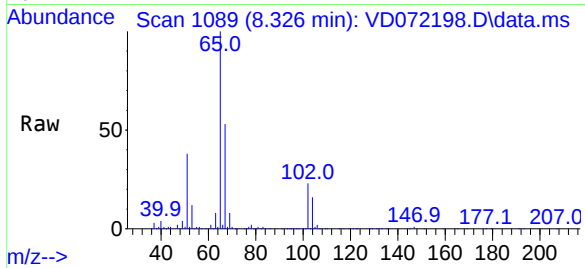
WC-14A-2

Tgt Ion: 65 Resp: 310526

Ion Ratio Lower Upper

65 100

67 52.7 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: VD072198.D

Acq: 15 Mar 2022 19:37

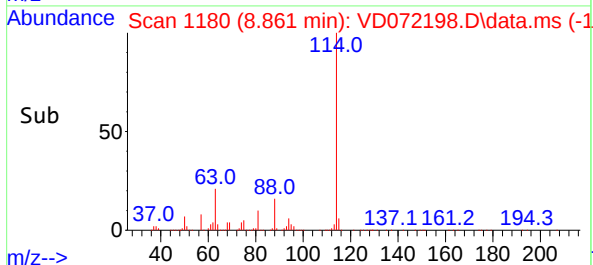
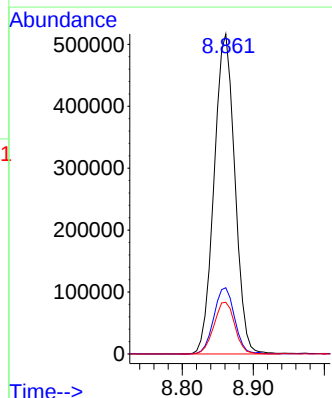
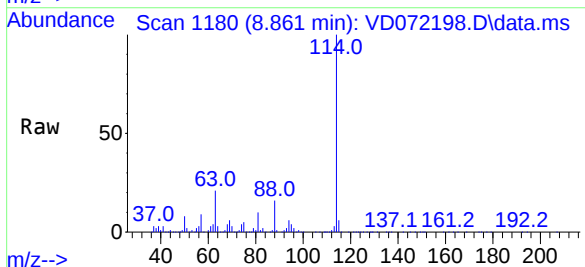
Tgt Ion: 114 Resp: 1044405

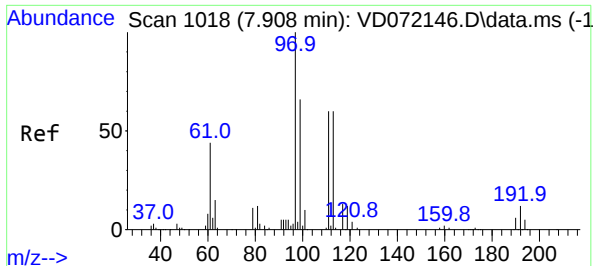
Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 16.1 0.0 33.2

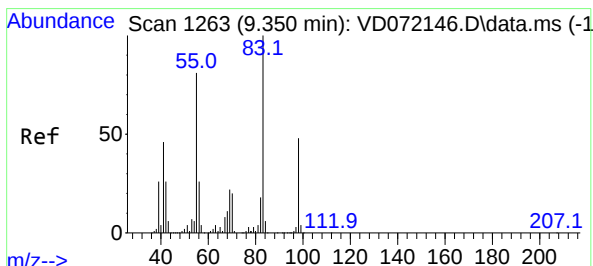
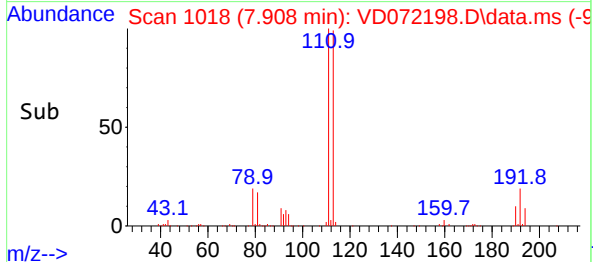
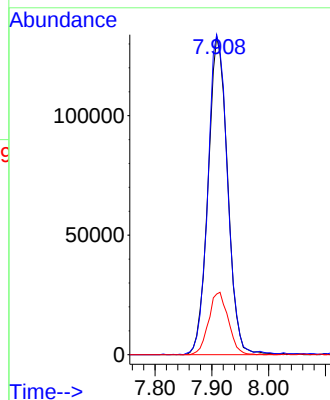
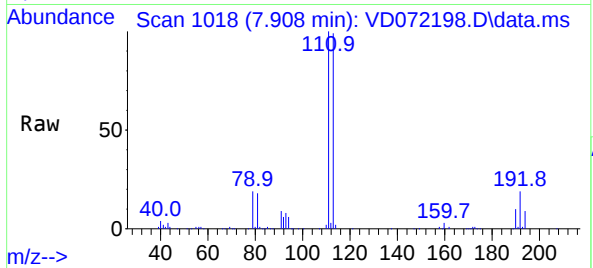




#35
Dibromofluoromethane
Concen: 43.093 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

