

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092321\
 Data File : VY006124.D
 Acq On : 23 Sep 2021 15:10
 Operator : SY/MD
 Sample : M3872-01
 Misc : 5.07G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-LPA-01

Quant Time: Sep 24 07:29:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

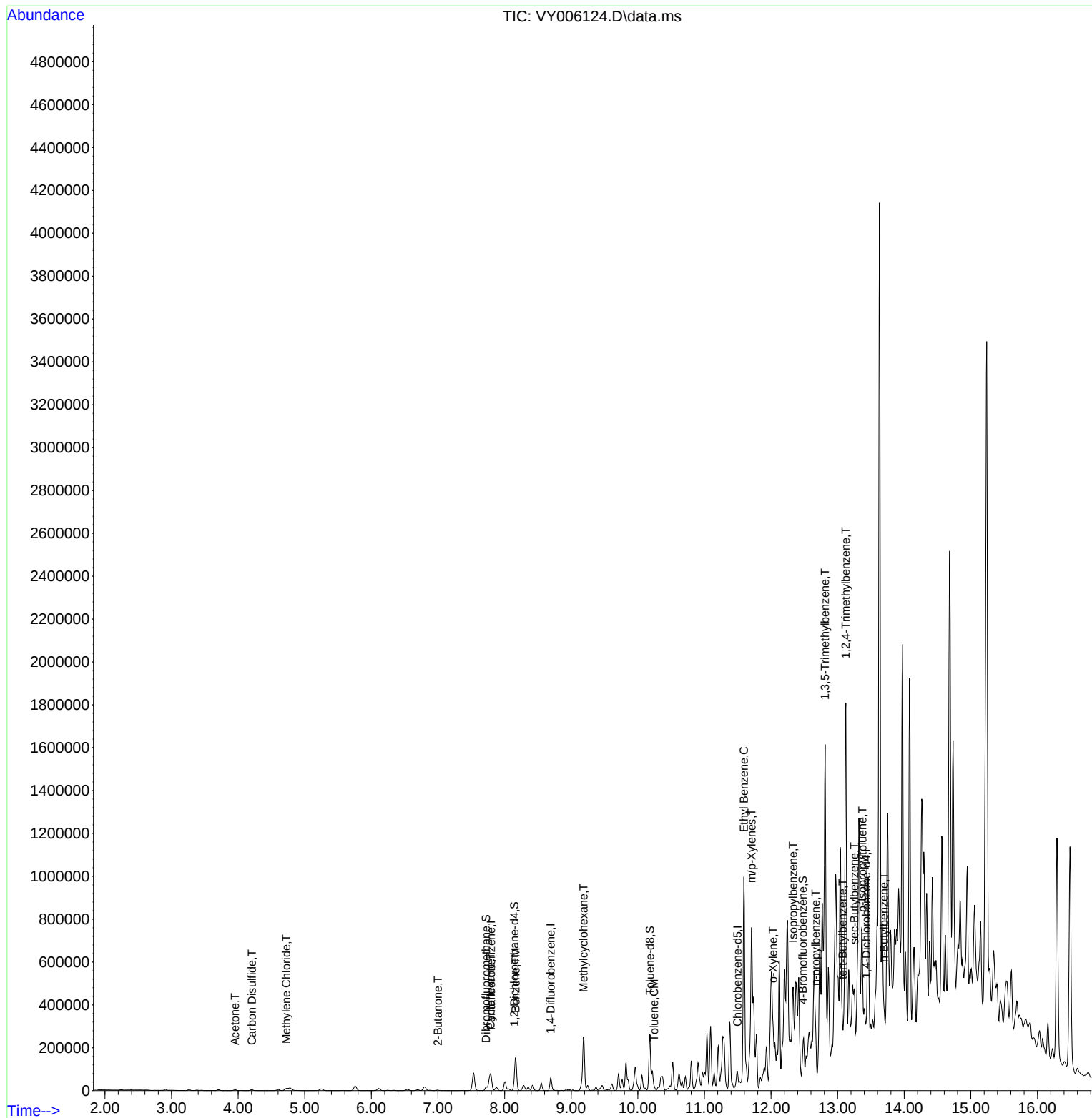
Internal Standards						
1) Pentafluorobenzene	7.795	168	27391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	41076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	30493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	17560	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	13550	35.613	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	71.220%		
35) Dibromofluoromethane	7.722	113	11344	44.464	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.920%		
50) Toluene-d8	10.185	98	57809	53.164	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.320%		
62) 4-Bromofluorobenzene	12.477	95	28370	76.845	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	153.700%#		
Target Compounds					Qvalue	
16) Acetone	3.954	43	5580	53.470	ug/l	96
17) Carbon Disulfide	4.204	76	8893	9.736	ug/l	99
20) Methylene Chloride	4.722	84	5307	12.845	ug/l	93
25) 2-Butanone	6.996	43	1966	13.669	ug/l	# 82
31) Cyclohexane	7.789	56	25804	42.337	ug/l	91
39) Methylcyclohexane	9.185	83	96601	175.799	ug/l	99
40) Benzene	8.167	78	145017	114.064	ug/l	98
52) Toluene	10.246	92	5348	6.826	ug/l	88
67) Ethyl Benzene	11.593	91	629474	507.552	ug/l	100
68) m/p-Xylenes	11.709	106	183659	390.534	ug/l	99
69) o-Xylene	12.032	106	28860	64.975	ug/l	92
73) Isopropylbenzene	12.331	105	184560	134.218	ug/l	99
78) n-propylbenzene	12.672	91	128835	75.726	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	366195	321.106	ug/l	99
83) tert-Butylbenzene	13.074	119	11360	11.647	ug/l	88
84) 1,2,4-Trimethylbenzene	13.123	105	781762	690.953	ug/l	98
85) sec-Butylbenzene	13.251	105	47245	32.357	ug/l	# 64
86) p-Isopropyltoluene	13.373	119	75086	60.235	ug/l	96
89) n-Butylbenzene	13.696	91	46457	39.854	ug/l	# 67

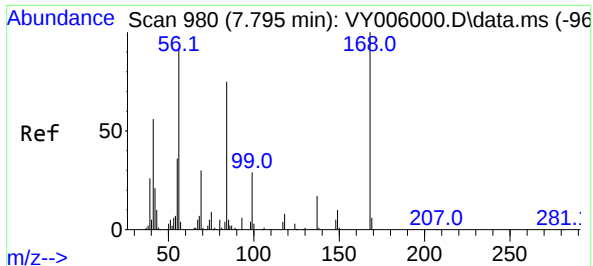
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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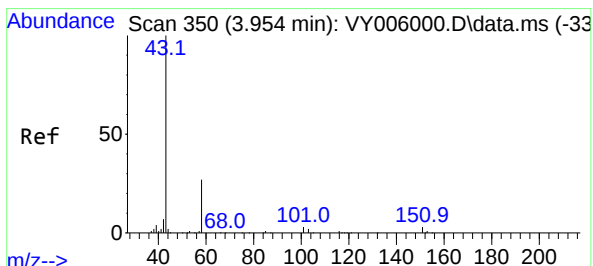
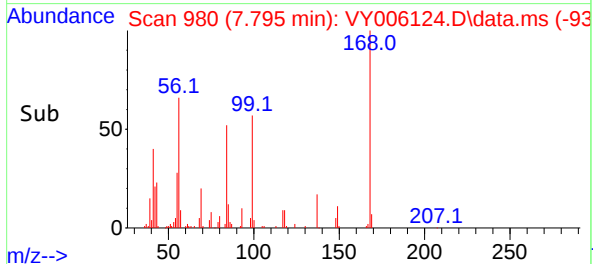
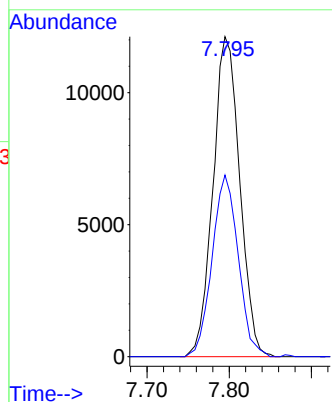
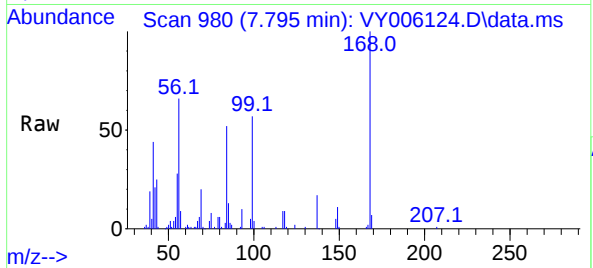




