

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042222\
 Data File : VD072694.D
 Acq On : 22 Apr 2022 15:14
 Operator : VA/SY
 Sample : N2480-03
 Misc : 6.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-16-1A-1

Quant Time: Apr 22 23:45:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

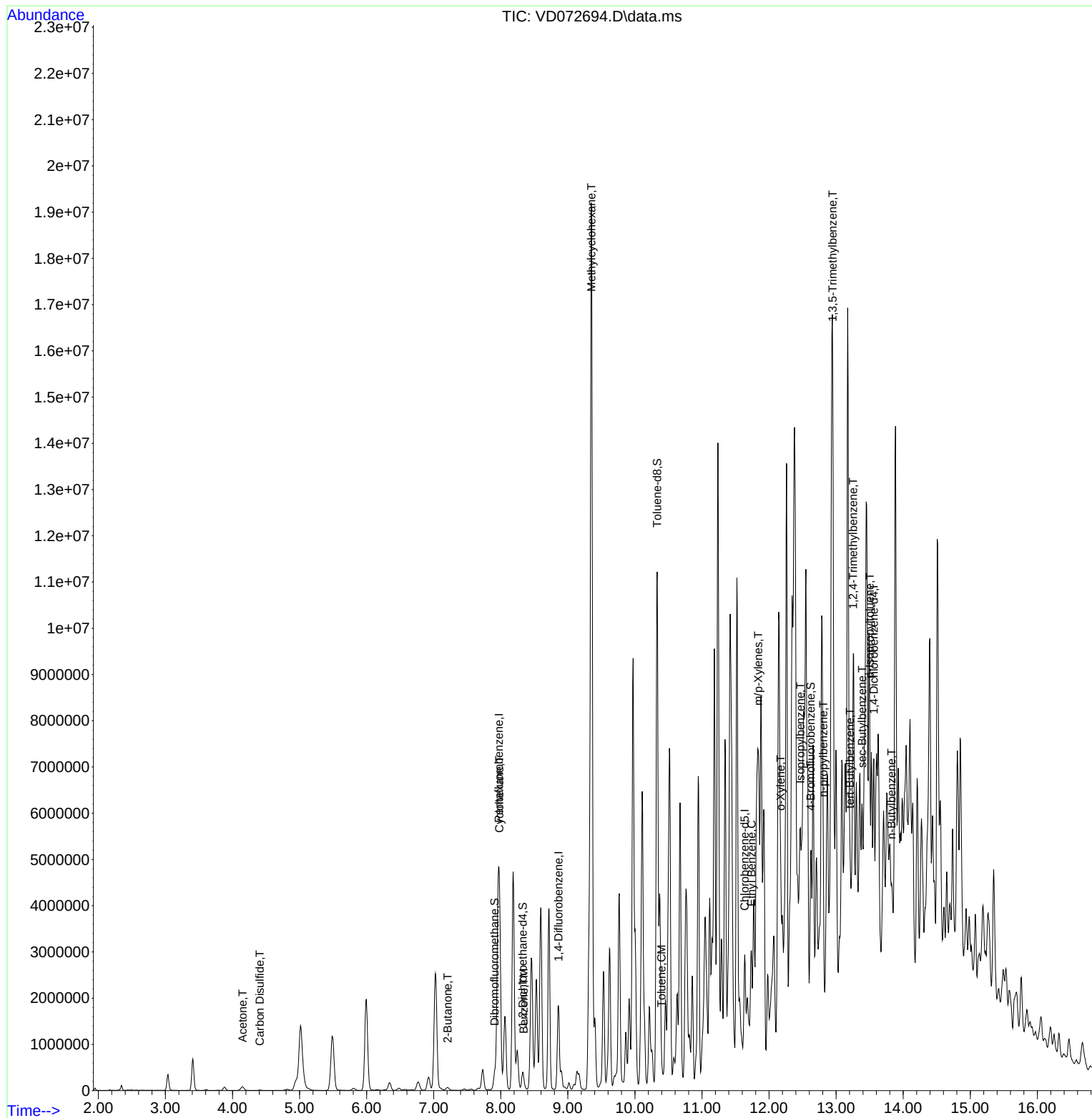
Internal Standards						
1) Pentafluorobenzene	7.973	168	560517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	938481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	772599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	275916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	269516	39.748	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.500%
35) Dibromofluoromethane	7.908	113	280181	38.416	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.840%
50) Toluene-d8	10.332	98	1562015	61.613	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	123.220%
62) 4-Bromofluorobenzene	12.620	95	560418	56.602	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.200%
Target Compounds						
					Qvalue	
16) Acetone	4.150	43	103240	81.655	ug/l	100
17) Carbon Disulfide	4.408	76	18942	5.237	ug/l	96
25) 2-Butanone	7.208	43	48951	27.994	ug/l	92
31) Cyclohexane	7.979	56	2365986	266.859	ug/l	94
39) Methylcyclohexane	9.349	83	8496209	740.588	ug/l	96
40) Benzene	8.344	78	77156	3.029	ug/l	91
52) Toluene	10.396	92	137177	8.107	ug/l	96
67) Ethyl Benzene	11.737	91	566499	18.796	ug/l	97
68) m/p-Xylenes	11.837	106	996903	87.183	ug/l	98
69) o-Xylene	12.173	106	442572	40.115	ug/l	100
73) Isopropylbenzene	12.467	105	901035	40.436	ug/l	100
78) n-propylbenzene	12.808	91	1355254	50.415	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1386758	72.665	ug/l	99
83) tert-Butylbenzene	13.208	119	121300	7.342	ug/l	86
84) 1,2,4-Trimethylbenzene	13.255	105	3288808	176.230	ug/l	98
85) sec-Butylbenzene	13.390	105	702282	28.220	ug/l #	75
86) p-Isopropyltoluene	13.502	119	482630	23.726	ug/l	92
89) n-Butylbenzene	13.826	91	708441	36.560	ug/l #	73

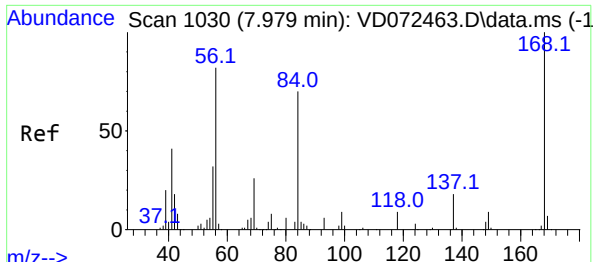
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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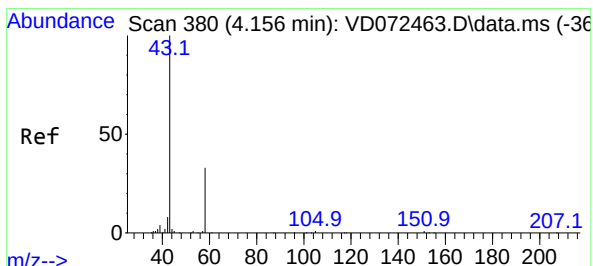
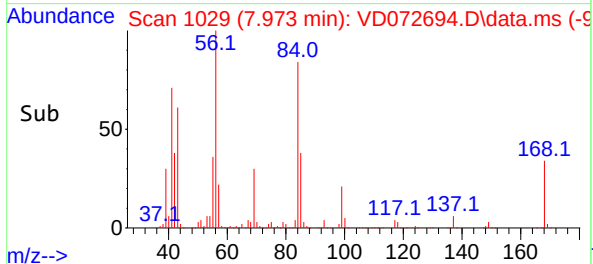
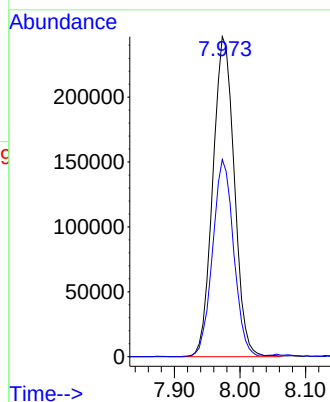
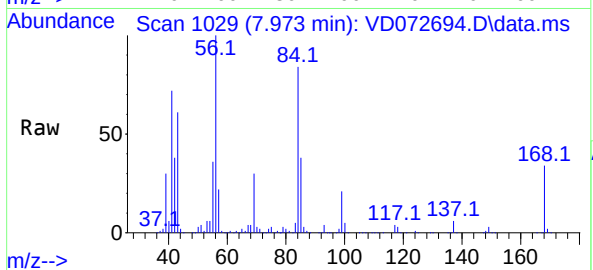