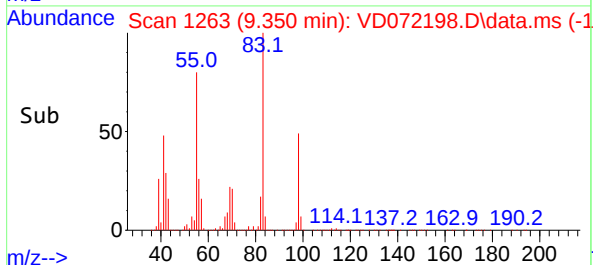
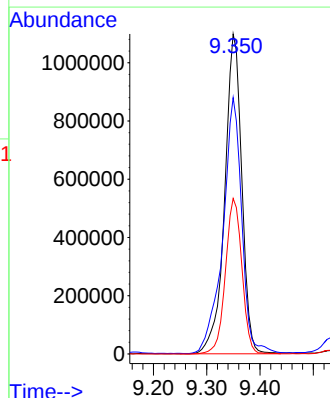
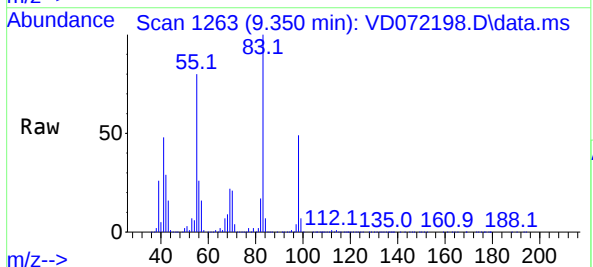
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-2

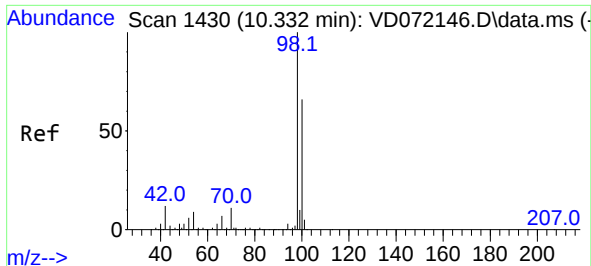
Tgt Ion:113 Resp: 316717
Ion Ratio Lower Upper
113 100
111 100.8 83.8 125.6
192 19.7 14.6 21.8



#39
Methylcyclohexane
Concen: 210.831 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion: 83 Resp: 2446126
Ion Ratio Lower Upper
83 100
55 80.0 63.2 94.8
98 48.6 38.2 57.4

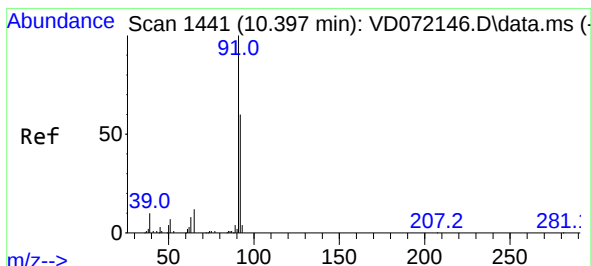
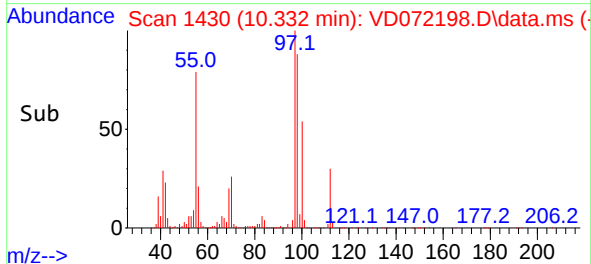
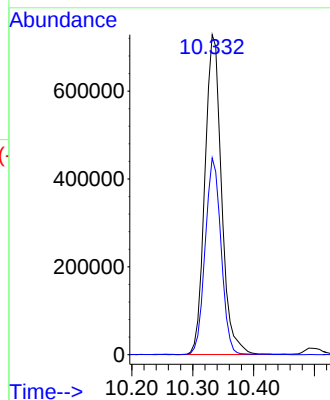
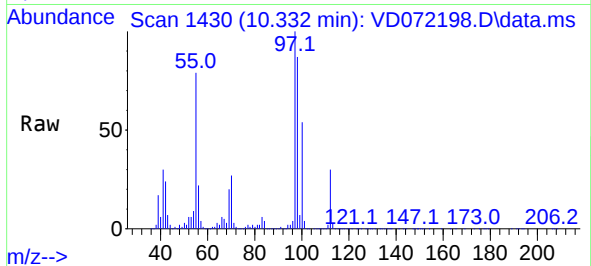




#50
Toluene-d8
Concen: 51.454 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

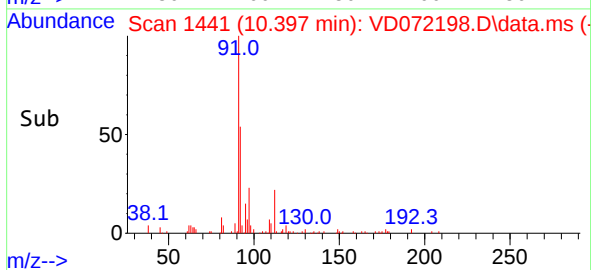
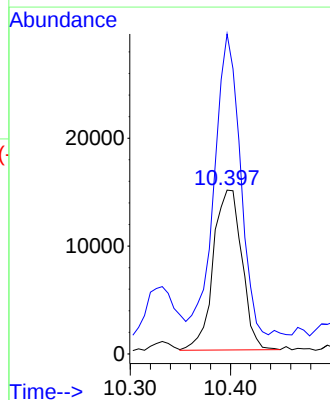
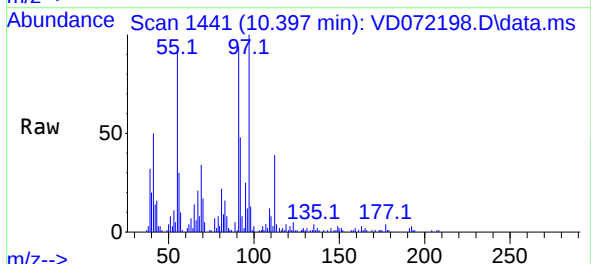
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-2

