

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042222\
 Data File : VD072696.D
 Acq On : 22 Apr 2022 16:11
 Operator : VA/SY
 Sample : N2480-11
 Misc : 5.83G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-16-1A-3

Quant Time: Apr 22 23:46:46 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)

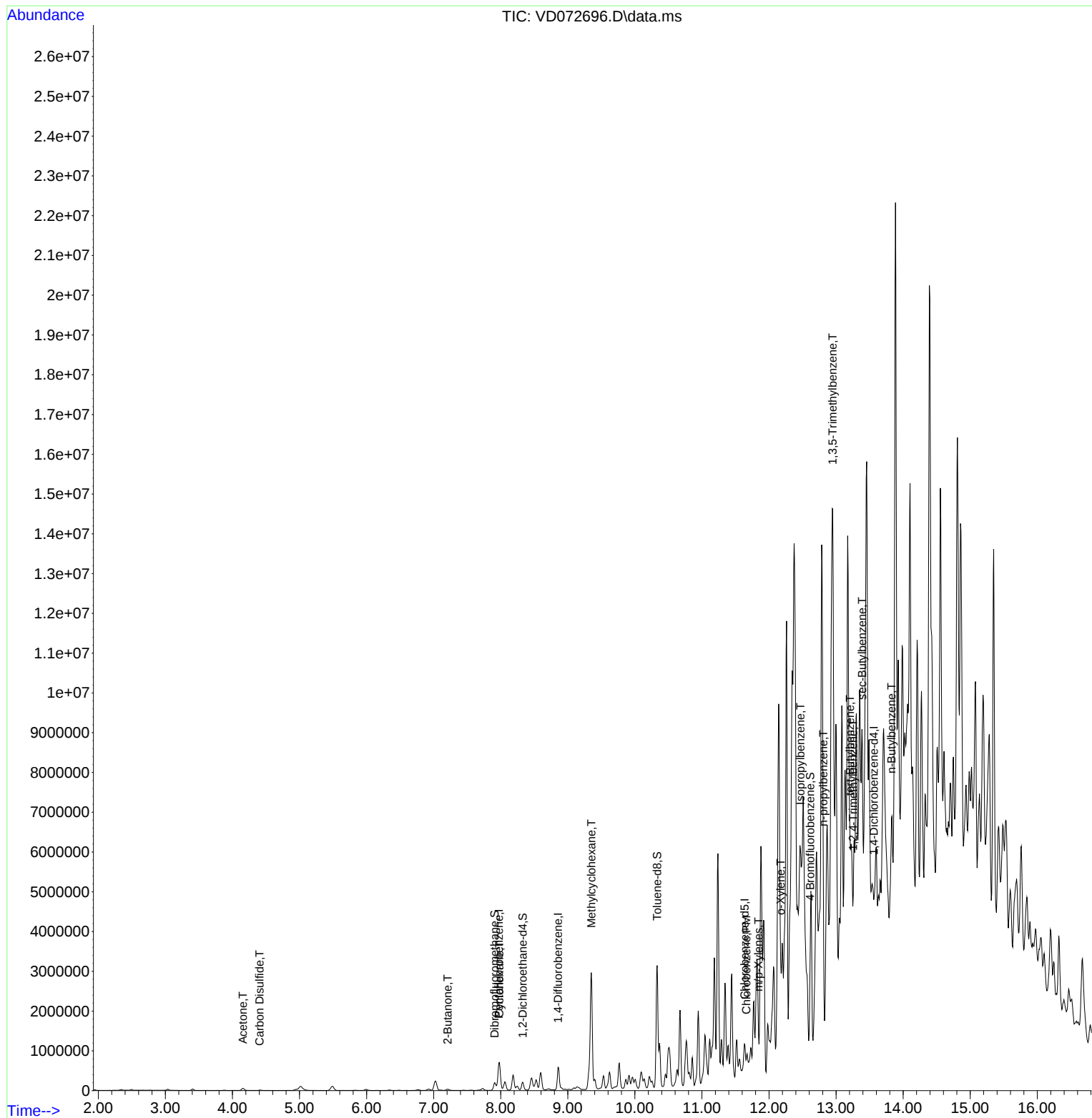
Internal Standards						
1) Pentafluorobenzene	7.973	168	239149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	420797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	383777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	271411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	158487	54.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.560%	
35) Dibromofluoromethane	7.908	113	140922	43.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 86.180%	
50) Toluene-d8	10.332	98	618762	54.433	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.860%	
62) 4-Bromofluorobenzene	12.614	95	466594	105.102	ug/l	-0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	= 210.200%#	
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	93123	172.628	ug/l	94
17) Carbon Disulfide	4.403	76	20996	7.812	ug/l	99
25) 2-Butanone	7.209	43	39792	53.336	ug/l	95
31) Cyclohexane	7.979	56	231793	61.276	ug/l	91
39) Methylcyclohexane	9.350	83	1295251	253.700	ug/l	96
65) Chlorobenzene	11.661	112	17875	2.083	ug/l	91
68) m/p-Xylenes	11.844	106	10089	1.776	ug/l	76
69) o-Xylene	12.173	106	26014	4.747	ug/l	36
73) Isopropylbenzene	12.467	105	1110066	50.643	ug/l	100
78) n-propylbenzene	12.808	91	1343703	50.815	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	61047	3.252	ug/l	97
83) tert-Butylbenzene	13.208	119	183199	11.272	ug/l	87
84) 1,2,4-Trimethylbenzene	13.255	105	209748	11.426	ug/l	98
85) sec-Butylbenzene	13.391	105	1321902	53.999	ug/l #	67
89) n-Butylbenzene	13.826	91	997383	52.325	ug/l #	92

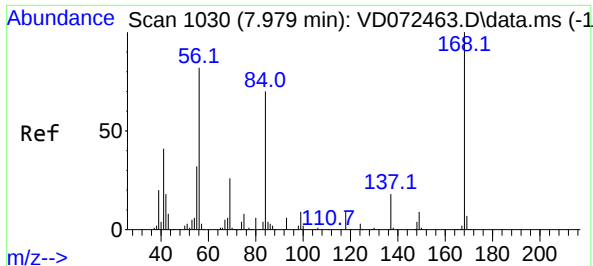
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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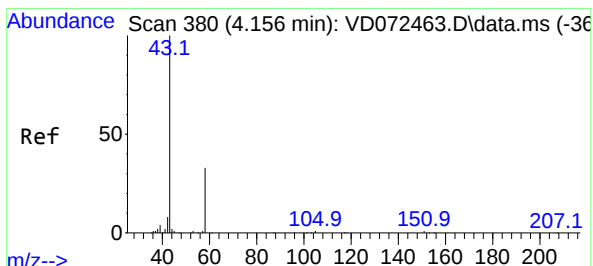
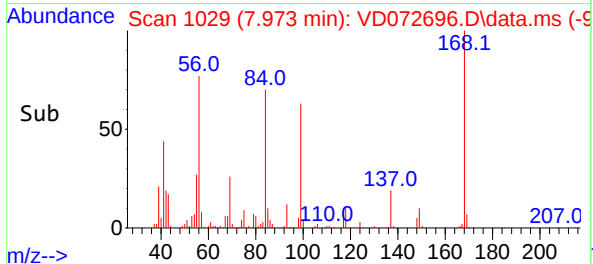
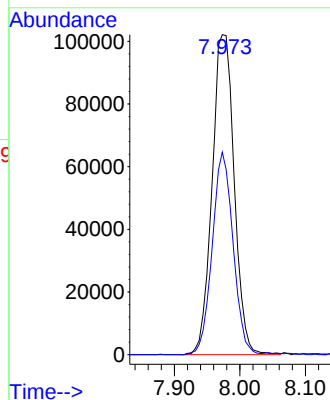
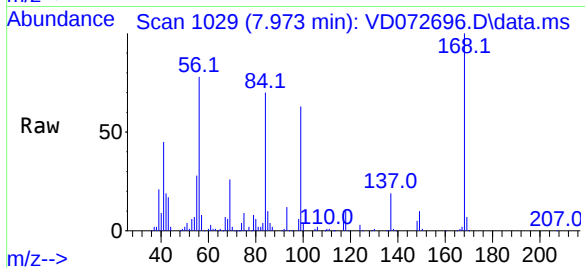