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

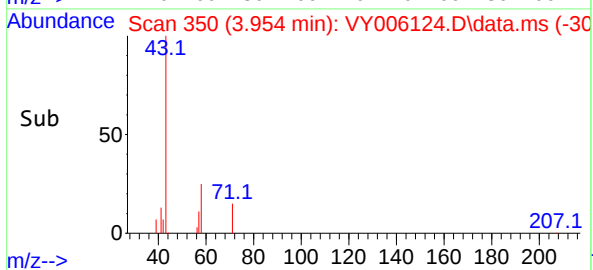
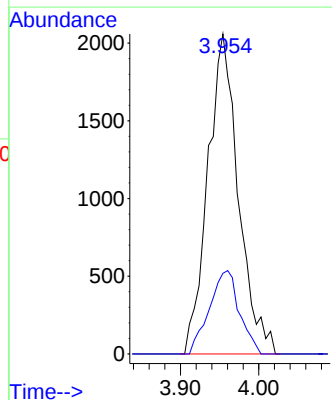
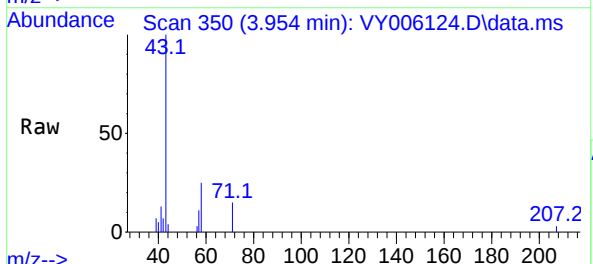
Instrument :
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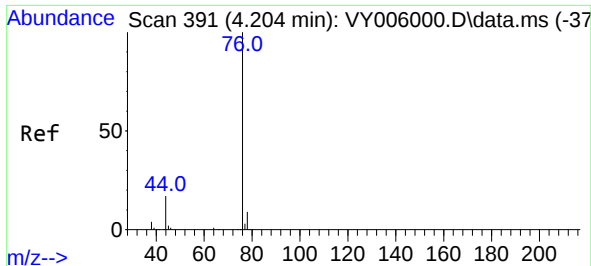
Tgt Ion:168 Resp: 27391
Ion Ratio Lower Upper
168 100
99 56.7 46.9 70.3



#16
Acetone
Concen: 53.470 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion: 43 Resp: 5580
Ion Ratio Lower Upper
43 100
58 25.2 22.0 33.0

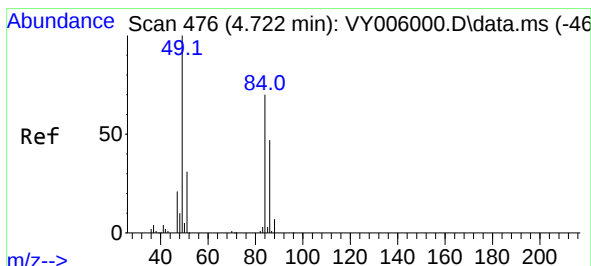
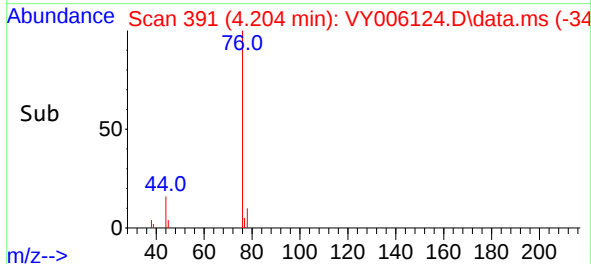
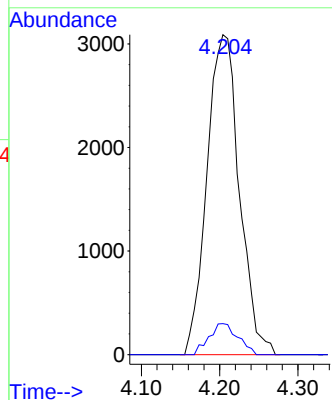
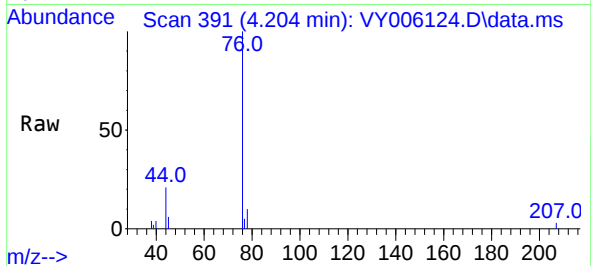




#17
Carbon Disulfide
Concen: 9.736 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

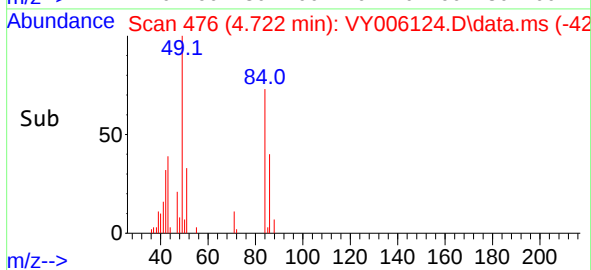
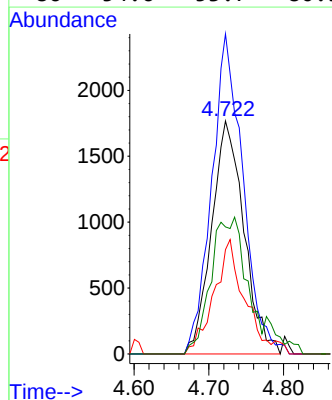
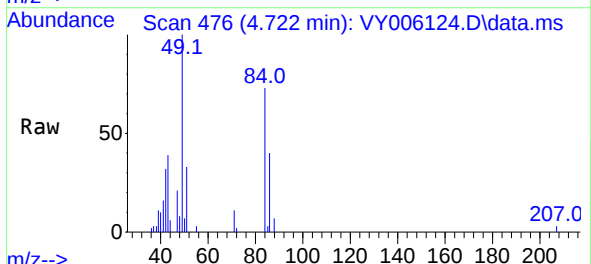
Instrument :
MSVOA_Y
ClientSampleId :
SP-LPA-01

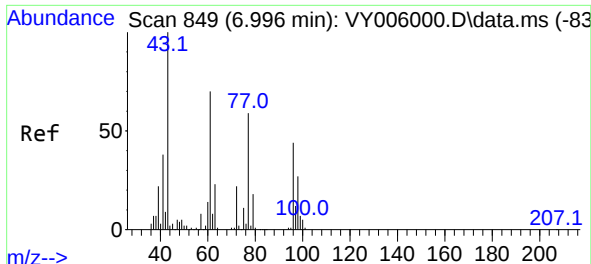
Tgt Ion: 76 Resp: 8893
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#20
Methylene Chloride
Concen: 12.845 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion: 84 Resp: 5307
Ion Ratio Lower Upper
84 100
49 137.4 114.4 171.6
51 44.8 35.3 52.9
86 54.6 53.7 80.5

