

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072656.D
 Acq On : 20 Apr 2022 19:27
 Operator : VA/SY
 Sample : N2480-01
 Misc : 5.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Apr 21 01:55:53 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)

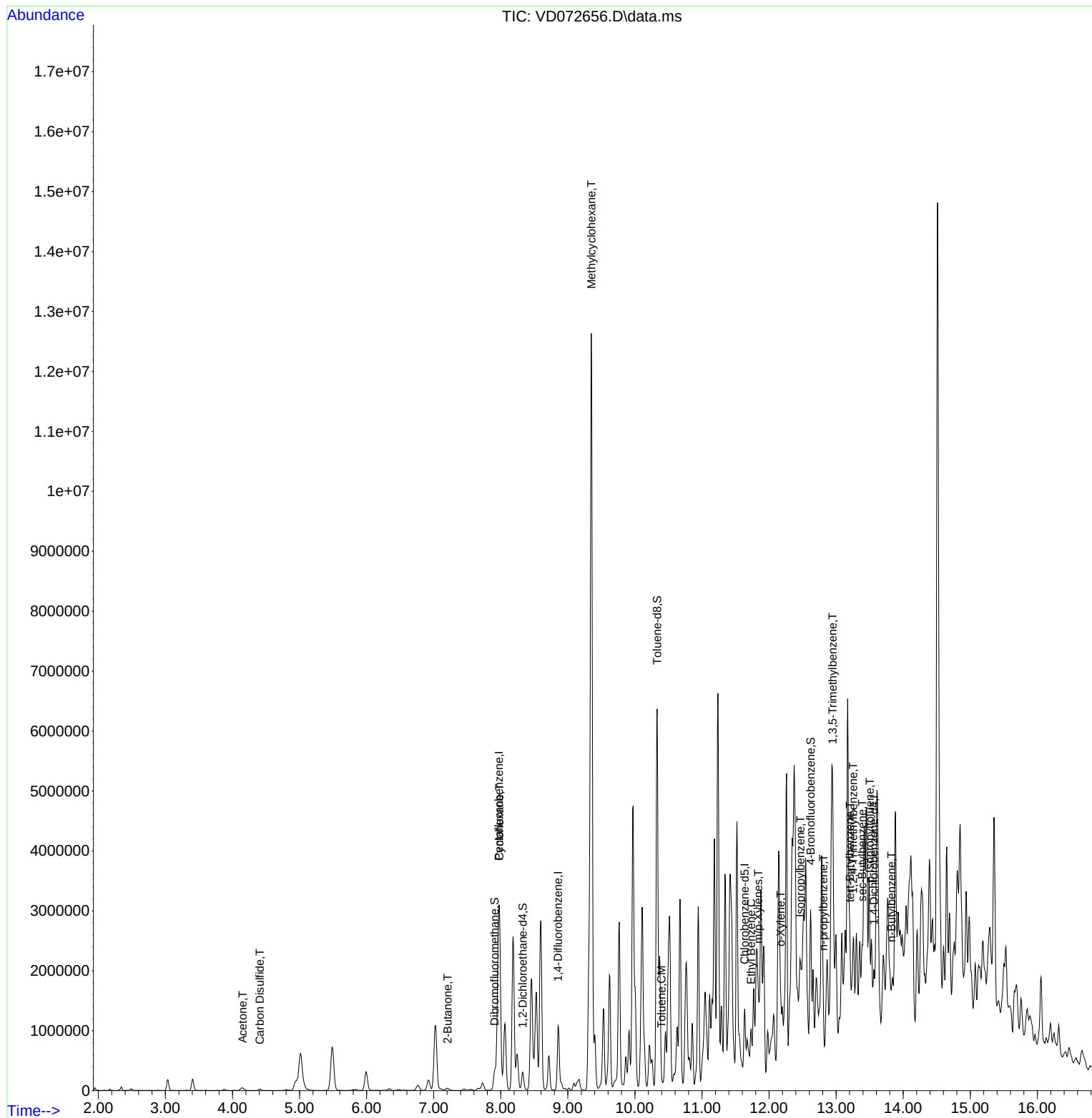
Internal Standards						
1) Pentafluorobenzene	7.973	168	406862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	732746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	467326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	93784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	229872	46.705	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.400%		
35) Dibromofluoromethane	7.908	113	240059	42.156	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.320%		
50) Toluene-d8	10.332	98	1006912	50.869	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.740%		
62) 4-Bromofluorobenzene	12.620	95	241433	31.231	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	62.460%		
Target Compounds					Qvalue	
16) Acetone	4.150	43	53275	58.050	ug/l	95
17) Carbon Disulfide	4.409	76	48411	9.299	ug/l	96
25) 2-Butanone	7.208	43	22708	17.891	ug/l	91
31) Cyclohexane	7.979	56	1582376	245.879	ug/l	89
39) Methylcyclohexane	9.349	83	5704226	637.228	ug/l	95
52) Toluene	10.396	92	21466	1.625	ug/l	96
67) Ethyl Benzene	11.732	91	56508	3.100	ug/l	97
68) m/p-Xylenes	11.838	106	125140	18.093	ug/l	93
69) o-Xylene	12.173	106	103848	15.562	ug/l	100
73) Isopropylbenzene	12.467	105	345298	45.590	ug/l	99
78) n-propylbenzene	12.808	91	325249	35.596	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	354326	54.623	ug/l	100
83) tert-Butylbenzene	13.208	119	51484	9.168	ug/l	79
84) 1,2,4-Trimethylbenzene	13.255	105	667725	105.266	ug/l	97
85) sec-Butylbenzene	13.390	105	250267	29.586	ug/l #	72
86) p-Isopropyltoluene	13.502	119	197394	28.550	ug/l	94
89) n-Butylbenzene	13.826	91	130866	19.869	ug/l #	83

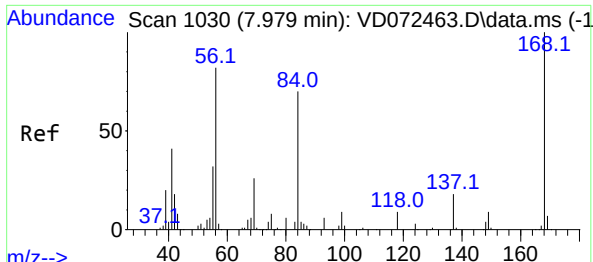
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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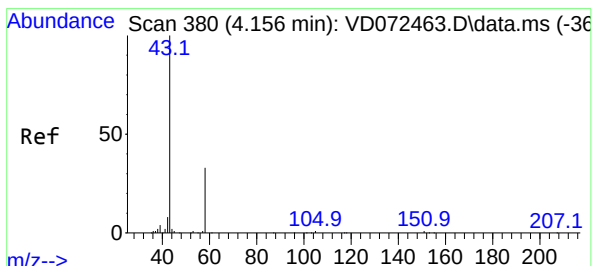
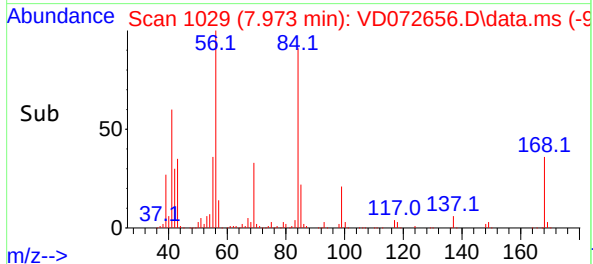
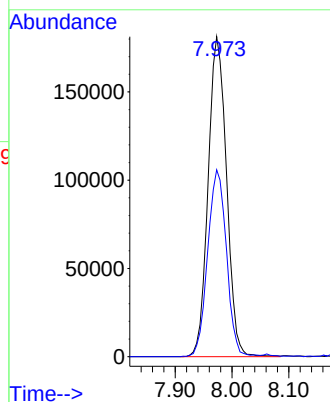
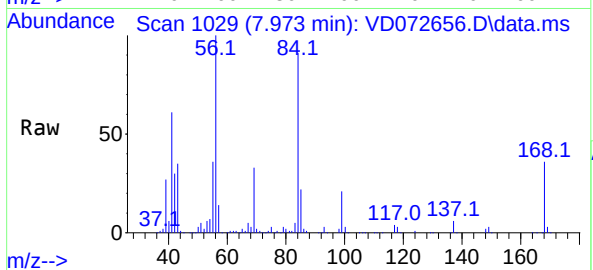