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

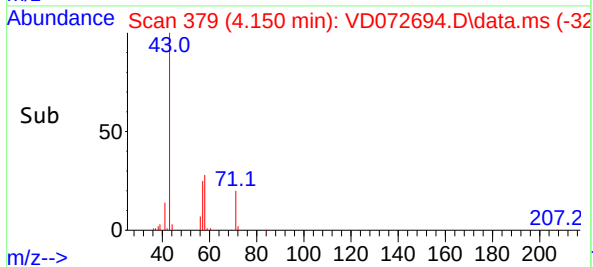
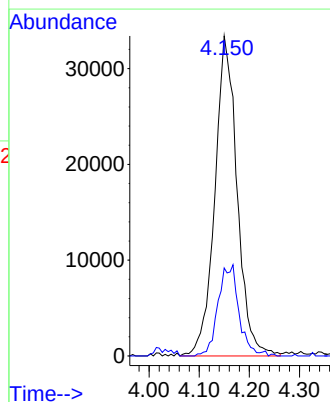
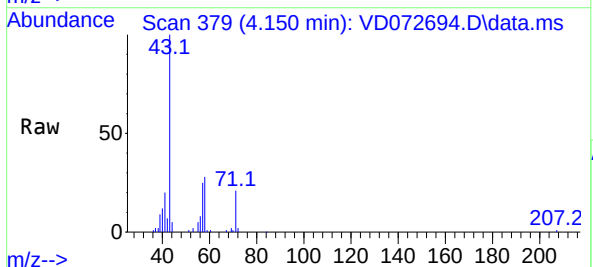
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

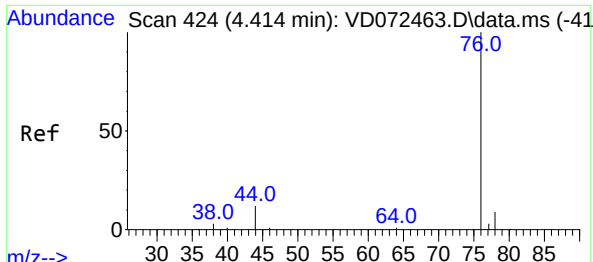
Tgt Ion:168 Resp: 560517
Ion Ratio Lower Upper
168 100
99 61.6 49.8 74.6



#16
Acetone
Concen: 81.655 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion: 43 Resp: 103240
Ion Ratio Lower Upper
43 100
58 27.5 22.1 33.1

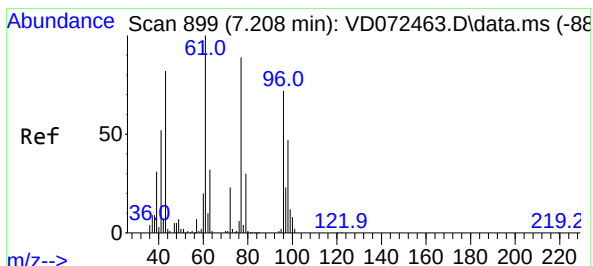
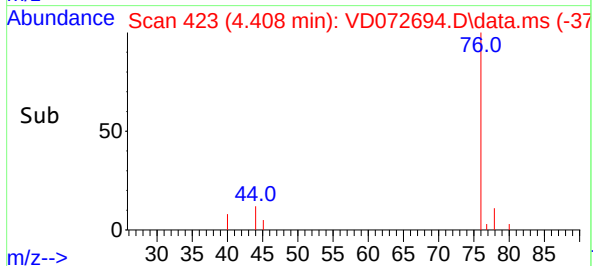
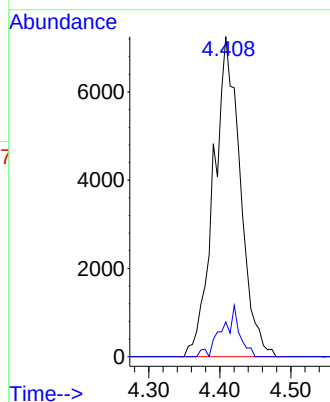
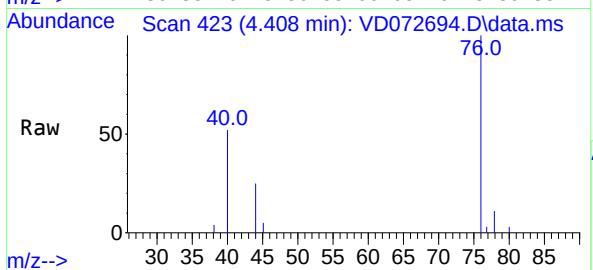




#17
Carbon Disulfide
Concen: 5.237 ug/l
RT: 4.408 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

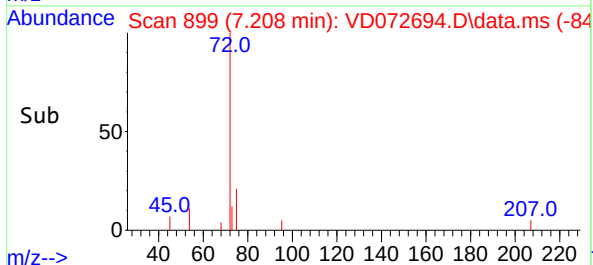
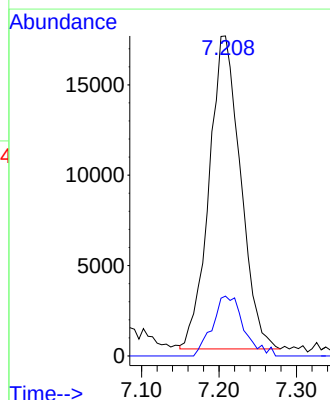
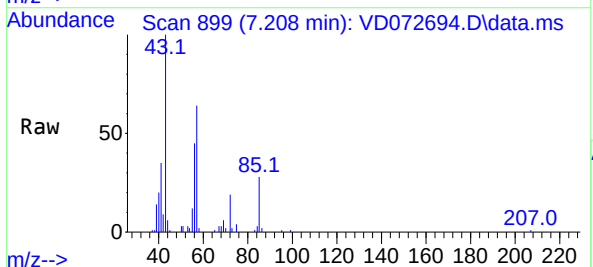
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

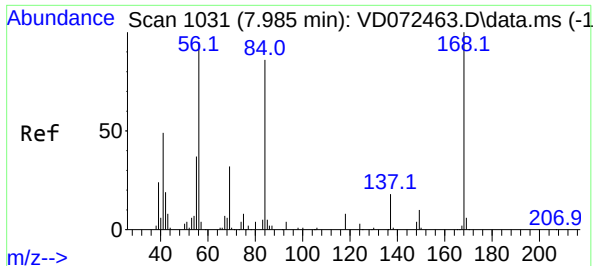
Tgt Ion: 76 Resp: 18942
Ion Ratio Lower Upper
76 100
78 10.9 7.5 11.3



#25
2-Butanone
Concen: 27.994 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion: 43 Resp: 48951
Ion Ratio Lower Upper
43 100
72 19.1 18.6 27.8