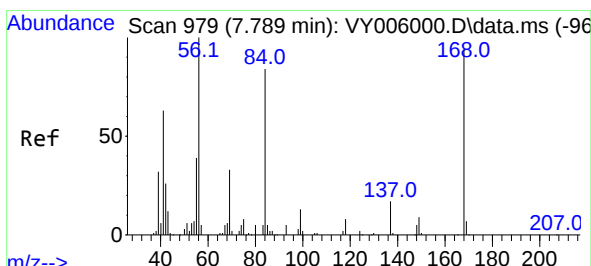
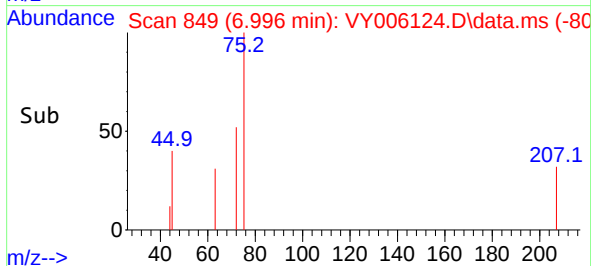
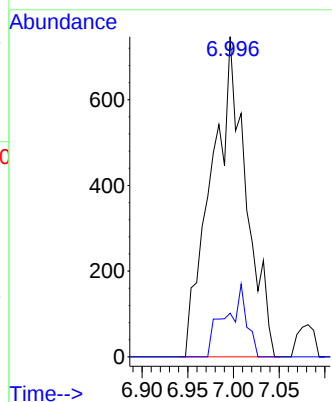
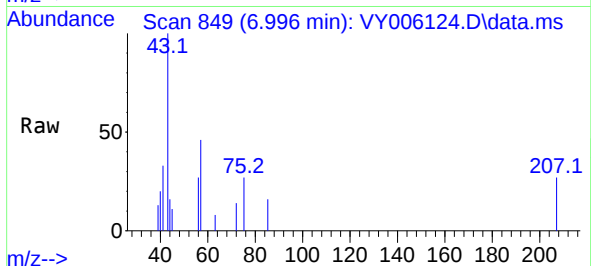




#25
2-Butanone
Concen: 13.669 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

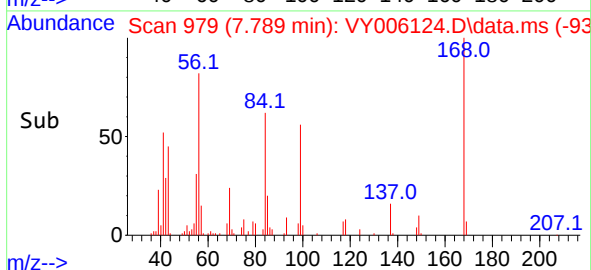
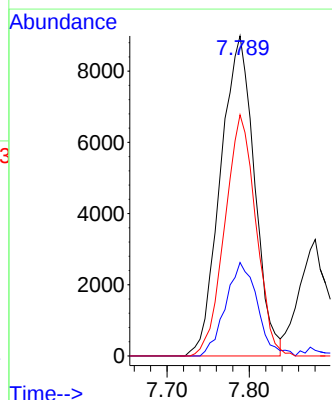
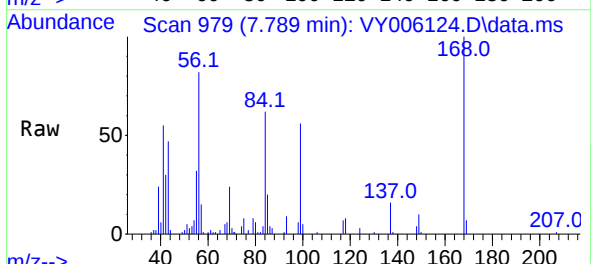
Instrument :
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ClientSampleId :
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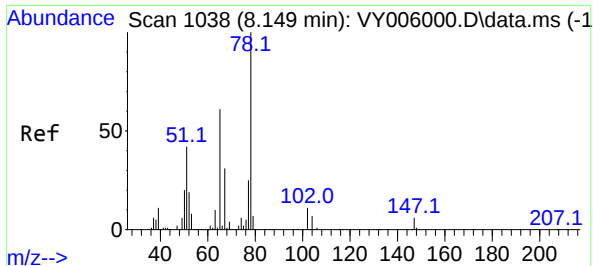
Tgt Ion: 43 Resp: 1966
Ion Ratio Lower Upper
43 100
72 13.7 17.7 26.5#



#31
Cyclohexane
Concen: 42.337 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion: 56 Resp: 25804
Ion Ratio Lower Upper
56 100
69 29.2 26.7 40.1
84 75.4 67.2 100.8

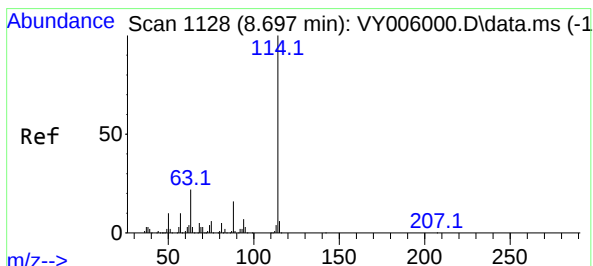
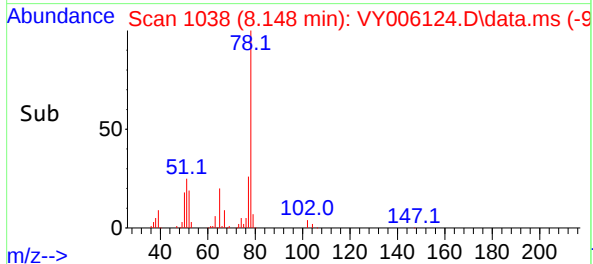
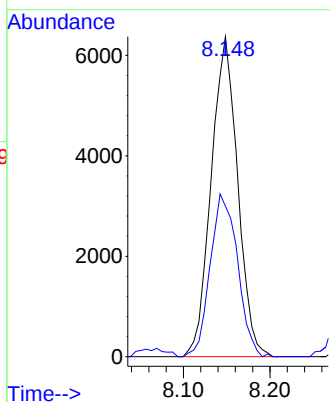
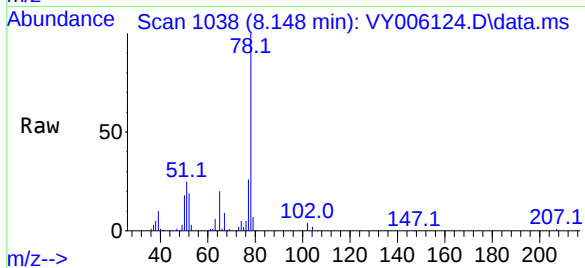




#33
1,2-Dichloroethane-d4
Concen: 35.613 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

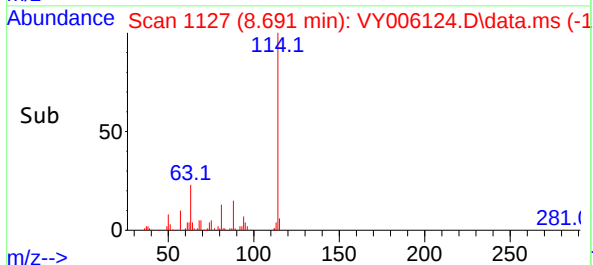
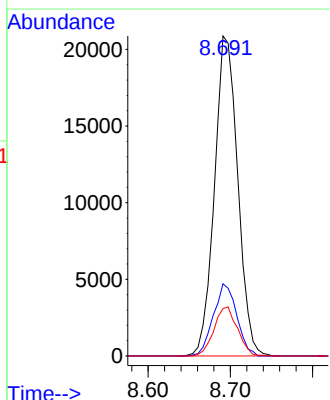
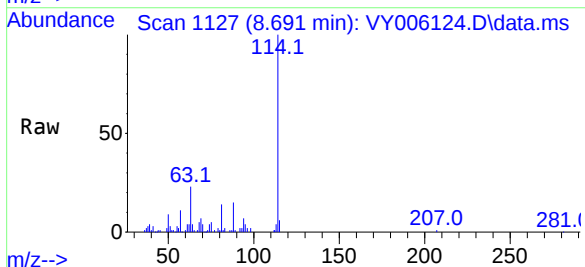
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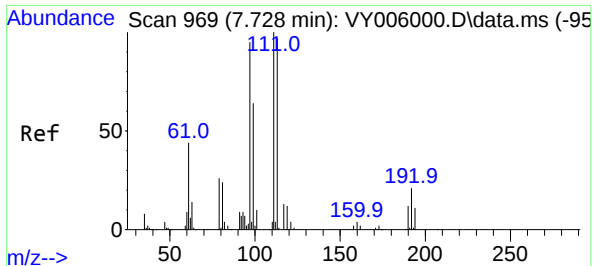
Tgt Ion: 65 Resp: 13550
Ion Ratio Lower Upper
65 100
67 52.4 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion: 114 Resp: 41076
Ion Ratio Lower Upper
114 100
63 22.6 0.0 43.2
88 14.8 0.0 31.8