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

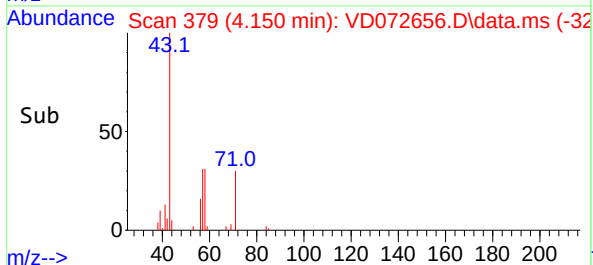
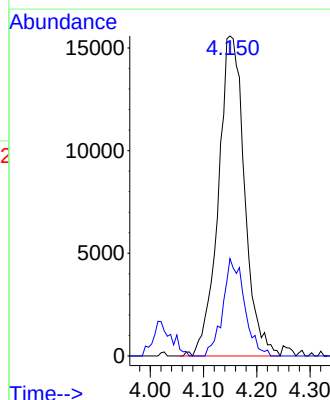
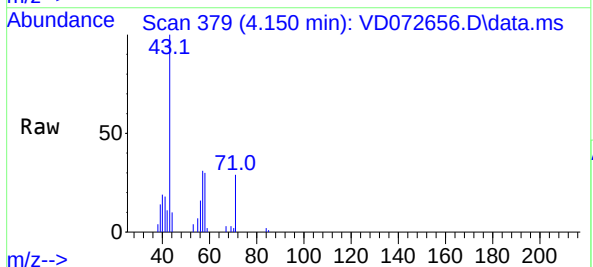
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1-GR

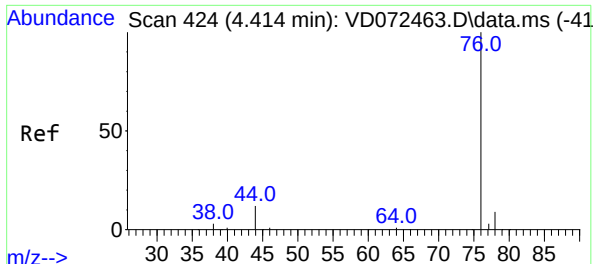
Tgt Ion:168 Resp: 406862
Ion Ratio Lower Upper
168 100
99 58.4 49.8 74.6



#16
Acetone
Concen: 58.050 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

Tgt Ion: 43 Resp: 53275
Ion Ratio Lower Upper
43 100
58 30.4 22.1 33.1

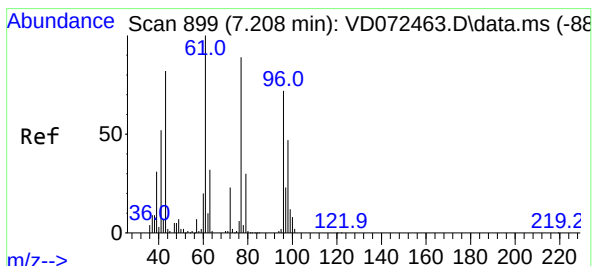
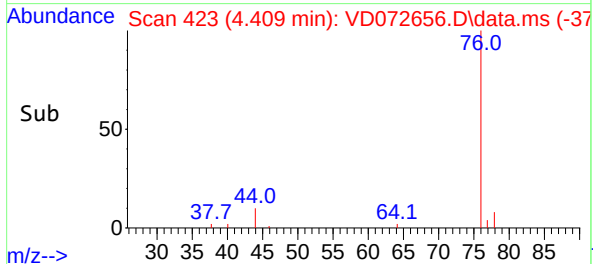
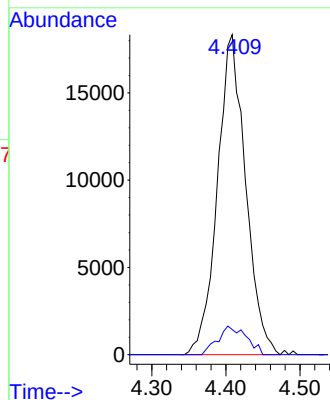
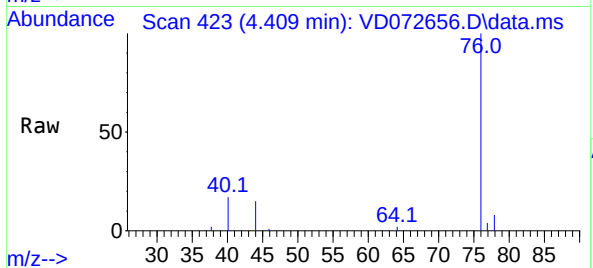




#17
Carbon Disulfide
Concen: 9.299 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

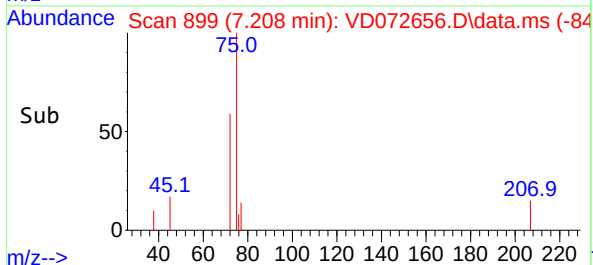
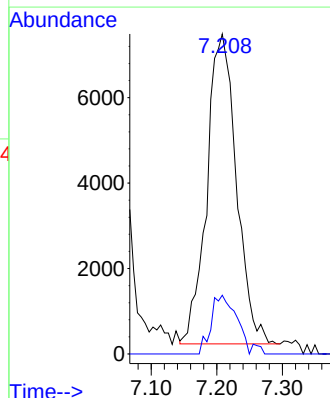
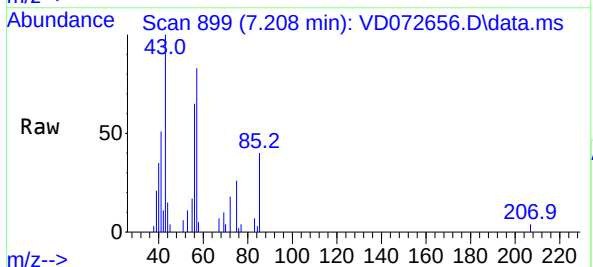
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1-GR

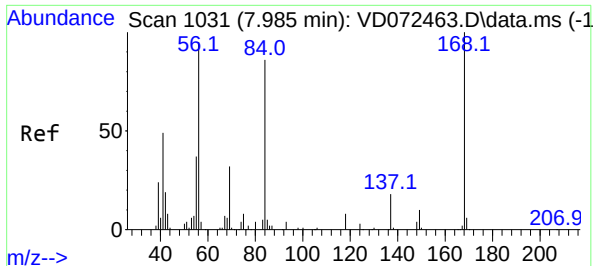
Tgt Ion: 76 Resp: 48411
Ion Ratio Lower Upper
76 100
78 7.9 7.5 11.3



#25
2-Butanone
Concen: 17.891 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