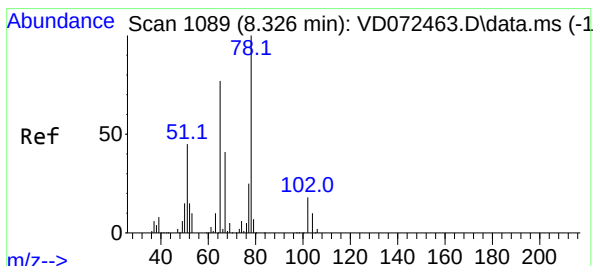
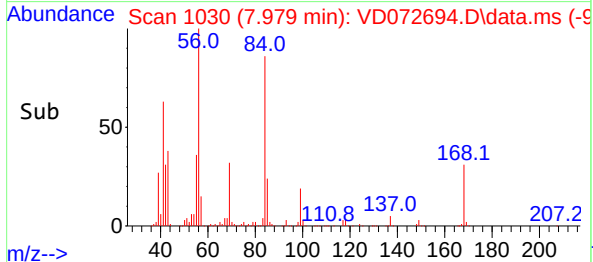
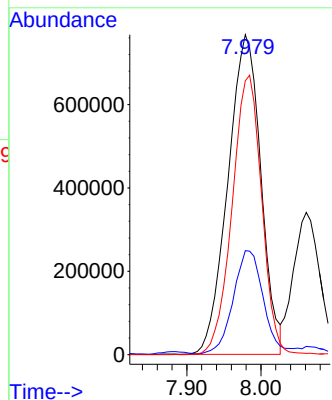
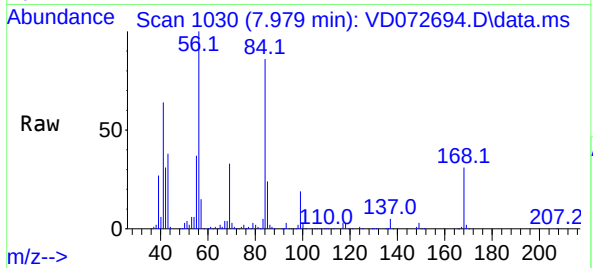




#31
Cyclohexane
Concen: 266.859 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

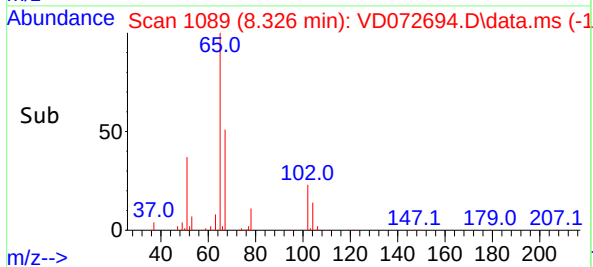
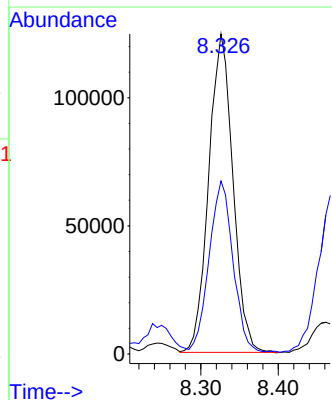
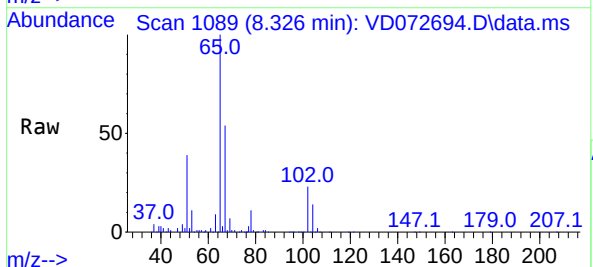
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

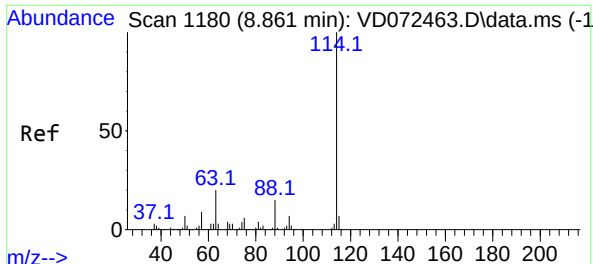
Tgt Ion: 56 Resp: 2365986
Ion Ratio Lower Upper
56 100
69 31.8 25.4 38.2
84 85.7 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 39.748 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion: 65 Resp: 269516
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.4



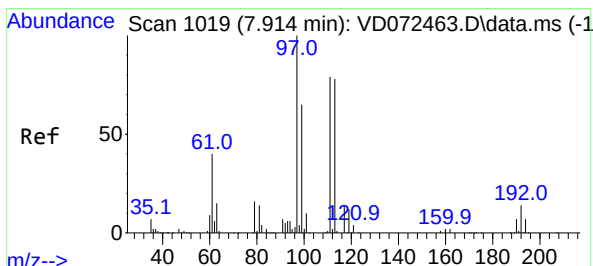
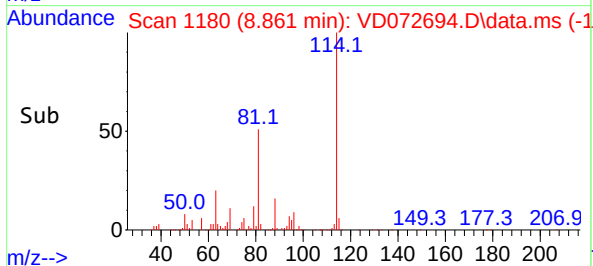
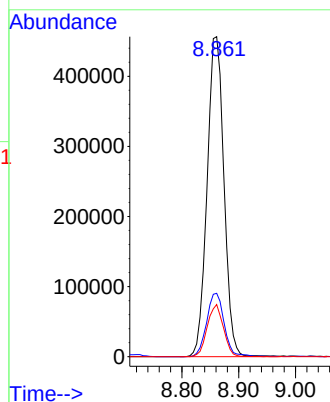
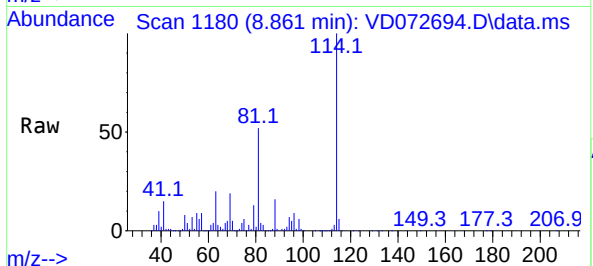


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

Tgt Ion:114 Resp: 938481

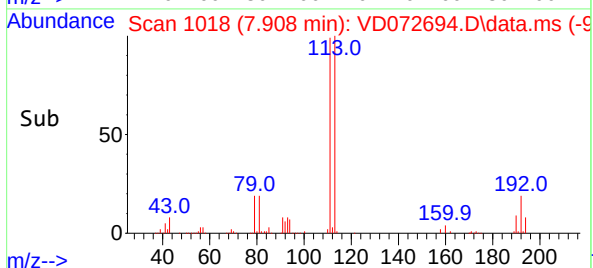
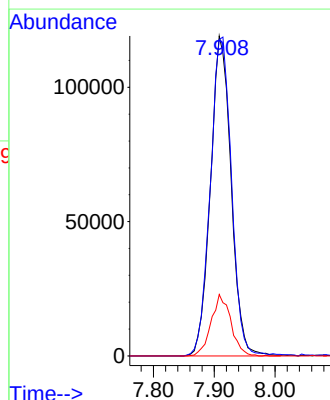
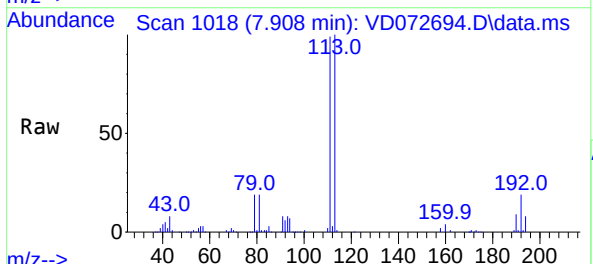
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	46.6
88	16.3	0.0	33.2