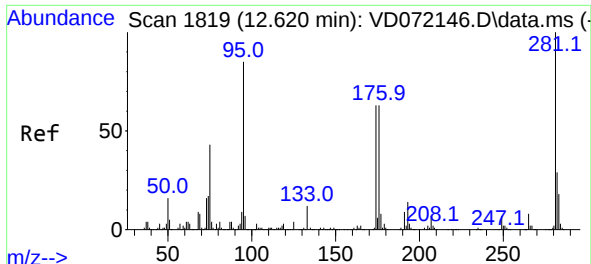
Tgt Ion: 98 Resp: 1382773
Ion Ratio Lower Upper
98 100
100 58.6 52.4 78.6



#52
Toluene
Concen: 1.521 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion: 92 Resp: 29444
Ion Ratio Lower Upper
92 100
91 173.4 139.6 209.4

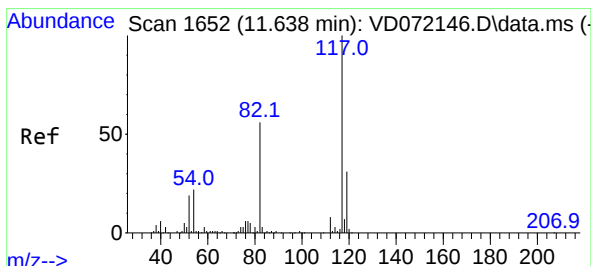
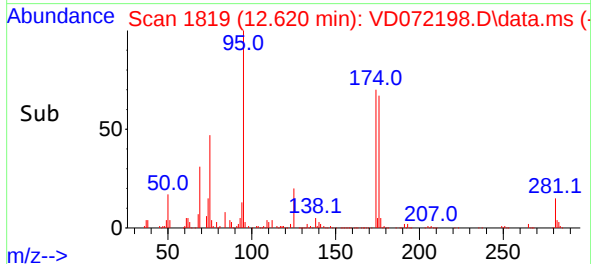
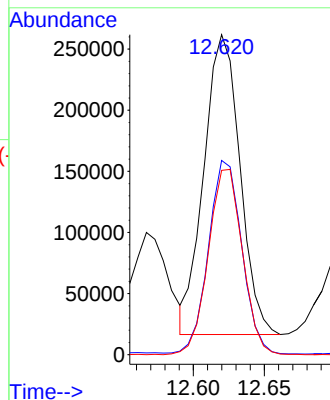
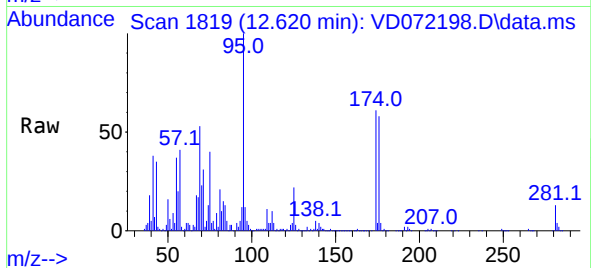




#62
4-Bromofluorobenzene
Concen: 41.511 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

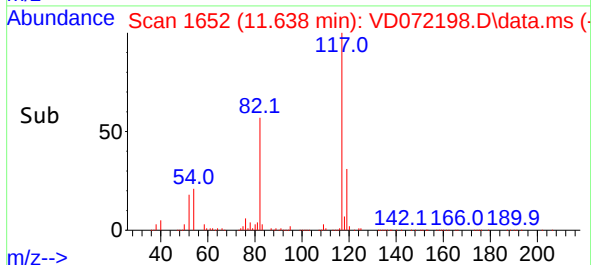
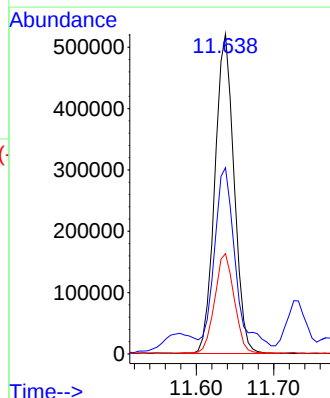
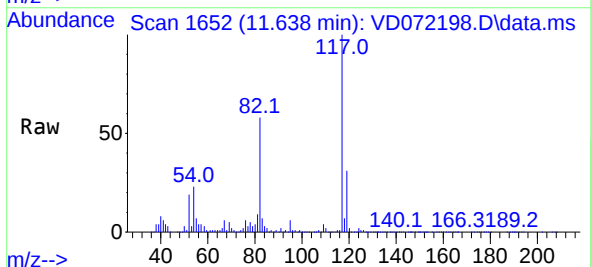
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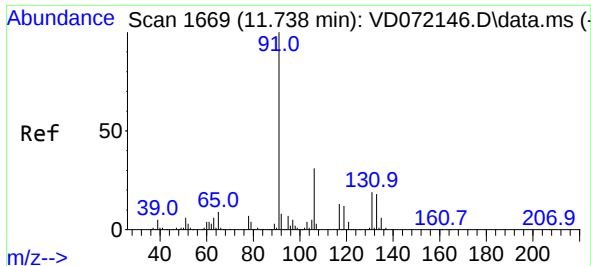
Tgt Ion: 95 Resp: 433458
Ion Ratio Lower Upper
95 100
174 59.6 0.0 152.8
176 58.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion: 117 Resp: 894195
Ion Ratio Lower Upper
117 100
82 54.0 45.3 67.9
119 31.1 26.6 40.0

