

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
 Data File : VY006021.D
 Acq On : 15 Sep 2021 12:31
 Operator : SY/MD
 Sample : M3733-02
 Misc : 7.21G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SUP-UST-01-(10-12)

Manual Integrations
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 9/16/2021 7:23:35 PM

Quant Time: Sep 16 01:22:19 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	114917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	204130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	204862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	306472	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83956	52.595	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.200%			
35) Dibromofluoromethane	7.728	113	62128	49.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.000%			
50) Toluene-d8	10.185	98	532696	98.578	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 197.160%#			
62) 4-Bromofluorobenzene	12.483	95	1386734	755.846	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 1511.700%#			
Target Compounds					Qvalue	
16) Acetone	3.954	43	26214	59.874	ug/l	92
17) Carbon Disulfide	4.204	76	18376	4.795	ug/l	100
18) Methyl Acetate	4.485	43	2789	2.529	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	80567	21.780	ug/l	# 1
25) 2-Butanone	6.996	43	8320	13.788	ug/l	# 88
31) Cyclohexane	7.783	56	156506	61.205	ug/l	# 75
39) Methylcyclohexane	9.191	83	1672087	612.314	ug/l	98
40) Benzene	8.167	78	6830	1.081	ug/l	95
67) Ethyl Benzene	11.599	91	1006601	120.809	ug/l	100
68) m/p-Xylenes	11.715	106	633859	200.622	ug/l	88
69) o-Xylene	12.032	106	126445	42.373	ug/l	# 2
73) Isopropylbenzene	12.343	105	6348588	264.536	ug/l	100
78) n-propylbenzene	12.678	91	17832235	600.551	ug/l	79
80) 1,3,5-Trimethylbenzene	12.819	105	21751273m	1092.835	ug/l	
83) tert-Butylbenzene	13.087	119	2928279	172.018	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	25866854m	1309.940	ug/l	
85) sec-Butylbenzene	13.264	105	12525363	491.515	ug/l	# 53
86) p-Isopropyltoluene	13.379	119	9909856	455.506	ug/l	95
89) n-Butylbenzene	13.703	91	5736506	281.969	ug/l	# 73

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

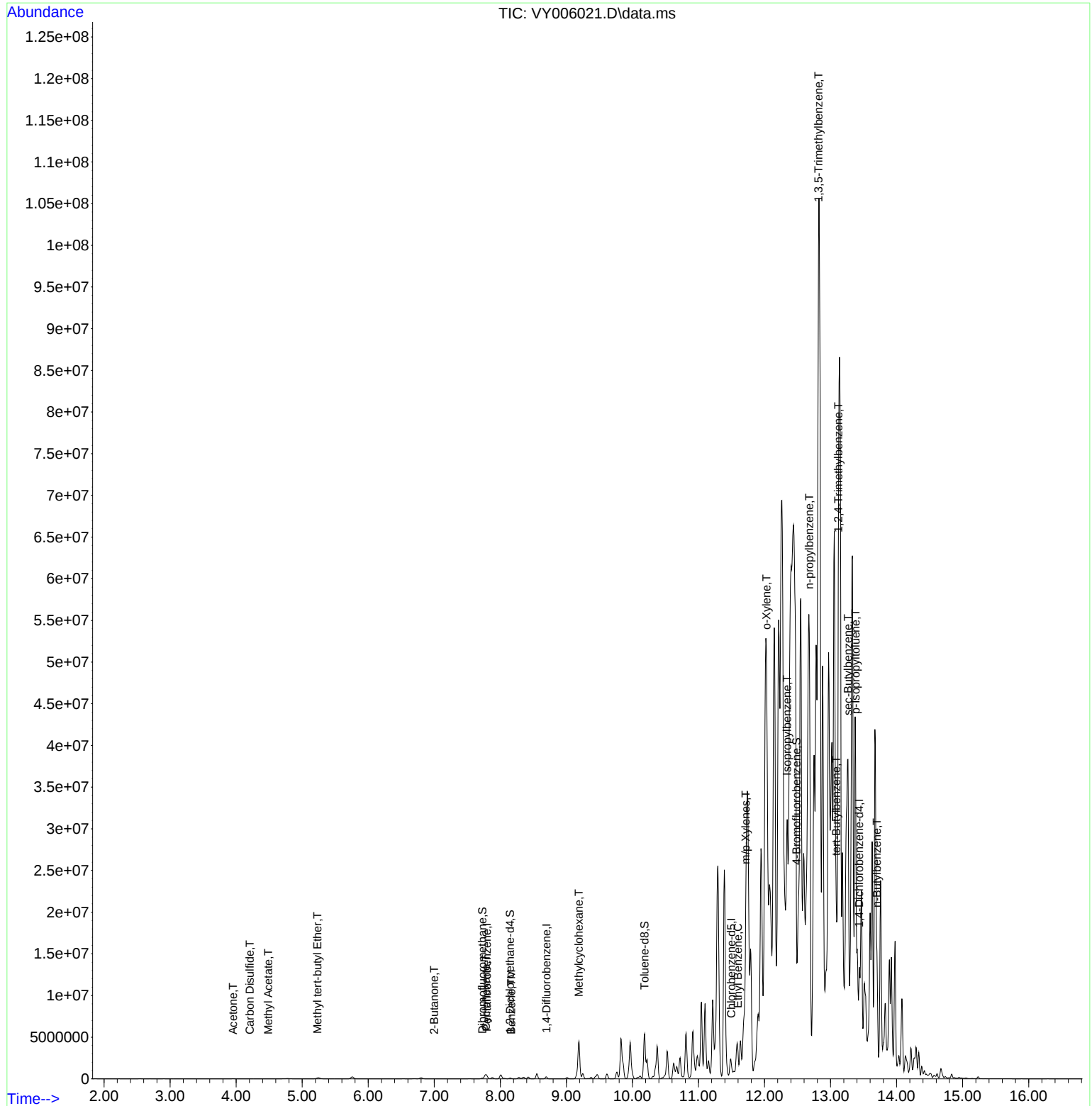
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
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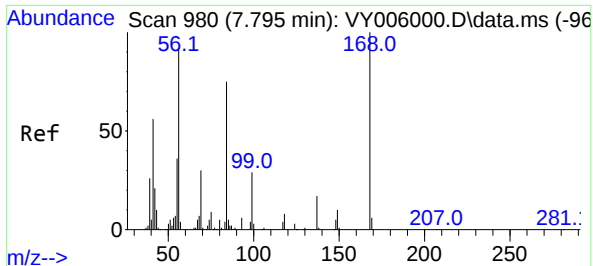
Instrument :
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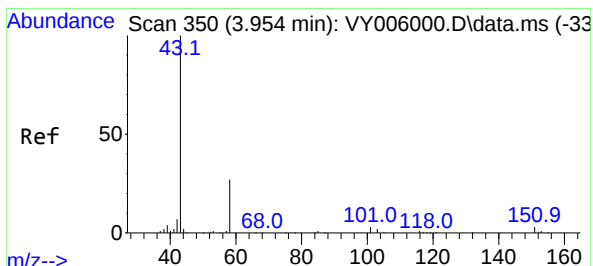
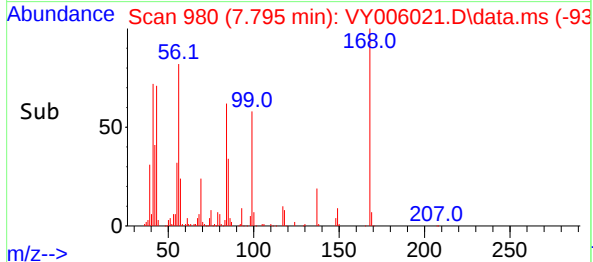
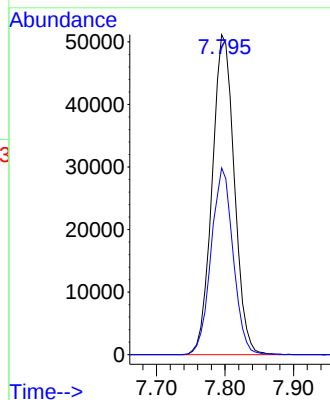
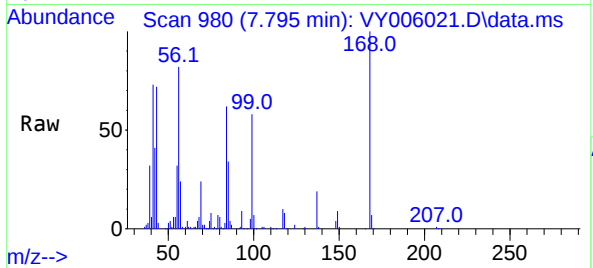
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion: 168 Resp: 114917
Ion Ratio Lower Upper
168 100
99 58.3 46.9 70.3