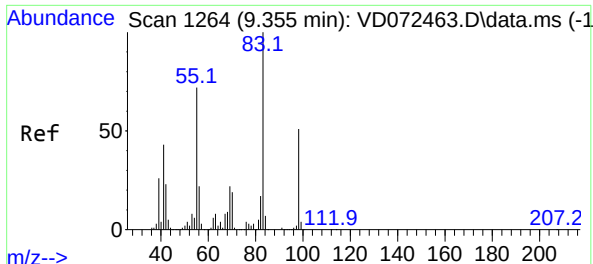


#35
Dibromofluoromethane
Concen: 38.416 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion:113 Resp: 280181

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.8	125.6
192	18.4	14.6	21.8





#39

Methylcyclohexane

Concen: 740.588 ug/l

RT: 9.349 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD072694.D

Acq: 22 Apr 2022 15:14

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-1

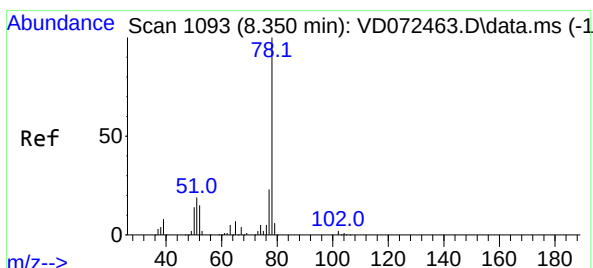
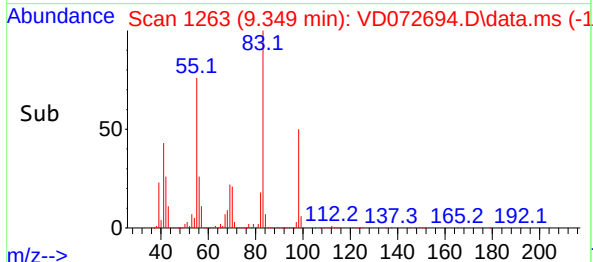
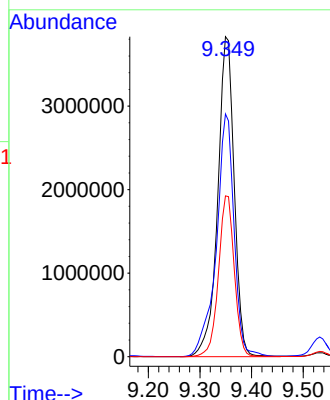
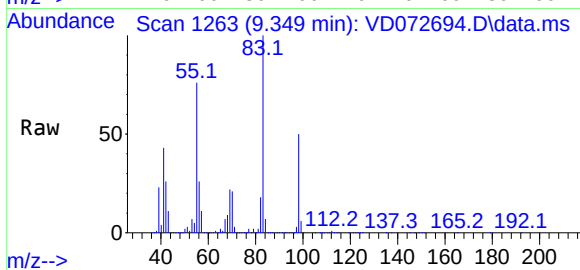
Tgt Ion: 83 Resp: 8496209

Ion Ratio Lower Upper

83 100

55 75.8 63.2 94.8

98 50.2 38.2 57.4



#40

Benzene

Concen: 3.029 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.006 min

Lab File: VD072694.D

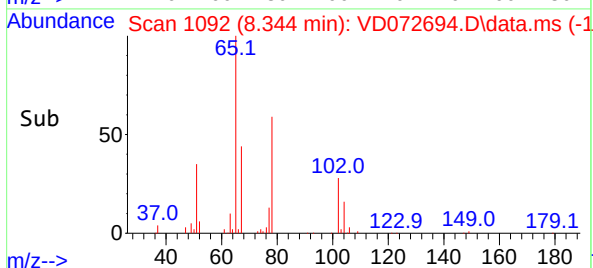
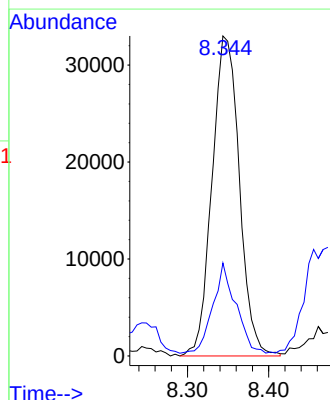
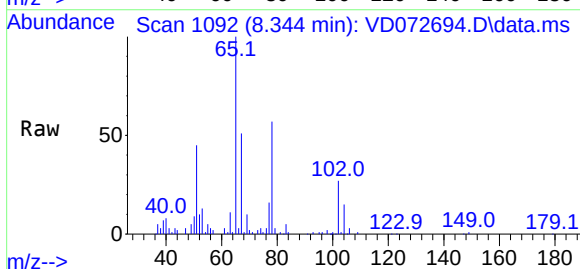
Acq: 22 Apr 2022 15:14

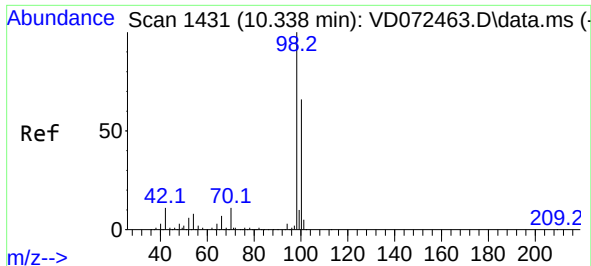
Tgt Ion: 78 Resp: 77156

Ion Ratio Lower Upper

78 100

77 28.2 19.1 28.7

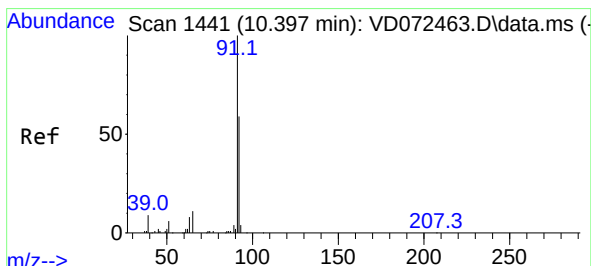
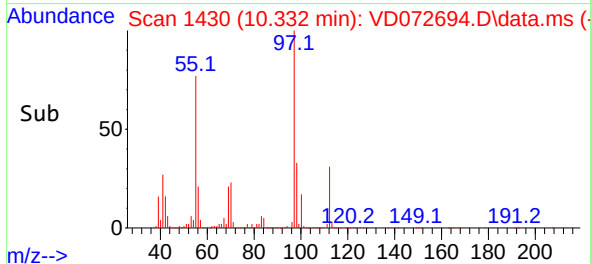
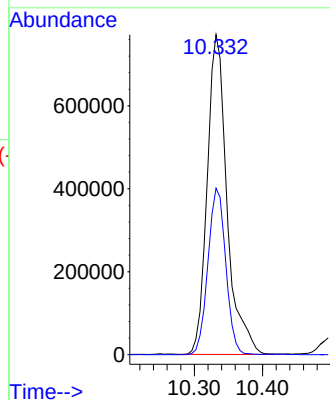
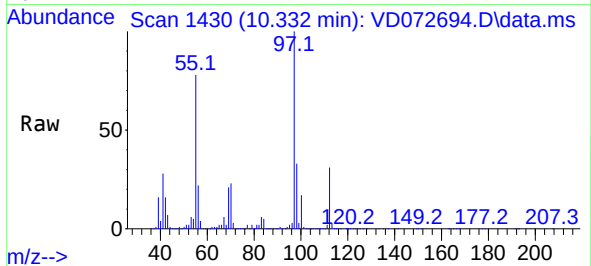




#50
Toluene-d8
Concen: 61.613 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

