

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072021\
 Data File : VW019520.D
 Acq On : 20 Jul 2021 18:57
 Operator : SY/VA
 Sample : M3051-01
 Misc : 5.06g/5.3mL/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 41260

Quant Time: Jul 21 02:06:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W071921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 20 04:37:55 2021
 Response via : Initial Calibration

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

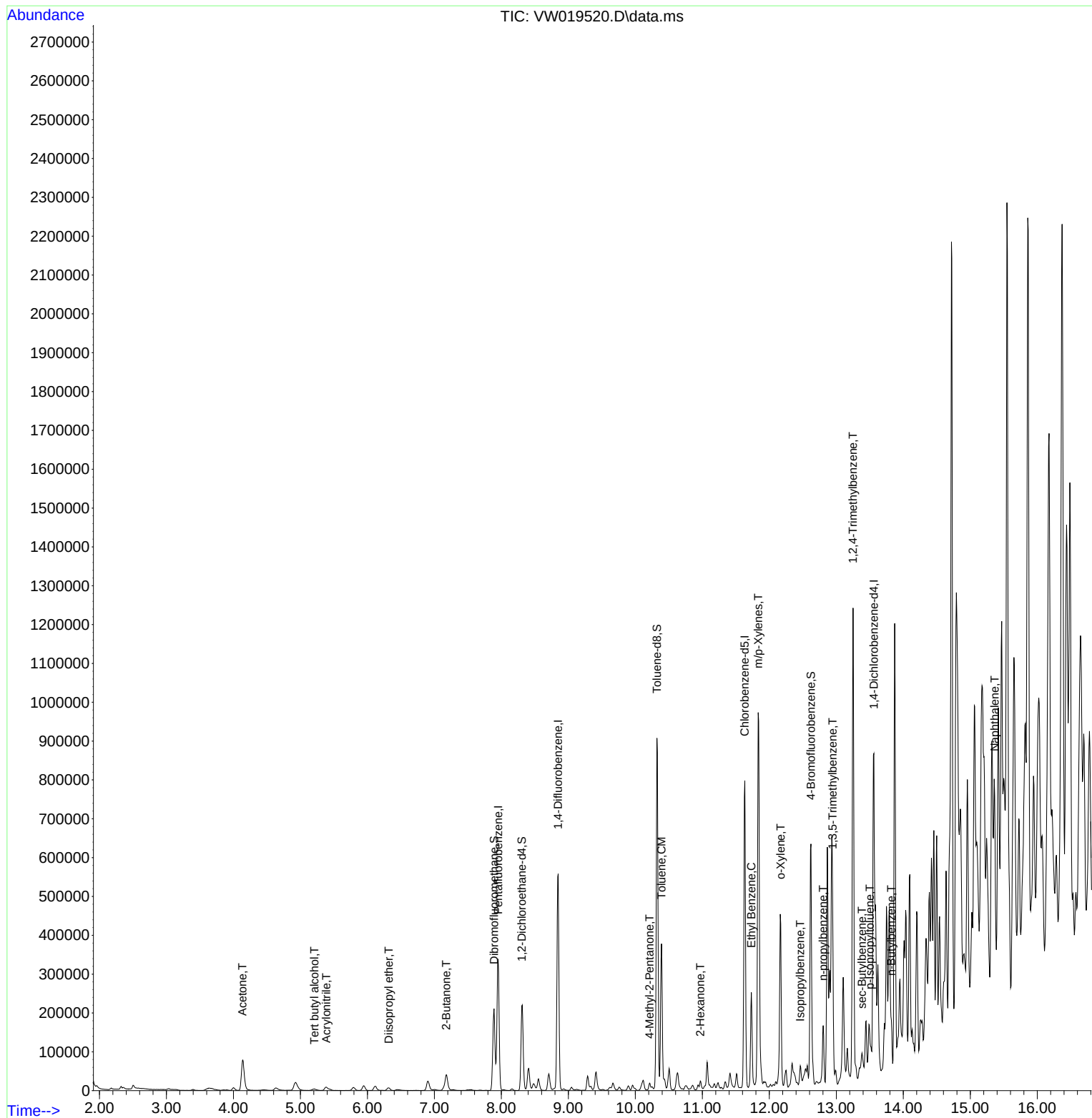
Internal Standards						
1) Pentafluorobenzene	7.951	168	252111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	471459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	431291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	200036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	176381	74.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 149.080%			
35) Dibromofluoromethane	7.890	113	151797	52.700	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.400%			
50) Toluene-d8	10.323	98	595912	53.434	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.860%			
62) 4-Bromofluorobenzene	12.621	95	221570	52.965	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.940%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.208	59	8915	34.812	ug/l #	93
15) Acrylonitrile	5.385	53	11996	18.994	ug/l	97
16) Acetone	4.135	43	153784	335.396	ug/l	96
22) Diisopropyl ether	6.318	45	8710	1.023	ug/l	99
25) 2-Butanone	7.177	43	65612	83.186	ug/l	97
51) 4-Methyl-2-Pentanone	10.213	43	11897	5.857	ug/l	98
52) Toluene	10.390	92	159745	18.295	ug/l	98
59) 2-Hexanone	10.969	43	12443	9.234	ug/l	98
67) Ethyl Benzene	11.731	91	167997	10.003	ug/l	97
68) m/p-Xylenes	11.835	106	255435	39.788	ug/l	97
69) o-Xylene	12.170	106	117847	19.635	ug/l	95
73) Isopropylbenzene	12.463	105	29644	1.950	ug/l	98
78) n-propylbenzene	12.804	91	114998	6.052	ug/l	98
80) 1,3,5-Trimethylbenzene	12.944	105	178206	13.750	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	671724	51.791	ug/l	100
85) sec-Butylbenzene	13.383	105	30764	1.820	ug/l #	76
86) p-Isopropyltoluene	13.499	119	45681	3.280	ug/l	99
89) n-Butylbenzene	13.822	91	70784	5.192	ug/l #	83
95) Naphthalene	15.365	128	197253	25.869	ug/l #	95

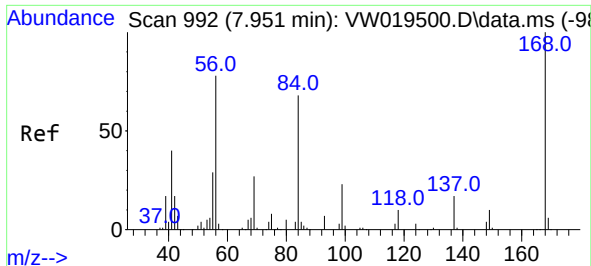
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 20 04:37:55 2021
Response via : Initial Calibration

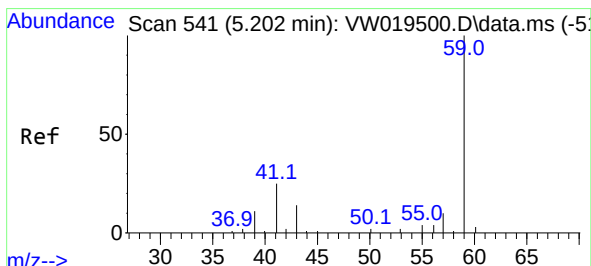
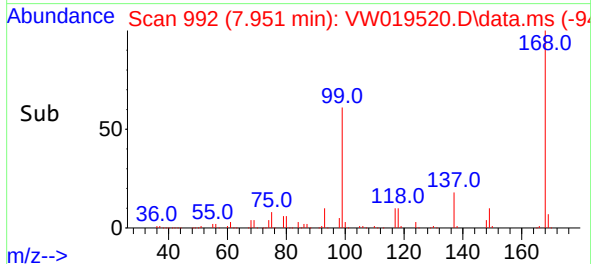
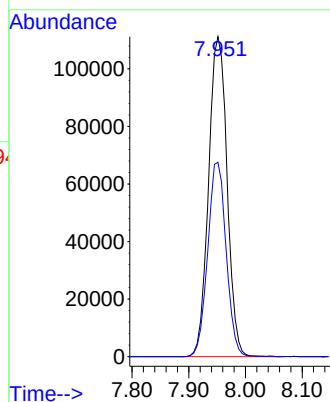
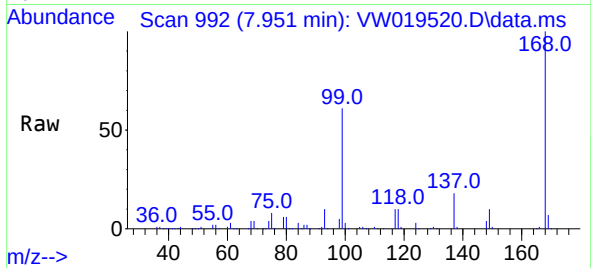