Instrument :
MSVOA_Y
ClientSampleId :
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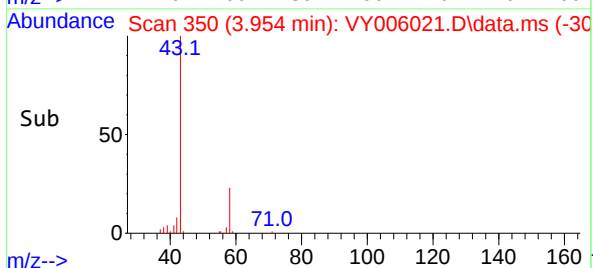
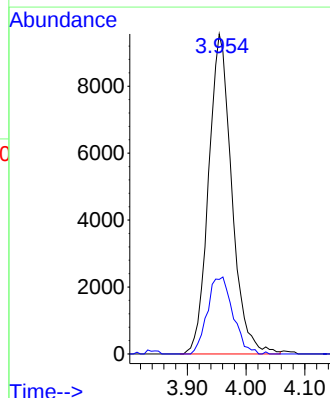
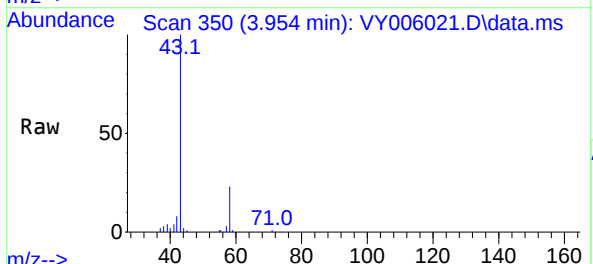
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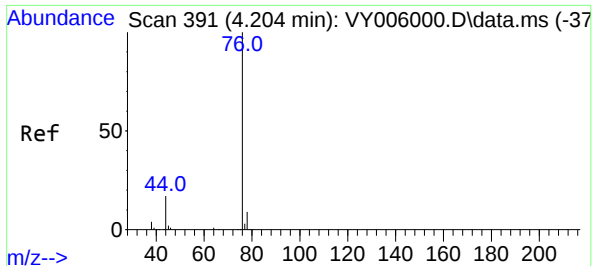
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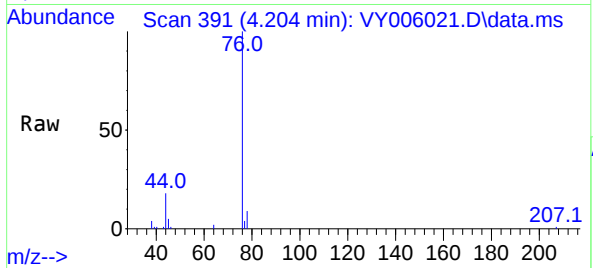
#16
Acetone
Concen: 59.874 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion: 43 Resp: 26214
Ion Ratio Lower Upper
43 100
58 23.3 22.0 33.0

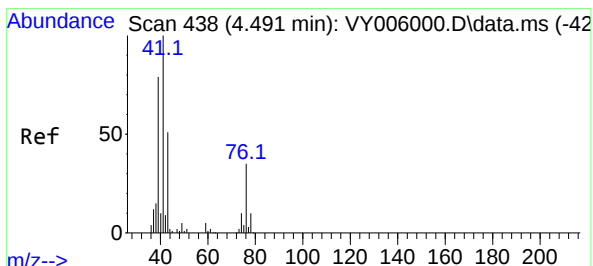
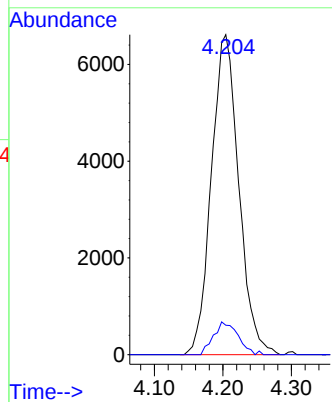
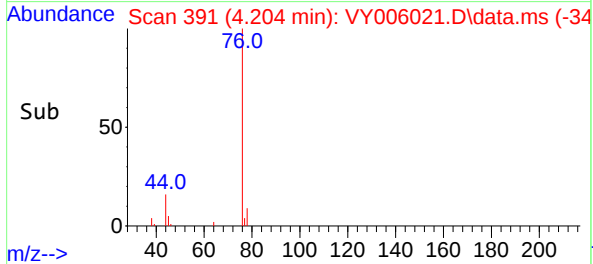




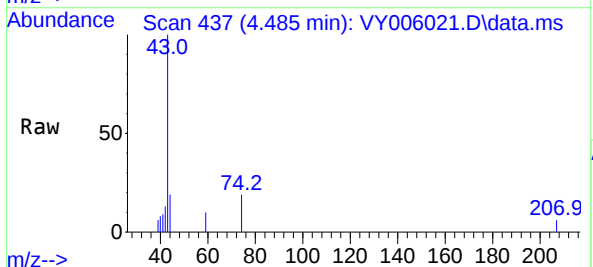
#17
Carbon Disulfide
Concen: 4.795 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31



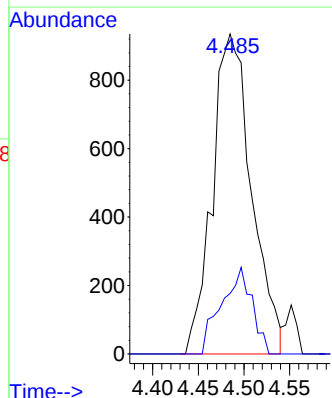
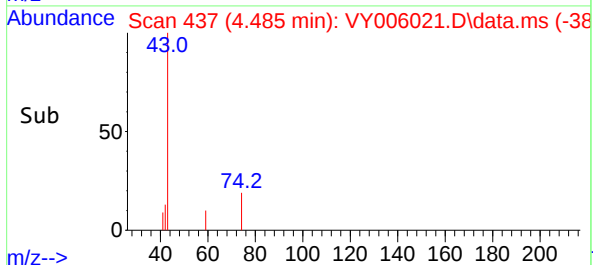
Tgt Ion: 76 Resp: 18376
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 2.529 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31



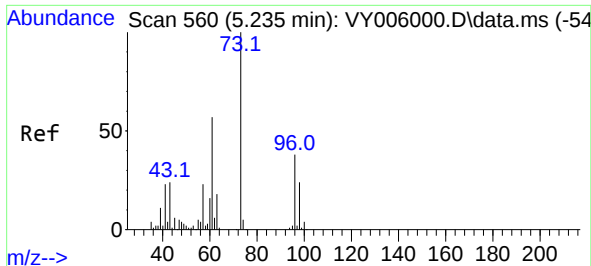
Tgt Ion: 43 Resp: 2789
Ion Ratio Lower Upper
43 100
74 21.0 16.6 24.8



Instrument :
MSVOA_Y
ClientSampleId :
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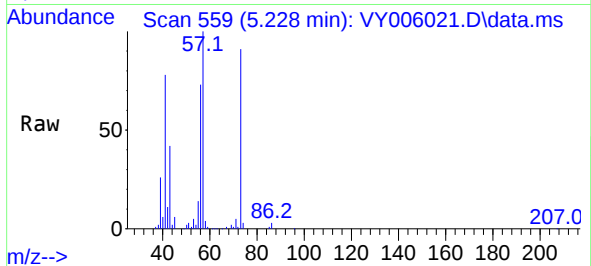
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#19
Methyl tert-butyl Ether
Concen: 21.780 ug/l
RT: 5.228 min Scan# 559
Delta R.T. -0.007 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