Tgt Ion: 43 Resp: 22708
Ion Ratio Lower Upper
43 100
72 19.0 18.6 27.8

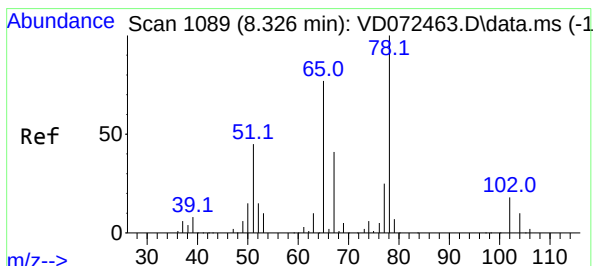
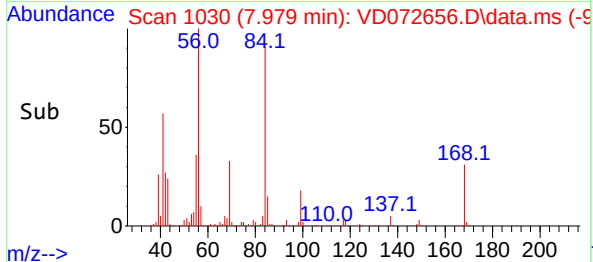
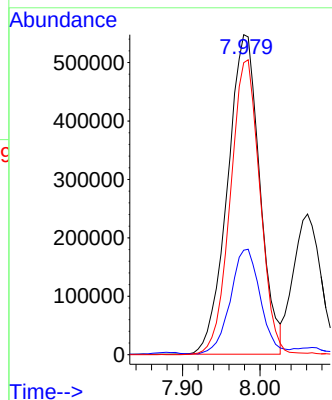
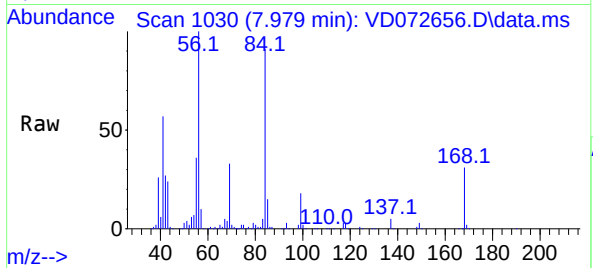




#31
Cyclohexane
Concen: 245.879 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

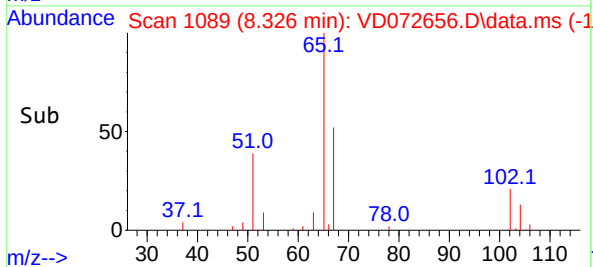
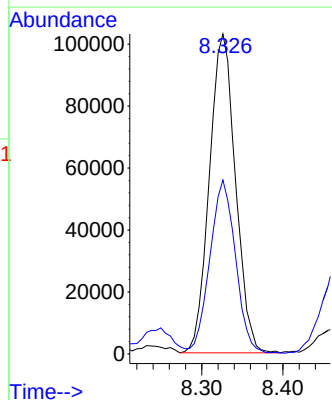
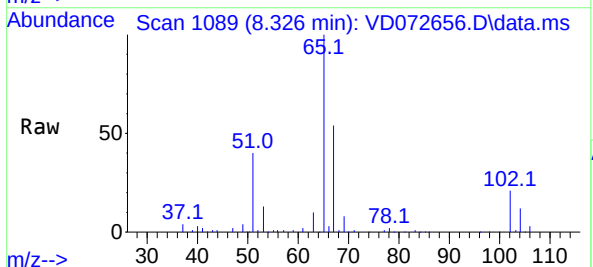
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1-GR

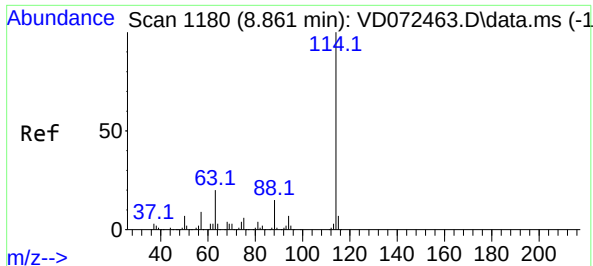
Tgt Ion: 56 Resp: 1582376
Ion Ratio Lower Upper
56 100
69 32.3 25.4 38.2
84 91.4 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 46.705 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

Tgt Ion: 65 Resp: 229872
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD072656.D

Acq: 20 Apr 2022 19:27

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-1-GR

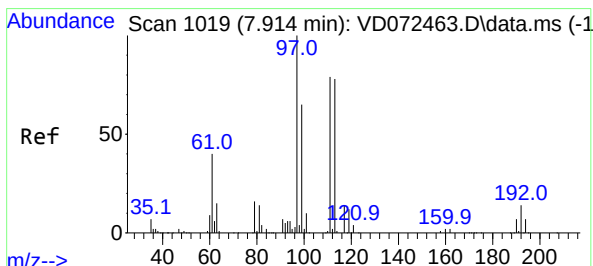
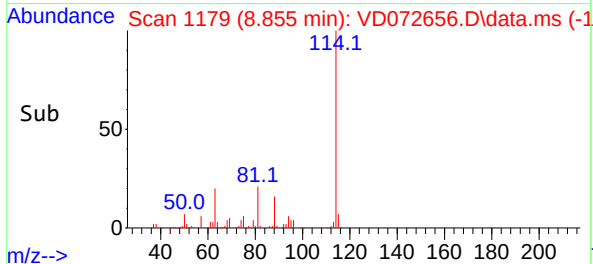
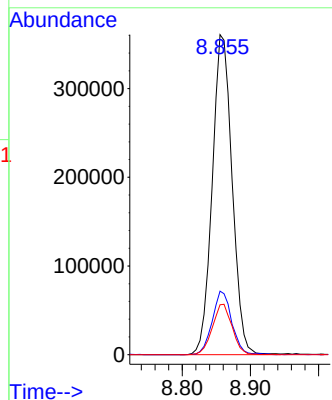
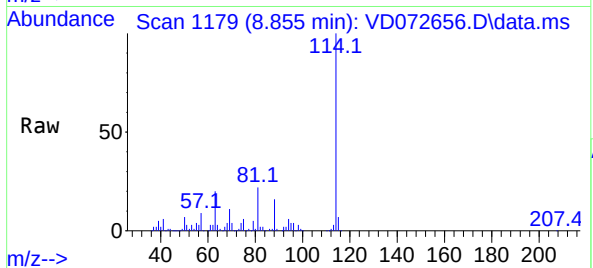
Tgt Ion:114 Resp: 732746

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 42.156 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072656.D

Acq: 20 Apr 2022 19:27

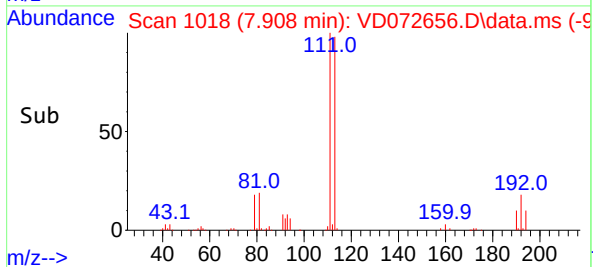
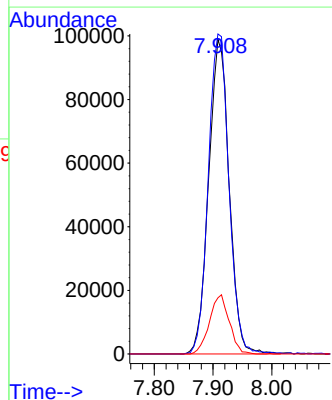
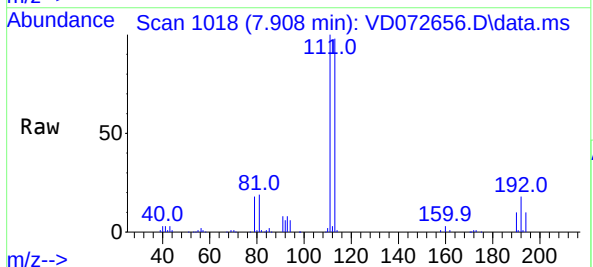
Tgt Ion:113 Resp: 240059