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.951 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

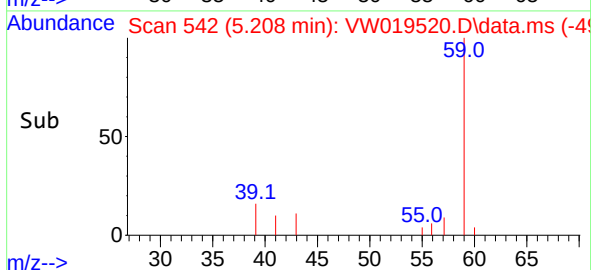
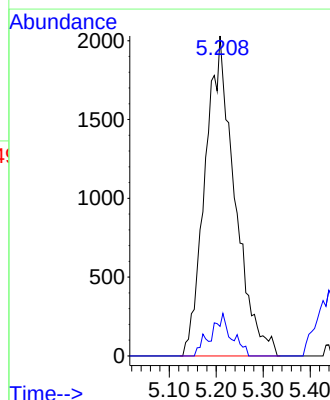
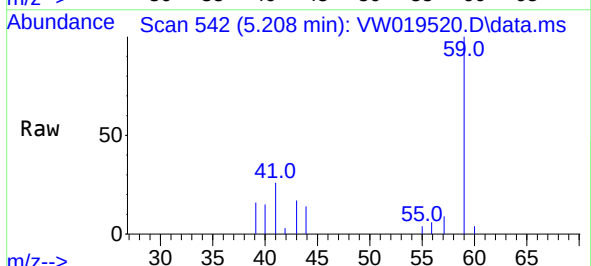
Instrument :
MSVOA_W
ClientSampled :
41260

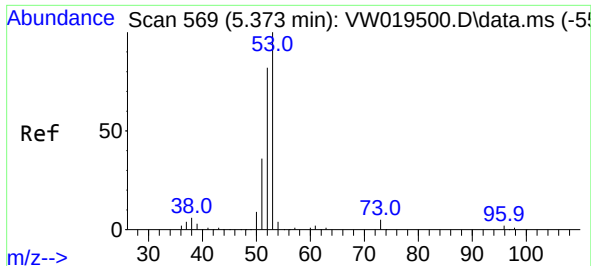
Tgt Ion:168 Resp: 252111
Ion Ratio Lower Upper
168 100
99 60.7 51.9 77.9



#11
Tert butyl alcohol
Concen: 34.812 ug/l
RT: 5.208 min Scan# 542
Delta R.T. 0.006 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion: 59 Resp: 8915
Ion Ratio Lower Upper
59 100
57 7.4 8.0 12.0#

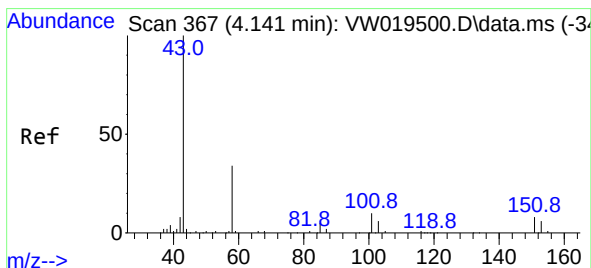
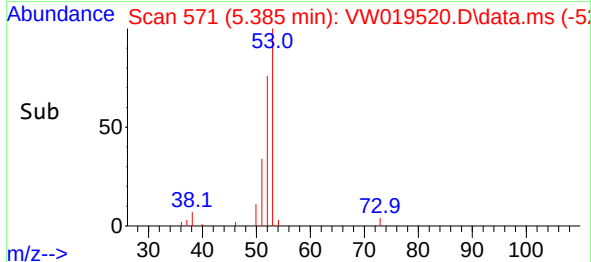
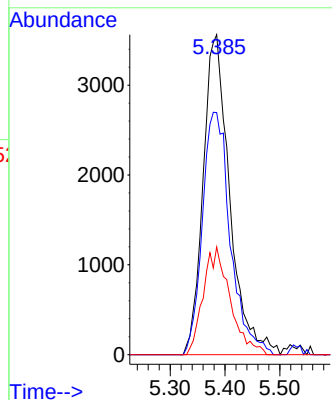
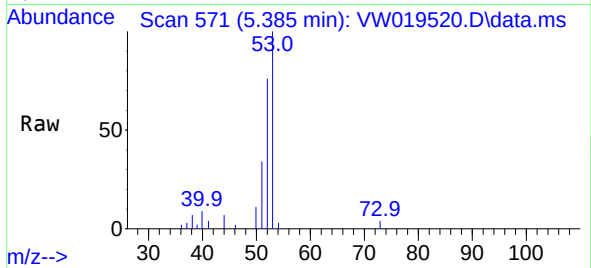




#15
Acrylonitrile
Concen: 18.994 ug/l
RT: 5.385 min Scan# 571
Delta R.T. 0.012 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

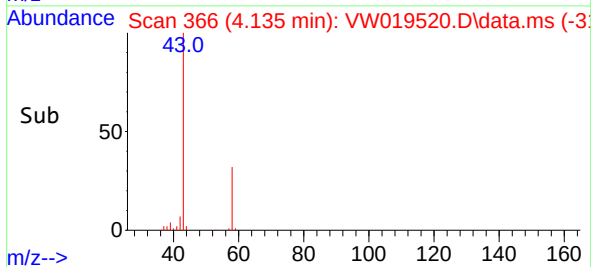
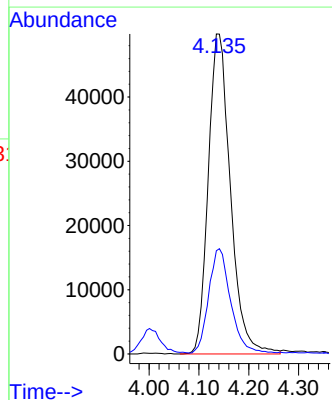
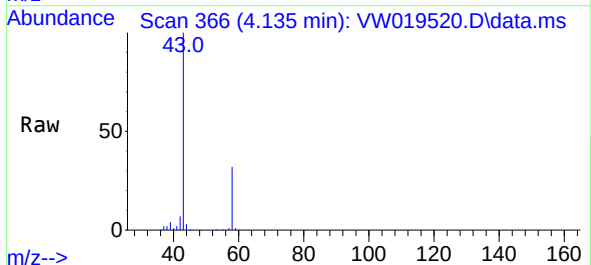
Instrument :
MSVOA_W
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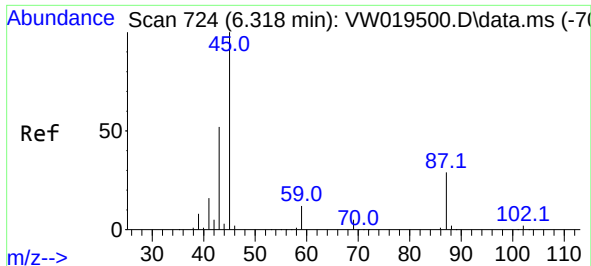
Tgt Ion:	53	Resp:	11996
Ion	Ratio	Lower	Upper
53	100		
52	79.6	65.9	98.9
51	34.2	29.2	43.8



#16
Acetone
Concen: 335.396 ug/l
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion:	43	Resp:	153784
Ion	Ratio	Lower	Upper
43	100		
58	31.7	27.2	40.8