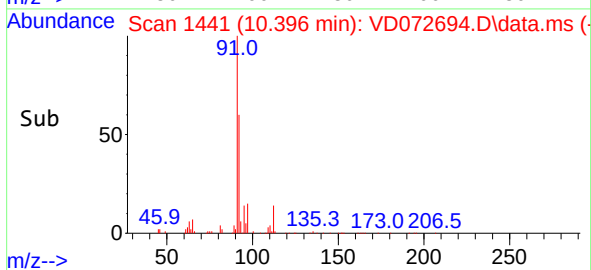
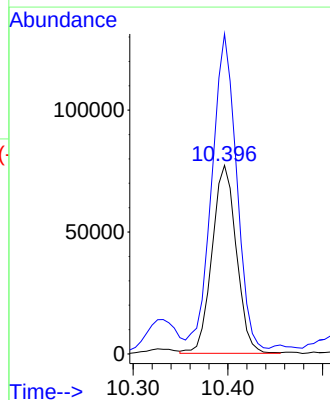
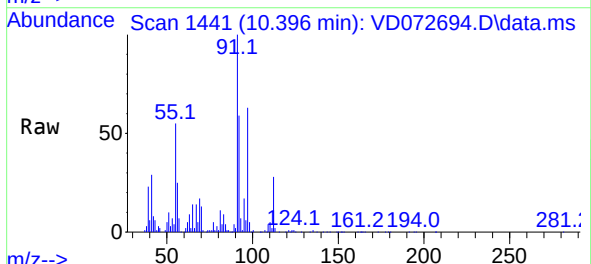
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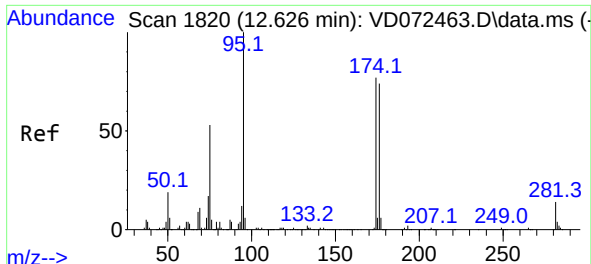
Tgt Ion: 98 Resp: 1562015
Ion Ratio Lower Upper
98 100
100 46.8 52.4 78.6#



#52
Toluene
Concen: 8.107 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion: 92 Resp: 137177
Ion Ratio Lower Upper
92 100
91 169.6 139.6 209.4

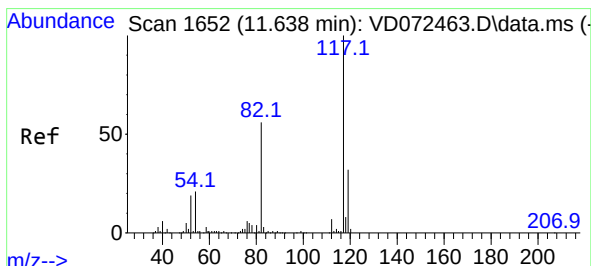
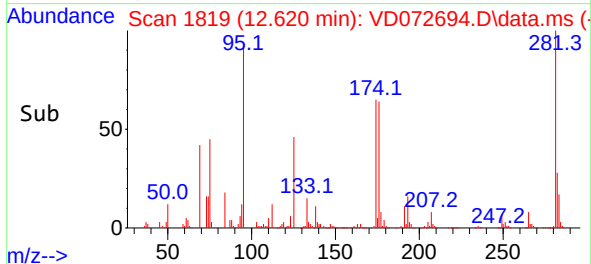
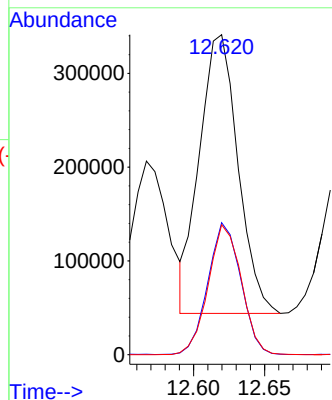
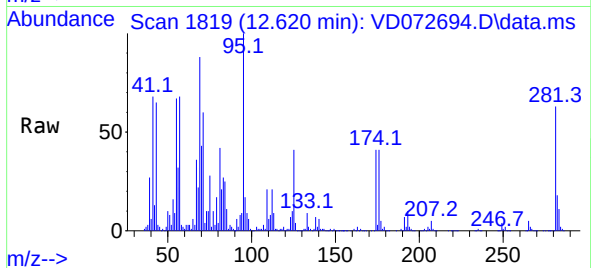




#62
4-Bromofluorobenzene
Concen: 56.602 ug/l
RT: 12.620 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

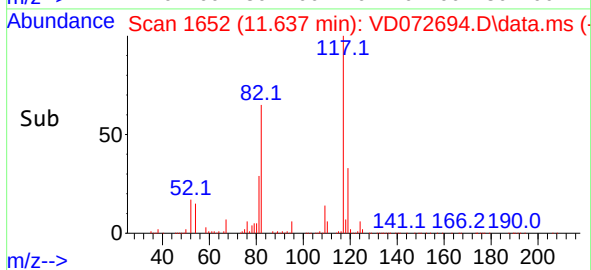
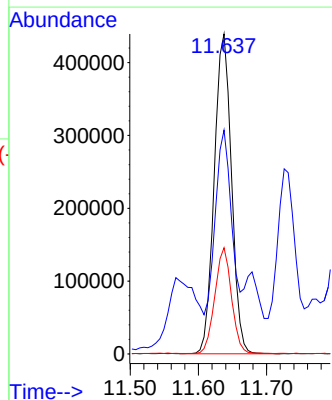
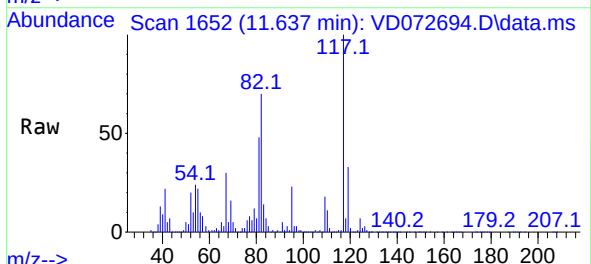
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

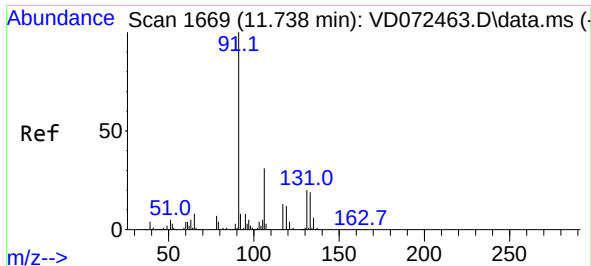
Tgt Ion: 95 Resp: 560418
Ion Ratio Lower Upper
95 100
174 40.4 0.0 152.8
176 40.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion: 117 Resp: 772599
Ion Ratio Lower Upper
117 100
82 47.2 45.3 67.9
119 33.1 26.6 40.0

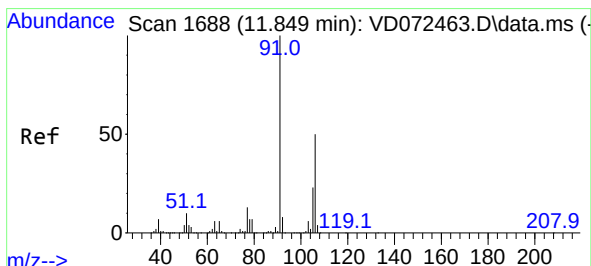
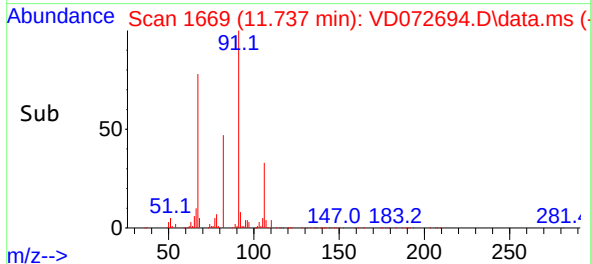
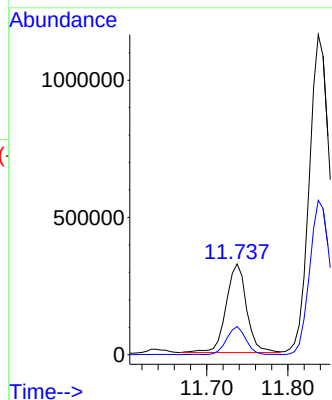
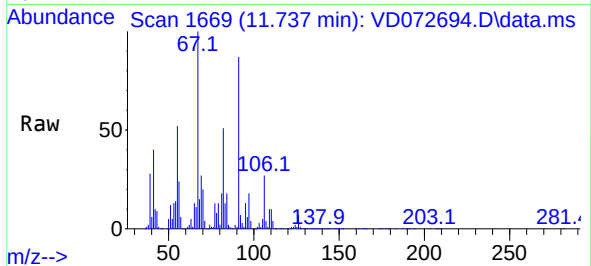