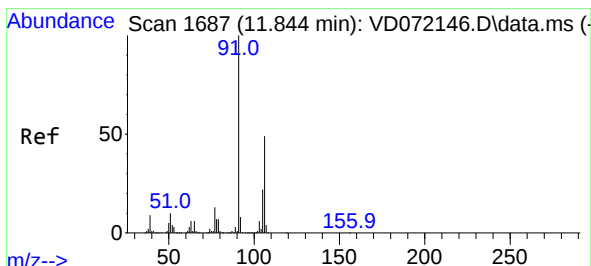
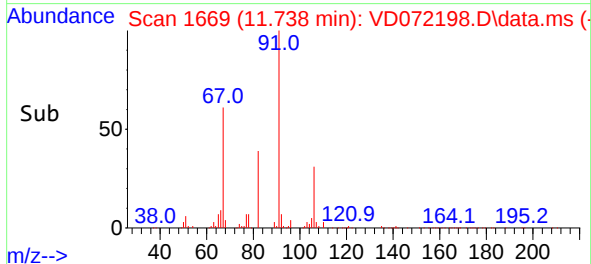
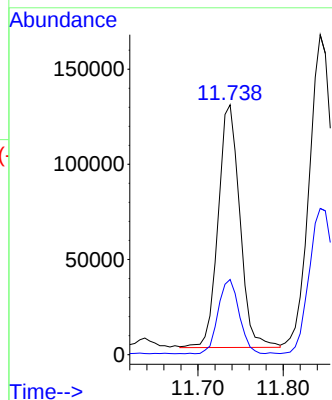
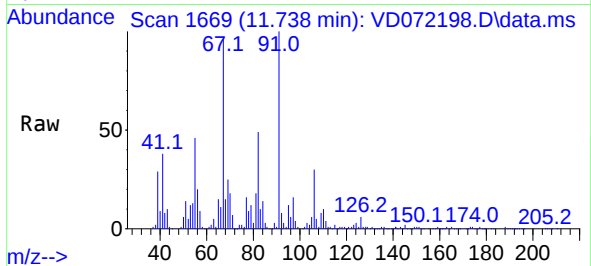




#67
Ethyl Benzene
Concen: 6.382 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

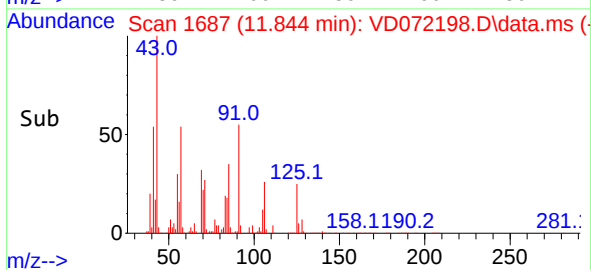
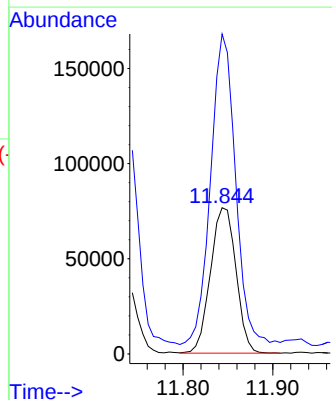
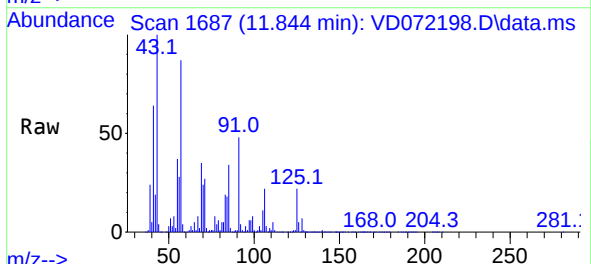
Instrument :
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WC-14A-2

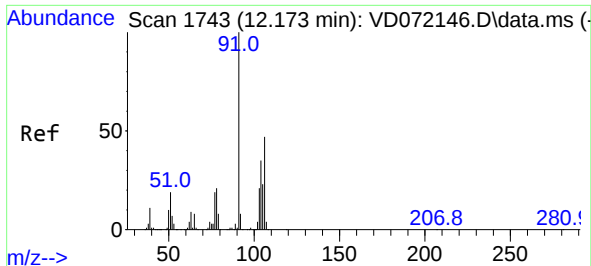
Tgt Ion: 91 Resp: 225979
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4