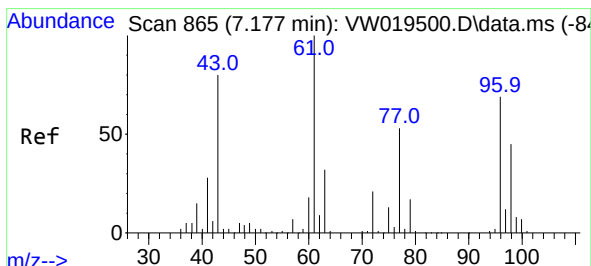
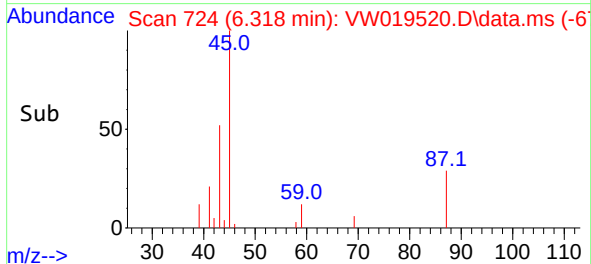
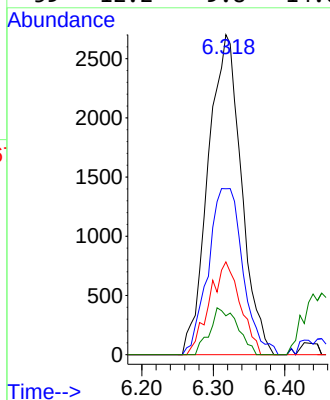
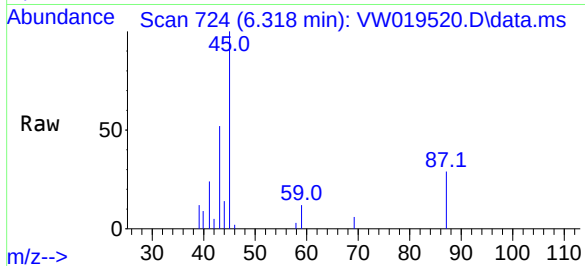


#22
Diisopropyl ether
Concen: 1.023 ug/l
RT: 6.318 min Scan# 724
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Instrument :
MSVOA_W
ClientSampled :
41260

Tgt Ion: 45 Resp: 8710

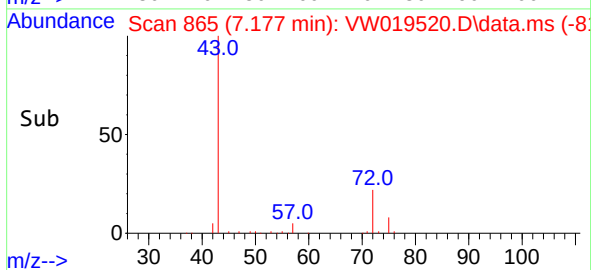
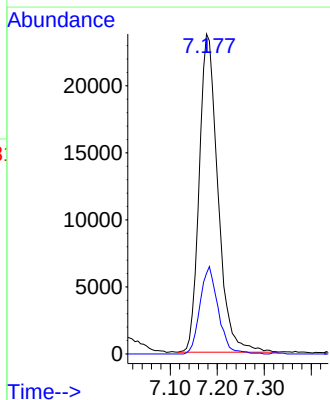
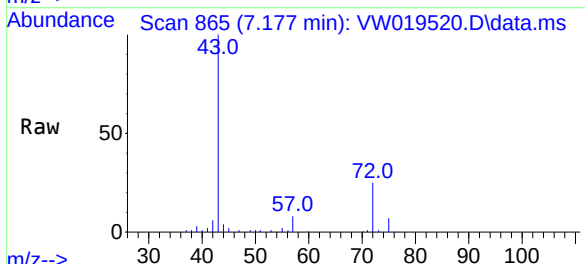
Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.0	63.0
87	29.0	23.0	34.6
59	12.2	9.8	14.6

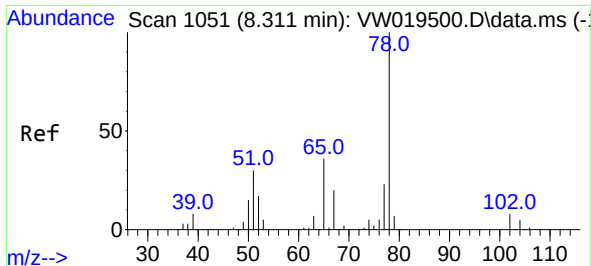


#25
2-Butanone
Concen: 83.186 ug/l
RT: 7.177 min Scan# 865
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion: 43 Resp: 65612

Ion	Ratio	Lower	Upper
43	100		
72	25.3	21.4	32.0

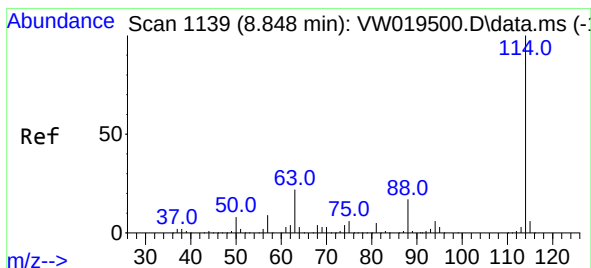
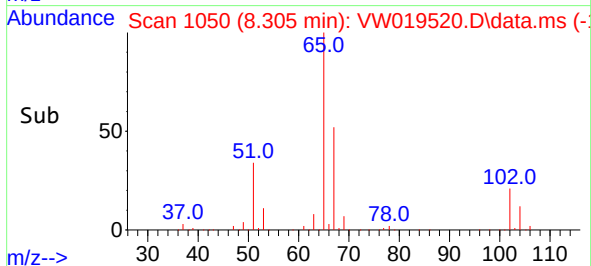
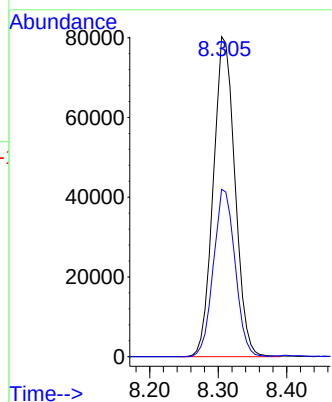
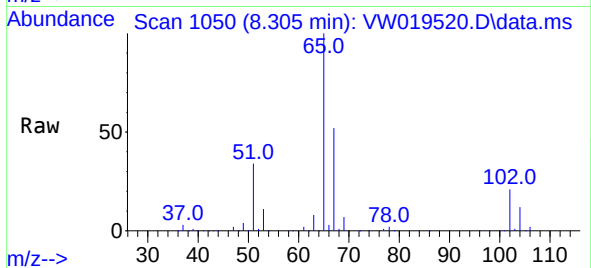




#33
1,2-Dichloroethane-d4
Concen: 74.538 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. -0.006 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

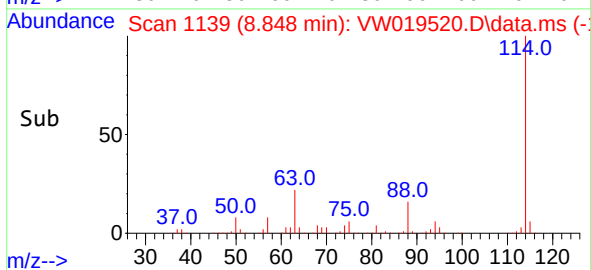
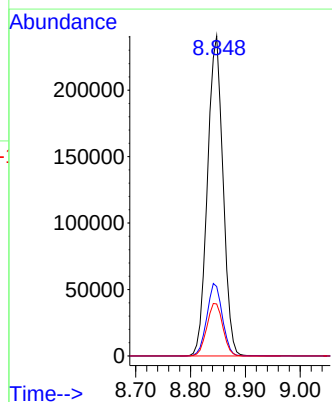
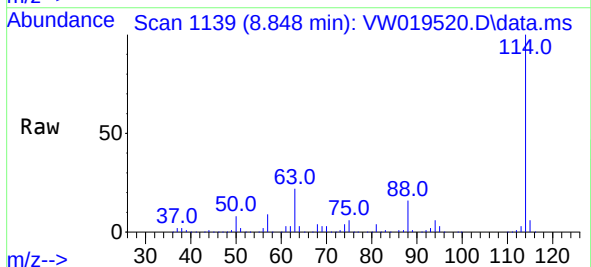
Instrument :
MSVOA_W
ClientSampled :
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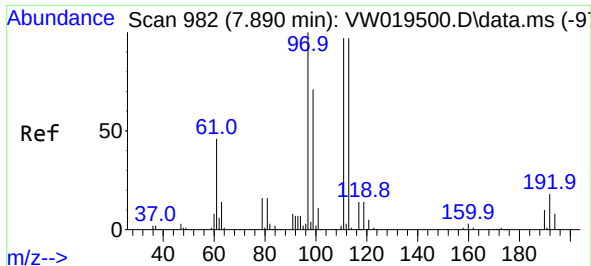
Tgt Ion: 65 Resp: 176381
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.848 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion: 114 Resp: 471459
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.8
88 16.3 0.0 33.4