#67
Ethyl Benzene
Concen: 18.796 ug/l
RT: 11.737 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

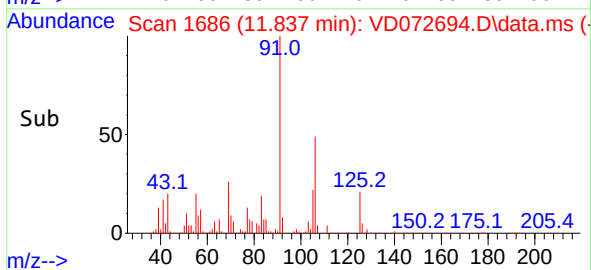
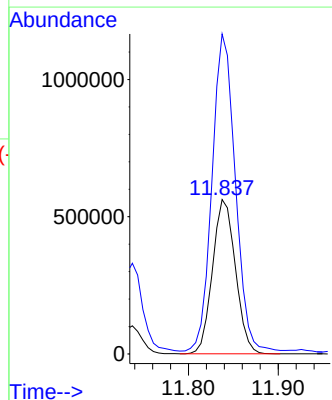
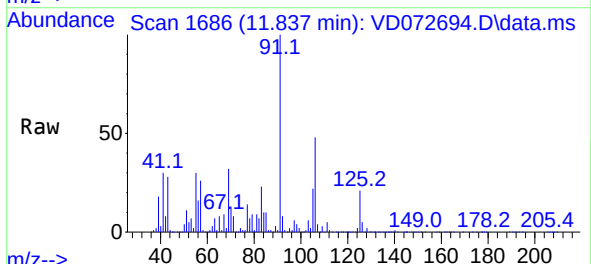
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

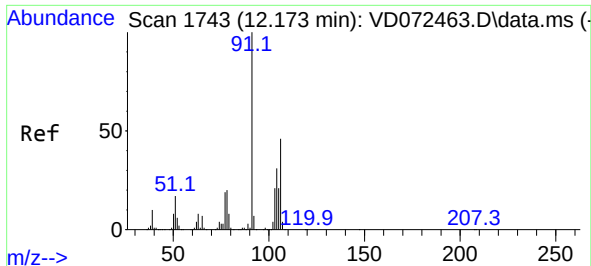
Tgt Ion: 91 Resp: 566499
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.4



#68
m/p-Xylenes
Concen: 87.183 ug/l
RT: 11.837 min Scan# 1686
Delta R.T. -0.012 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion:106 Resp: 996903
Ion Ratio Lower Upper
106 100
91 207.7 163.7 245.5

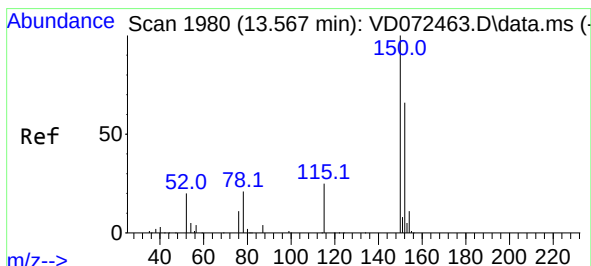
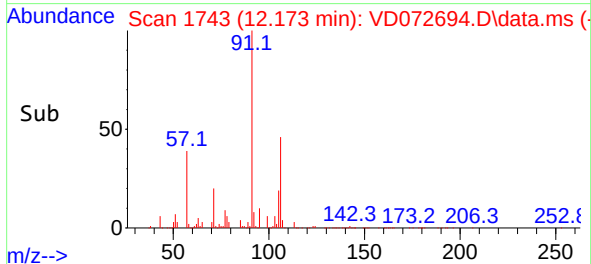
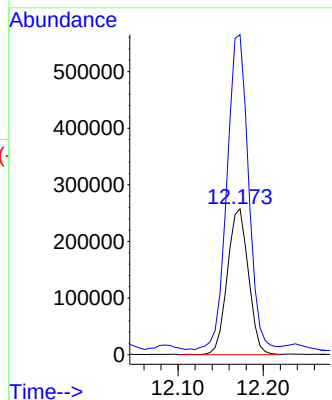
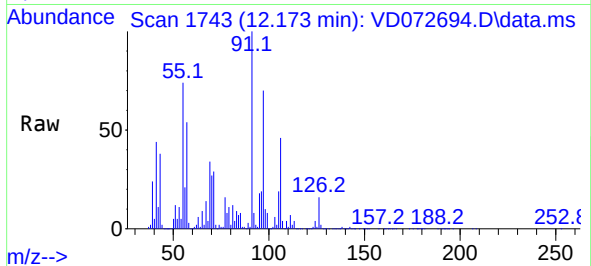




#69
o-Xylene
Concen: 40.115 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

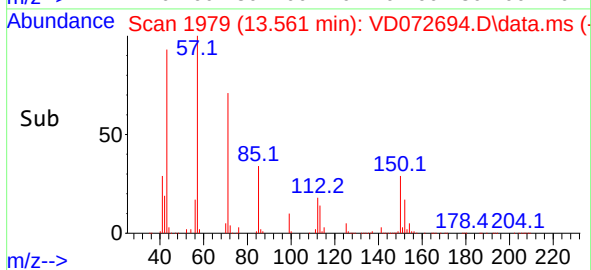
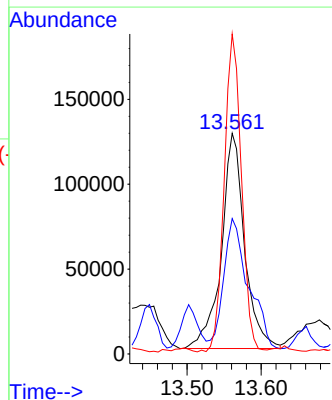
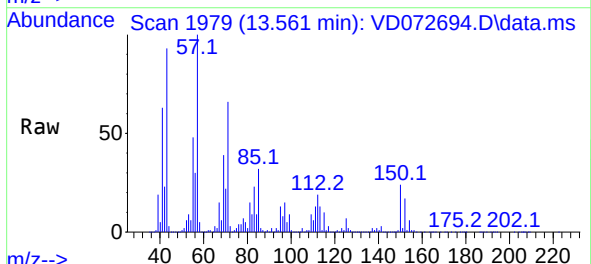
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

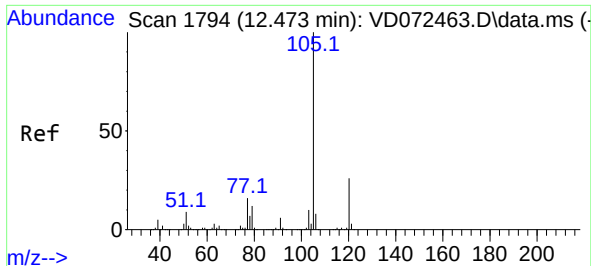
Tgt Ion:106 Resp: 442572
Ion Ratio Lower Upper
106 100
91 220.4 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion:152 Resp: 275916
Ion Ratio Lower Upper
152 100
115 64.8 31.3 93.8
150 109.7 0.0 348.6