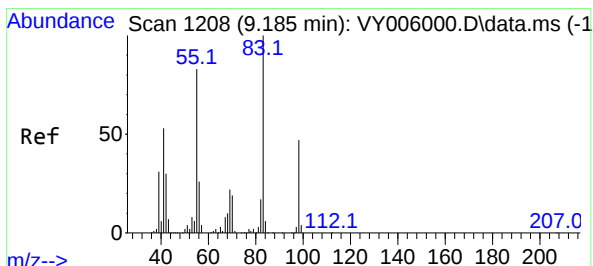
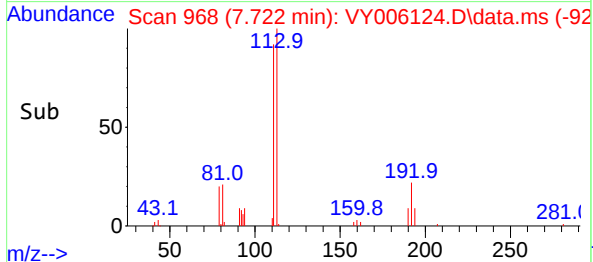
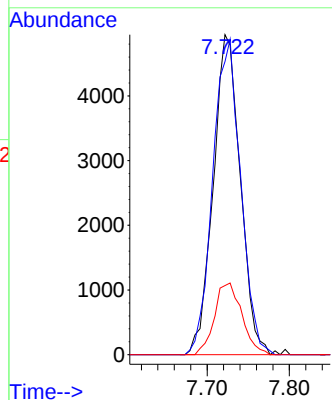
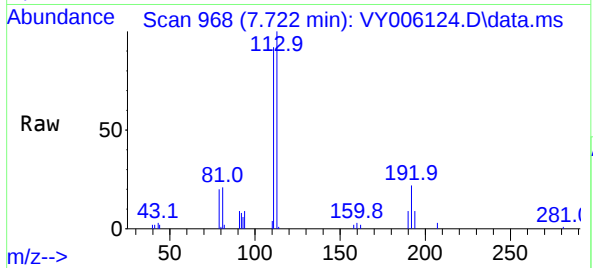




#35
Dibromofluoromethane
Concen: 44.464 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

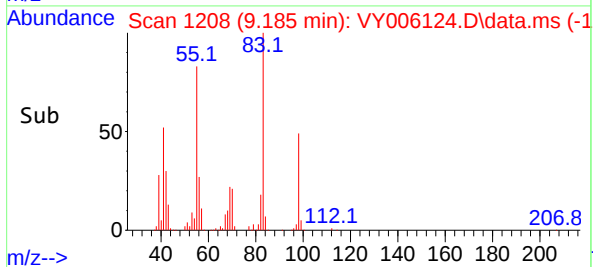
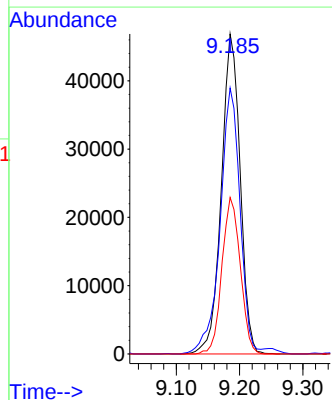
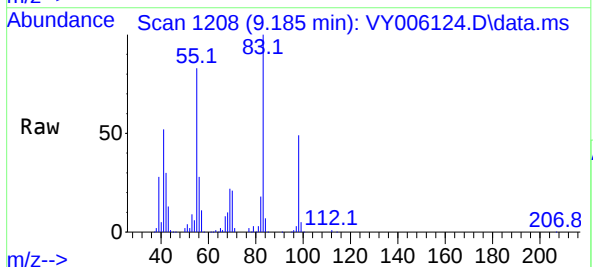
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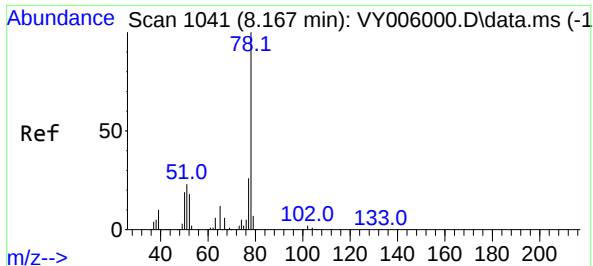
Tgt Ion:113 Resp: 11344
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 22.7 17.6 26.4



#39
Methylcyclohexane
Concen: 175.799 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion: 83 Resp: 96601
Ion Ratio Lower Upper
83 100
55 83.1 66.5 99.7
98 48.9 37.9 56.9

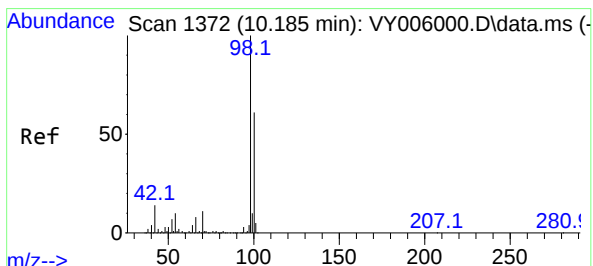
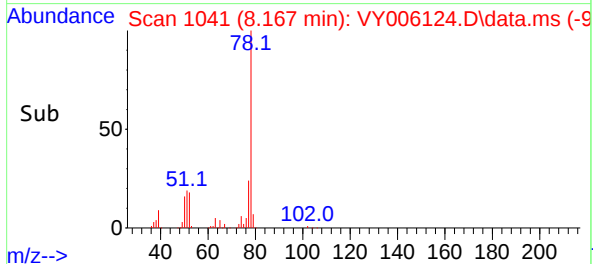
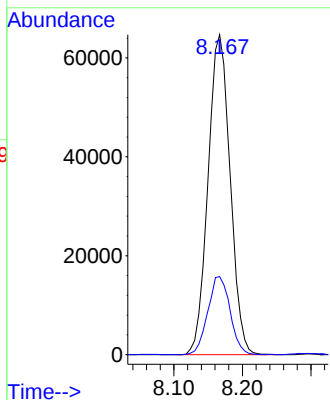
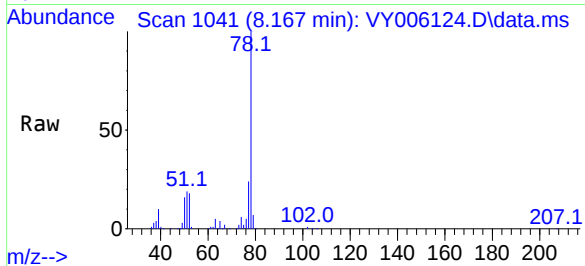




#40
Benzene
Concen: 114.064 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

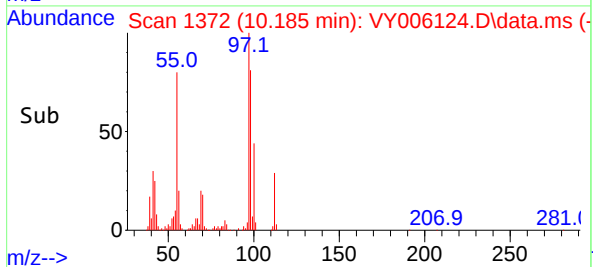
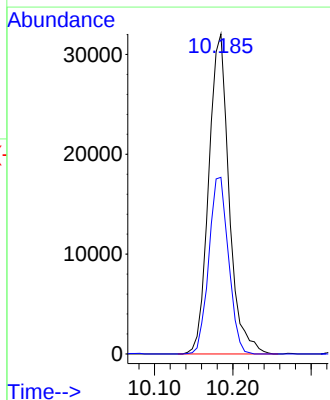
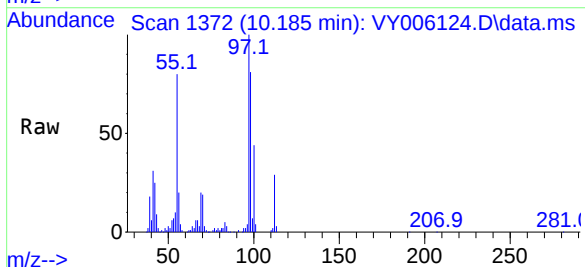
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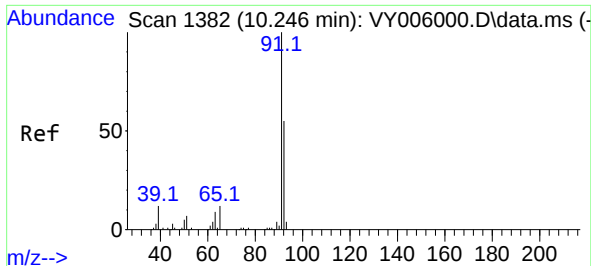
Tgt Ion: 78 Resp: 145017
Ion Ratio Lower Upper
78 100
77 24.4 20.4 30.6