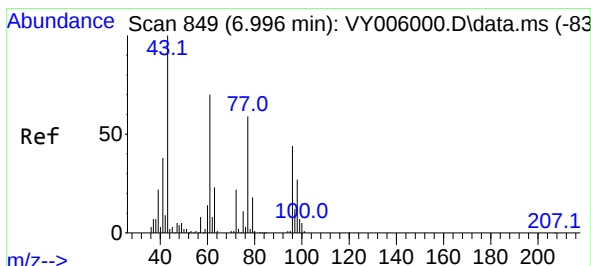
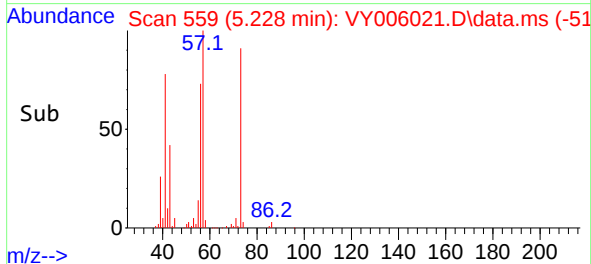
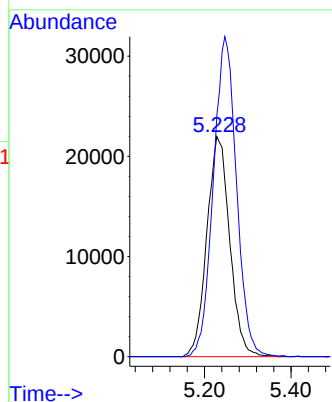
Instrument :
MSVOA_Y
ClientSampleId :
SUP-UST-01-(10-12)



Tgt Ion: 73 Resp: 80567
Ion Ratio Lower Upper
73 100
57 109.6 18.6 27.8#

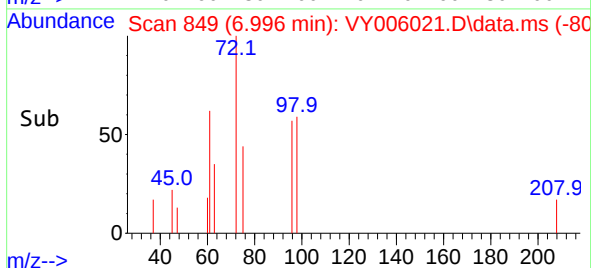
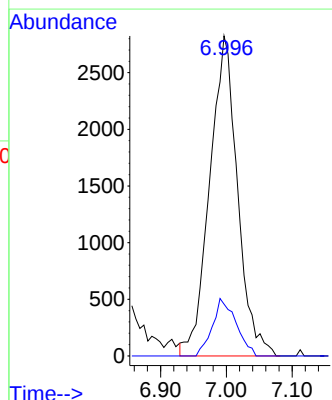
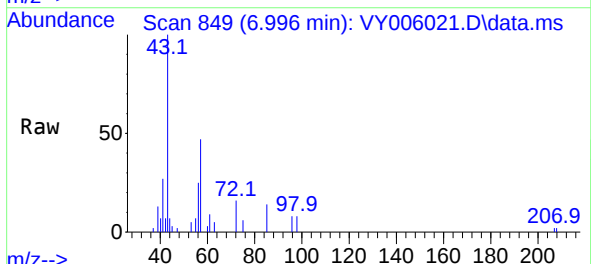
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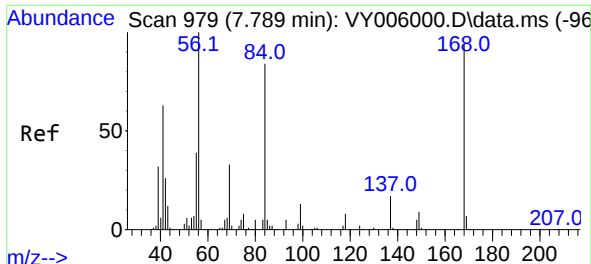
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#25
2-Butanone
Concen: 13.788 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

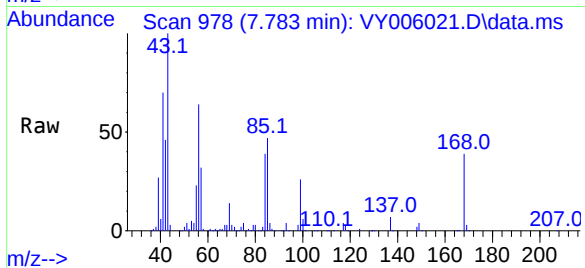
Tgt Ion: 43 Resp: 8320
Ion Ratio Lower Upper
43 100
72 16.2 17.7 26.5#





#31
Cyclohexane
Concen: 61.205 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

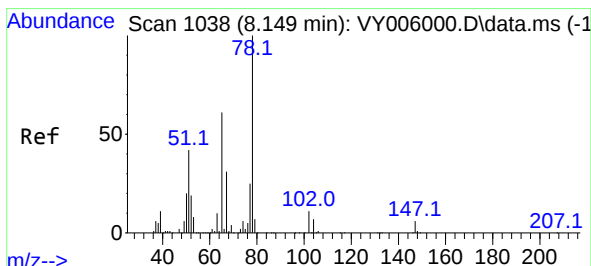
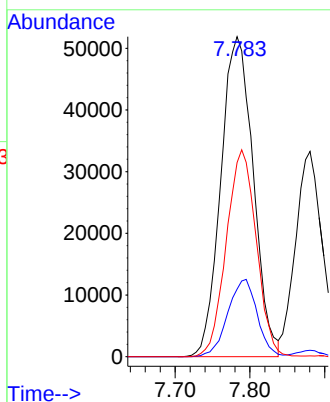
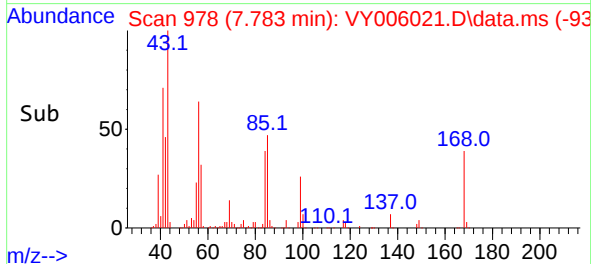
Instrument :
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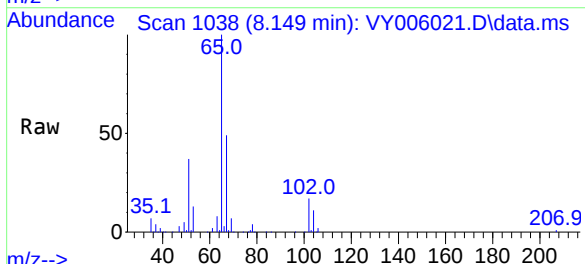
Tgt Ion: 56 Resp: 156506
Ion Ratio Lower Upper
56 100
69 21.1 26.7 40.1#
84 60.7 67.2 100.8#

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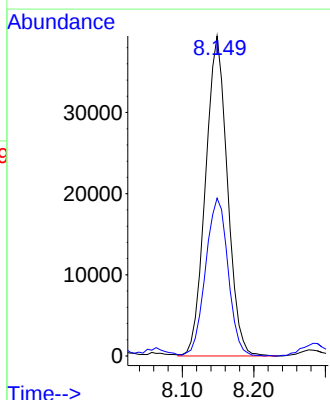
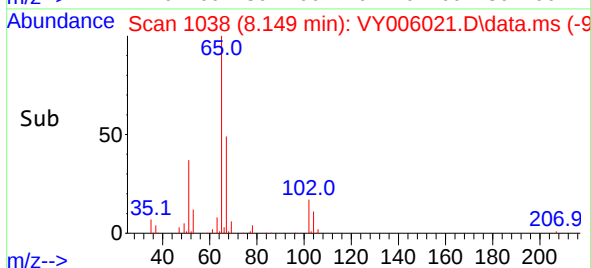
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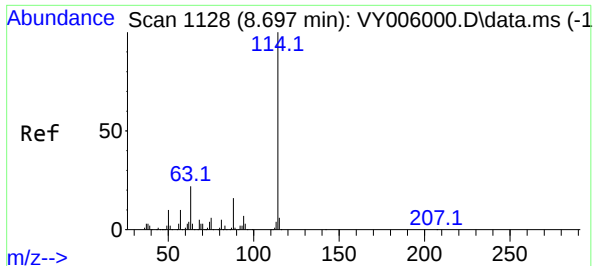


#33
1,2-Dichloroethane-d4
Concen: 52.595 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31