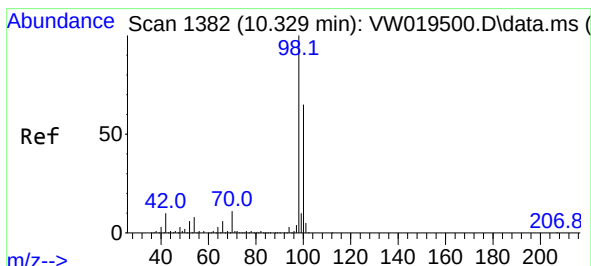
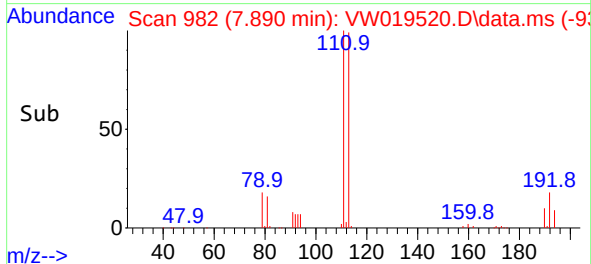
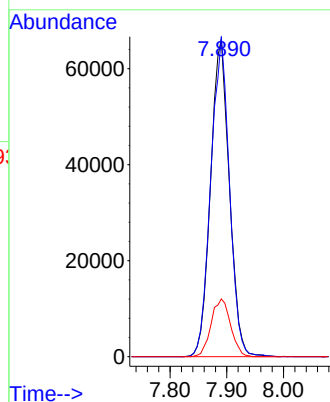
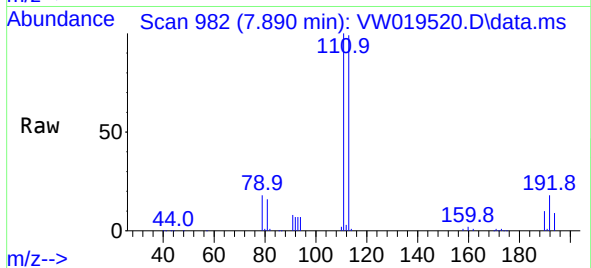




#35
Dibromofluoromethane
Concen: 52.700 ug/l
RT: 7.890 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

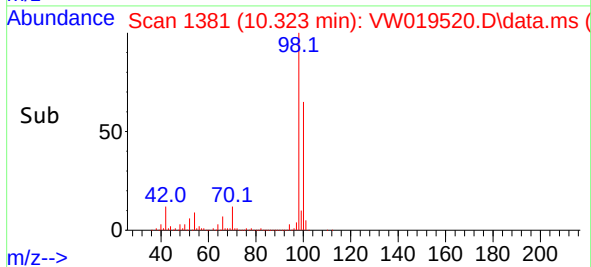
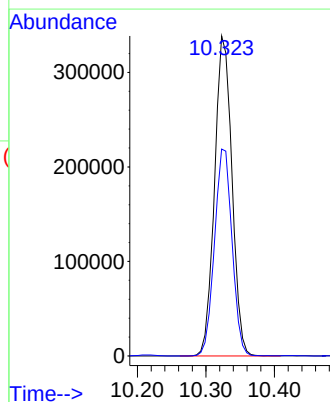
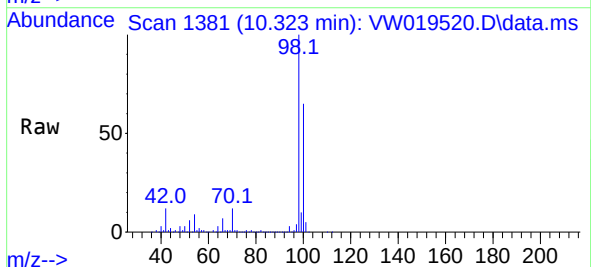
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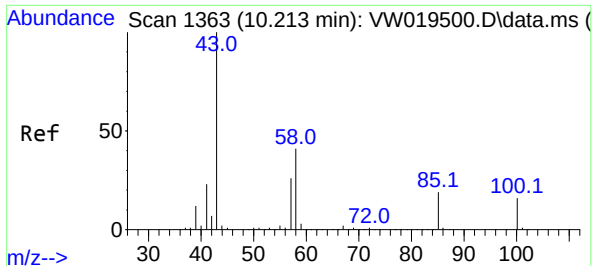
Tgt Ion:113 Resp: 151797
Ion Ratio Lower Upper
113 100
111 99.9 83.8 125.6
192 18.9 15.4 23.2



#50
Toluene-d8
Concen: 53.434 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion: 98 Resp: 595912
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4

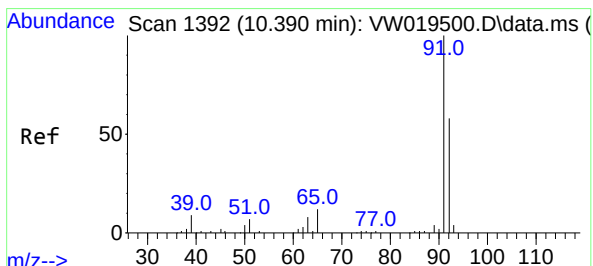
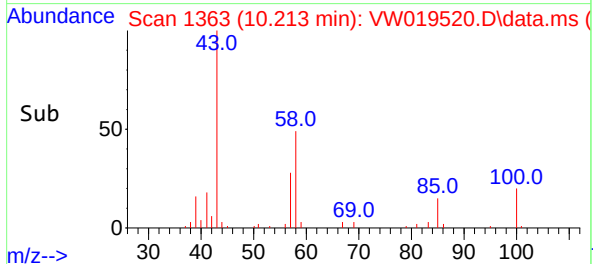
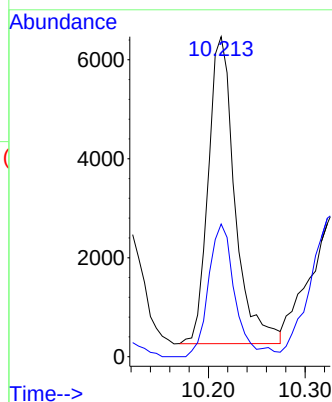
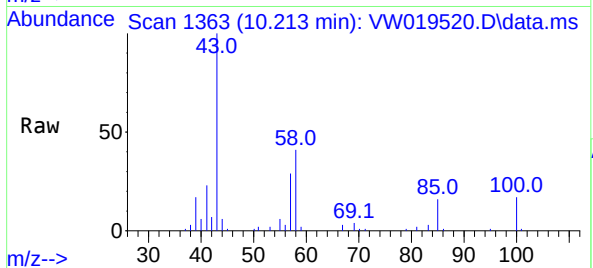




#51
4-Methyl-2-Pentanone
Concen: 5.857 ug/l
RT: 10.213 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

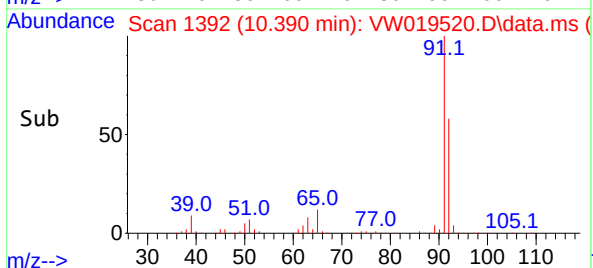
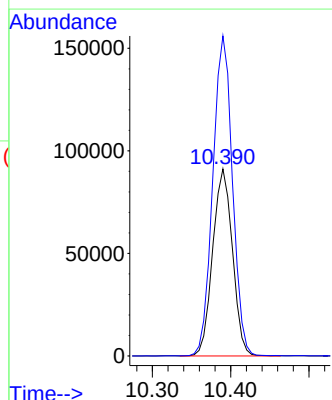
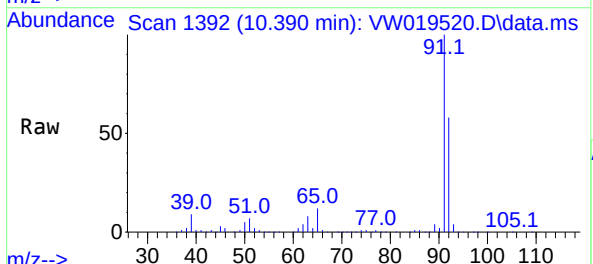
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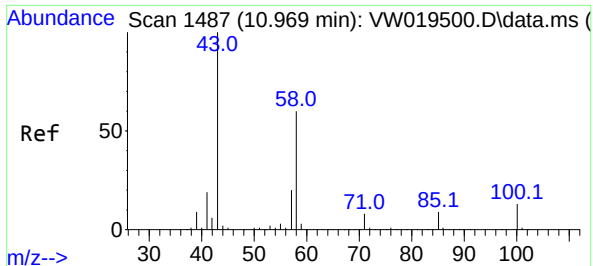
Tgt Ion: 43 Resp: 11897
Ion Ratio Lower Upper
43 100
58 42.9 33.4 50.0