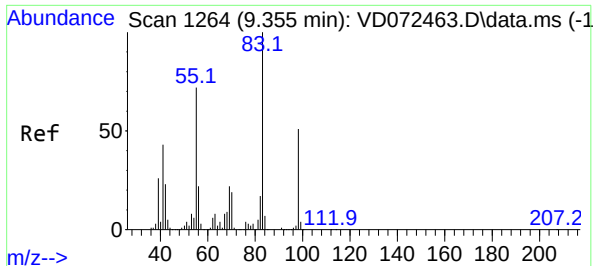
Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 18.1 14.6 21.8





#39

Methylcyclohexane

Concen: 637.228 ug/l

RT: 9.349 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072656.D

Acq: 20 Apr 2022 19:27

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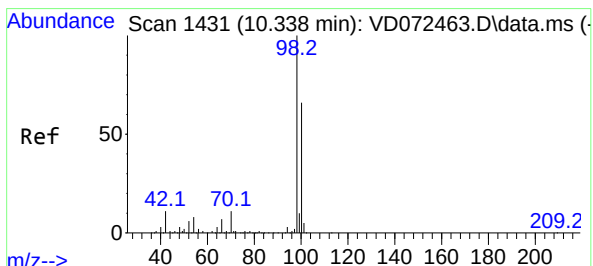
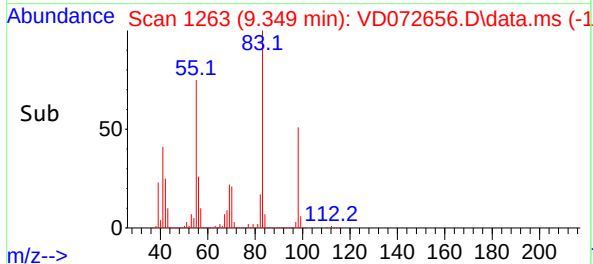
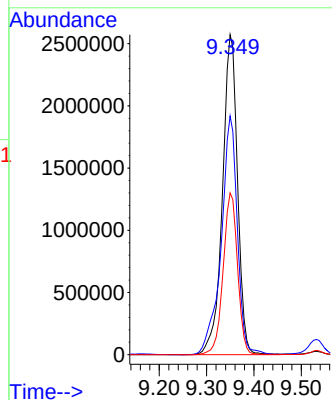
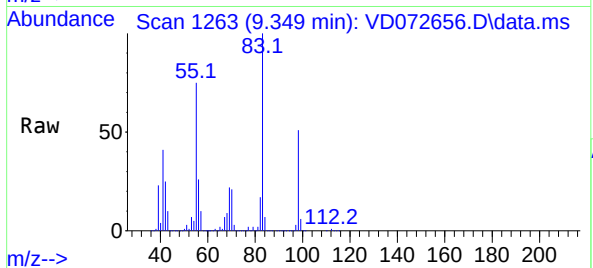
Tgt Ion: 83 Resp: 5704226

Ion Ratio Lower Upper

83 100

55 74.6 63.2 94.8

98 50.6 38.2 57.4



#50

Toluene-d8

Concen: 50.869 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD072656.D

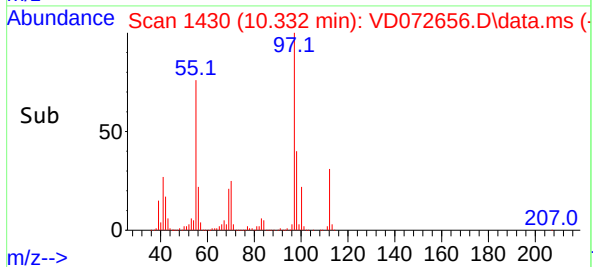
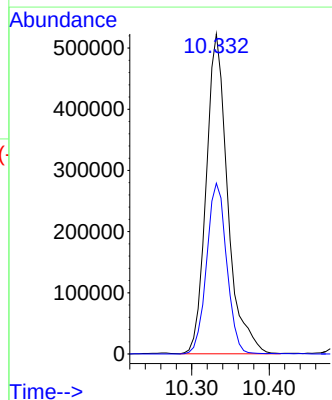
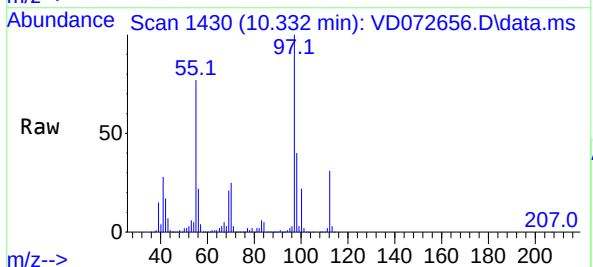
Acq: 20 Apr 2022 19:27

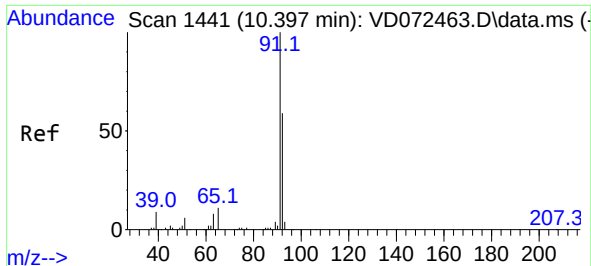
Tgt Ion: 98 Resp: 1006912

Ion Ratio Lower Upper

98 100

100 49.6 52.4 78.6#

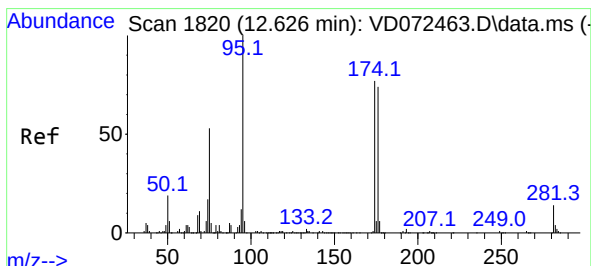
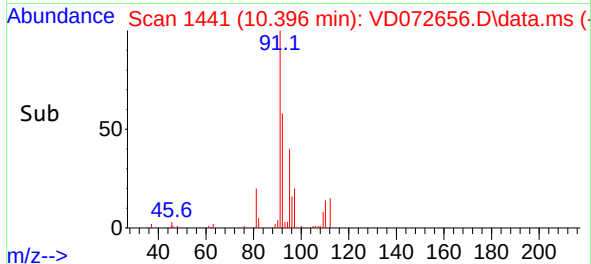
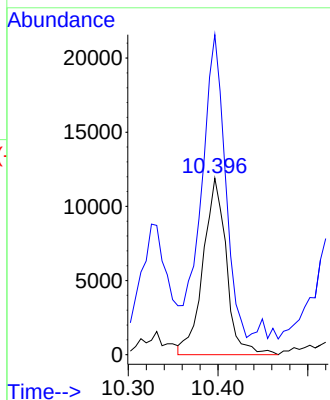
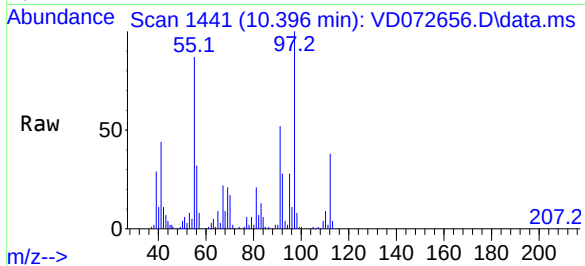