Tgt Ion: 65 Resp: 83956
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.4





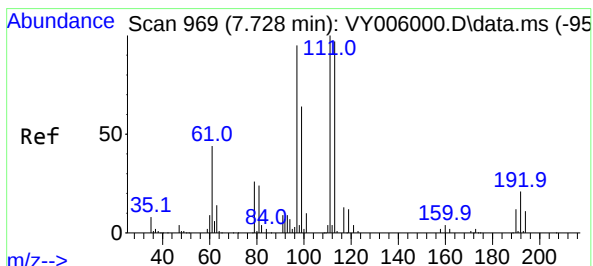
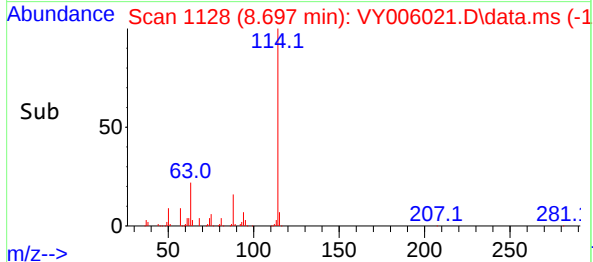
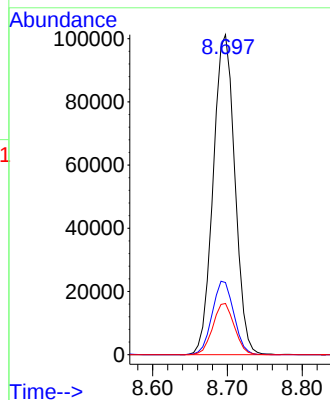
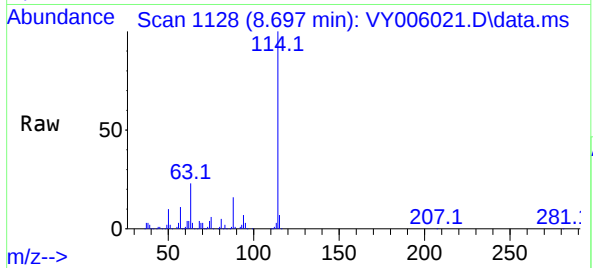
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion:	114	Resp:	204130
Ion Ratio	Lower	Upper	
114	100		
63	22.6	0.0	43.2
88	16.0	0.0	31.8

Instrument :
MSVOA_Y
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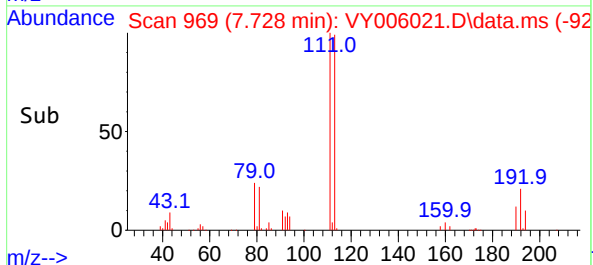
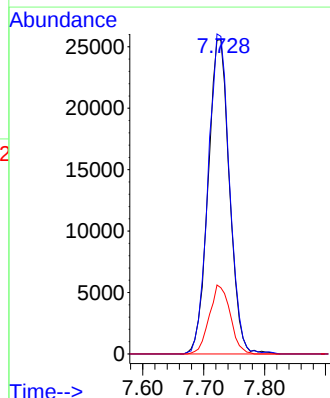
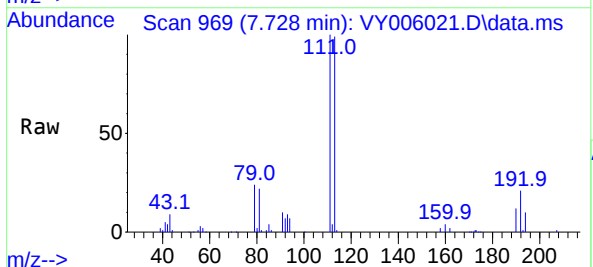
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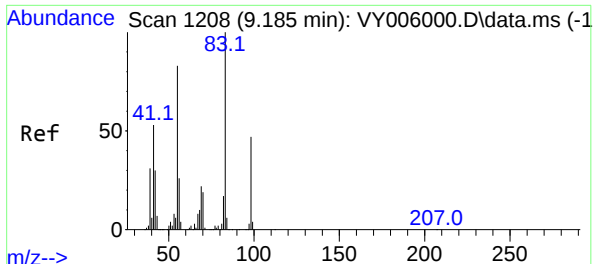
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#35
Dibromofluoromethane
Concen: 49.001 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion:	113	Resp:	62128
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.6	124.0
192	21.5	17.6	26.4





#39
Methylcyclohexane
Concen: 612.314 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

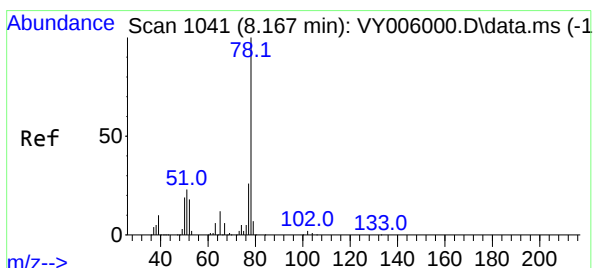
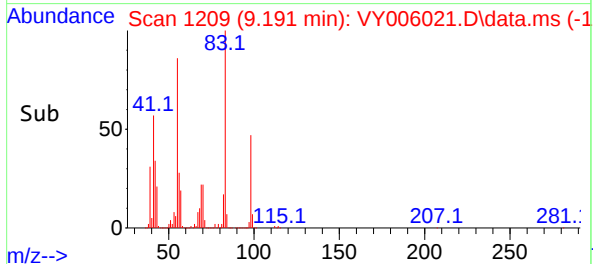
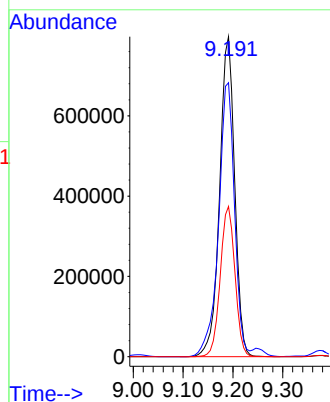
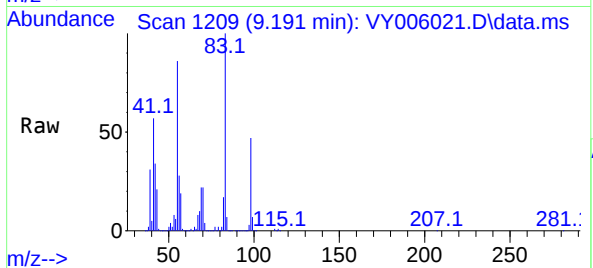
Tgt Ion: 83 Resp: 1672087

Ion	Ratio	Lower	Upper
83	100		
55	85.6	66.5	99.7
98	46.9	37.9	56.9

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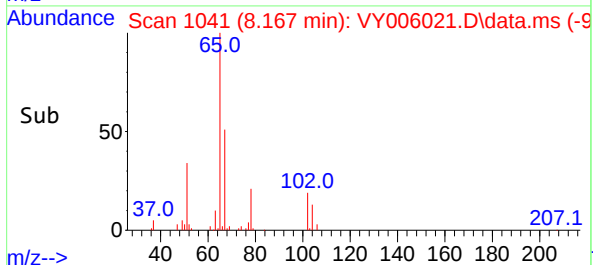
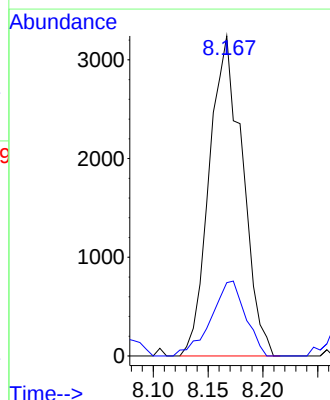
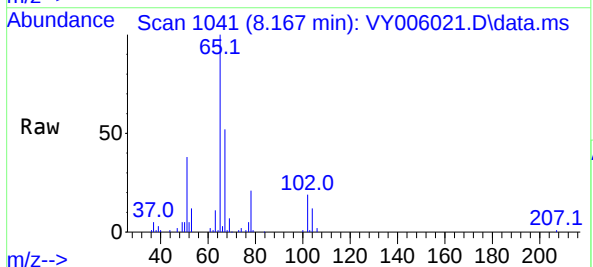
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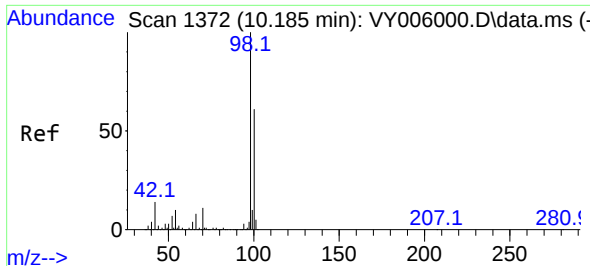