#52
Toluene
Concen: 18.295 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion: 92 Resp: 159745
Ion Ratio Lower Upper
92 100
91 170.8 139.3 208.9

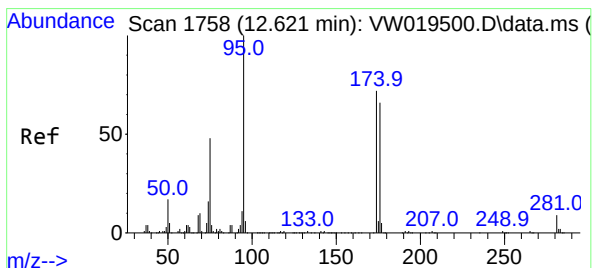
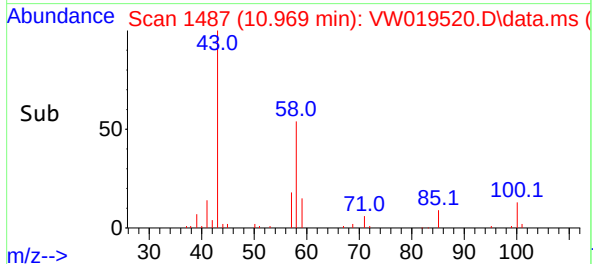
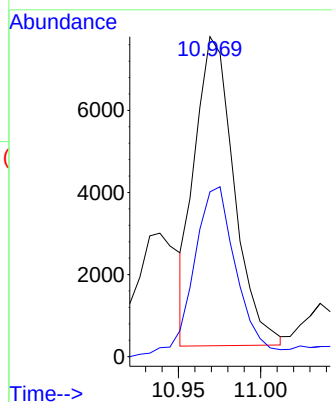
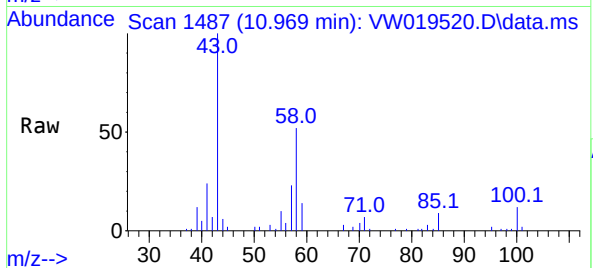




#59
2-Hexanone
Concen: 9.234 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

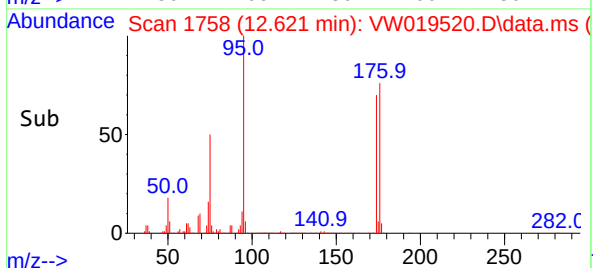
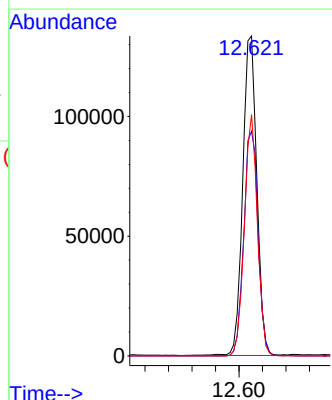
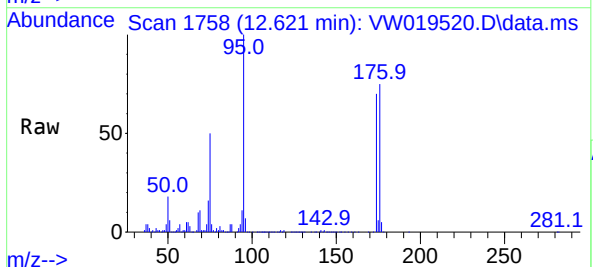
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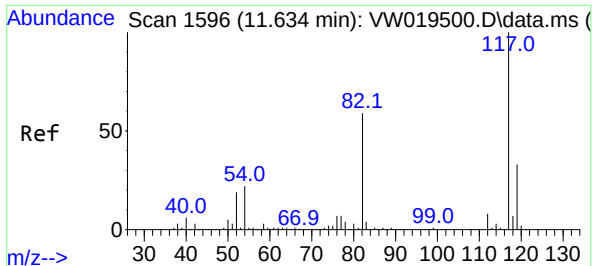
Tgt Ion: 43 Resp: 12443
Ion Ratio Lower Upper
43 100
58 59.9 29.3 87.8



#62
4-Bromofluorobenzene
Concen: 52.965 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion: 95 Resp: 221570
Ion Ratio Lower Upper
95 100
174 71.3 0.0 146.6
176 69.9 0.0 136.8

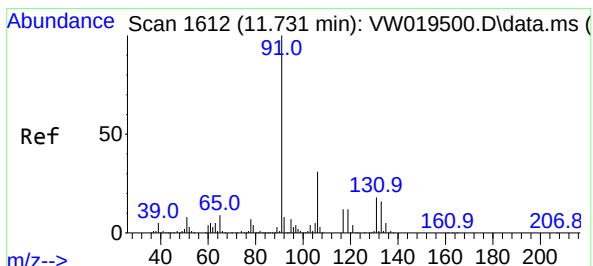
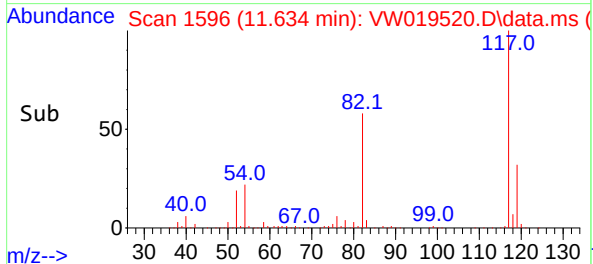
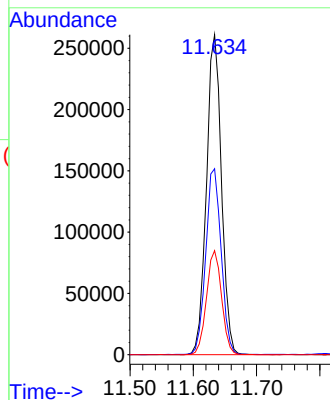
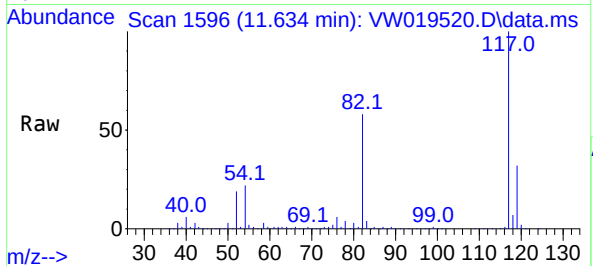




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

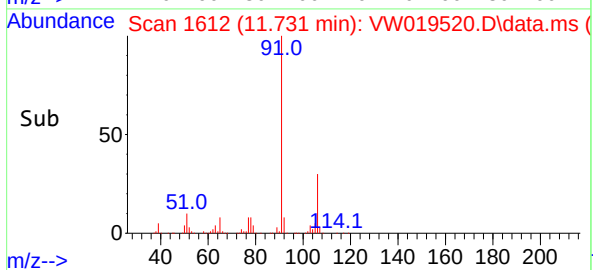
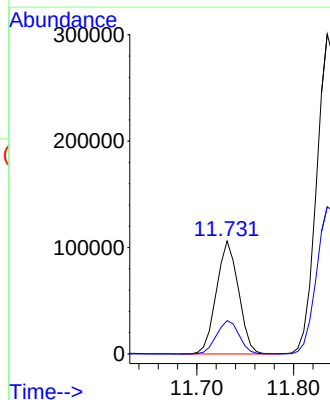
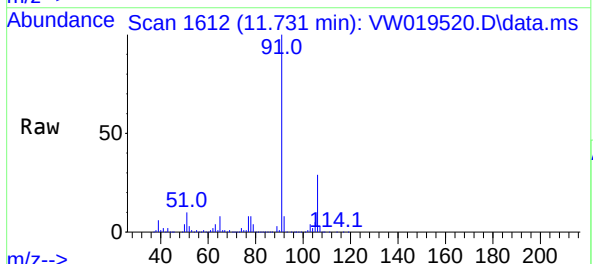
Instrument :
MSVOA_W
ClientSampled :
41260