#50
Toluene-d8
Concen: 53.164 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion: 98 Resp: 57809
Ion Ratio Lower Upper
98 100
100 53.3 50.2 75.2

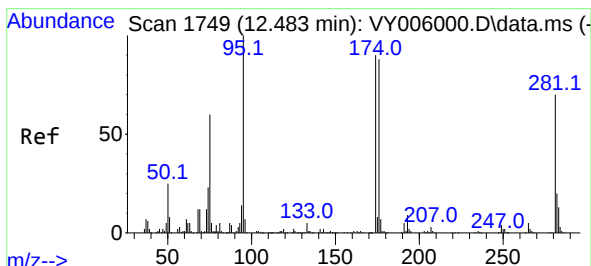
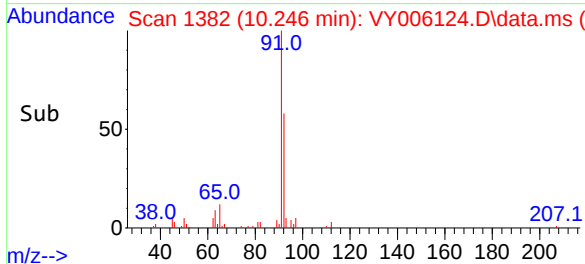
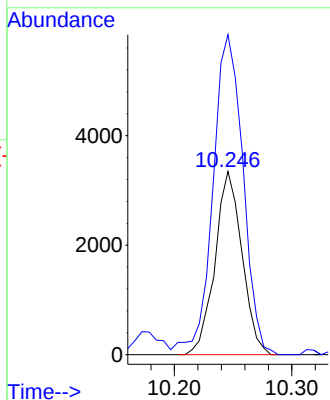
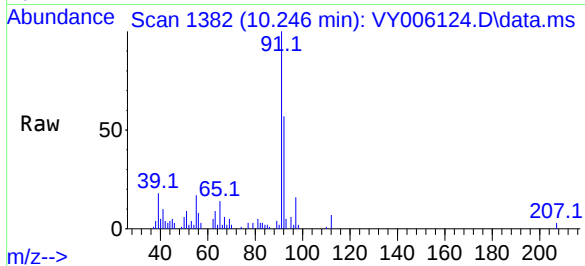




#52
Toluene
Concen: 6.826 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

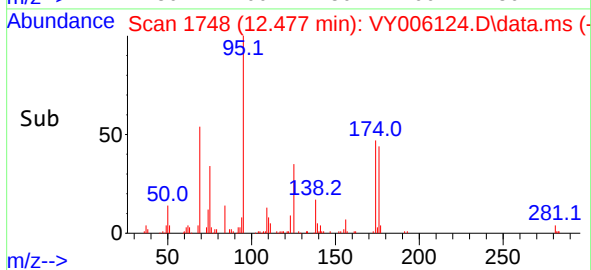
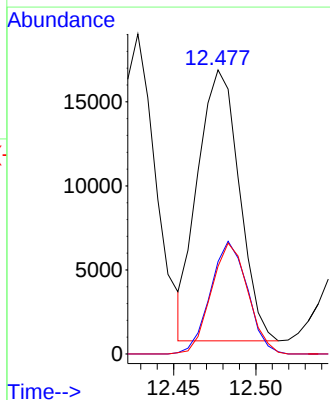
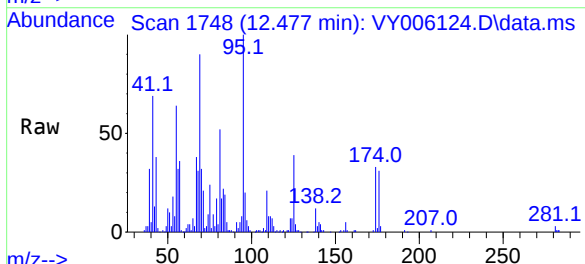
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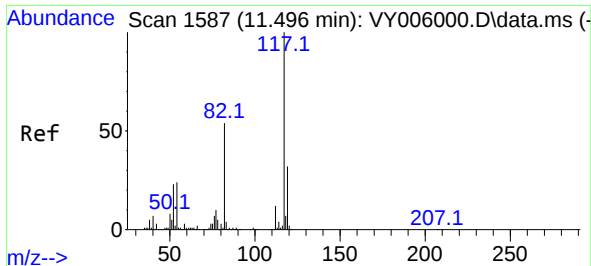
Tgt Ion: 92 Resp: 5348
Ion Ratio Lower Upper
92 100
91 194.5 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 76.845 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion: 95 Resp: 28370
Ion Ratio Lower Upper
95 100
174 36.9 0.0 177.0
176 36.0 0.0 175.8

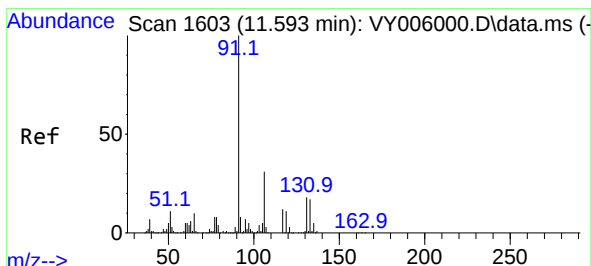
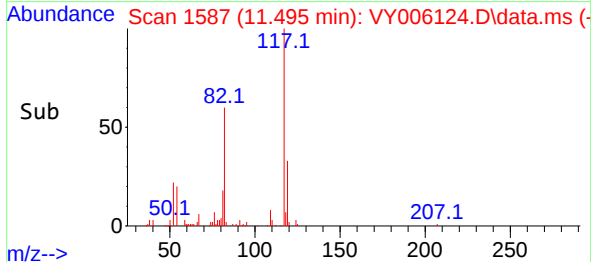
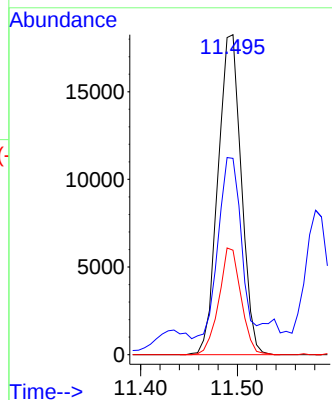
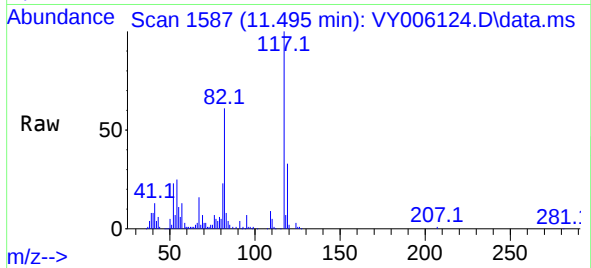




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

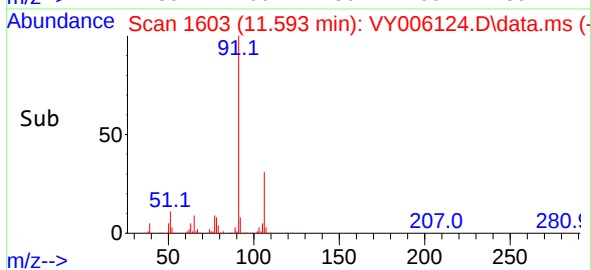
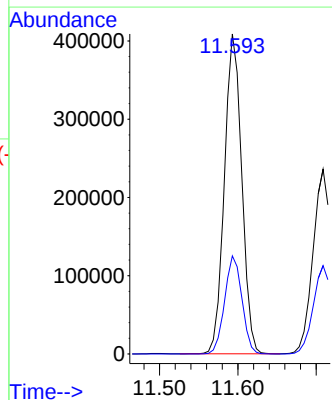
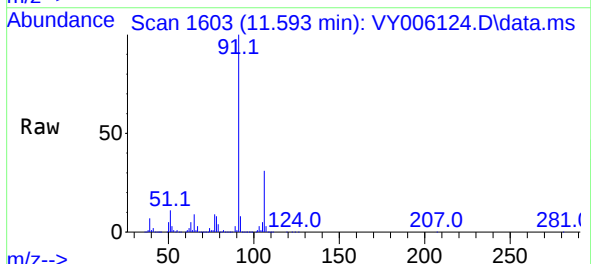
Instrument :
MSVOA_Y
ClientSampleId :
SP-LPA-01