#40
Benzene
Concen: 1.081 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion: 78 Resp: 6830

Ion	Ratio	Lower	Upper
78	100		
77	22.9	20.4	30.6





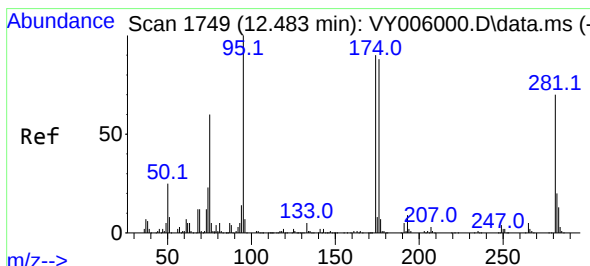
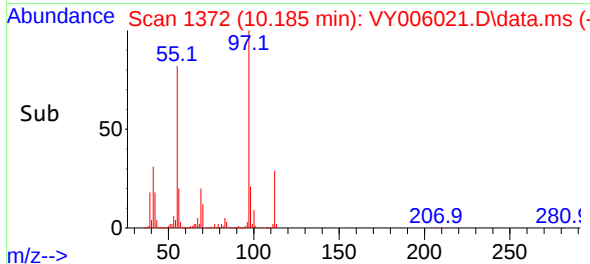
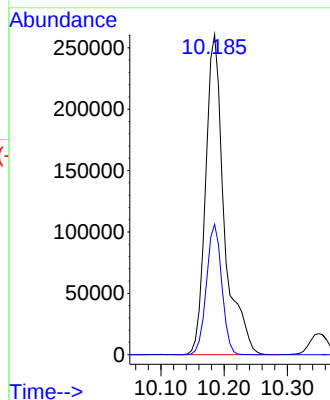
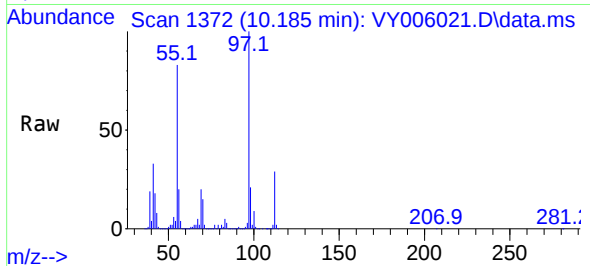
#50
Toluene-d8
Concen: 98.578 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Instrument :
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Tgt Ion: 98 Resp: 532696
Ion Ratio Lower Upper
98 100
100 33.6 50.2 75.2#

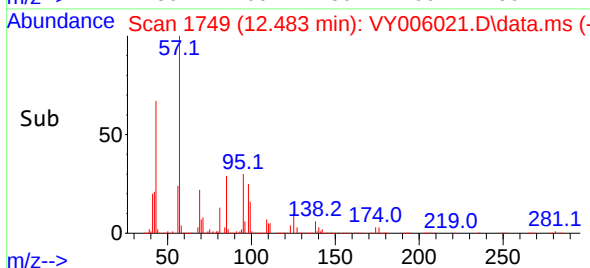
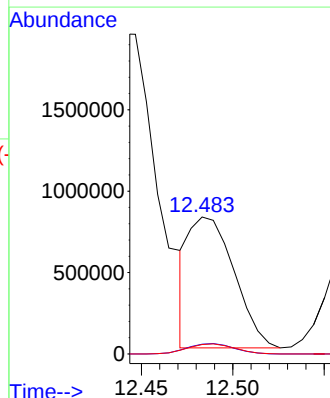
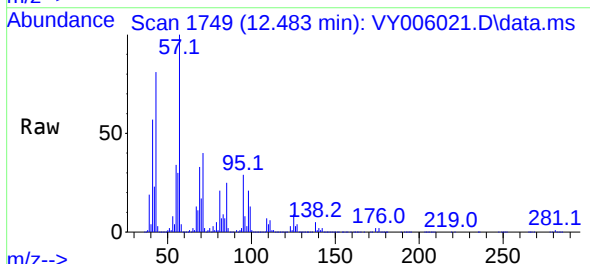
Manual Integrations
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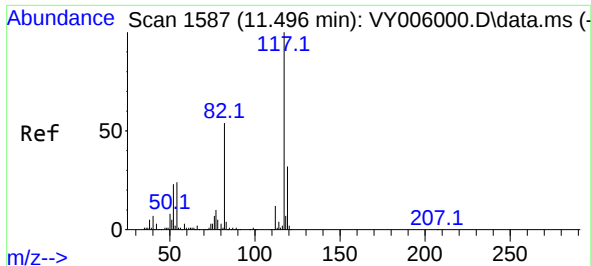
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#62
4-Bromofluorobenzene
Concen: 755.846 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion: 95 Resp: 1386734
Ion Ratio Lower Upper
95 100
174 8.2 0.0 177.0
176 8.0 0.0 175.8





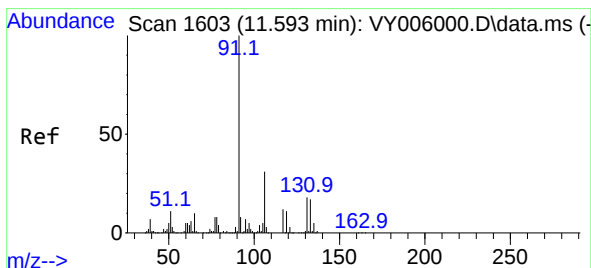
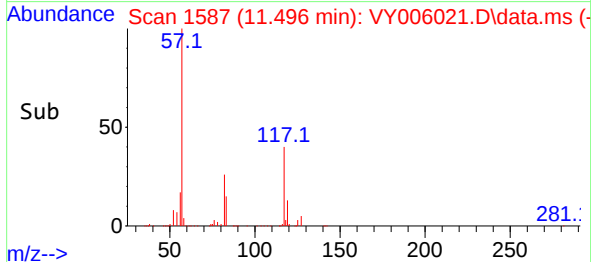
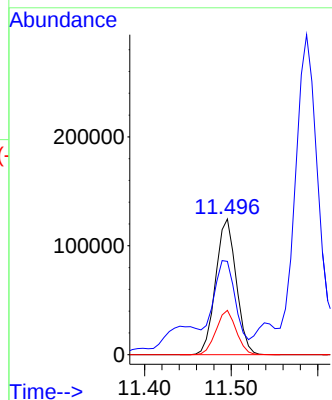
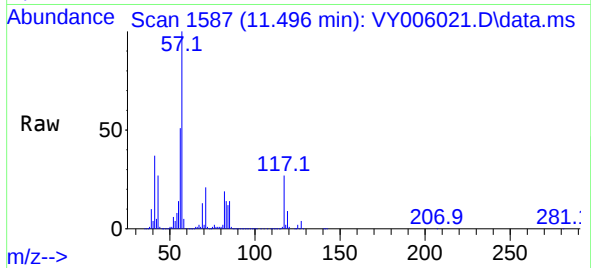
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion: 117 Resp: 204862
Ion Ratio Lower Upper
117 100
82 49.2 43.0 64.4
119 32.7 25.4 38.0

Instrument :
MSVOA_Y
ClientSampleId :
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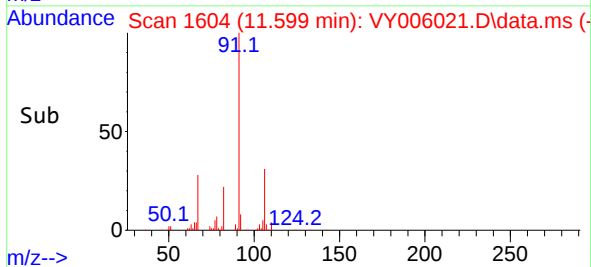
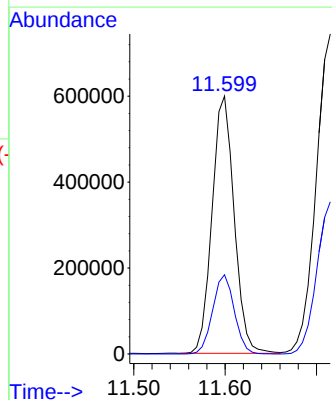
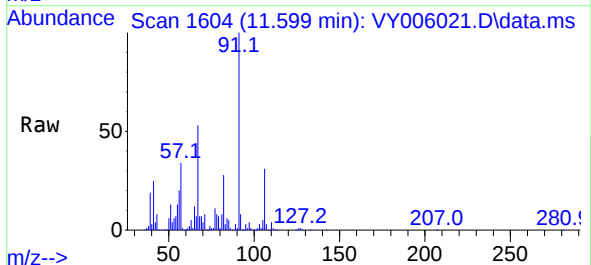
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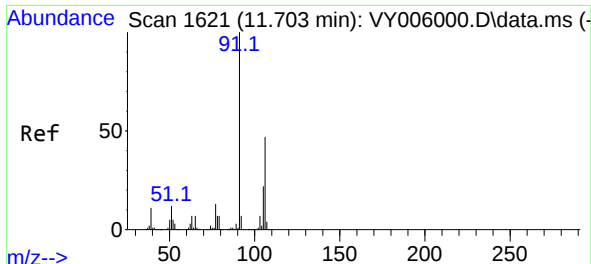
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#67
Ethyl Benzene
Concen: 120.809 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion: 91 Resp: 1006601
Ion Ratio Lower Upper
91 100
106 30.8 24.5 36.7