#68
m/p-Xylenes
Concen: 11.229 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion: 106 Resp: 150972
Ion Ratio Lower Upper
106 100
91 210.6 163.7 245.5

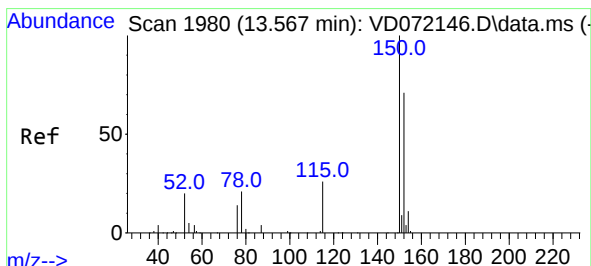
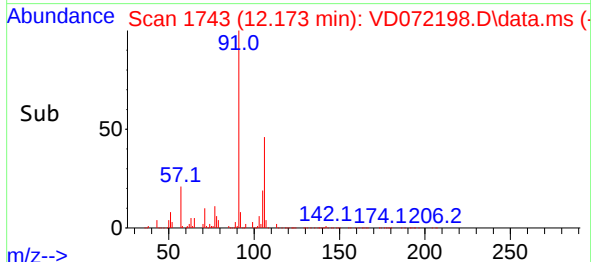
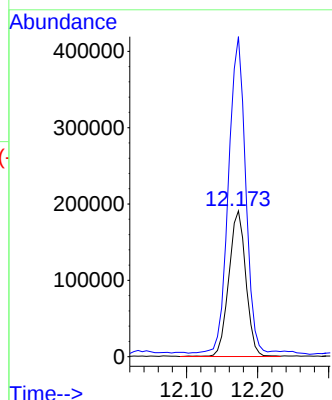
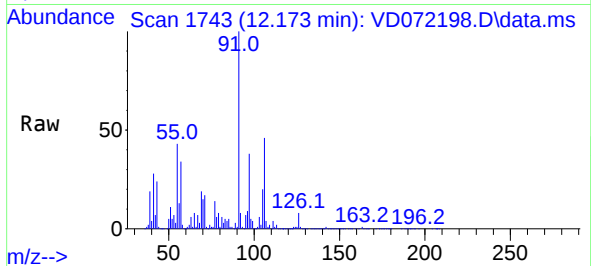




#69
o-Xylene
Concen: 24.671 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

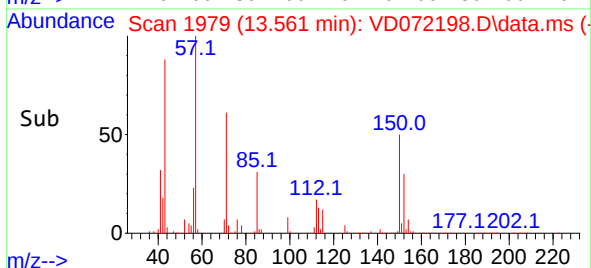
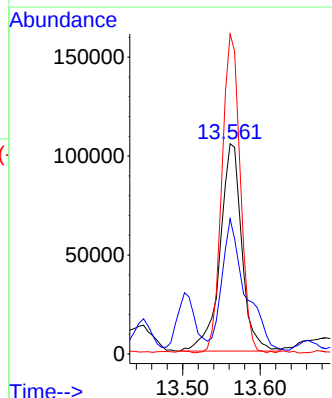
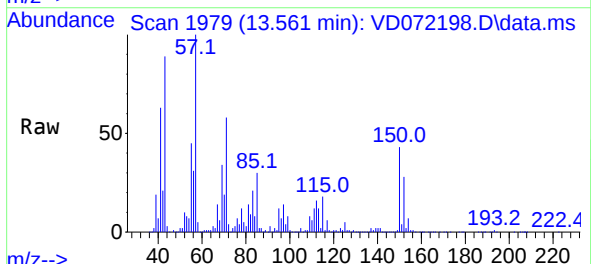
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-2

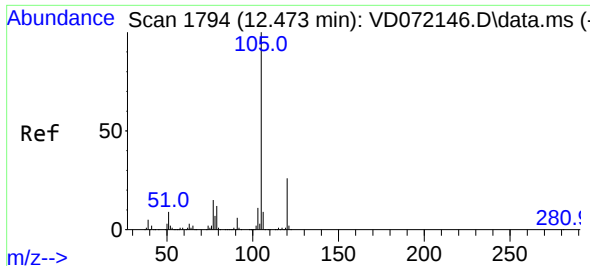
Tgt Ion:106 Resp: 317265
Ion Ratio Lower Upper
106 100
91 217.8 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion:152 Resp: 205099
Ion Ratio Lower Upper
152 100
115 68.3 31.3 93.8
150 129.9 0.0 348.6