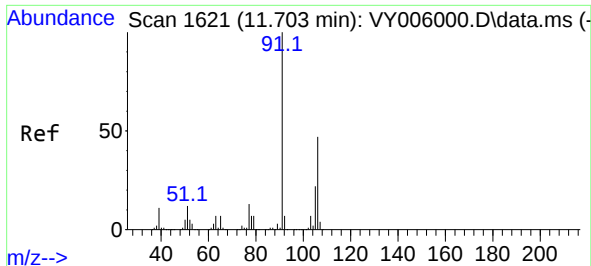
Tgt Ion:	117	Resp:	30493
Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.0	64.4
119	32.6	25.4	38.0



#67
Ethyl Benzene
Concen: 507.552 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion:	91	Resp:	629474
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.5	36.7

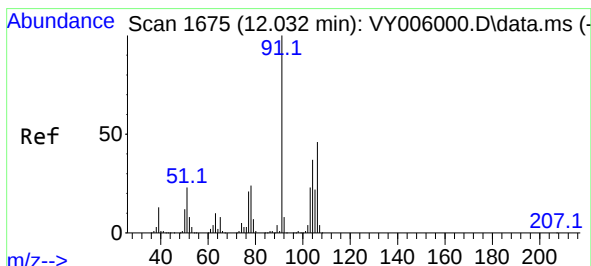
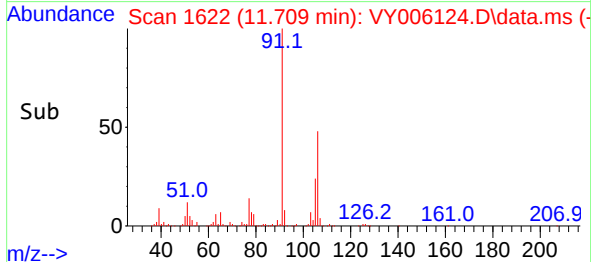
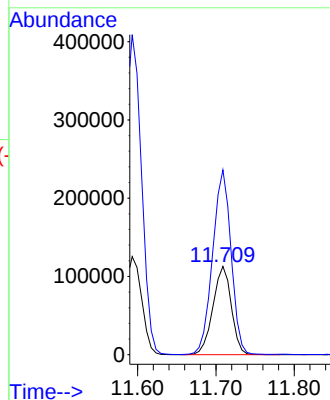
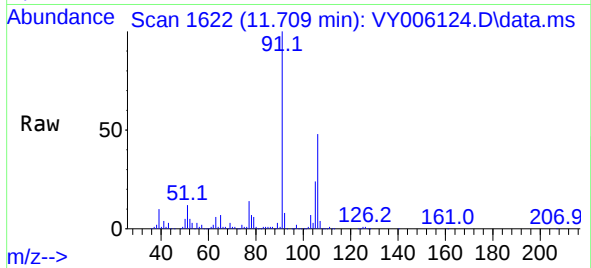




#68
m/p-Xylenes
Concen: 390.534 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

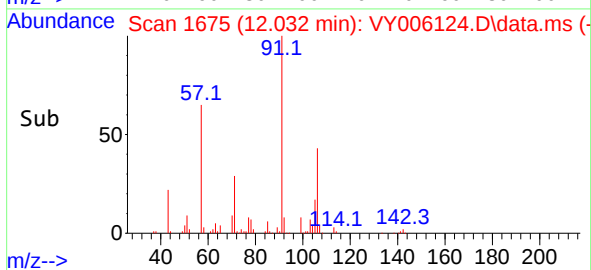
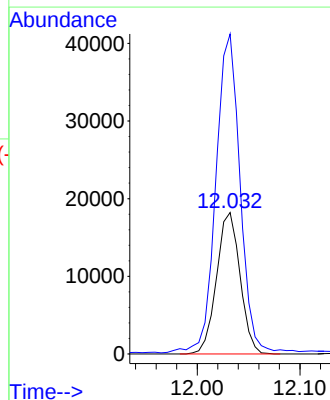
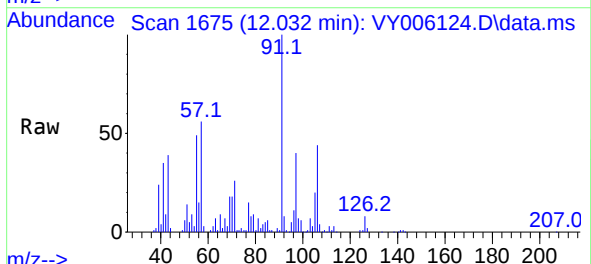
Instrument :
MSVOA_Y
ClientSampleId :
SP-LPA-01

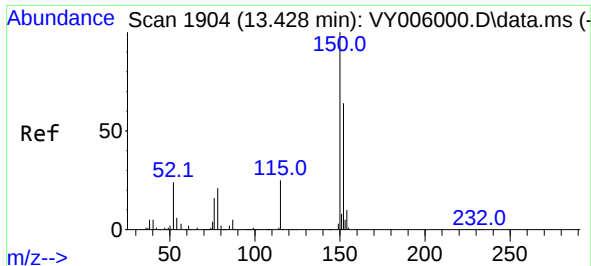
Tgt Ion:106 Resp: 183659
Ion Ratio Lower Upper
106 100
91 209.3 166.6 249.8



#69
o-Xylene
Concen: 64.975 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion:106 Resp: 28860
Ion Ratio Lower Upper
106 100
91 233.0 110.3 331.0

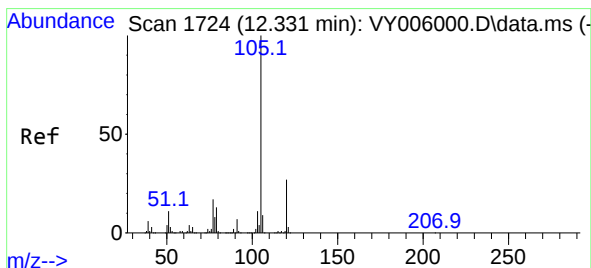
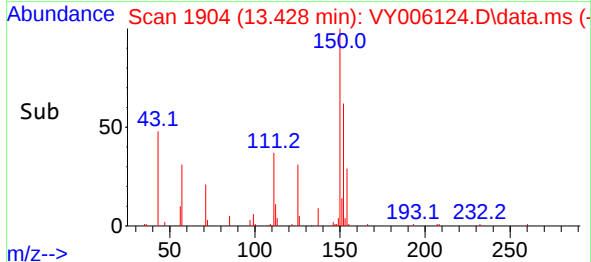
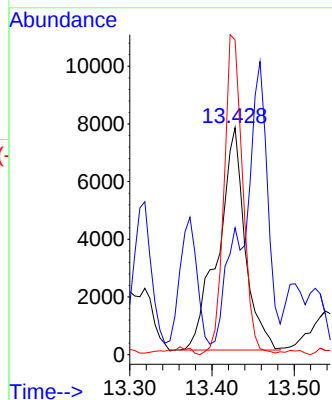
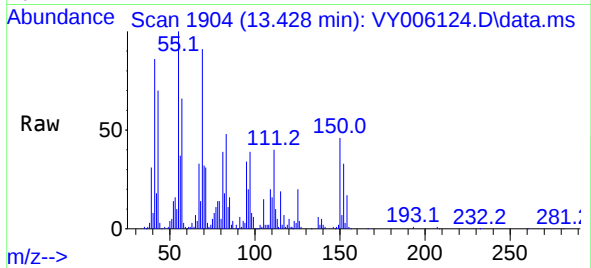