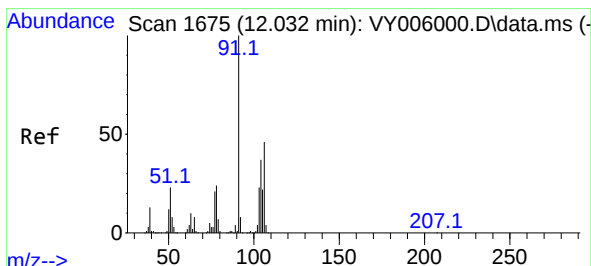
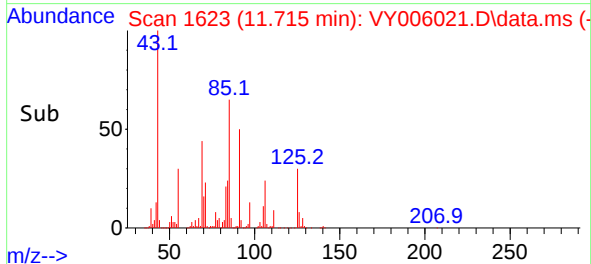
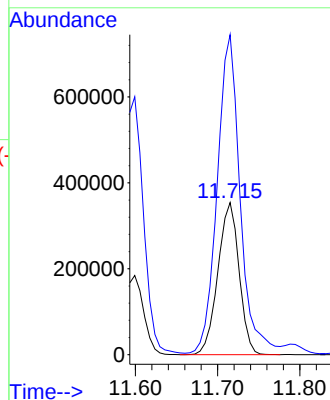
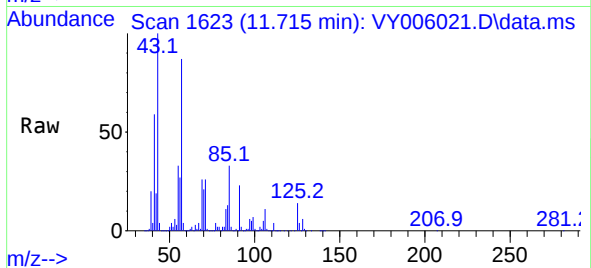
#68
m/p-Xylenes
Concen: 200.622 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.012 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion:106 Resp: 633859
Ion Ratio Lower Upper
106 100
91 227.3 166.6 249.8

Instrument :
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ClientSampleId :
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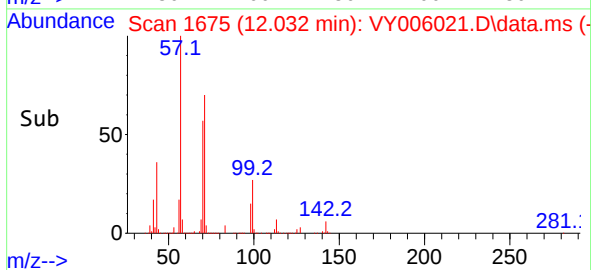
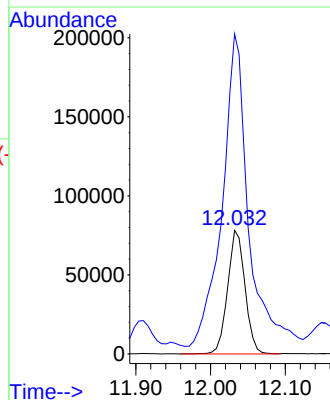
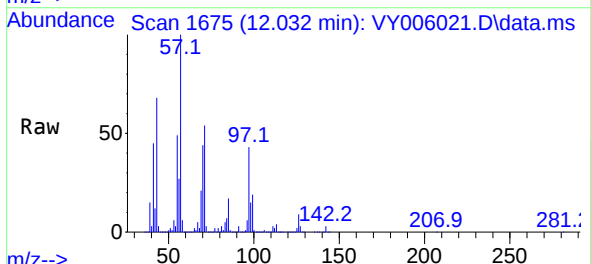
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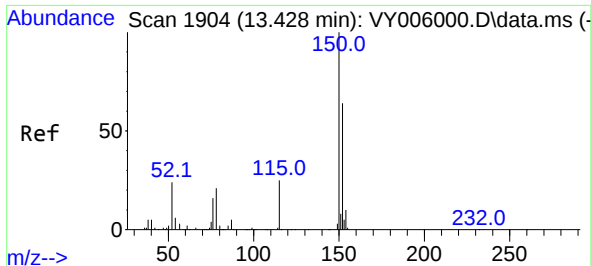
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#69
o-Xylene
Concen: 42.373 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion:106 Resp: 126445
Ion Ratio Lower Upper
106 100
91 378.3 110.3 331.0#





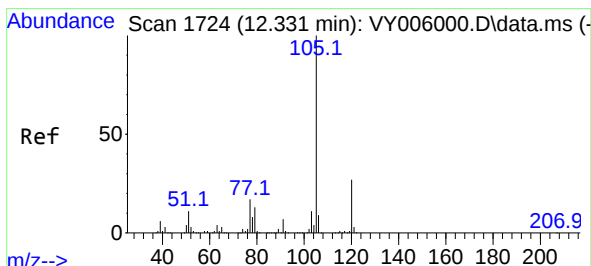
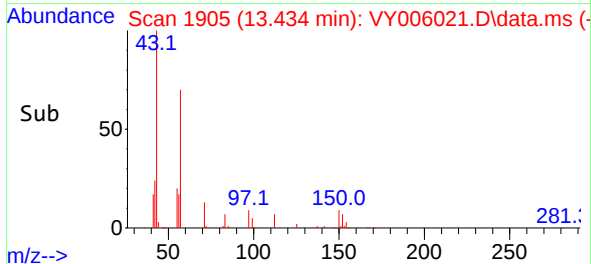
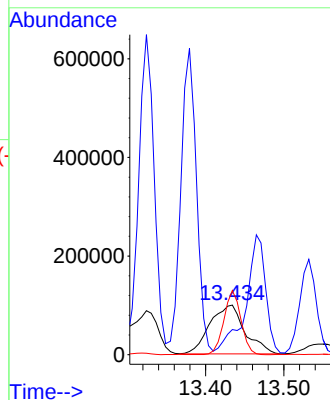
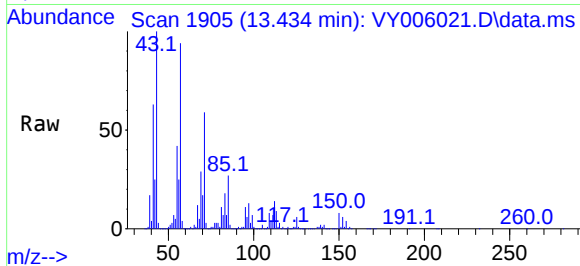
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion:152 Resp: 306472
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 64.0 0.0 347.6