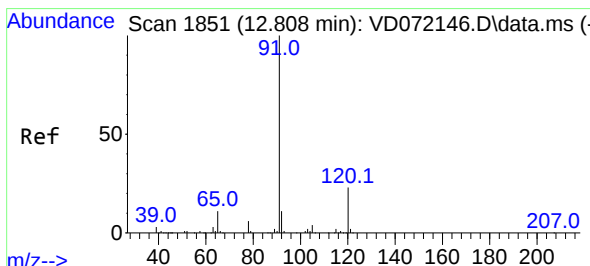
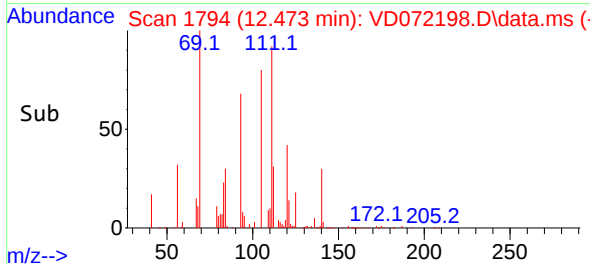
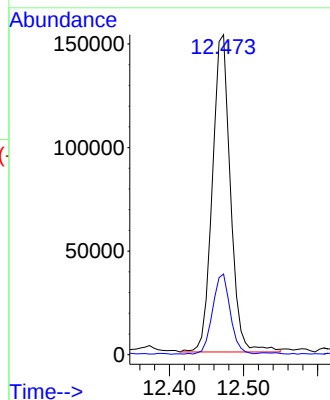
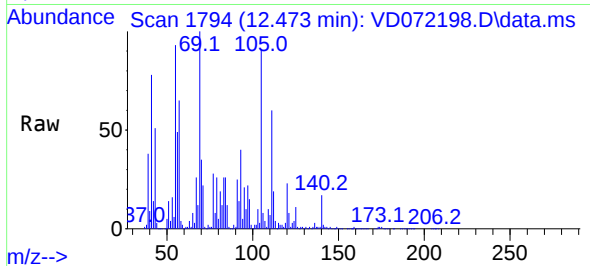




#73
Isopropylbenzene
Concen: 15.937 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

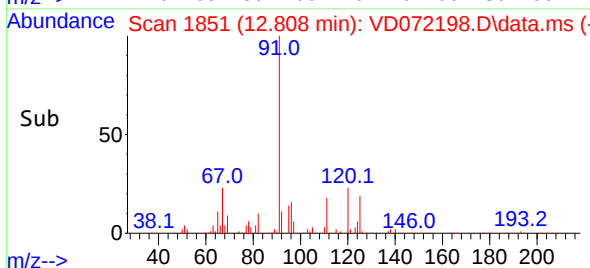
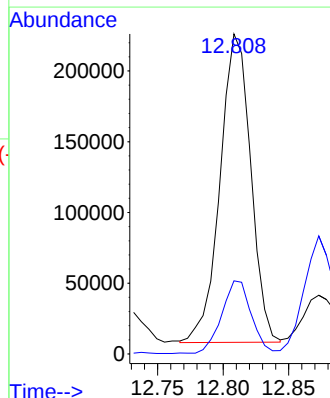
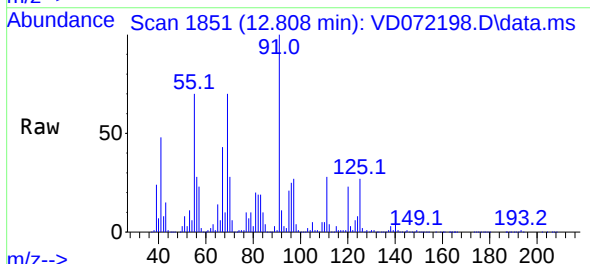
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-2

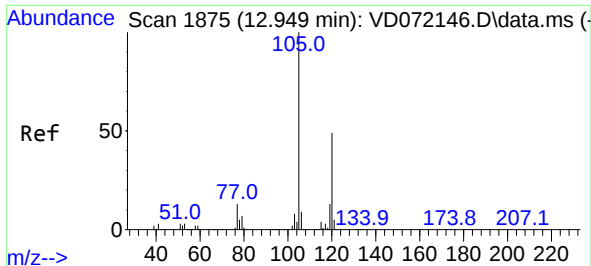
Tgt Ion:105 Resp: 259020
Ion Ratio Lower Upper
105 100
120 24.9 13.0 38.9



#78
n-propylbenzene
Concen: 17.986 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion: 91 Resp: 355074
Ion Ratio Lower Upper
91 100
120 22.6 10.9 32.9

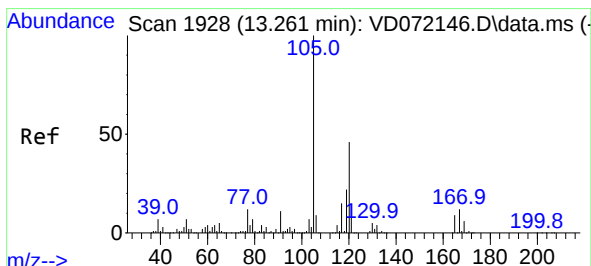
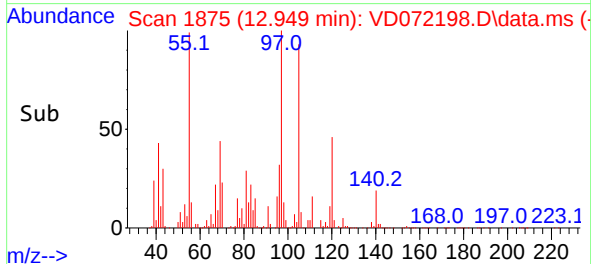
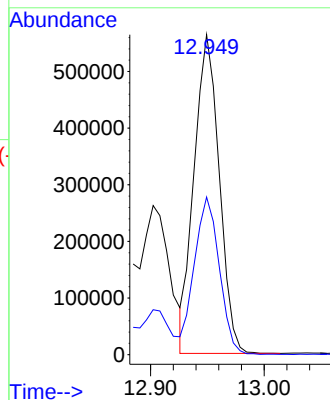
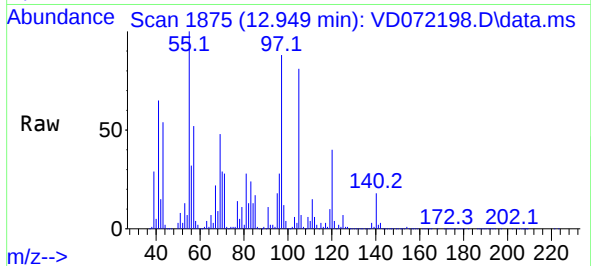