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

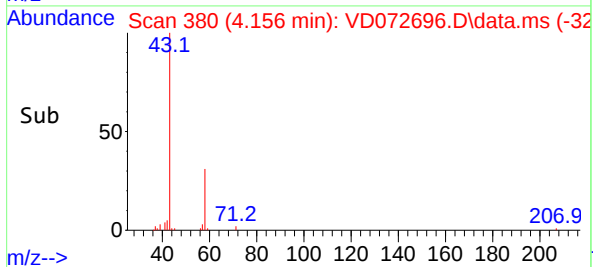
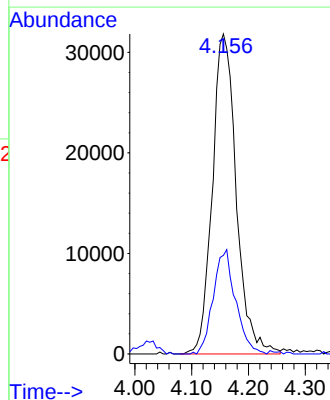
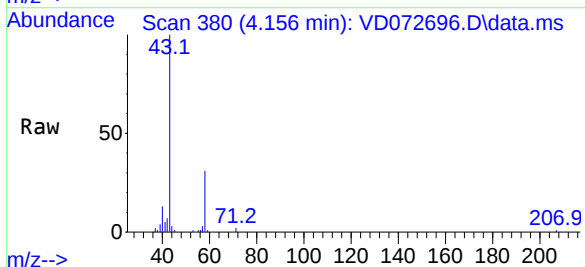
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-3

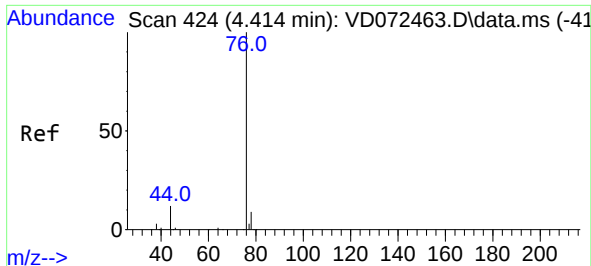
Tgt Ion:168 Resp: 239149
Ion Ratio Lower Upper
168 100
99 63.3 49.8 74.6



#16
Acetone
Concen: 172.628 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

Tgt Ion: 43 Resp: 93123
Ion Ratio Lower Upper
43 100
58 30.8 22.1 33.1

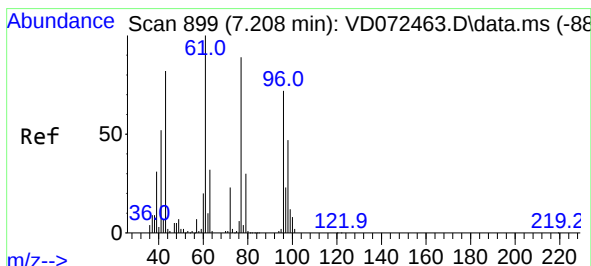
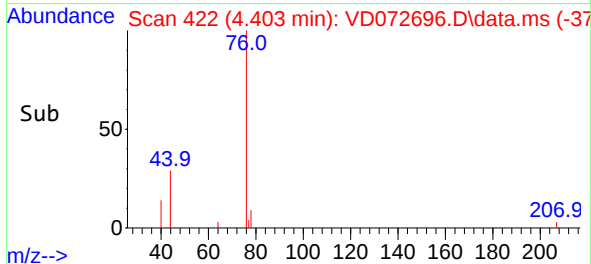
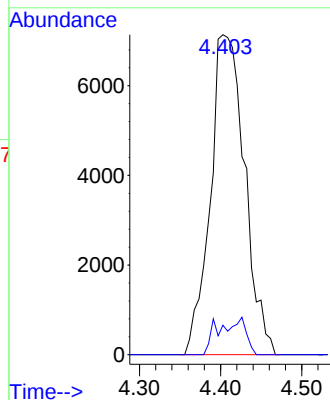
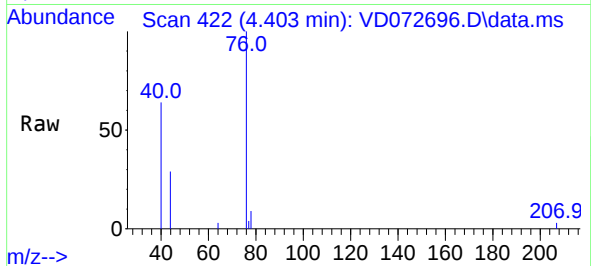




#17
Carbon Disulfide
Concen: 7.812 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

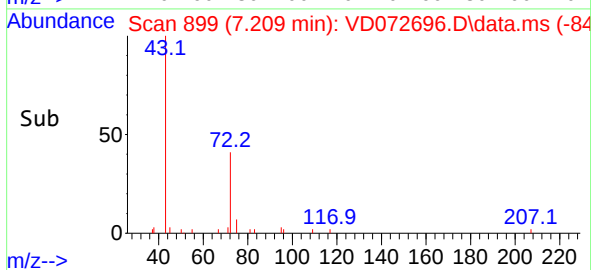
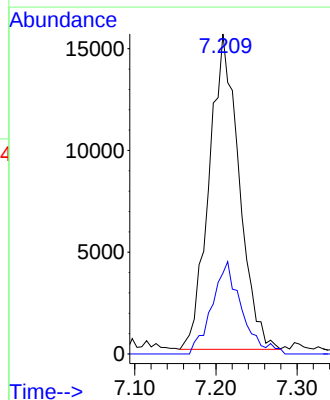
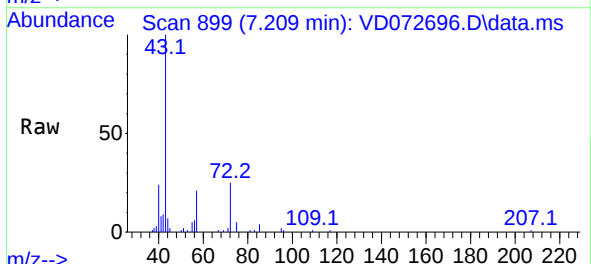
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-3