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

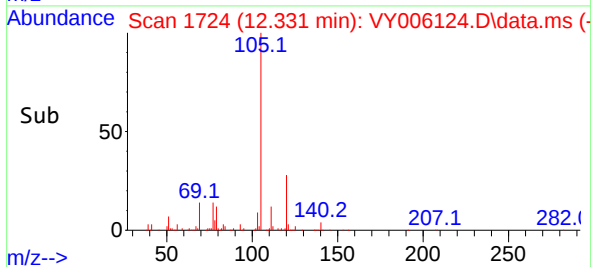
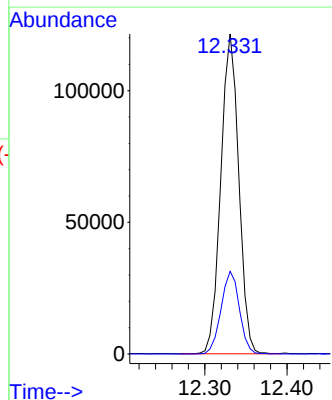
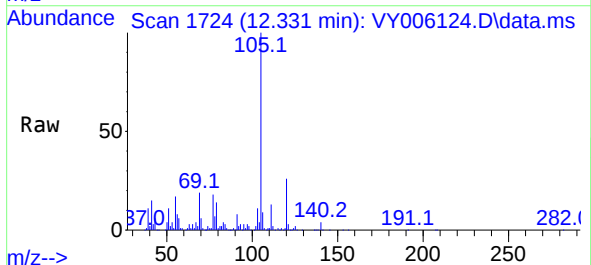
Instrument :
MSVOA_Y
ClientSampleId :
SP-LPA-01

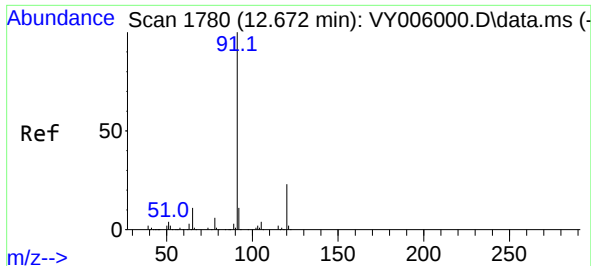
Tgt Ion:152 Resp: 17560
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 100.0 0.0 347.6



#73
Isopropylbenzene
Concen: 134.218 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion:105 Resp: 184560
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.2

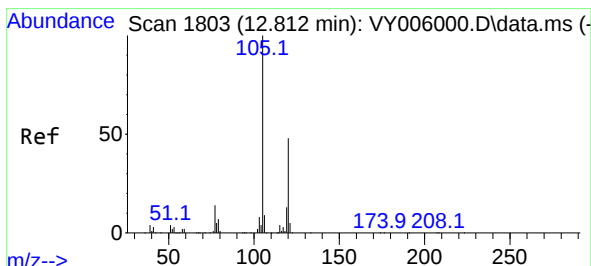
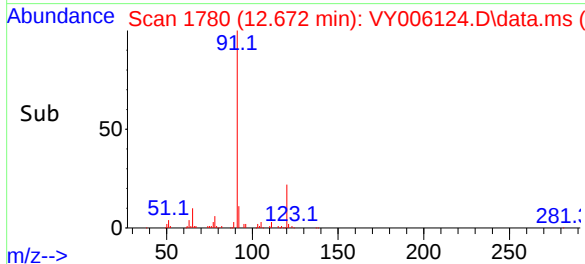
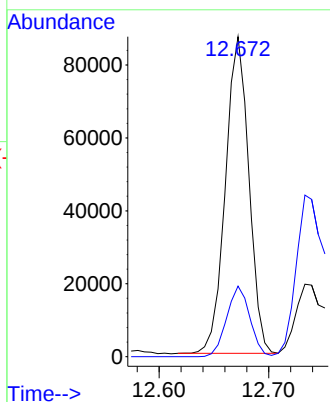
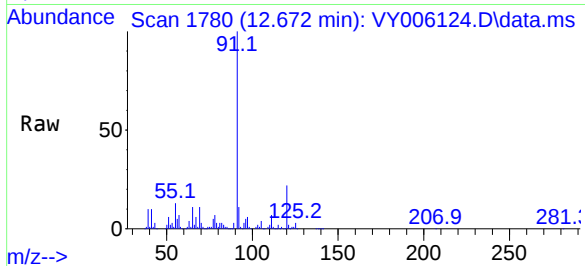




#78
n-propylbenzene
Concen: 75.726 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

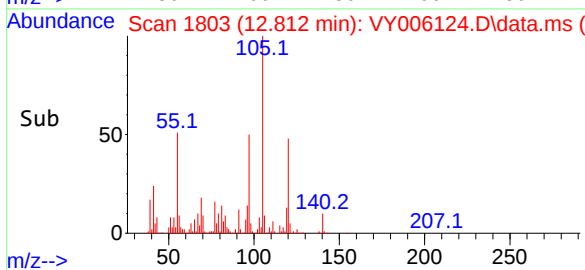
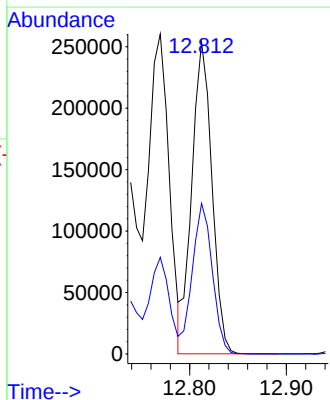
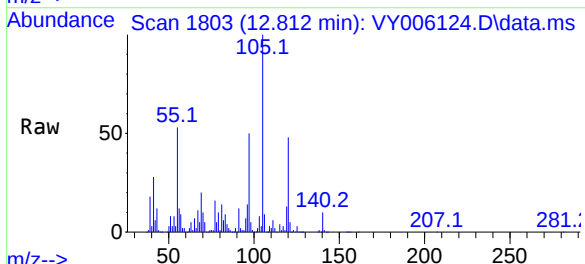
Instrument :
MSVOA_Y
ClientSampleId :
SP-LPA-01

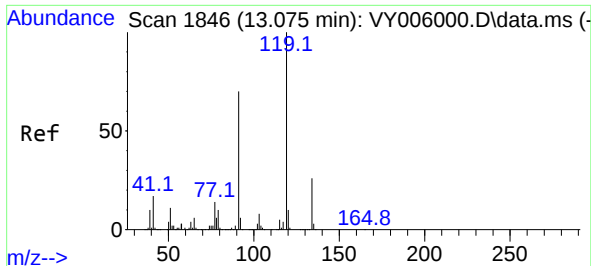
Tgt Ion: 91 Resp: 128835
Ion Ratio Lower Upper
91 100
120 22.0 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 321.106 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion: 105 Resp: 366195
Ion Ratio Lower Upper
105 100
120 48.1 24.4 73.4

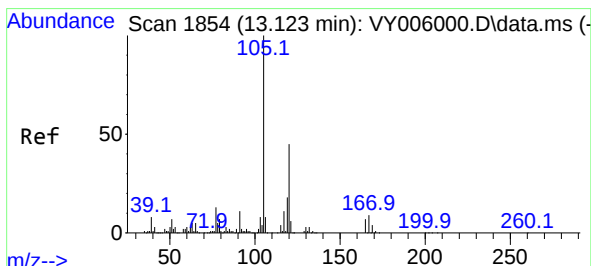
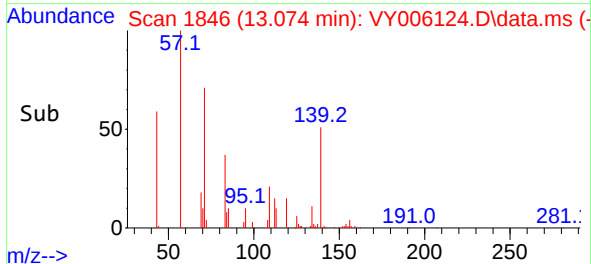
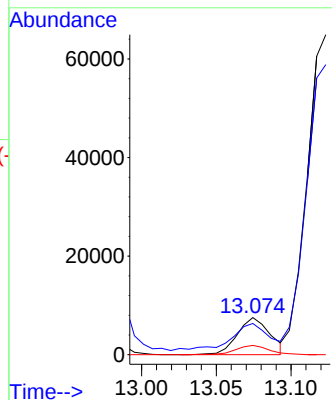
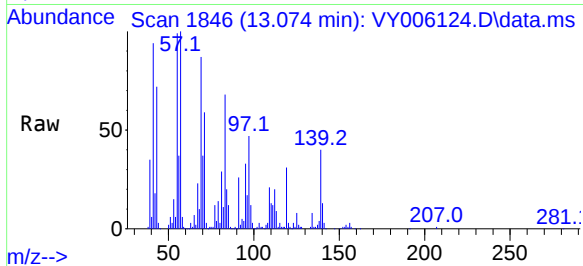