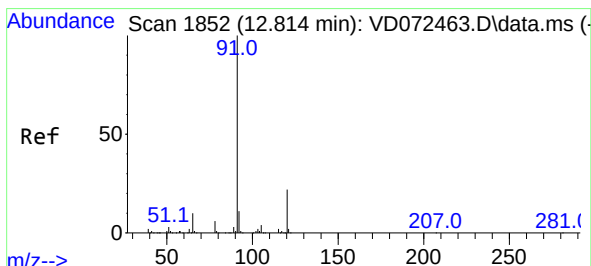
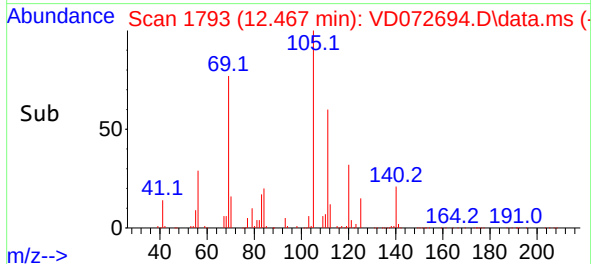
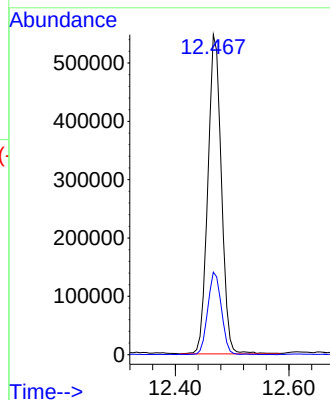
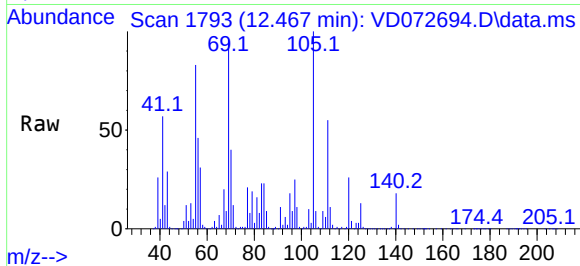




#73
Isopropylbenzene
Concen: 40.436 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

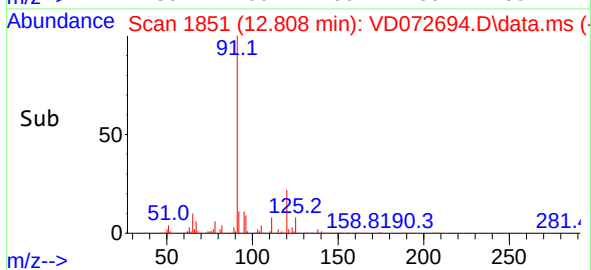
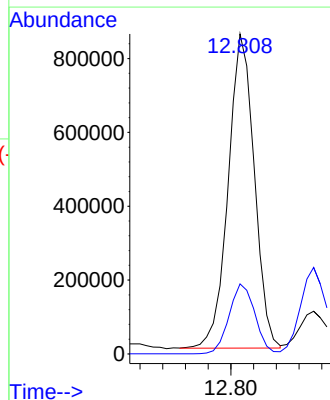
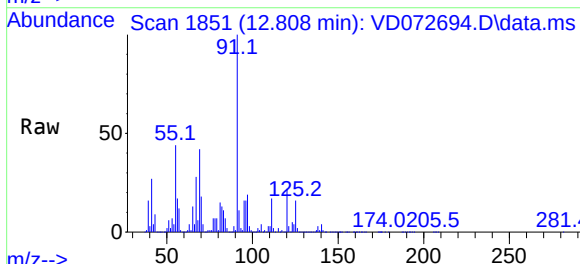
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

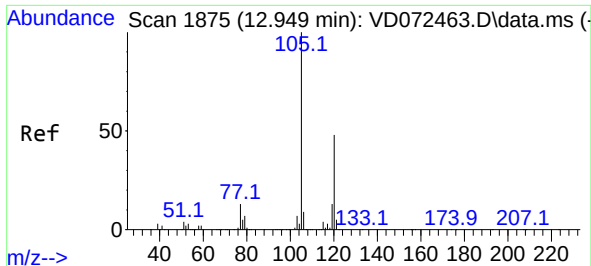
Tgt Ion:105 Resp: 901035
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9



#78
n-propylbenzene
Concen: 50.415 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion: 91 Resp: 1355254
Ion Ratio Lower Upper
91 100
120 22.1 10.9 32.9

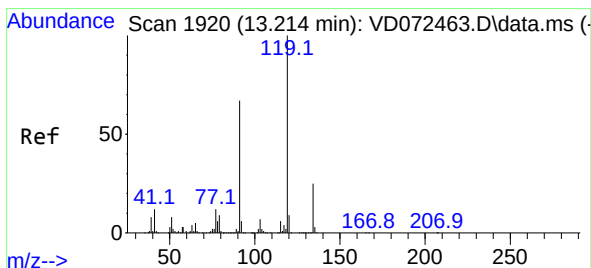
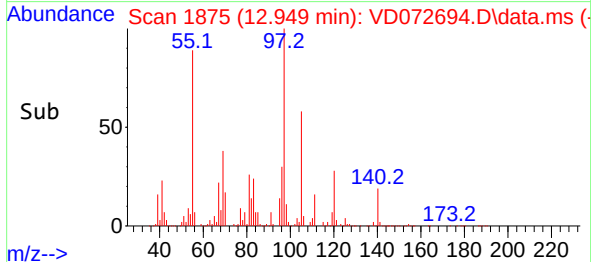
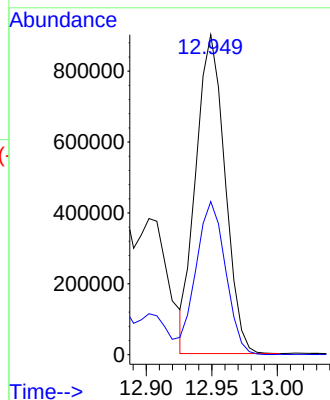
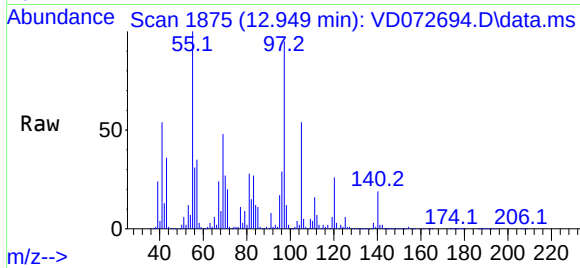




#80
1,3,5-Trimethylbenzene
Concen: 72.665 ug/l
RT: 12.949 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

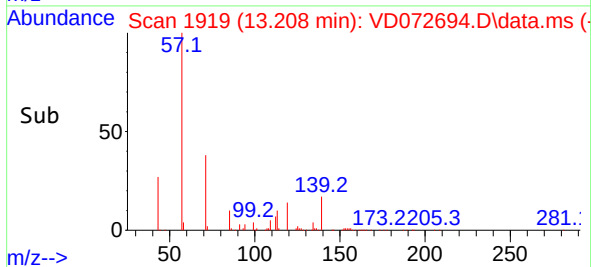
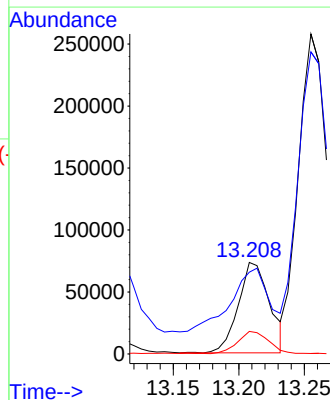
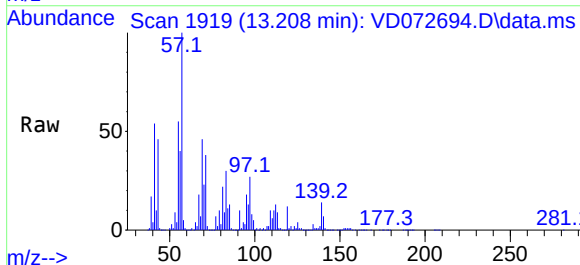
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