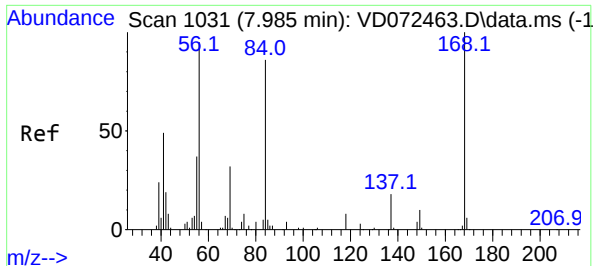
Tgt Ion: 76 Resp: 20996
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#25
2-Butanone
Concen: 53.336 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

Tgt Ion: 43 Resp: 39792
Ion Ratio Lower Upper
43 100
72 25.6 18.6 27.8





#31

Cyclohexane

Concen: 61.276 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072696.D

Acq: 22 Apr 2022 16:11

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-3

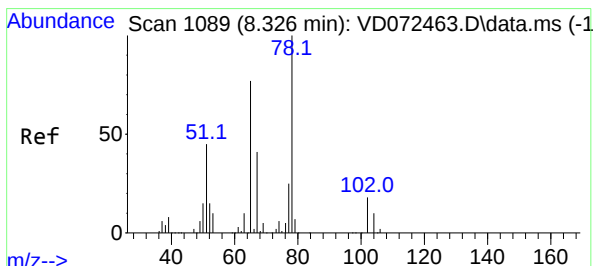
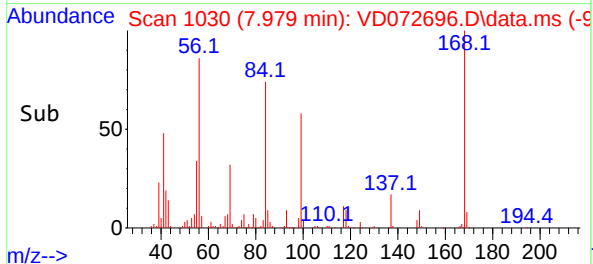
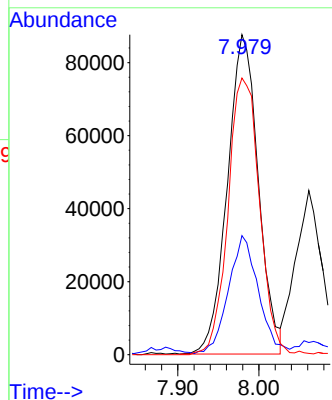
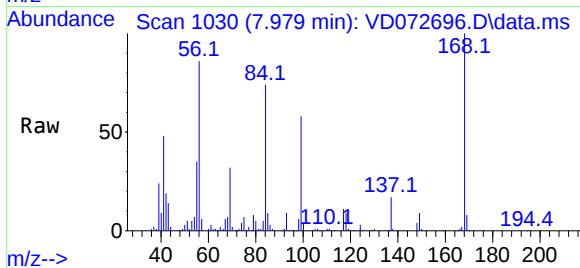
Tgt Ion: 56 Resp: 231793

Ion Ratio Lower Upper

56 100

69 36.1 25.4 38.2

84 86.6 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 54.783 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072696.D

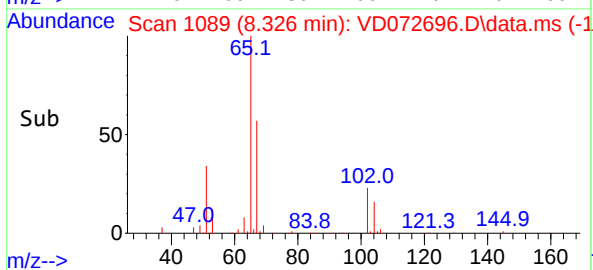
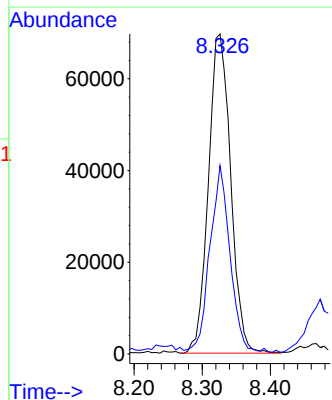
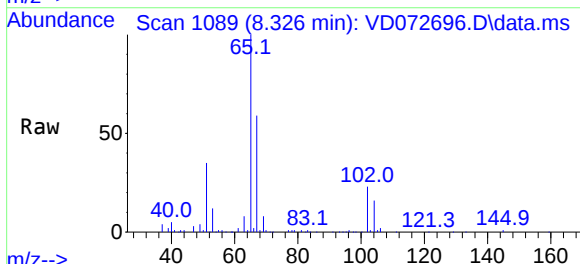
Acq: 22 Apr 2022 16:11

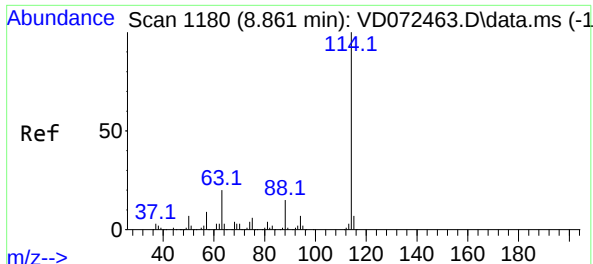
Tgt Ion: 65 Resp: 158487

Ion Ratio Lower Upper

65 100

67 51.7 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: VD072696.D

Acq: 22 Apr 2022 16:11

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-3

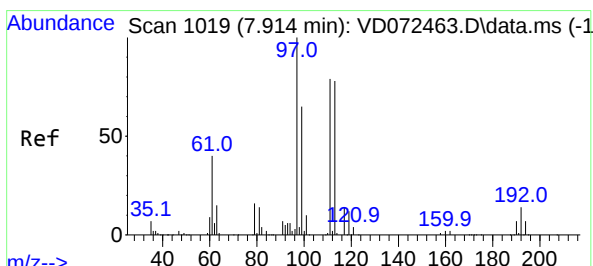
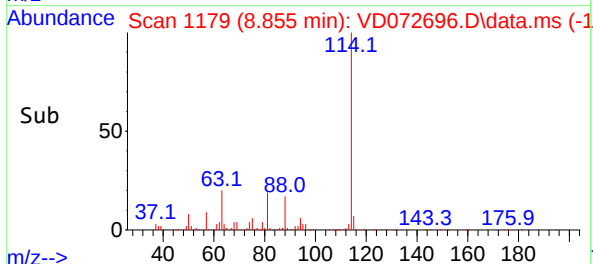
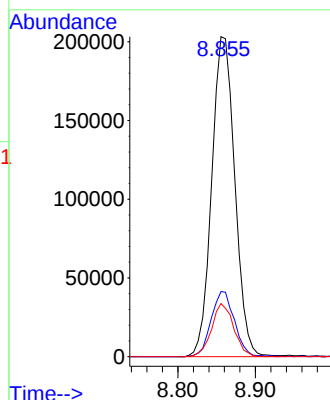
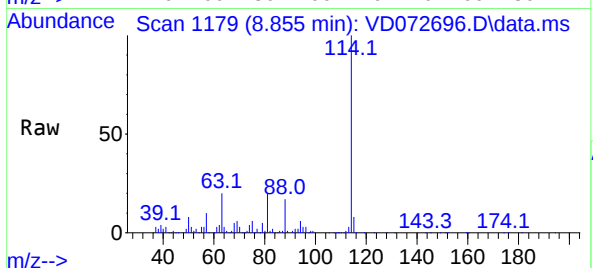
Tgt Ion:114 Resp: 420797