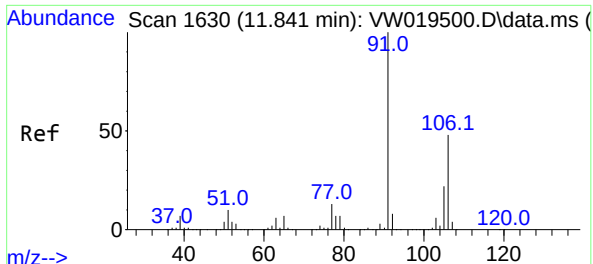
Tgt Ion:117 Resp: 431291
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.0
119 32.5 26.6 39.8



#67
Ethyl Benzene
Concen: 10.003 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion: 91 Resp: 167997
Ion Ratio Lower Upper
91 100
106 29.5 24.8 37.2

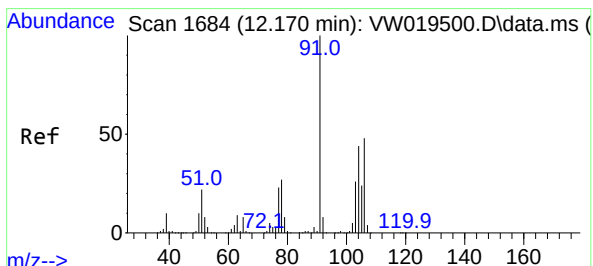
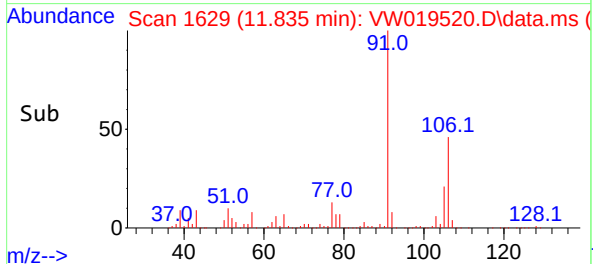
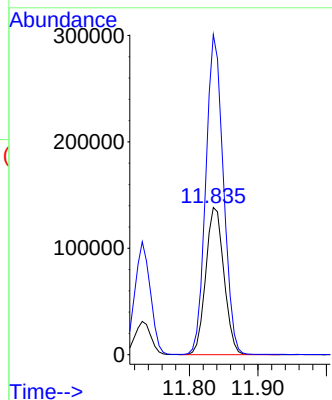
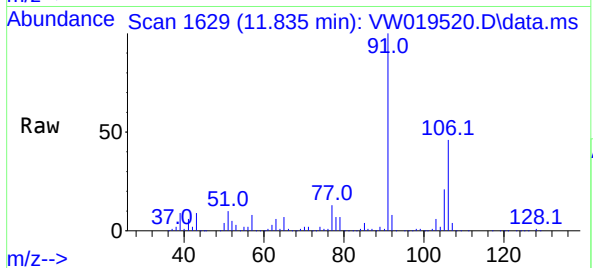




#68
m/p-Xylenes
Concen: 39.788 ug/l
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

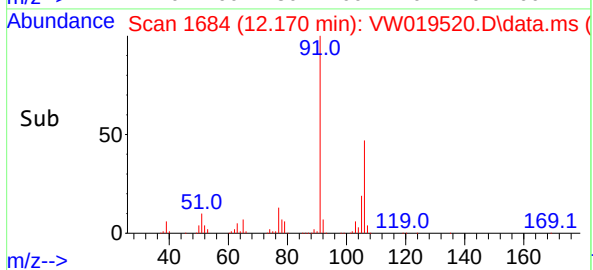
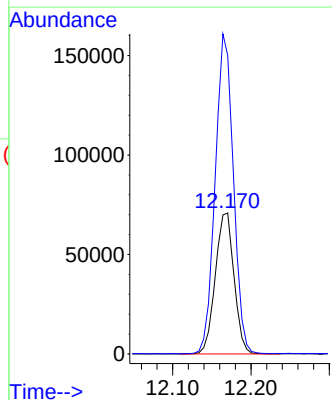
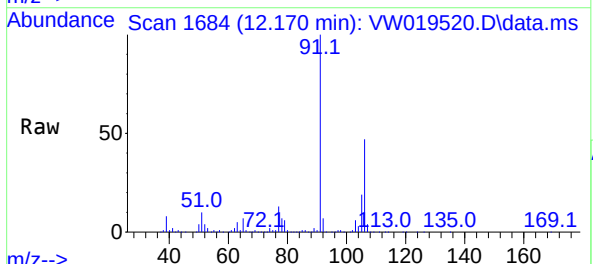
Instrument :
MSVOA_W
ClientSampleId :
41260

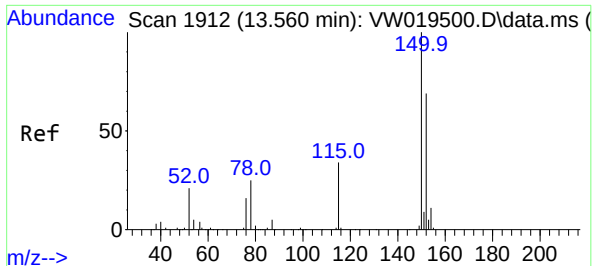
Tgt Ion:106 Resp: 255435
Ion Ratio Lower Upper
106 100
91 209.4 164.3 246.5



#69
o-Xylene
Concen: 19.635 ug/l
RT: 12.170 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion:106 Resp: 117847
Ion Ratio Lower Upper
106 100
91 220.3 106.5 319.6

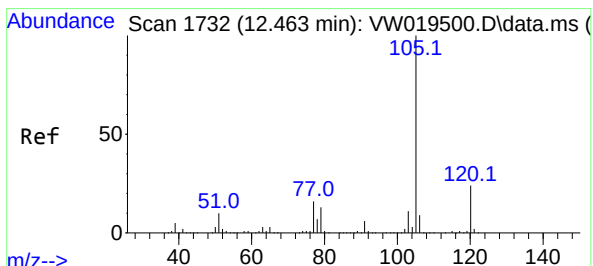
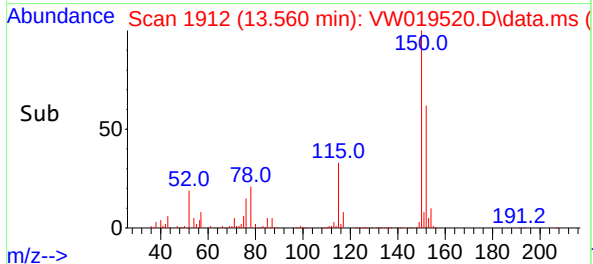
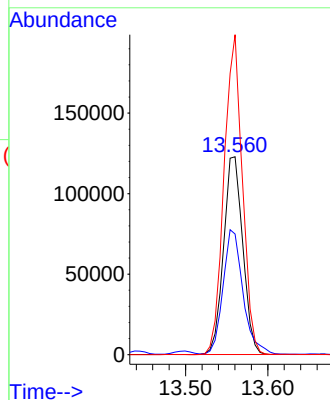
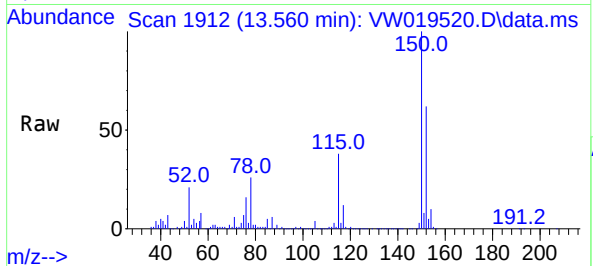