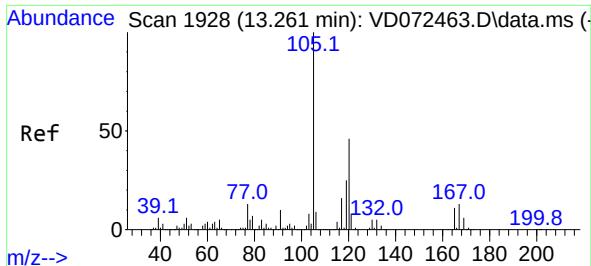
Tgt Ion:105 Resp: 1386758
Ion Ratio Lower Upper
105 100
120 49.5 24.3 72.8



#83
tert-Butylbenzene
Concen: 7.342 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion:119 Resp: 121300
Ion Ratio Lower Upper
119 100
91 84.2 34.8 104.5
134 23.8 13.3 39.9

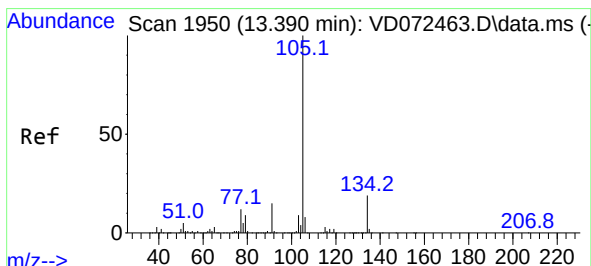
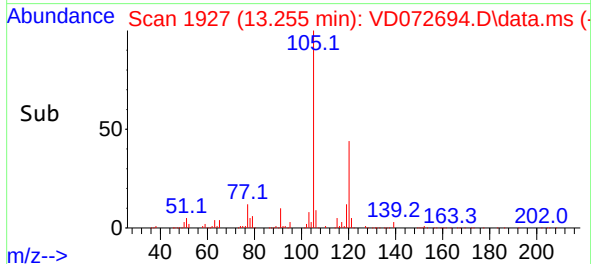
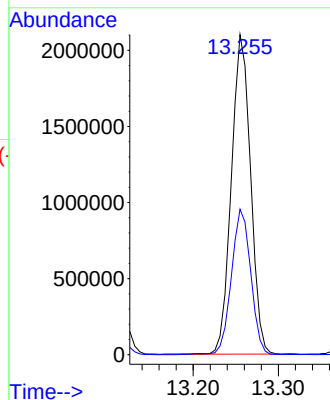
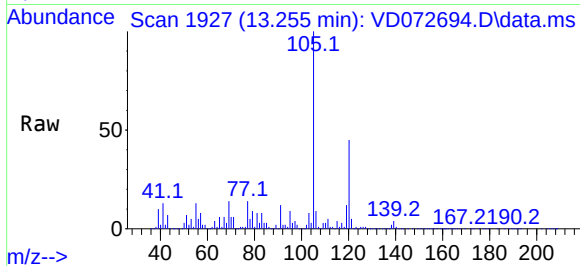




#84
1,2,4-Trimethylbenzene
Concen: 176.230 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

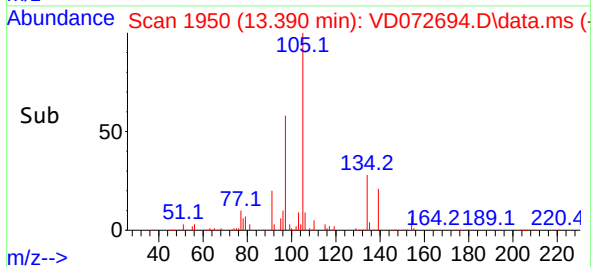
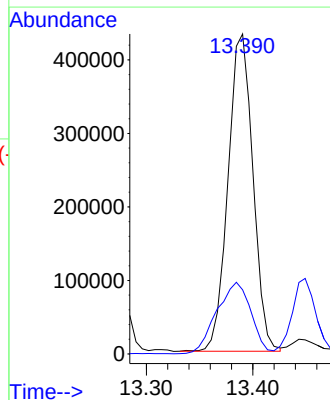
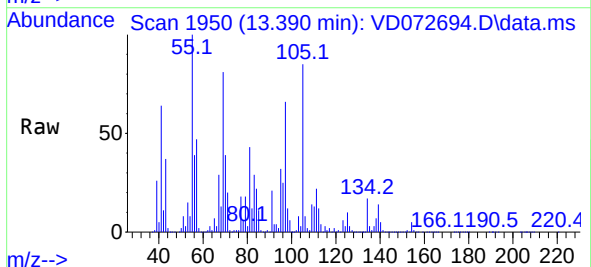
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

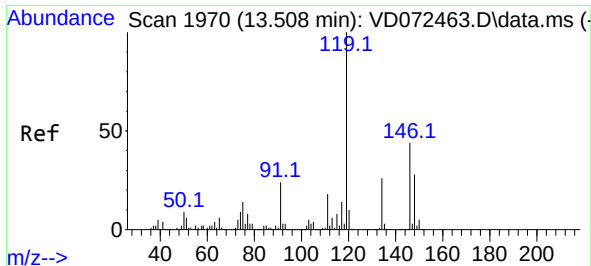
Tgt Ion:105 Resp: 3288808
Ion Ratio Lower Upper
105 100
120 46.0 22.3 66.8



#85
sec-Butylbenzene
Concen: 28.220 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion:105 Resp: 702282
Ion Ratio Lower Upper
105 100
134 31.0 9.8 29.3#



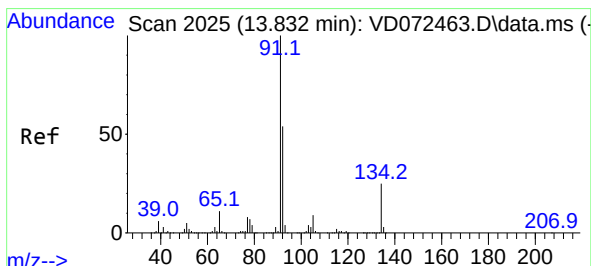
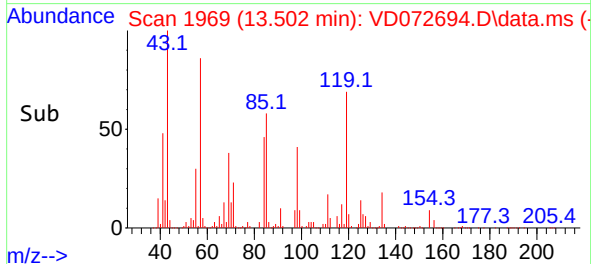
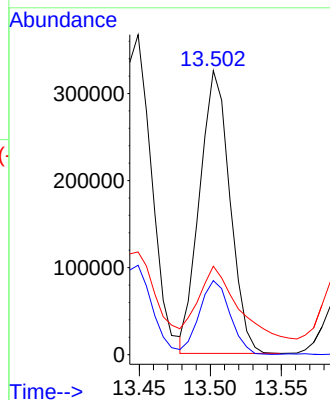
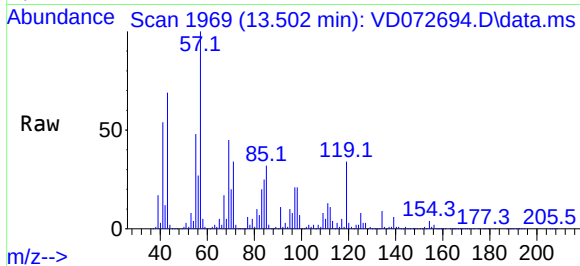


#86
p-Isopropyltoluene
Concen: 23.726 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1

Tgt Ion:119 Resp: 482630

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	31.7	12.1	36.3



#89
n-Butylbenzene
Concen: 36.560 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD072694.D
Acq: 22 Apr 2022 15:14

Tgt Ion: 91 Resp: 708441

Ion	Ratio	Lower	Upper
91	100		
92	41.7	26.6	79.8
134	0.0	12.3	36.9