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 16.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 43.093 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072696.D

Acq: 22 Apr 2022 16:11

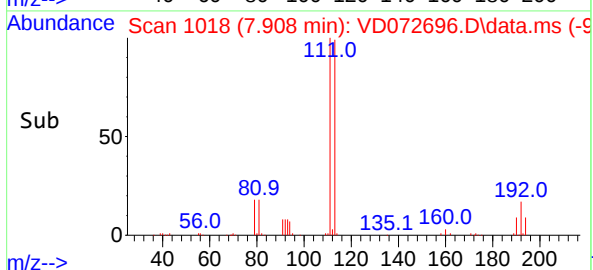
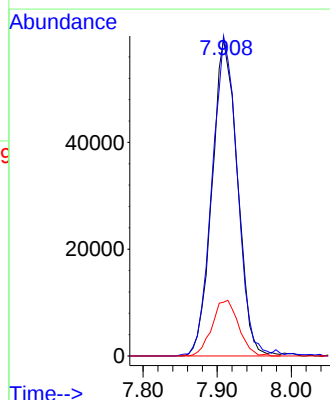
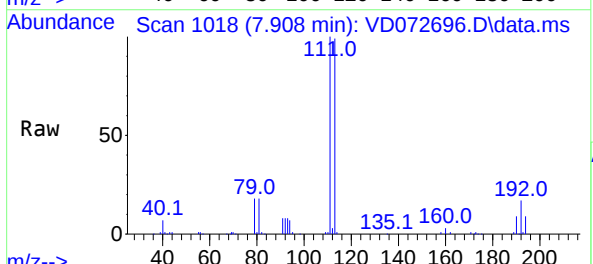
Tgt Ion:113 Resp: 140922

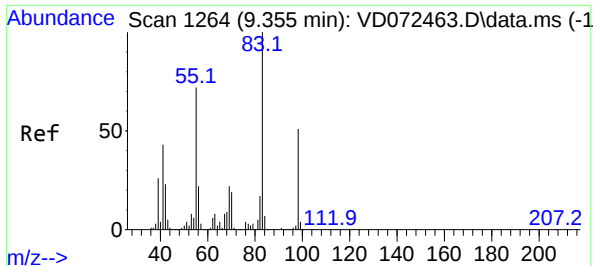
Ion Ratio Lower Upper

113 100

111 100.9 83.8 125.6

192 18.5 14.6 21.8

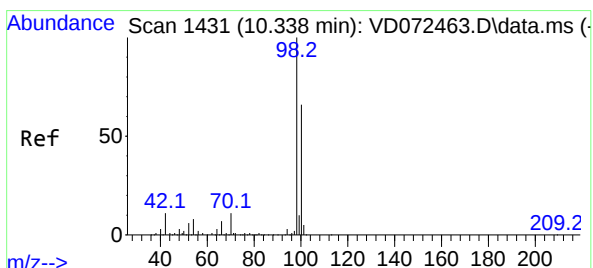
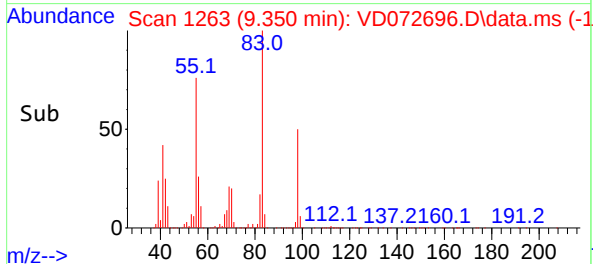
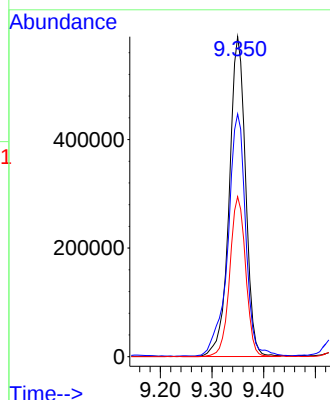
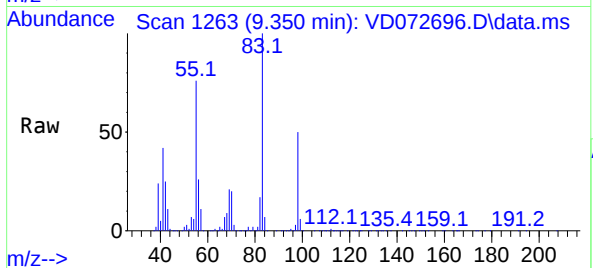




#39
Methylcyclohexane
Concen: 253.700 ug/l
RT: 9.350 min Scan# 11
Delta R.T. -0.005 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

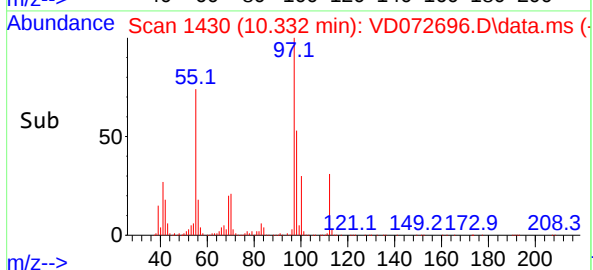
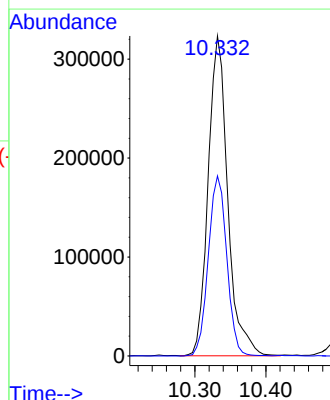
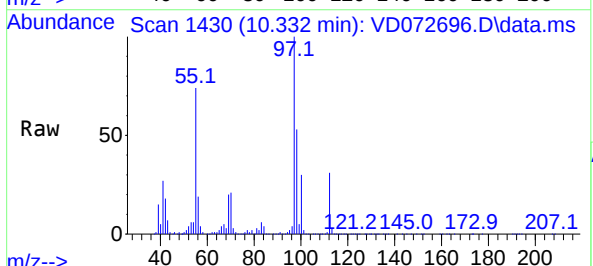
Instrument :
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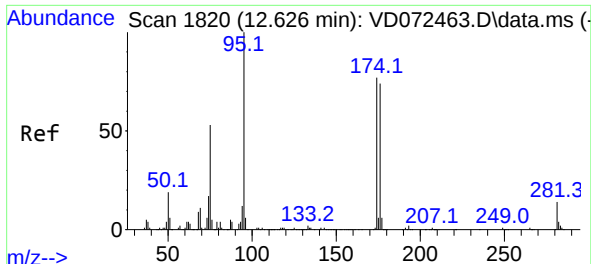
Tgt Ion: 83 Resp: 1295251
Ion Ratio Lower Upper
83 100
55 75.7 63.2 94.8
98 50.0 38.2 57.4