#80
1,3,5-Trimethylbenzene
Concen: 61.751 ug/l
RT: 12.949 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

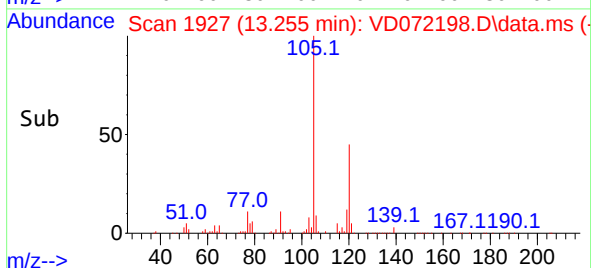
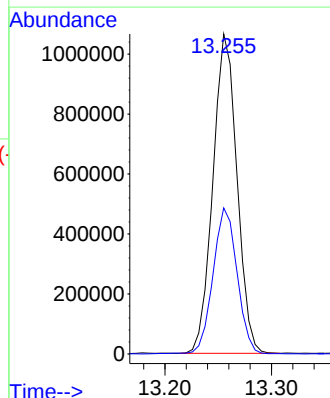
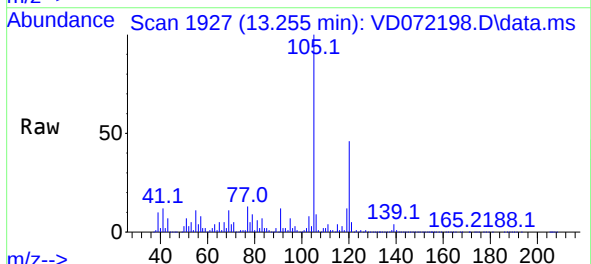
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-2

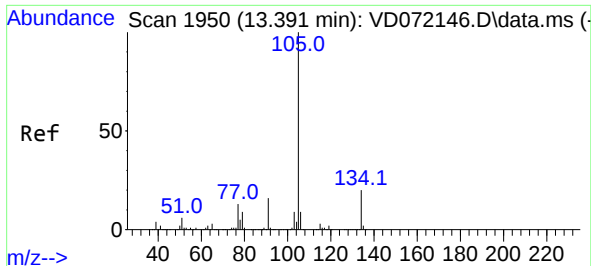
Tgt Ion:105 Resp: 862222
Ion Ratio Lower Upper
105 100
120 49.2 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 121.170 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion:105 Resp: 1667057
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.8

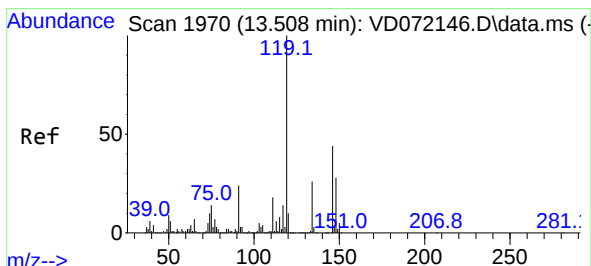
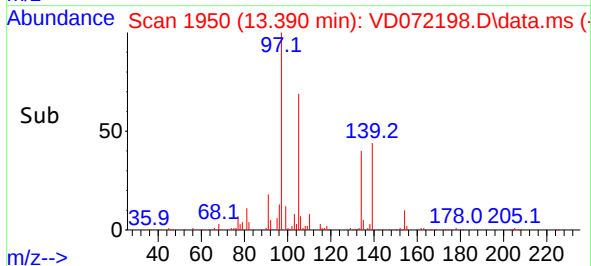
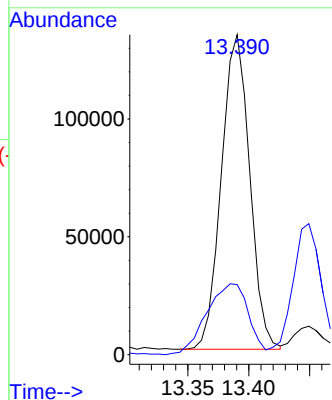
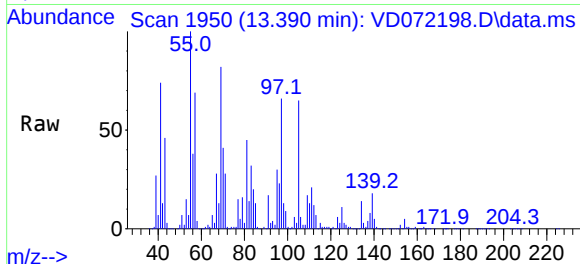