Instrument :
MSVOA_Y
ClientSampleId :
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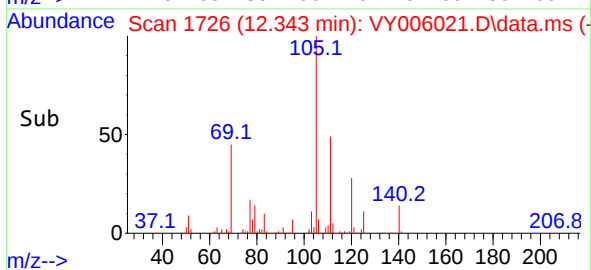
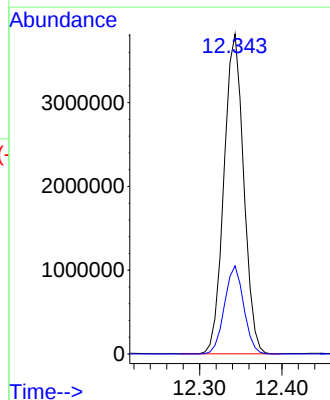
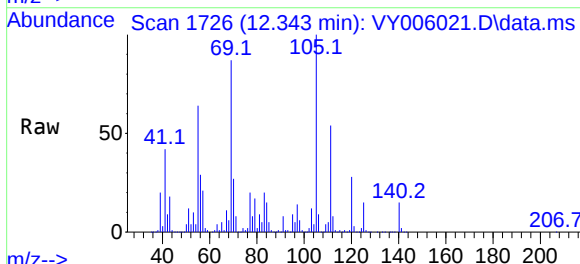
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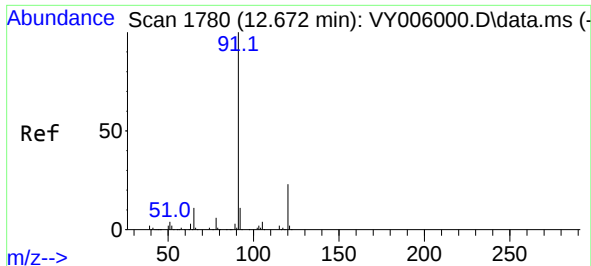
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#73
Isopropylbenzene
Concen: 264.536 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.012 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

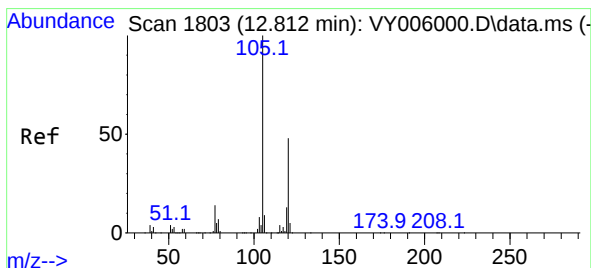
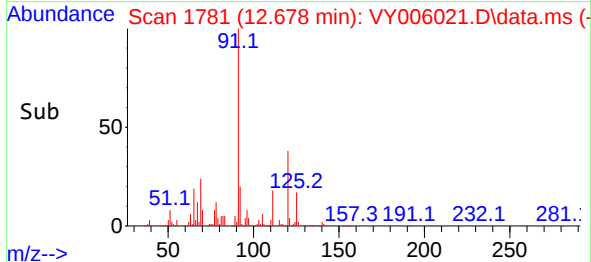
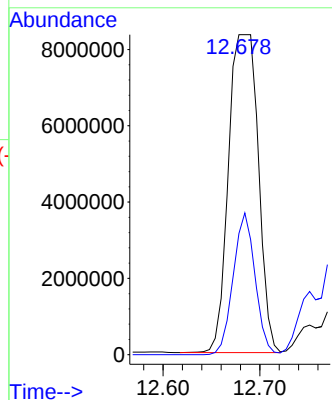
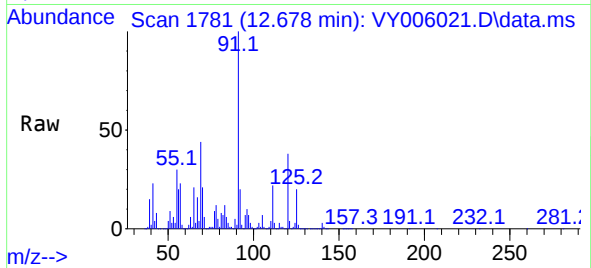
Tgt Ion:105 Resp: 6348588
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2





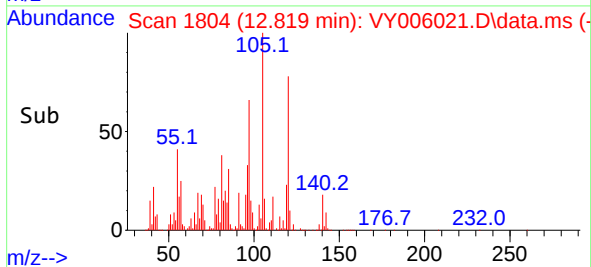
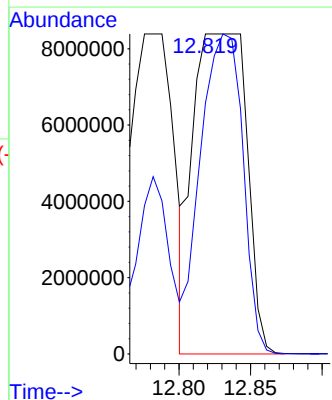
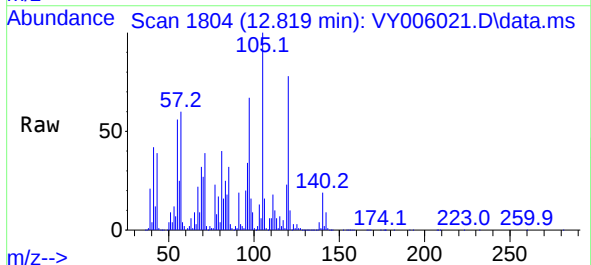
#78
n-propylbenzene
Concen: 600.551 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion: 91 Resp:17832235
Ion Ratio Lower Upper
91 100
120 32.8 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 1092.835 ug/l m
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

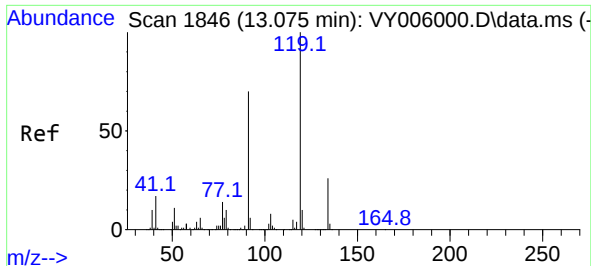
Tgt Ion:105 Resp:21751273
Ion Ratio Lower Upper
105 100
120 44.0 24.4 73.4



Instrument :
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ClientSampleId :
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#83
tert-Butylbenzene
Concen: 172.018 ug/l
RT: 13.087 min Scan# 1848
Delta R.T. 0.012 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

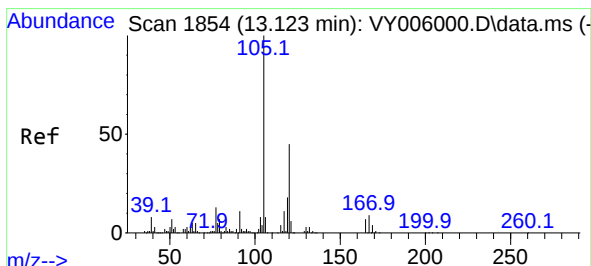
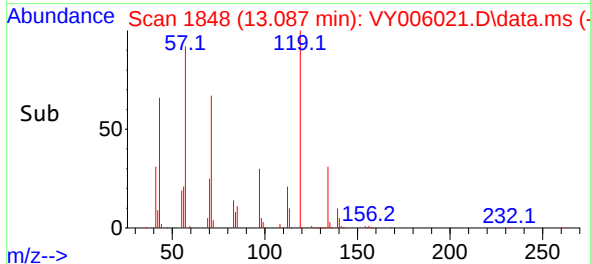
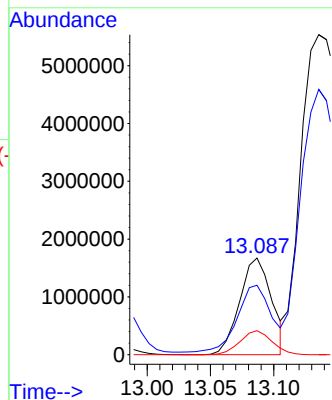
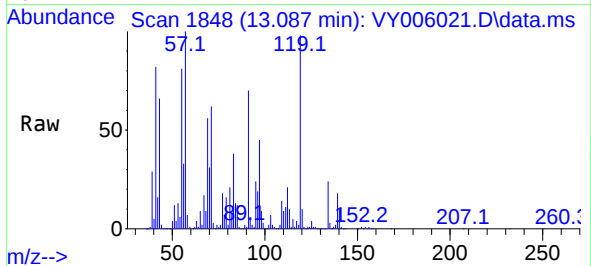
Tgt Ion:119 Resp: 2928279

