

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050421\
 Data File : VY004715.D
 Acq On : 04 May 2021 15:08
 Operator : SY/MD
 Sample : M2253-04
 Misc : 2.23G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 31069

Manual Integrations
 APPROVED

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5/5/2021 5:31:39 PM

Quant Time: May 05 01:34:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	156622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	272275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	203915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	39818	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	103111	59.25	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.50%			
35) Dibromofluoromethane	7.722	113	76098	50.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.72%			
50) Toluene-d8	10.179	98	316536	49.25	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.50%			
62) 4-Bromofluorobenzene	12.483	95	71096	32.60	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 65.20%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.966	59	64926	378.58	ug/l	99
15) Acrylonitrile	5.173	53	2720	5.41	ug/l #	84
16) Acetone	3.954	43	13911965	40785.06	ug/l	97
17) Carbon Disulfide	4.204	76	11238	2.40	ug/l	97
20) Methylene Chloride	4.728	84	12512	7.44	ug/l	95
25) 2-Butanone	6.996	43	283062	427.02	ug/l	97
29) Tetrahydrofuran	7.356	42	7080	14.95	ug/l	95
37) Ethyl Acetate	7.082	43	23289	13.37	ug/l	99
40) Benzene	8.161	78	10094	1.33	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	118424	69.80	ug/l	98
52) Toluene	10.246	92	22510	4.58	ug/l	98
59) 2-Hexanone	10.837	43	11831	10.40	ug/l	88
68) m/p-Xylenes	11.697	106	11422	3.95	ug/l	95
69) o-Xylene	12.026	106	9569	3.53	ug/l	91
78) n-propylbenzene	12.672	91	6822	1.88	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	62645	25.05	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	53295	21.12	ug/l	100
85) sec-Butylbenzene	13.245	105	4035	1.35	ug/l #	57
86) p-Isopropyltoluene	13.367	119	5453m	2.01	ug/l	
89) n-Butylbenzene	13.696	91	3935m	1.52	ug/l	
95) Naphthalene	15.233	128	10890	6.63	ug/l #	90

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

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Operator : SY/MD
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Misc : 2.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

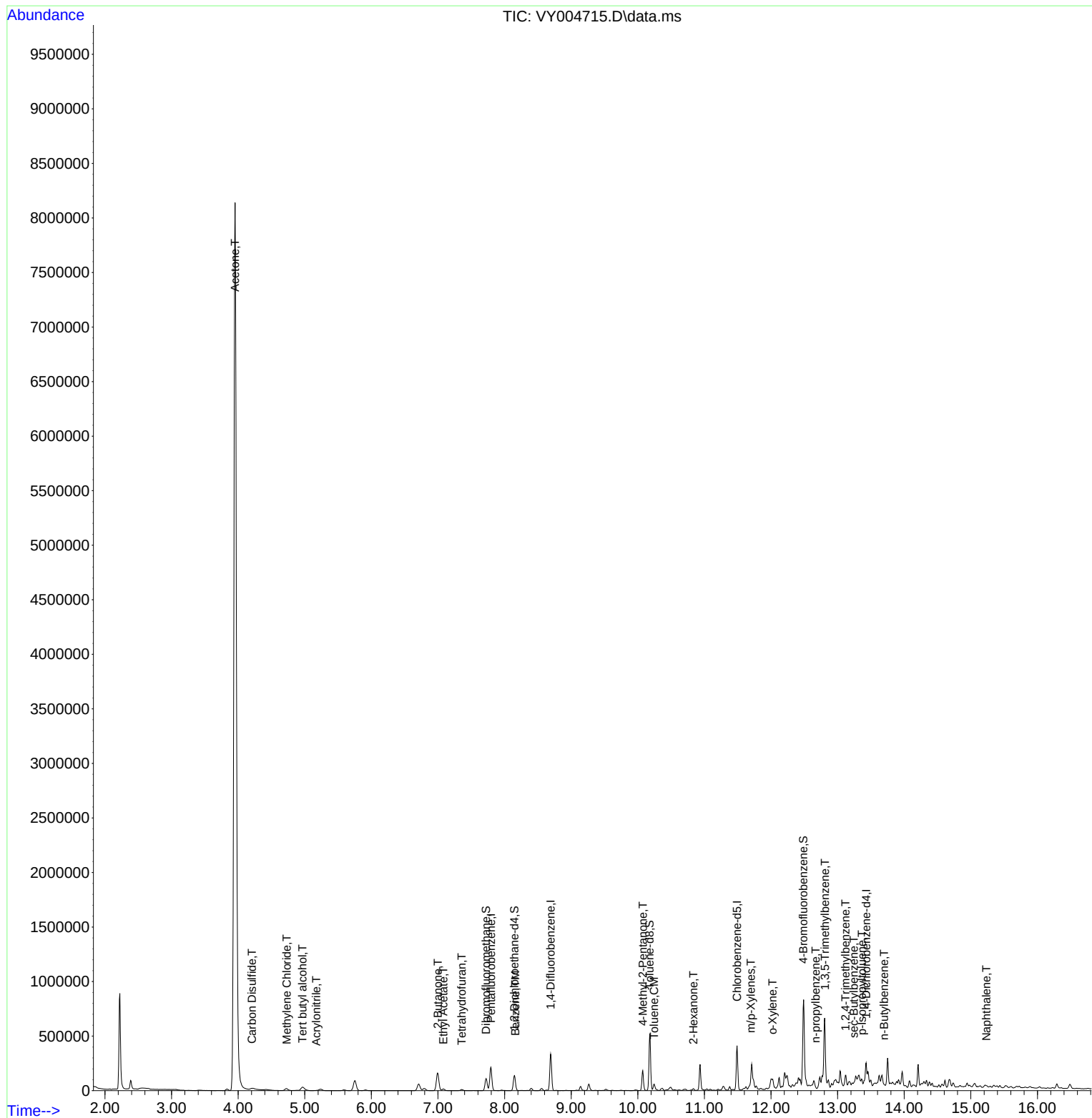
Instrument :
MSVOA_Y
ClientSampleId :
31069