#85
sec-Butylbenzene
Concen: 11.734 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

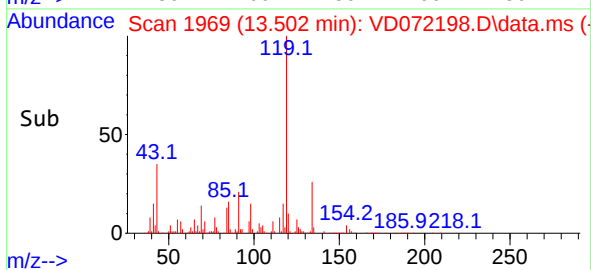
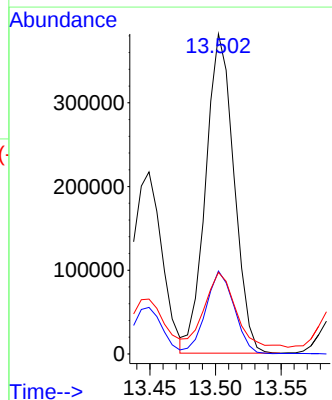
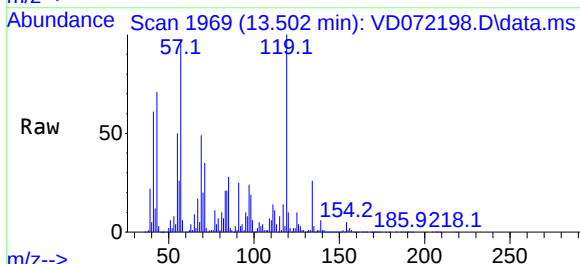
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-2

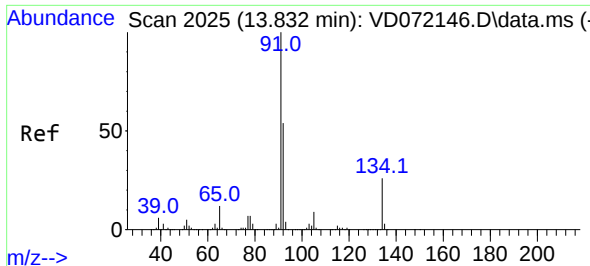
Tgt Ion:105 Resp: 215708
Ion Ratio Lower Upper
105 100
134 33.1 9.8 29.3#



#86
p-Isopropyltoluene
Concen: 37.775 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion:119 Resp: 571436
Ion Ratio Lower Upper
119 100
134 25.8 12.9 38.6
91 25.6 12.1 36.3

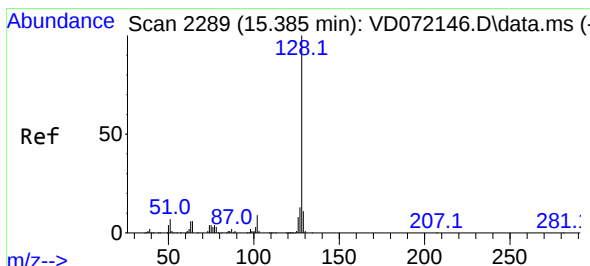
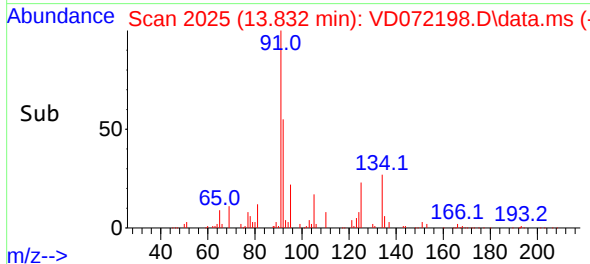
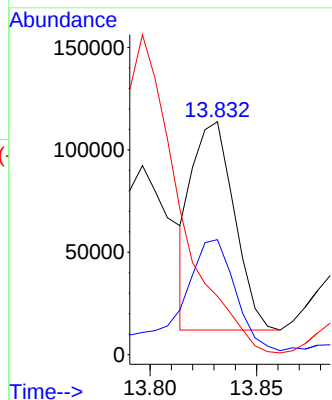
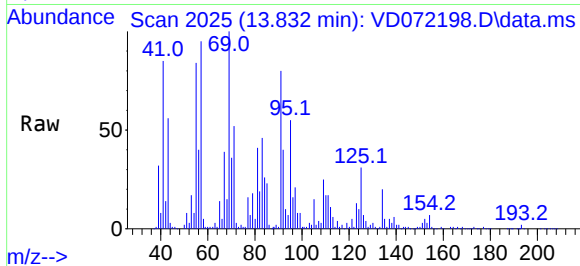




#89
n-Butylbenzene
Concen: 9.689 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-2

Tgt Ion: 91 Resp: 139709
Ion Ratio Lower Upper
91 100
92 68.6 26.6 79.8
134 0.0 12.3 36.9#



#95
Naphthalene
Concen: 60.733 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072198.D
Acq: 15 Mar 2022 19:37

Tgt Ion:128 Resp: 463305
Ion Ratio Lower Upper
128 100
127 25.6 10.3 15.5#
129 12.1 8.4 12.6