#52
Toluene
Concen: 1.625 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

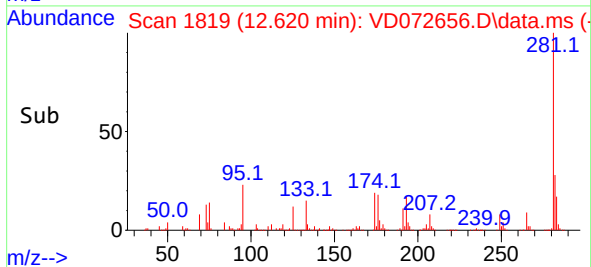
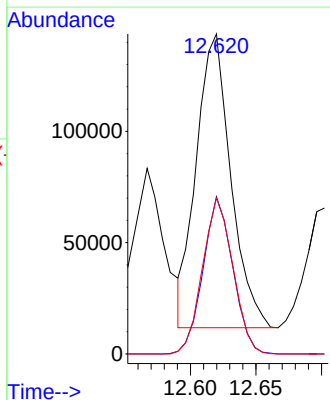
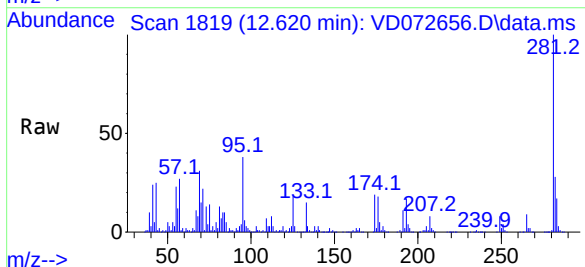
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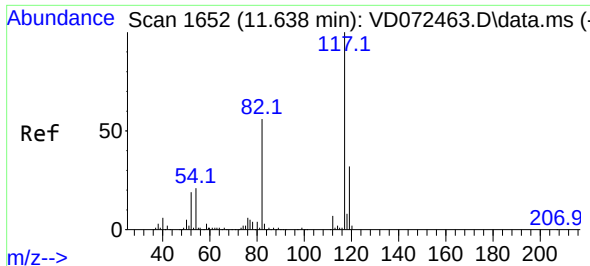
Tgt Ion: 92 Resp: 21466
Ion Ratio Lower Upper
92 100
91 179.8 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 31.231 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

Tgt Ion: 95 Resp: 241433
Ion Ratio Lower Upper
95 100
174 46.1 0.0 152.8
176 46.7 0.0 145.4

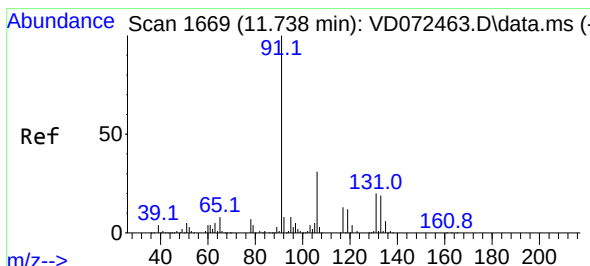
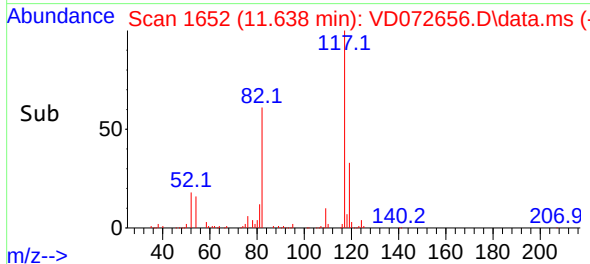
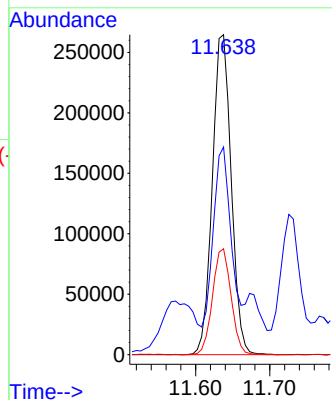
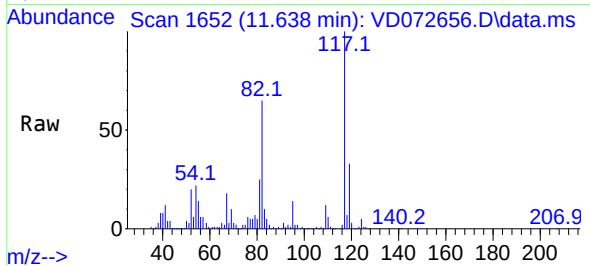




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

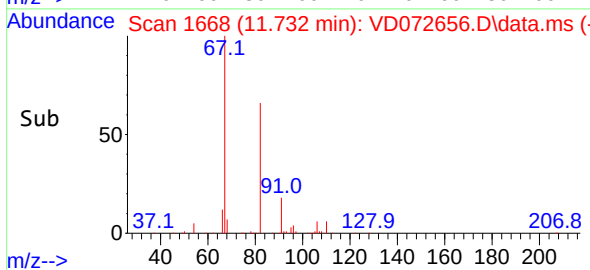
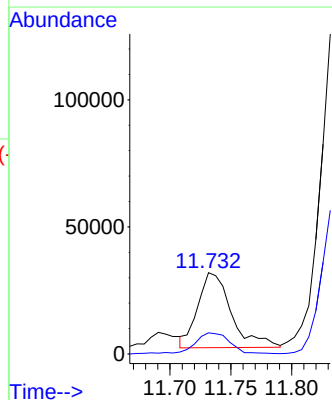
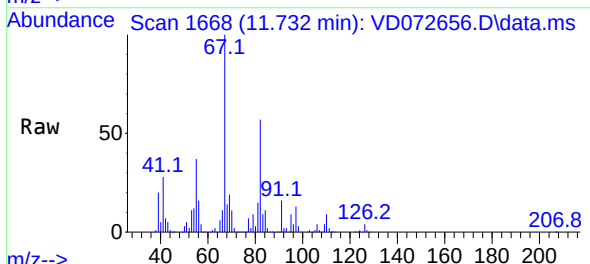
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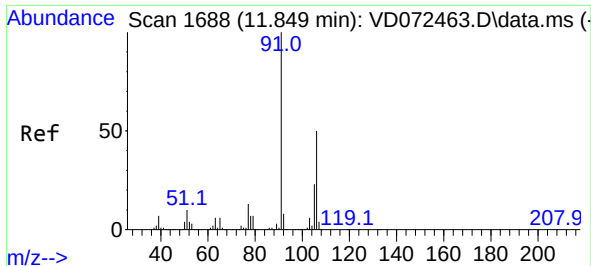
Tgt Ion:117 Resp: 467326
Ion Ratio Lower Upper
117 100
82 49.3 45.3 67.9
119 33.1 26.6 40.0



#67
Ethyl Benzene
Concen: 3.100 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