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

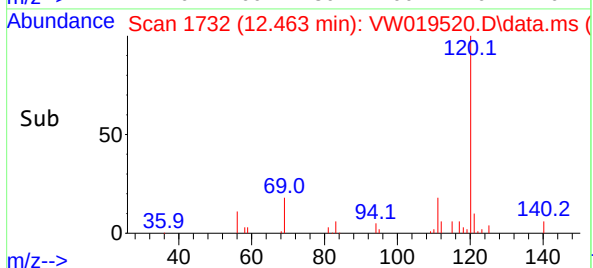
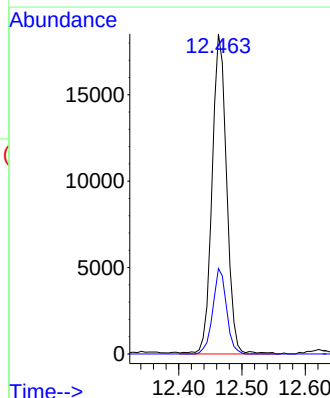
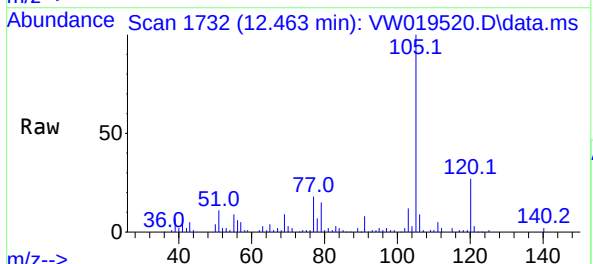
Instrument :
MSVOA_W
ClientSampled :
41260

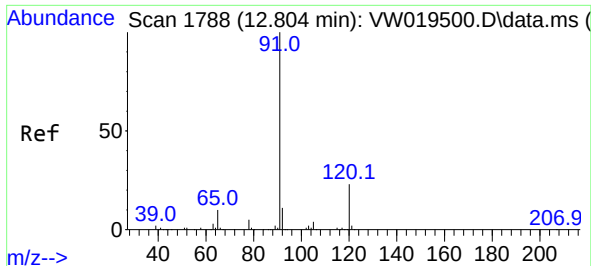
Tgt Ion:152 Resp: 200036
Ion Ratio Lower Upper
152 100
115 65.3 30.6 91.8
150 154.6 0.0 342.4



#73
Isopropylbenzene
Concen: 1.950 ug/l
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion:105 Resp: 29644
Ion Ratio Lower Upper
105 100
120 25.1 13.0 39.0

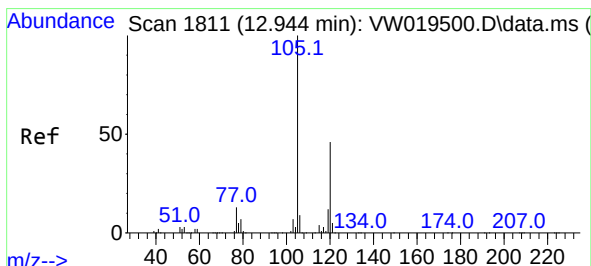
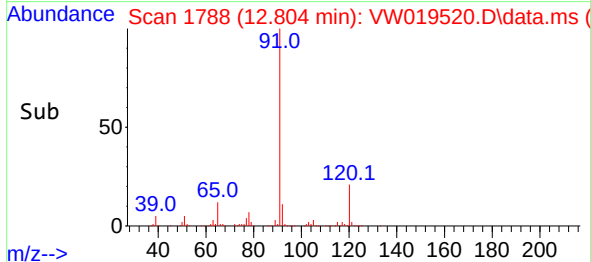
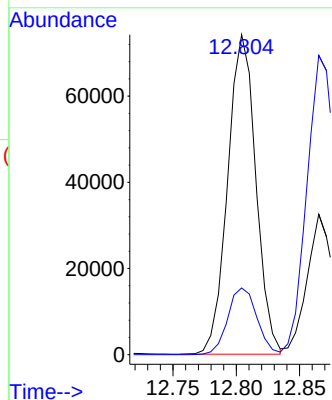
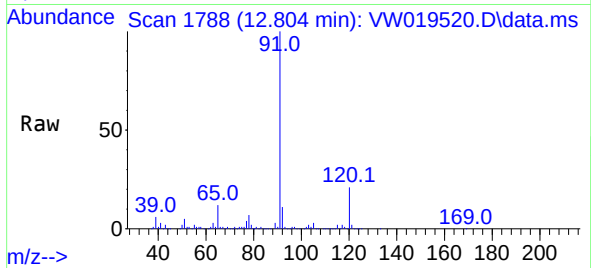




#78
n-propylbenzene
Concen: 6.052 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

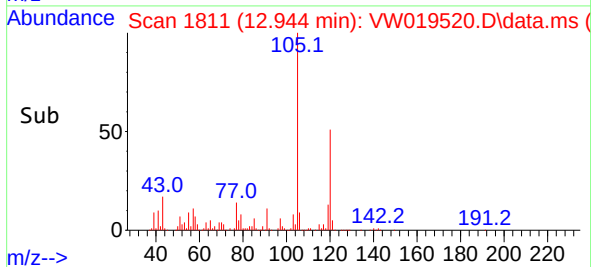
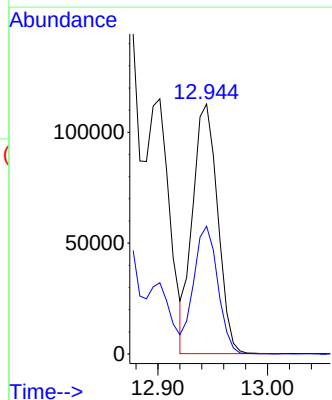
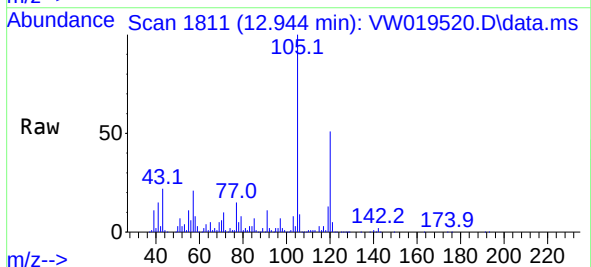
Instrument :
MSVOA_W
ClientSampleId :
41260

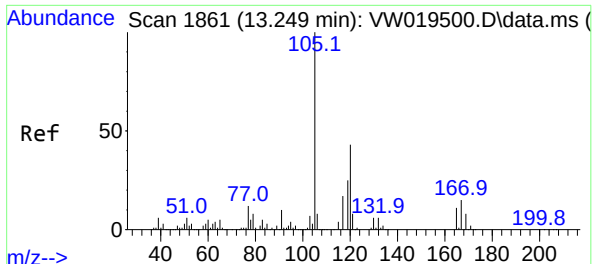
Tgt Ion: 91 Resp: 114998
Ion Ratio Lower Upper
91 100
120 21.6 11.2 33.6



#80
1,3,5-Trimethylbenzene
Concen: 13.750 ug/l
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion: 105 Resp: 178206
Ion Ratio Lower Upper
105 100
120 49.7 24.1 72.3

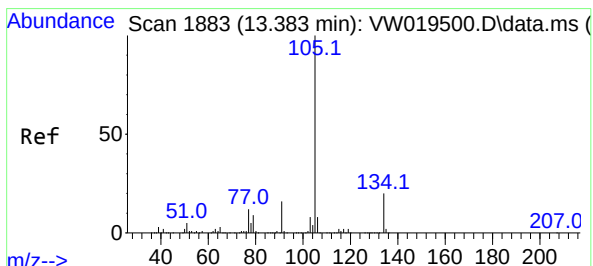
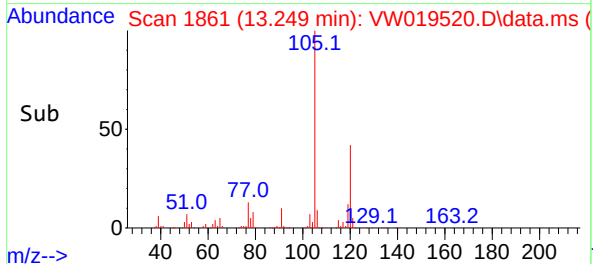
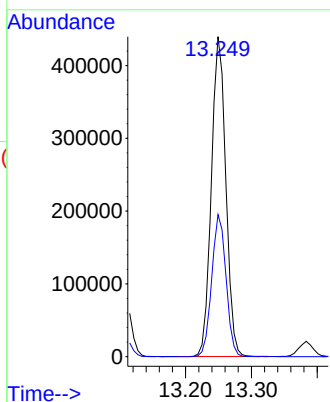
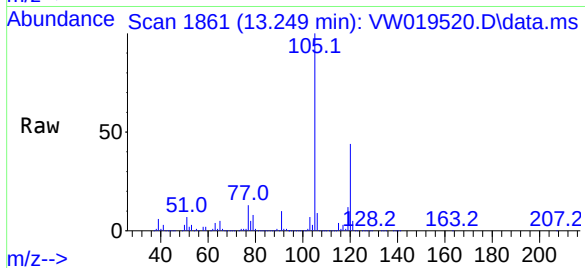