#50
Toluene-d8
Concen: 54.433 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

Tgt Ion: 98 Resp: 618762
Ion Ratio Lower Upper
98 100
100 53.1 52.4 78.6

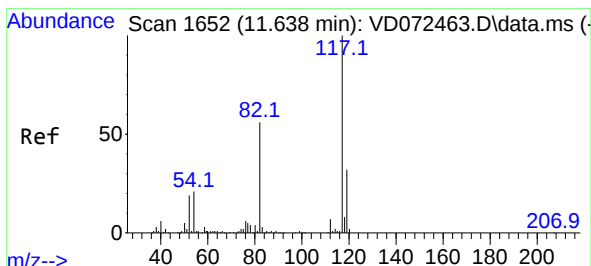
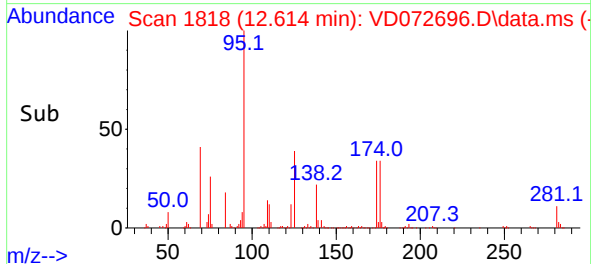
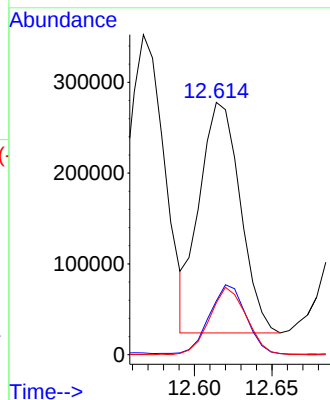
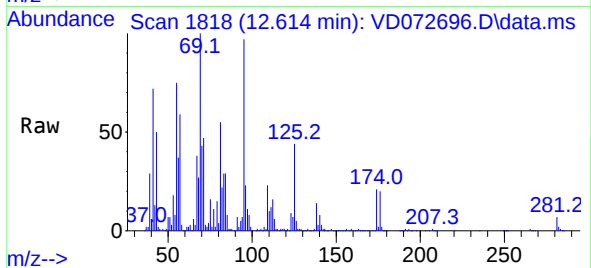




#62
4-Bromofluorobenzene
Concen: 105.102 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.012 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

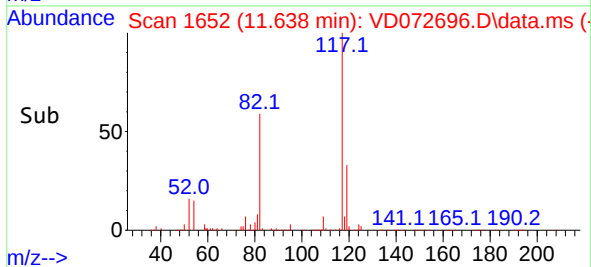
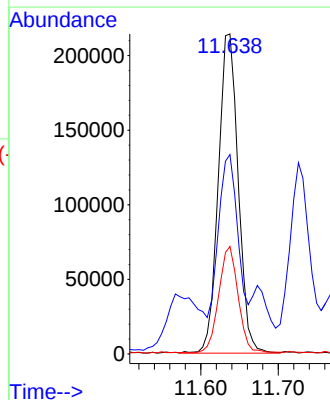
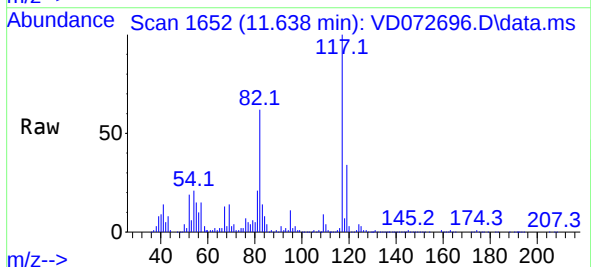
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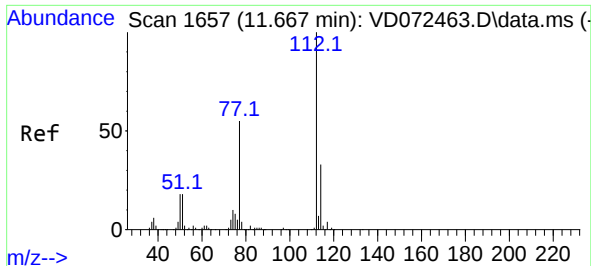
Tgt Ion: 95 Resp: 466594
Ion Ratio Lower Upper
95 100
174 26.8 0.0 152.8
176 26.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

Tgt Ion: 117 Resp: 383777
Ion Ratio Lower Upper
117 100
82 53.1 45.3 67.9
119 33.2 26.6 40.0

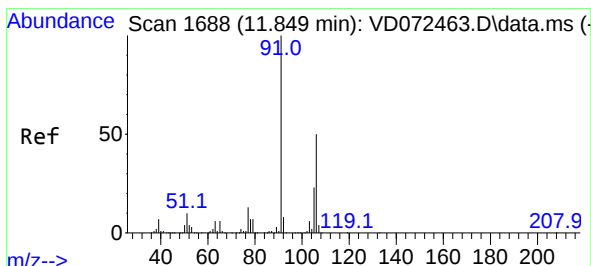
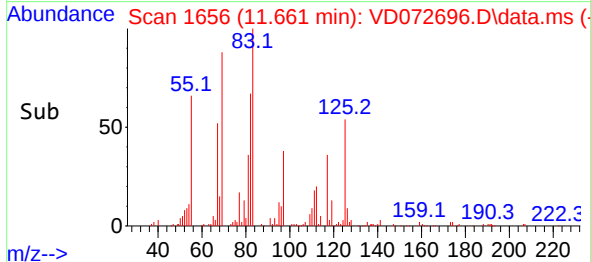
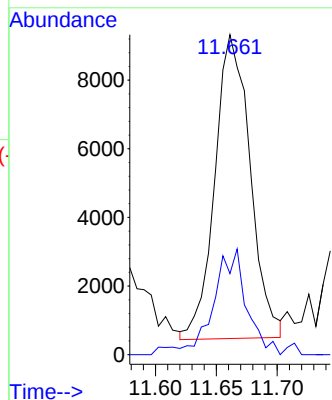
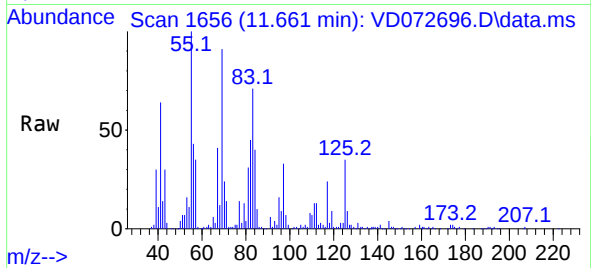




#65
Chlorobenzene
Concen: 2.083 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.006 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