Tgt Ion: 91 Resp: 56508
Ion Ratio Lower Upper
91 100
106 28.4 24.2 36.4

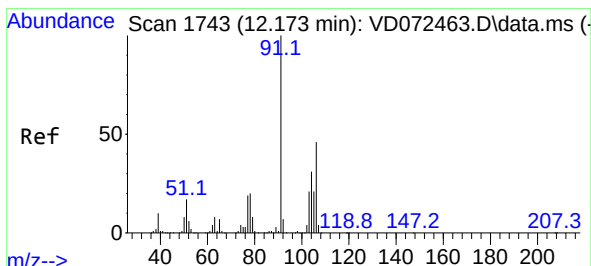
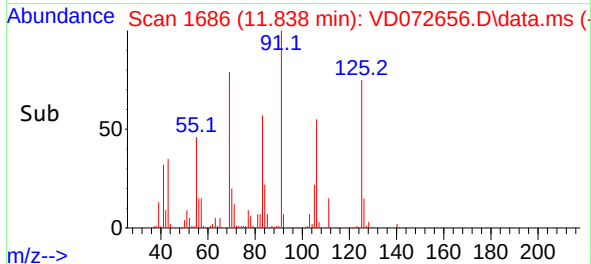
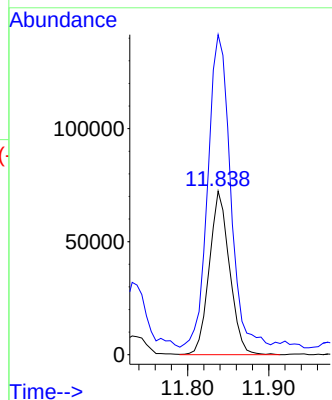
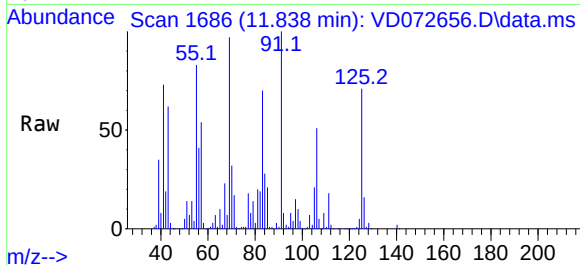




#68
m/p-Xylenes
Concen: 18.093 ug/l
RT: 11.838 min Scan# 11838
Delta R.T. -0.012 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

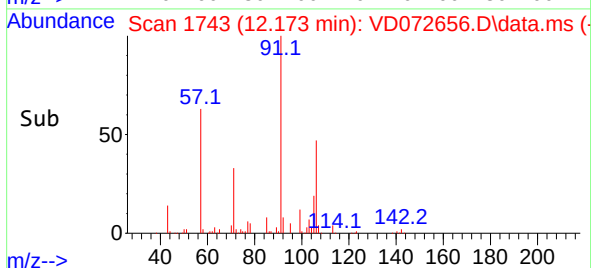
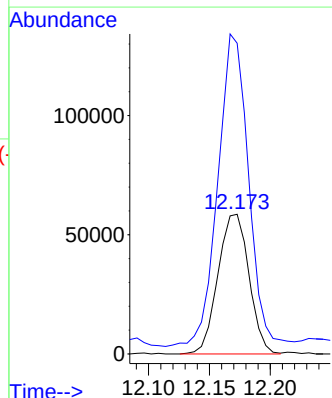
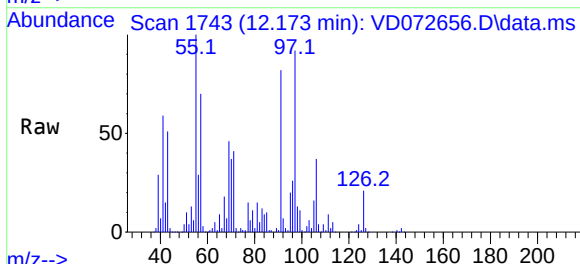
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1-GR

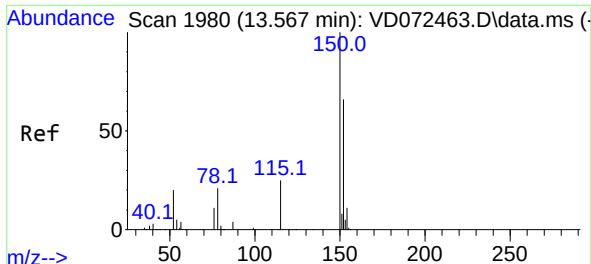
Tgt Ion:106 Resp: 125140
Ion Ratio Lower Upper
106 100
91 215.4 163.7 245.5



#69
o-Xylene
Concen: 15.562 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

Tgt Ion:106 Resp: 103848
Ion Ratio Lower Upper
106 100
91 220.9 110.4 331.2

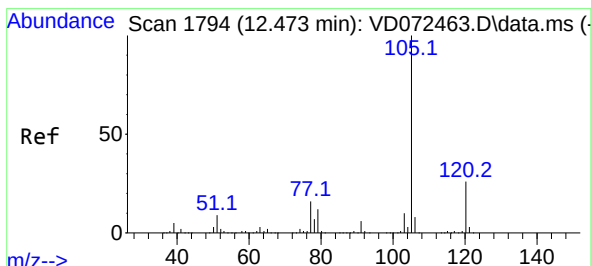
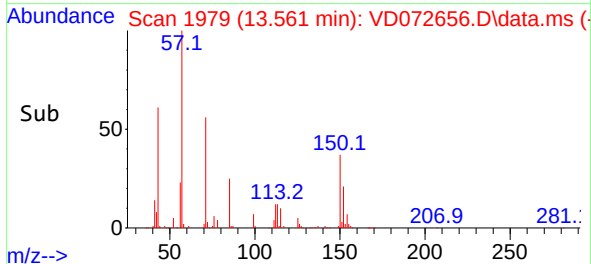
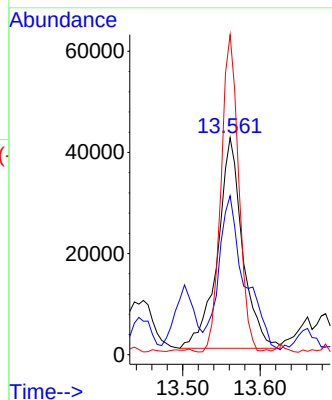
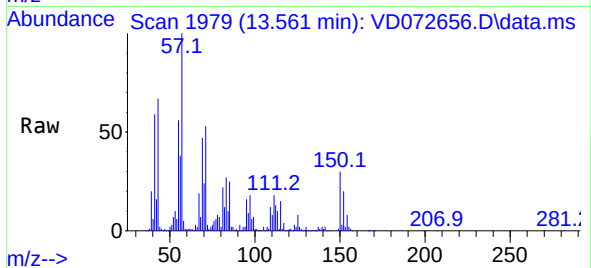




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

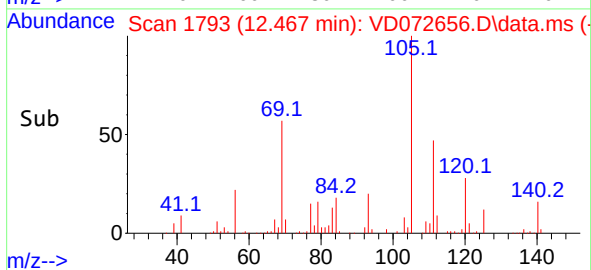
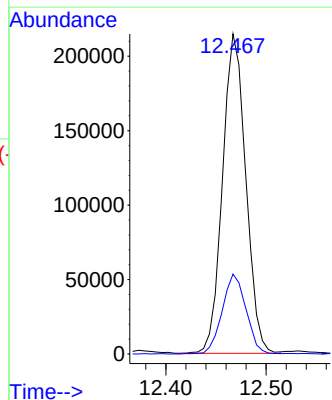
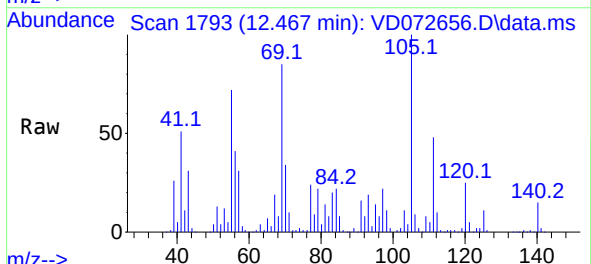
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1-GR