#83
tert-Butylbenzene
Concen: 11.647 ug/l
RT: 13.074 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

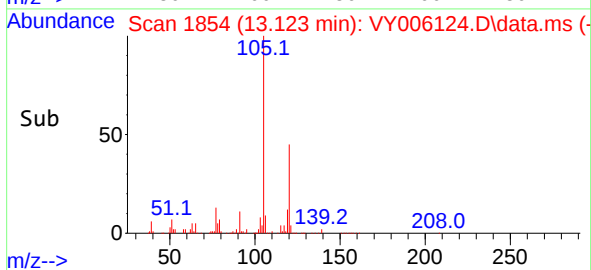
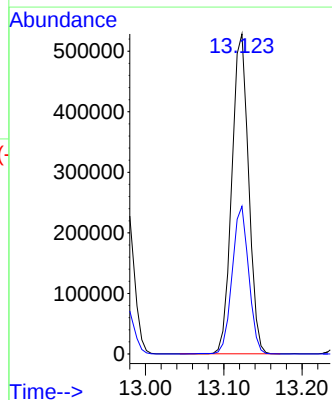
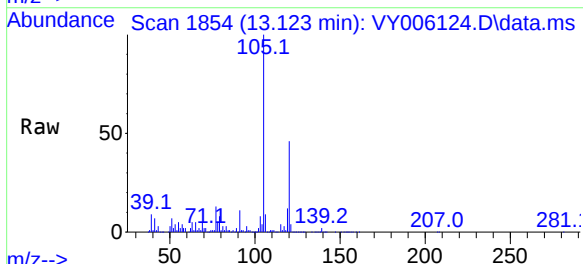
Instrument :
MSVOA_Y
ClientSampleId :
SP-LPA-01

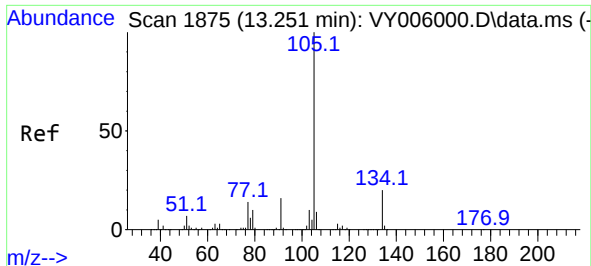
Tgt Ion:119 Resp: 11360
Ion Ratio Lower Upper
119 100
91 83.0 34.8 104.4
134 25.8 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 690.953 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Tgt Ion:105 Resp: 781762
Ion Ratio Lower Upper
105 100
120 45.7 22.3 66.9

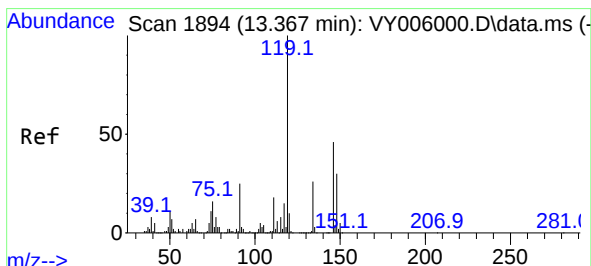
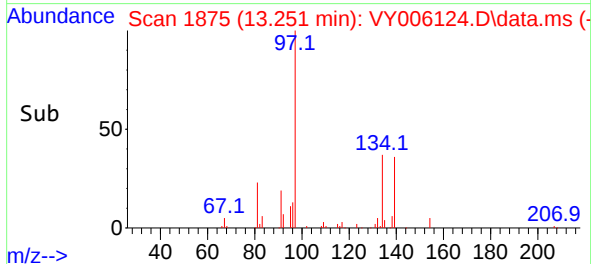
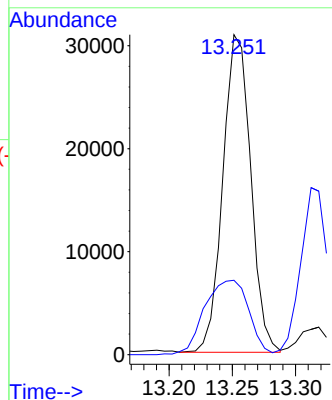
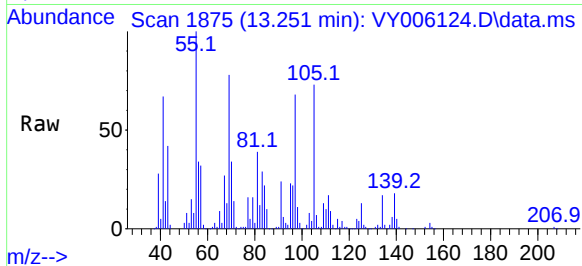




#85
 sec-Butylbenzene
 Concen: 32.357 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: VY006124.D
 Acq: 23 Sep 2021 15:10

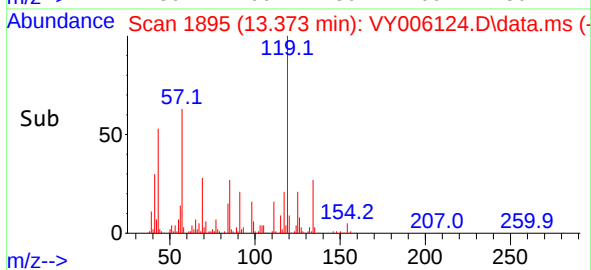
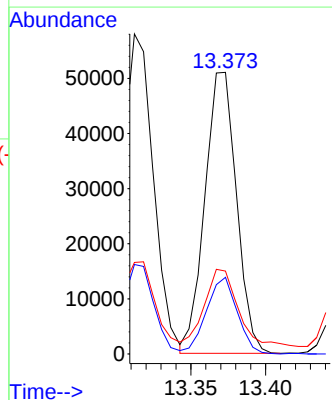
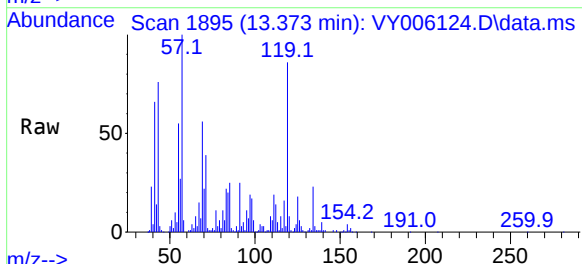
Instrument :
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 ClientSampleID :
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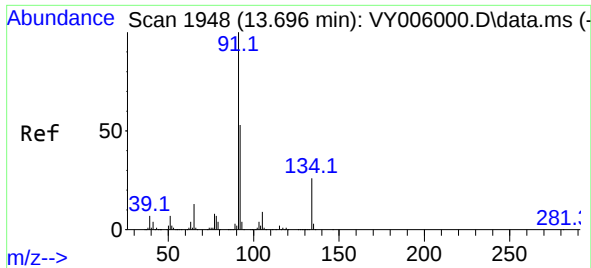
Tgt Ion:105 Resp: 47245
 Ion Ratio Lower Upper
 105 100
 134 37.0 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 60.235 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY006124.D
 Acq: 23 Sep 2021 15:10

Tgt Ion:119 Resp: 75086
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.5
 91 29.0 12.4 37.2





#89
n-Butylbenzene
Concen: 39.854 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY006124.D
Acq: 23 Sep 2021 15:10

Instrument :
MSVOA_Y
ClientSampleId :
SP-LPA-01

Tgt Ion: 91	Resp: 46457
Ion Ratio	Lower Upper
91	100
92	69.6 26.3 78.9
134	0.0 13.0 38.9#