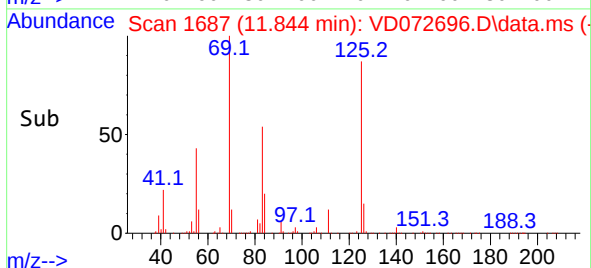
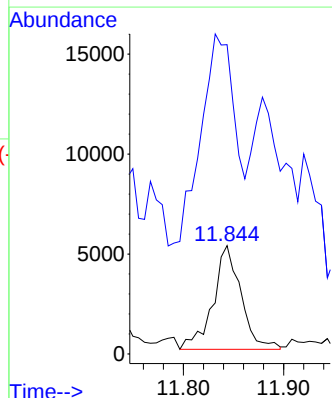
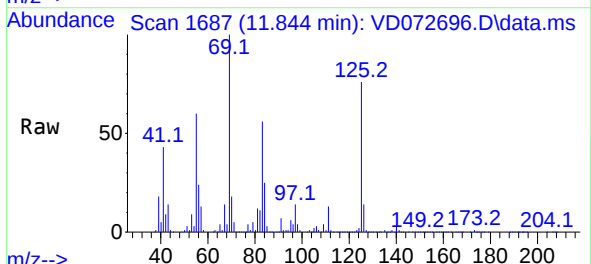
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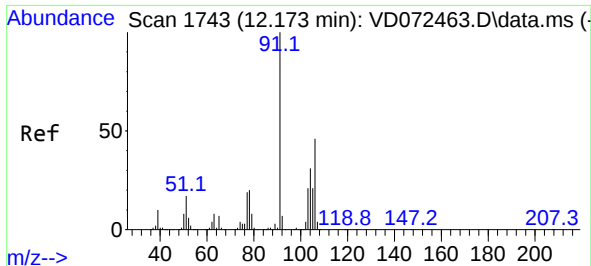
Tgt Ion:112 Resp: 17875
Ion Ratio Lower Upper
112 100
114 27.3 25.8 38.6



#68
m/p-Xylenes
Concen: 1.776 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

Tgt Ion:106 Resp: 10089
Ion Ratio Lower Upper
106 100
91 241.8 163.7 245.5

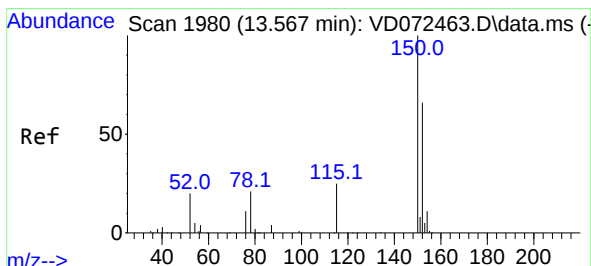
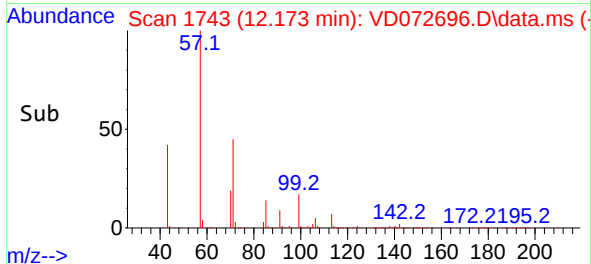
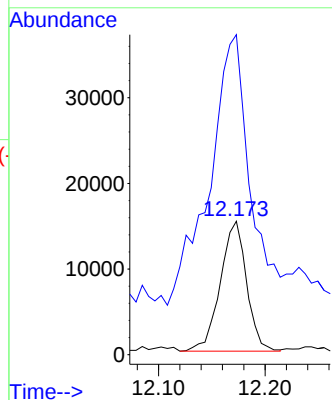
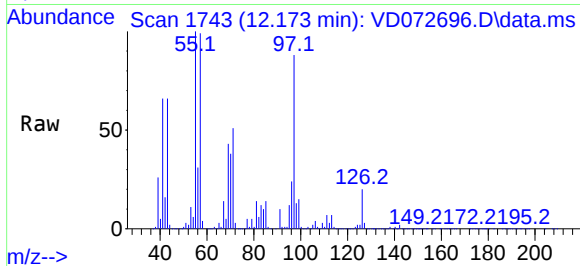




#69
o-Xylene
Concen: 4.747 ug/l
RT: 12.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

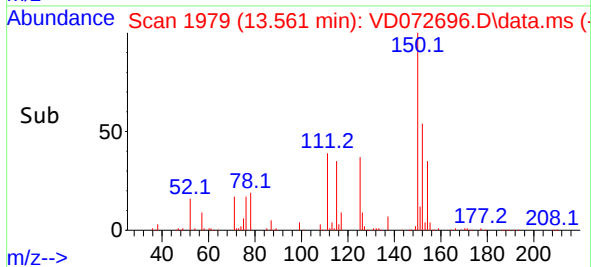
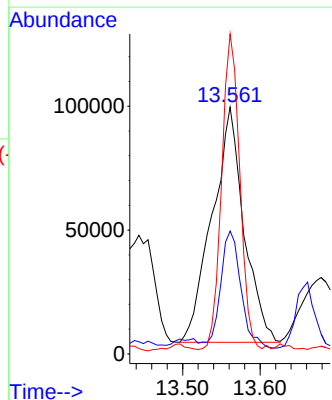
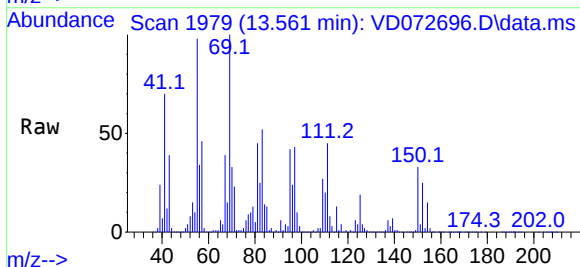
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-3

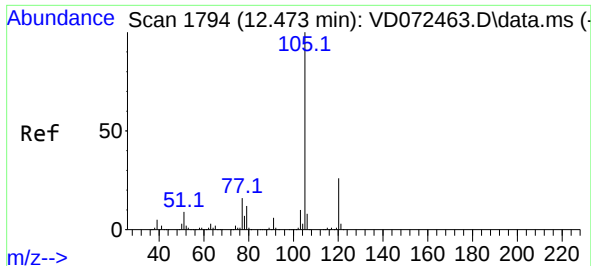
Tgt Ion:106 Resp: 26014
Ion Ratio Lower Upper
106 100
91 323.3 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

Tgt Ion:152 Resp: 271411
Ion Ratio Lower Upper
152 100
115 31.5 31.3 93.8
150 76.2 0.0 348.6