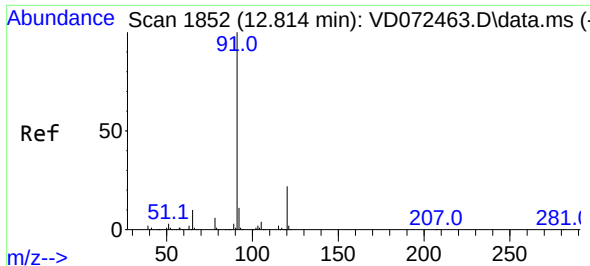
Tgt Ion:152 Resp: 93784
Ion Ratio Lower Upper
152 100
115 75.9 31.3 93.8
150 106.4 0.0 348.6



#73
Isopropylbenzene
Concen: 45.590 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

Tgt Ion:105 Resp: 345298
Ion Ratio Lower Upper
105 100
120 25.6 13.0 38.9

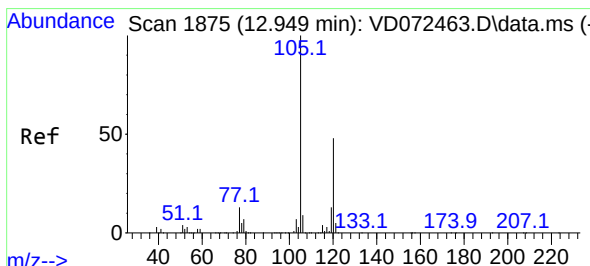
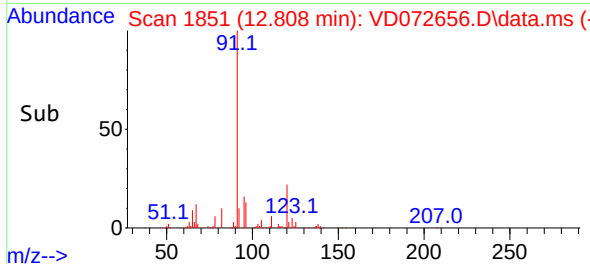
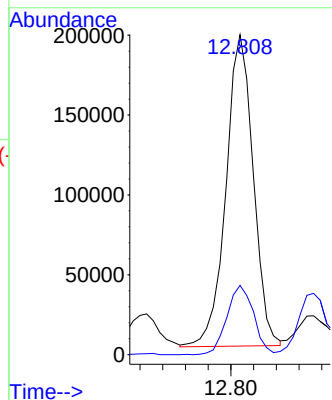
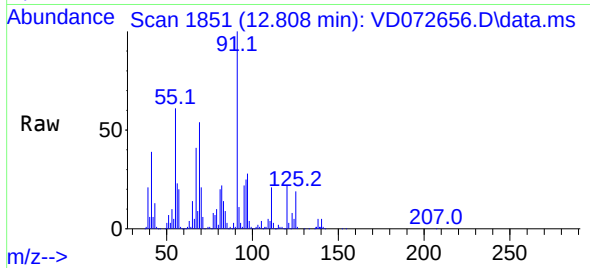




#78
n-propylbenzene
Concen: 35.596 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

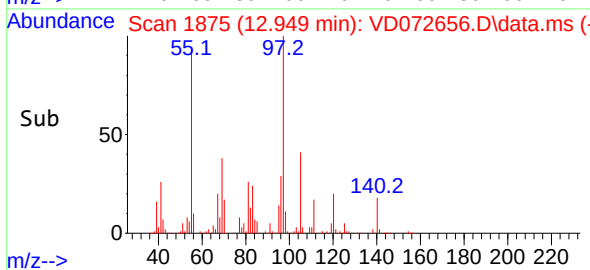
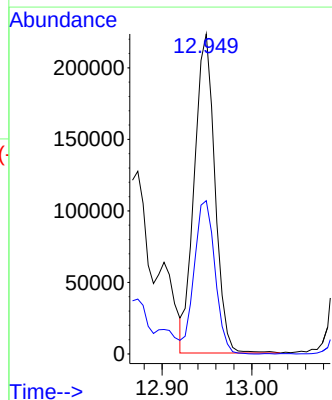
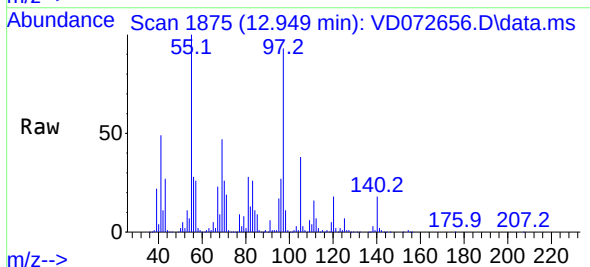
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1-GR

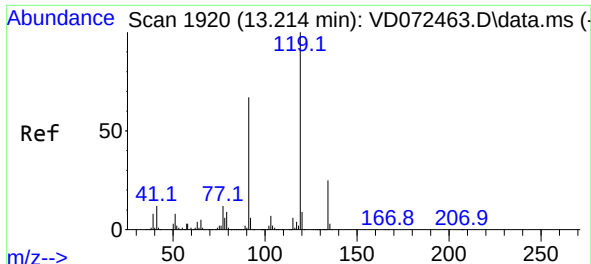
Tgt Ion: 91 Resp: 325249
Ion Ratio Lower Upper
91 100
120 21.7 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 54.623 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

Tgt Ion:105 Resp: 354326
Ion Ratio Lower Upper
105 100
120 48.7 24.3 72.8

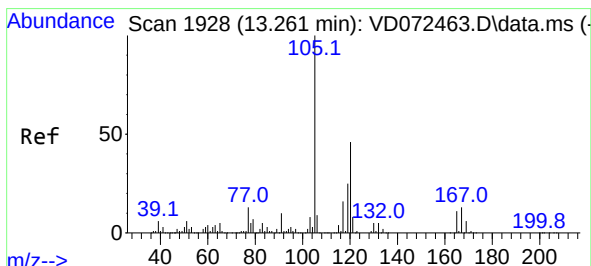
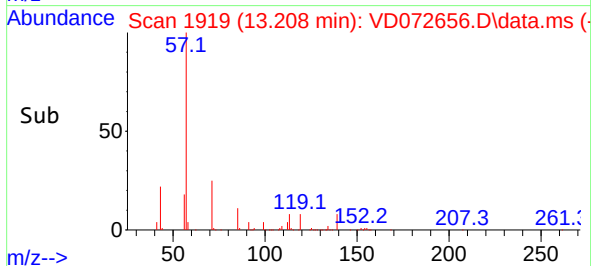
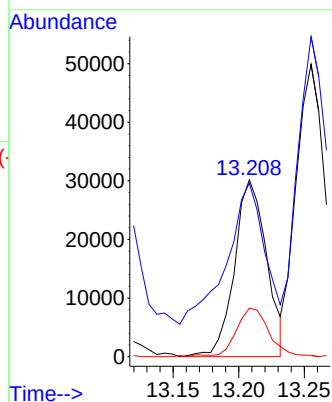
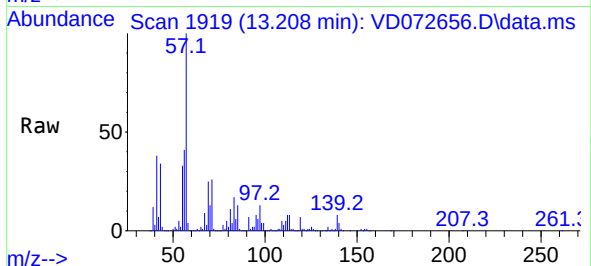




#83
tert-Butylbenzene
Concen: 9.168 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