Ion	Ratio	Lower	Upper
119	100		
91	72.9	34.8	104.4
134	24.9	13.3	39.9

Instrument :
MSVOA_Y
ClientSampleId :
SUP-UST-01-(10-12)

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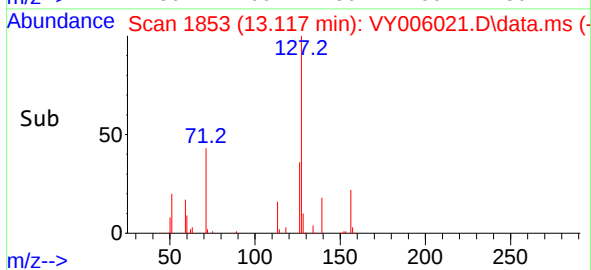
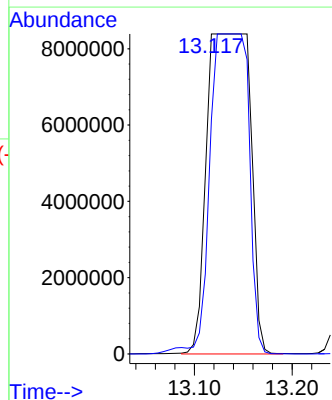
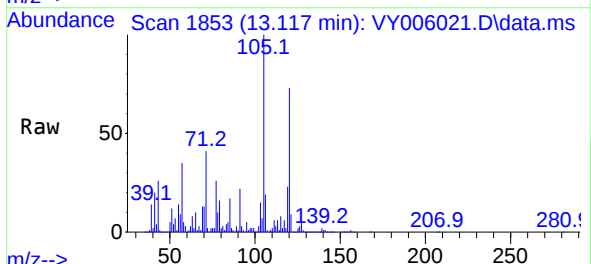
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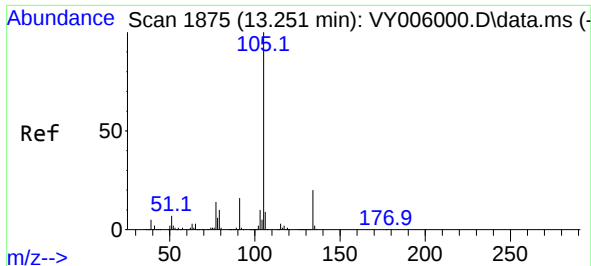


#84
1,2,4-Trimethylbenzene
Concen: 1309.940 ug/l m
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Tgt Ion:105 Resp:25866854

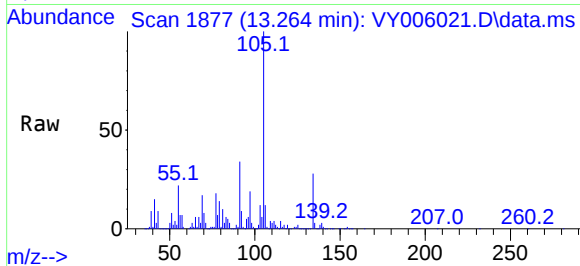
Ion	Ratio	Lower	Upper
105	100		
120	11.2	22.3	66.9#





#85
 sec-Butylbenzene
 Concen: 491.515 ug/l
 RT: 13.264 min Scan# 1877
 Delta R.T. 0.012 min
 Lab File: VY006021.D
 Acq: 15 Sep 2021 12:31

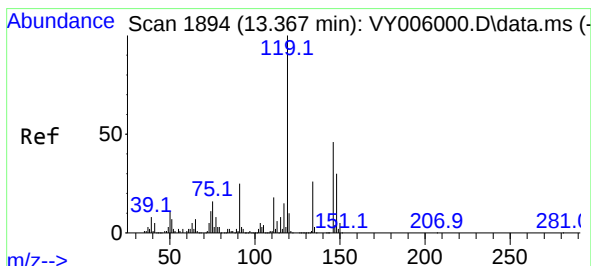
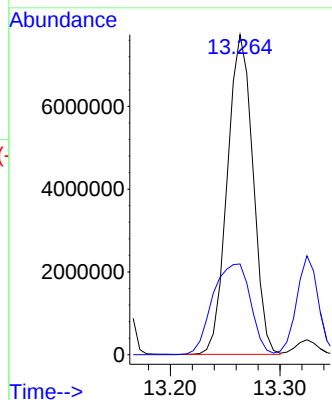
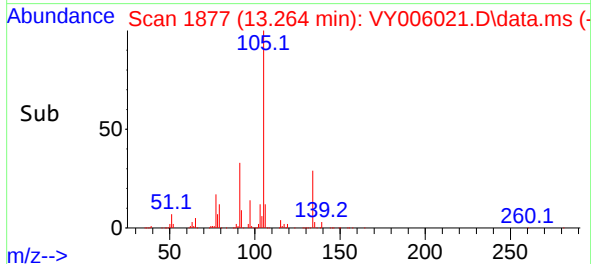
Instrument :
 MSVOA_Y
 ClientSampleId :
 SUP-UST-01-(10-12)



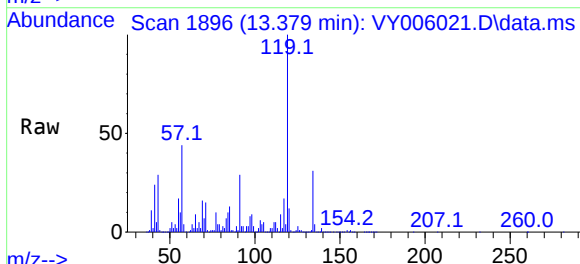
Tgt Ion:105 Resp:12525363
 Ion Ratio Lower Upper
 105 100
 134 41.9 10.2 30.4#

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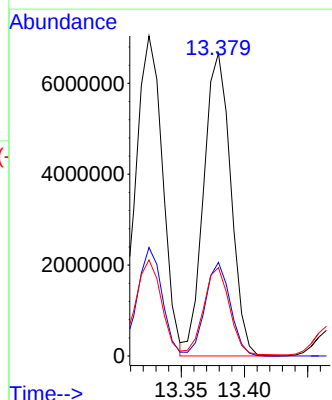
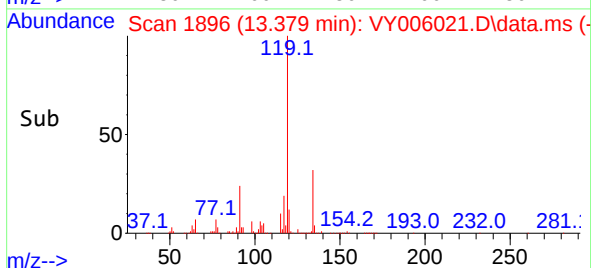
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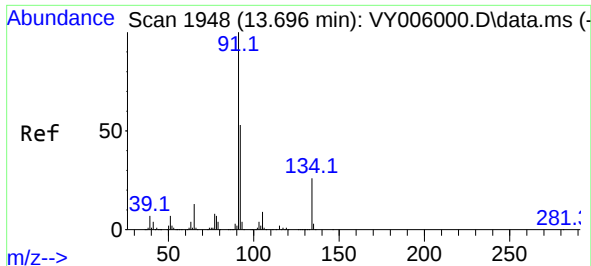


#86
 p-Isopropyltoluene
 Concen: 455.506 ug/l
 RT: 13.379 min Scan# 1896
 Delta R.T. 0.012 min
 Lab File: VY006021.D
 Acq: 15 Sep 2021 12:31



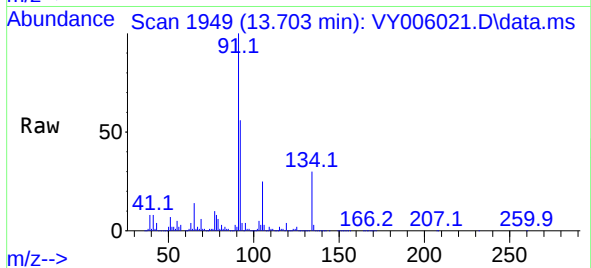
Tgt Ion:119 Resp: 9909856
 Ion Ratio Lower Upper
 119 100
 134 28.6 13.2 39.5
 91 27.5 12.4 37.2





#89
n-Butylbenzene
Concen: 281.969 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY006021.D
Acq: 15 Sep 2021 12:31

Instrument :
MSVOA_Y
ClientSampleId :
SUP-UST-01-(10-12)



Tgt Ion: 91 Resp: 5736506
Ion Ratio Lower Upper
91 100
92 63.8 26.3 78.9
134 0.0 13.0 38.9#

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