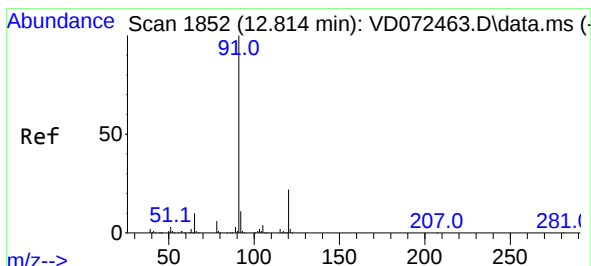
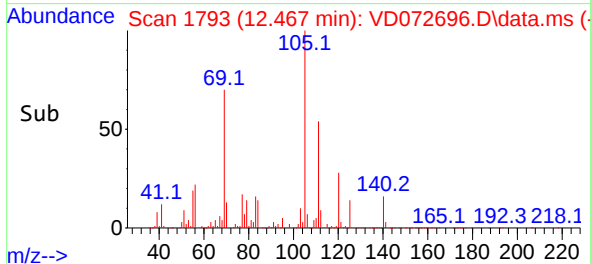
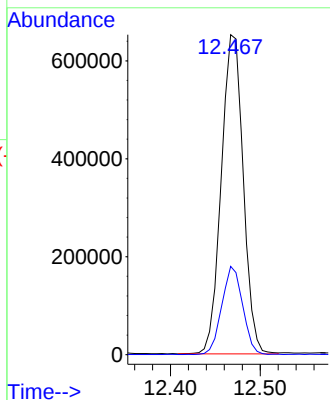
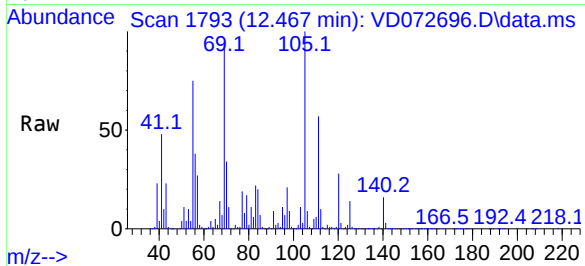




#73
Isopropylbenzene
Concen: 50.643 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

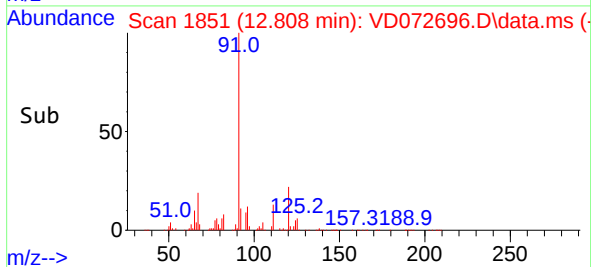
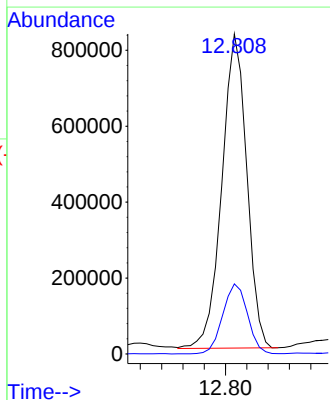
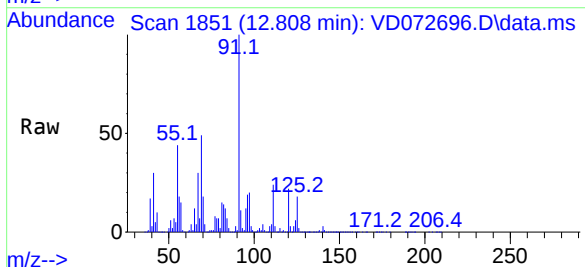
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-3

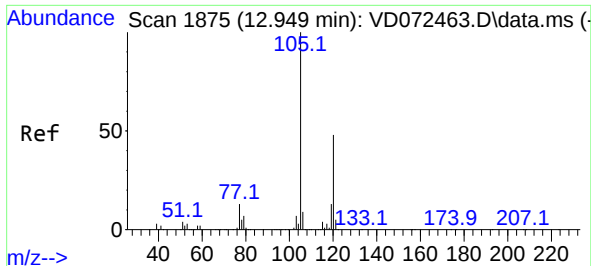
Tgt Ion:105 Resp: 1110066
Ion Ratio Lower Upper
105 100
120 26.1 13.0 38.9



#78
n-propylbenzene
Concen: 50.815 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

Tgt Ion: 91 Resp: 1343703
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.9

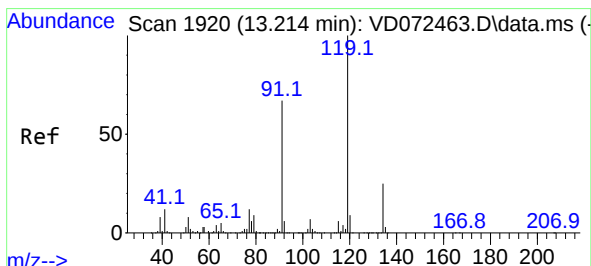
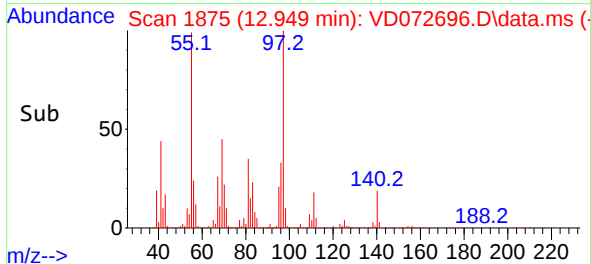
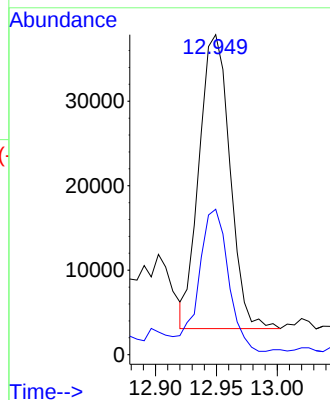
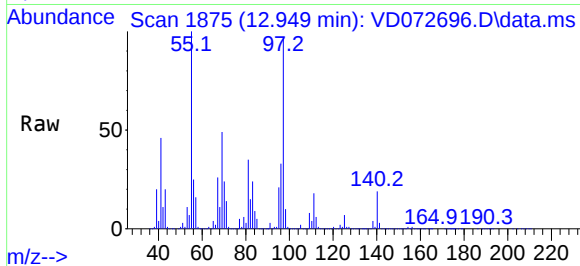




#80
1,3,5-Trimethylbenzene
Concen: 3.252 ug/l
RT: 12.949 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

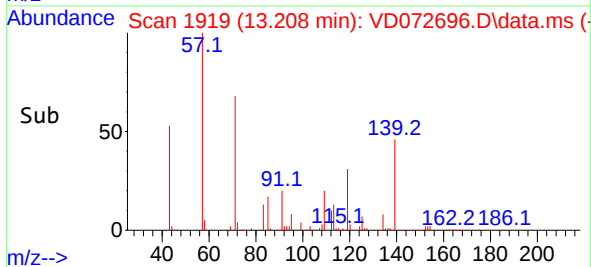
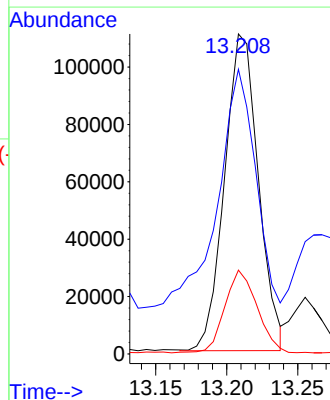
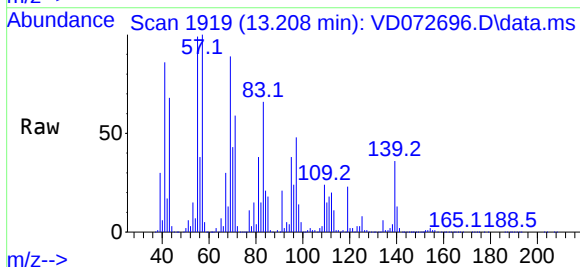
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-3