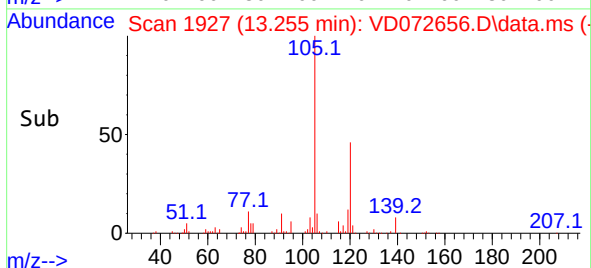
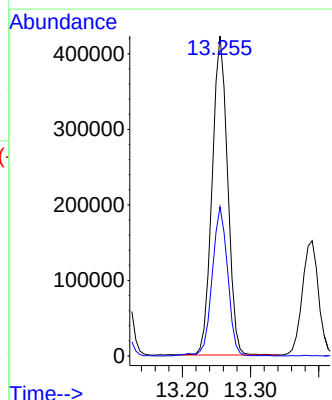
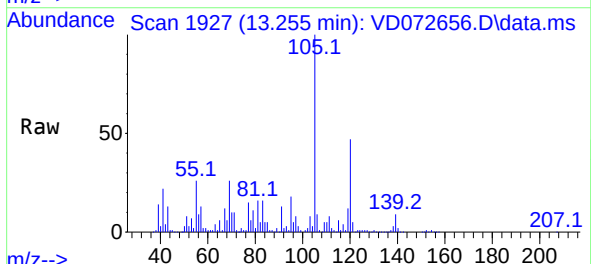
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-1-GR

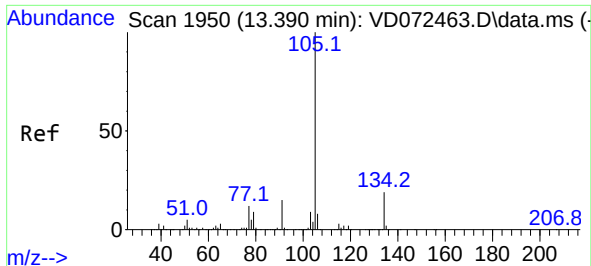
Tgt Ion:119 Resp: 51484
Ion Ratio Lower Upper
119 100
91 92.0 34.8 104.5
134 28.1 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 105.266 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072656.D
Acq: 20 Apr 2022 19:27

Tgt Ion:105 Resp: 667725
Ion Ratio Lower Upper
105 100
120 46.7 22.3 66.8

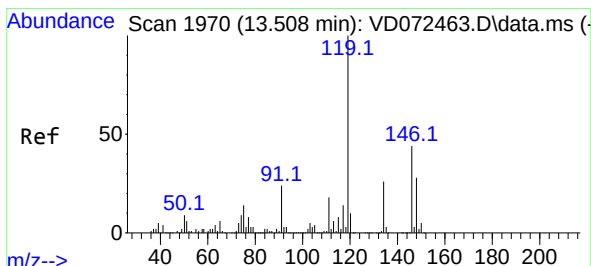
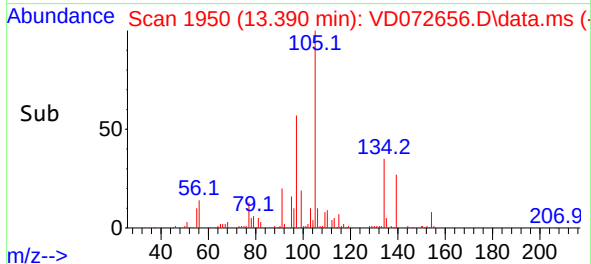
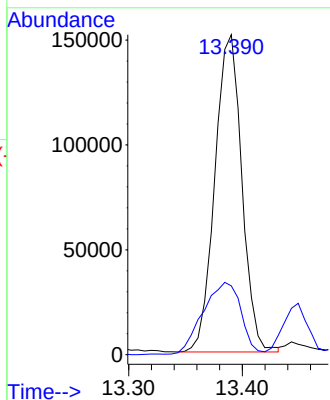
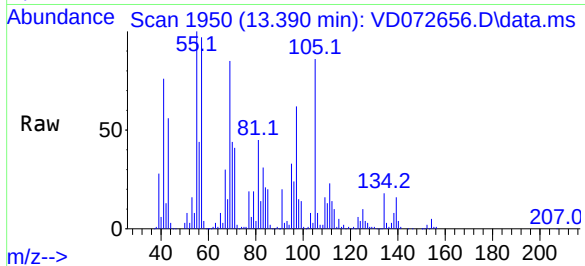




#85
 sec-Butylbenzene
 Concen: 29.586 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD072656.D
 Acq: 20 Apr 2022 19:27

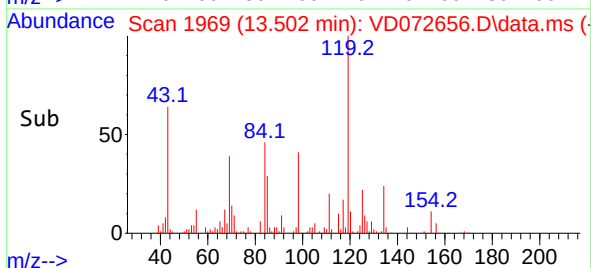
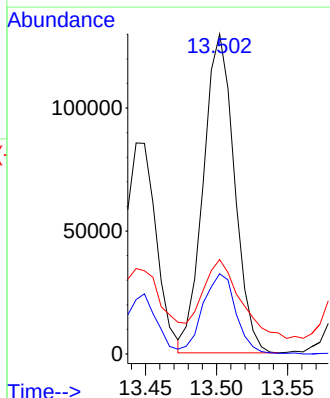
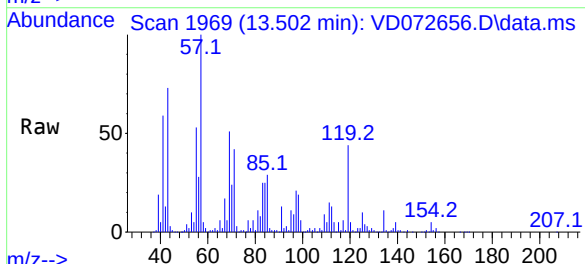
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-16-1A-1-GR

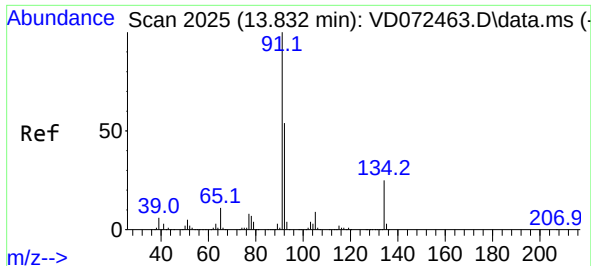
Tgt Ion:105 Resp: 250267
 Ion Ratio Lower Upper
 105 100
 134 32.3 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 28.550 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD072656.D
 Acq: 20 Apr 2022 19:27

Tgt Ion:119 Resp: 197394
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.9 38.6
 91 29.6 12.1 36.3





#89

n-Butylbenzene

Concen: 19.869 ug/l

RT: 13.826 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD072656.D

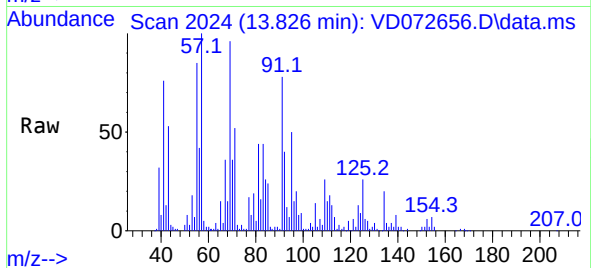
Acq: 20 Apr 2022 19:27

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-1-GR



Tgt Ion: 91 Resp: 130866

Ion Ratio Lower Upper

91 100

92 54.8 26.6 79.8

134 0.0 12.3 36.9#