#84
1,2,4-Trimethylbenzene
Concen: 51.791 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

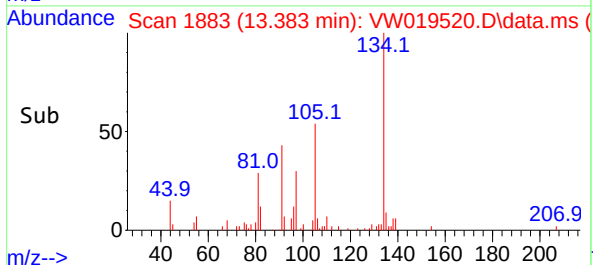
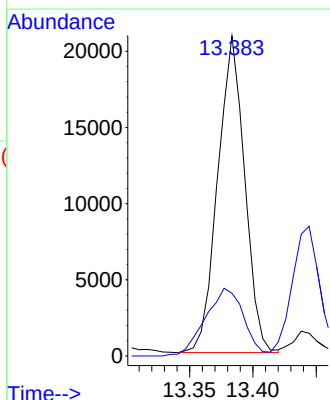
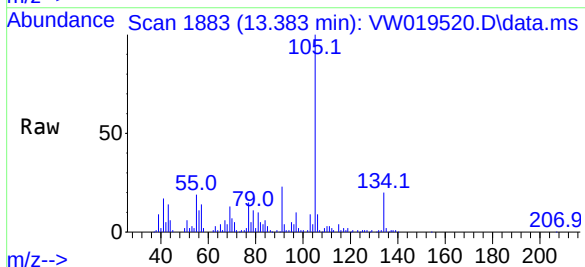
Instrument :
MSVOA_W
ClientSampled :
41260

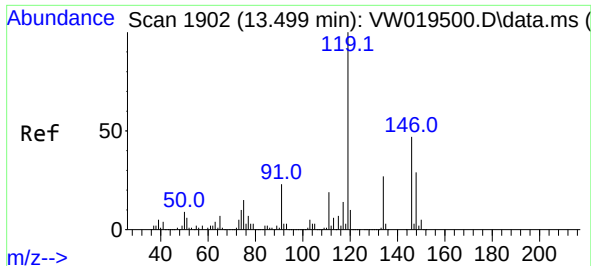
Tgt Ion:105 Resp: 671724
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.8



#85
sec-Butylbenzene
Concen: 1.820 ug/l
RT: 13.383 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion:105 Resp: 30764
Ion Ratio Lower Upper
105 100
134 30.4 9.8 29.4#

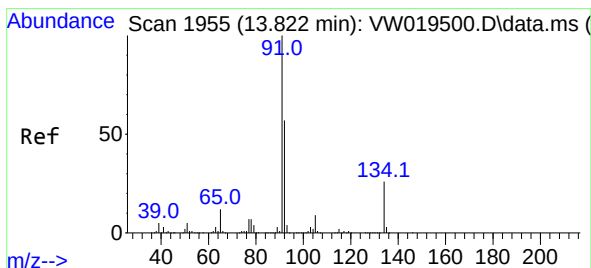
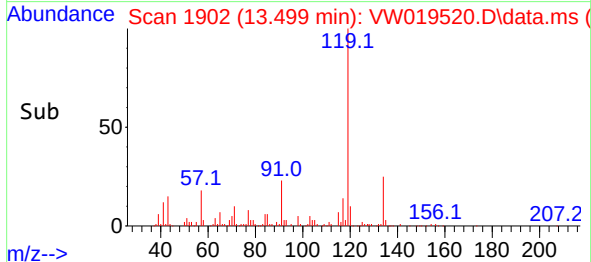
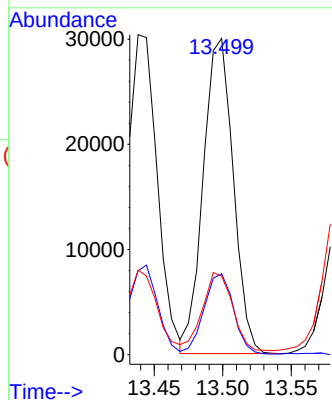
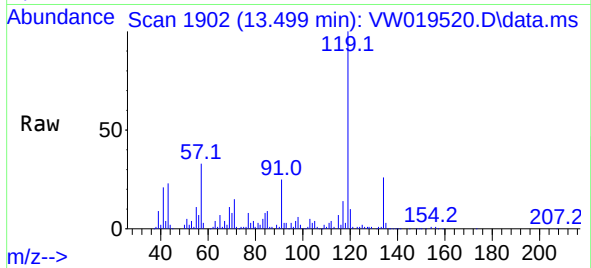




#86
p-Isopropyltoluene
Concen: 3.280 ug/l
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

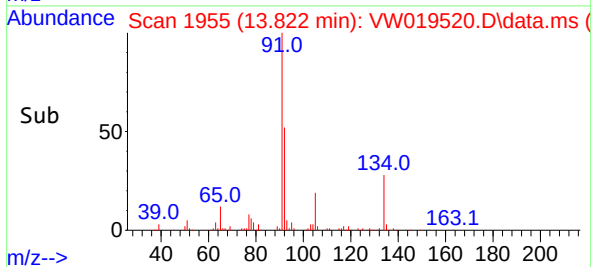
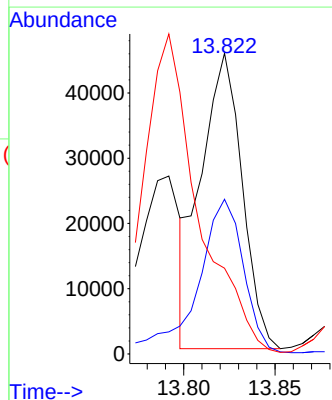
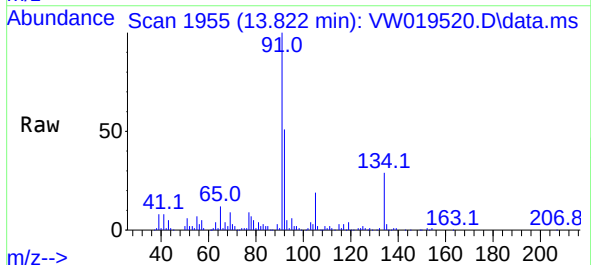
Instrument :
MSVOA_W
ClientSampled :
41260

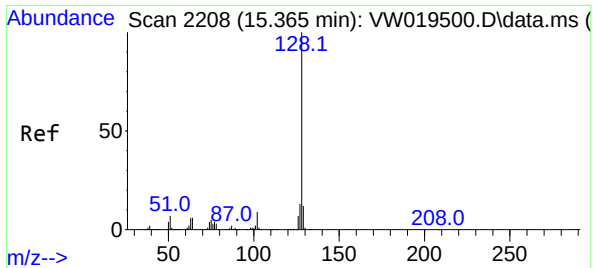
Tgt Ion:	119	Resp:	45681
Ion	Ratio	Lower	Upper
119	100		
134	25.1	13.1	39.1
91	24.6	12.1	36.3



#89
n-Butylbenzene
Concen: 5.192 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Tgt Ion:	91	Resp:	70784
Ion	Ratio	Lower	Upper
91	100		
92	56.9	27.7	83.1
134	0.0	12.7	38.1#





#95
Naphthalene
Concen: 25.869 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW019520.D
Acq: 20 Jul 2021 18:57

Instrument :
MSVOA_W
ClientSampleId :
41260

Tgt Ion:	128	Resp:	197253
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.2
129	14.5	8.8	13.2#