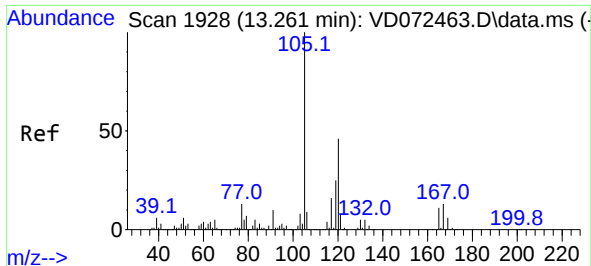
Tgt Ion:105 Resp: 61047
Ion Ratio Lower Upper
105 100
120 46.6 24.3 72.8



#83
tert-Butylbenzene
Concen: 11.272 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

Tgt Ion:119 Resp: 183199
Ion Ratio Lower Upper
119 100
91 82.9 34.8 104.5
134 25.0 13.3 39.9

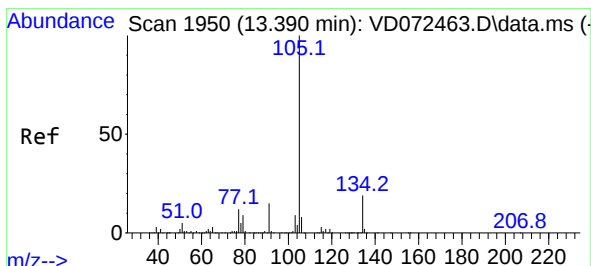
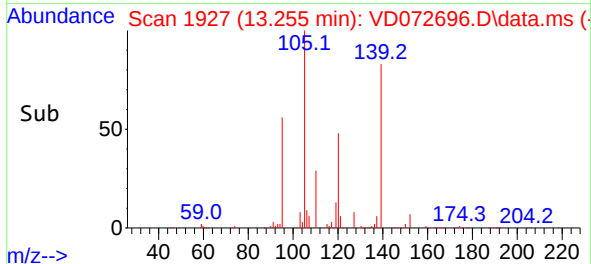
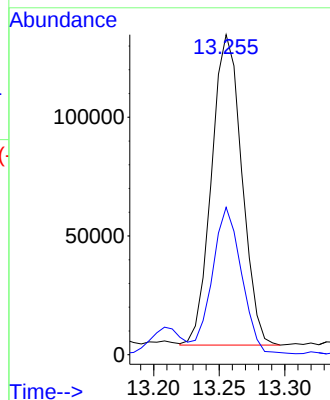
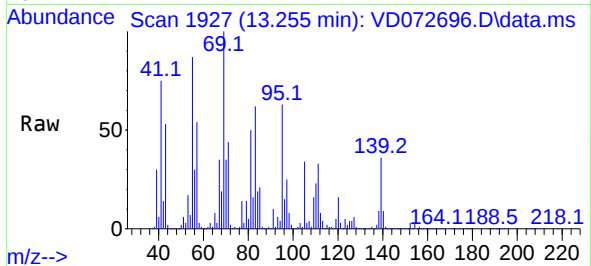




#84
1,2,4-Trimethylbenzene
Concen: 11.426 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

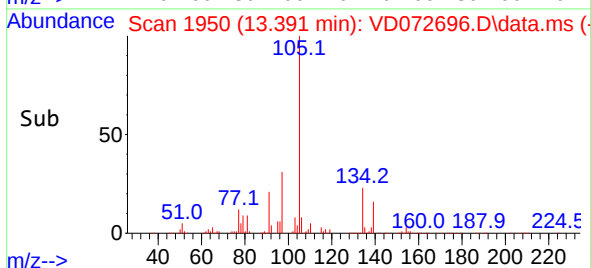
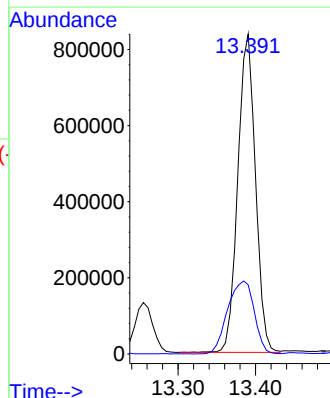
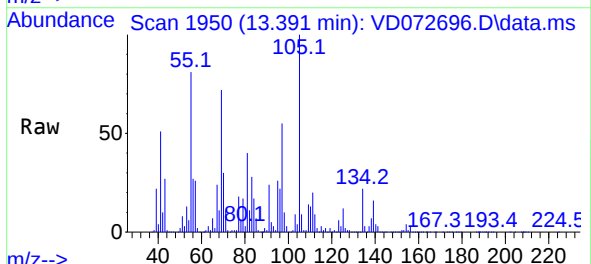
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-3

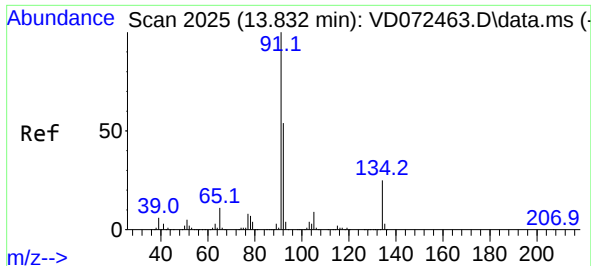
Tgt Ion:105 Resp: 209748
Ion Ratio Lower Upper
105 100
120 45.8 22.3 66.8



#85
sec-Butylbenzene
Concen: 53.999 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VD072696.D
Acq: 22 Apr 2022 16:11

Tgt Ion:105 Resp: 1321902
Ion Ratio Lower Upper
105 100
134 34.5 9.8 29.3#





#89

n-Butylbenzene

Concen: 52.325 ug/l

RT: 13.826 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD072696.D

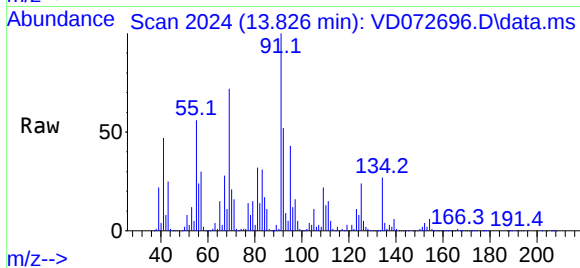
Acq: 22 Apr 2022 16:11

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-3



Tgt Ion: 91 Resp: 997383

Ion Ratio Lower Upper

91 100

92 53.4 26.6 79.8

134 37.1 12.3 36.9#