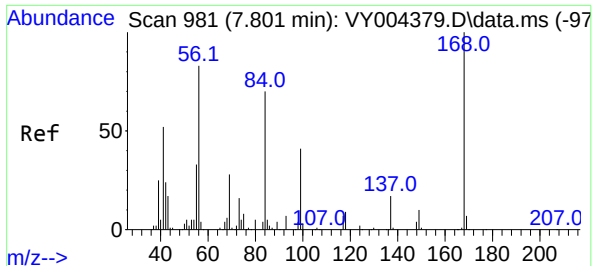
Quant Time: May 05 01:34:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
Response via : Initial Calibration

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#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

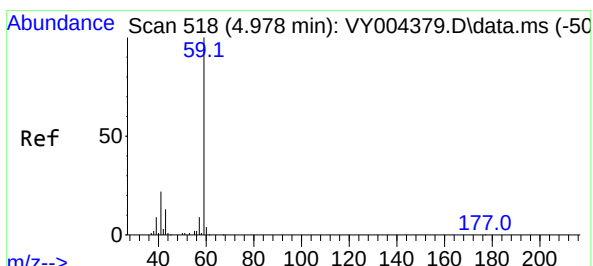
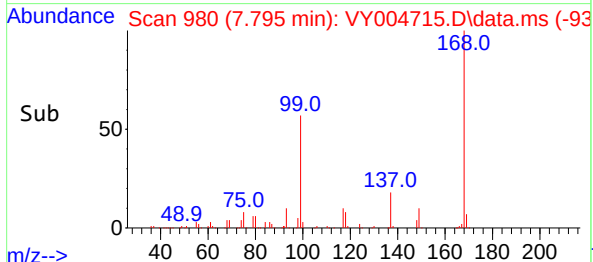
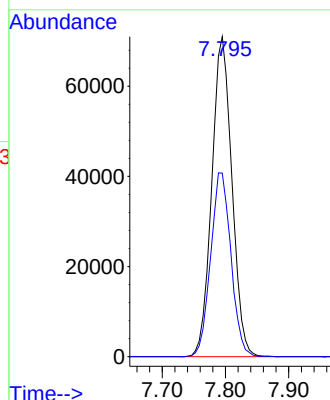
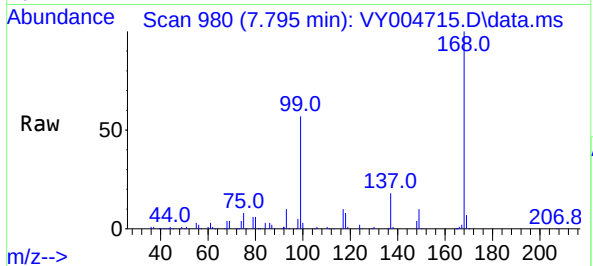
Tgt Ion:168 Resp: 156622
Ion Ratio Lower Upper
168 100
99 57.4 45.5 68.3

Instrument :
MSVOA_Y
ClientSampled :
31069

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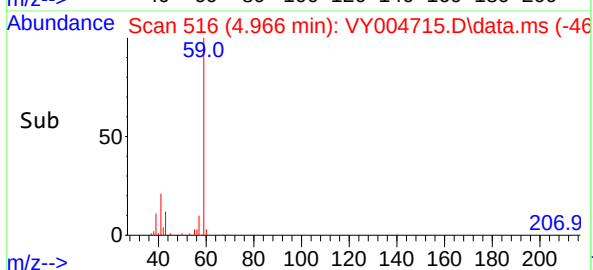
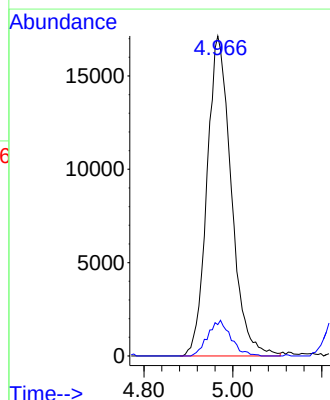
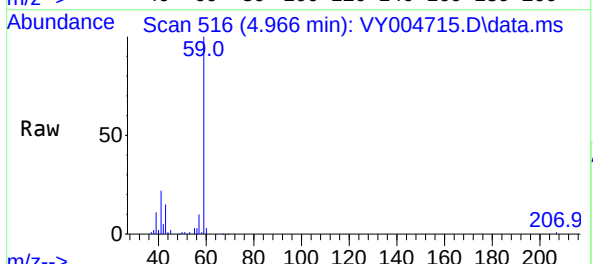
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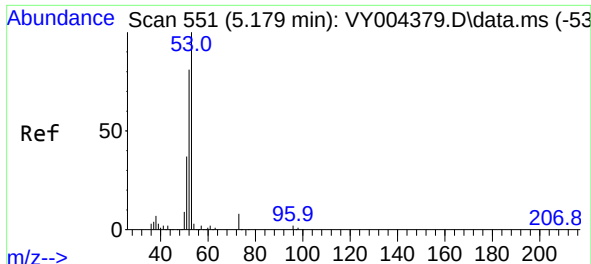
5/5/2021 5:31:39 PM



#11
Tert butyl alcohol
Concen: 378.58 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

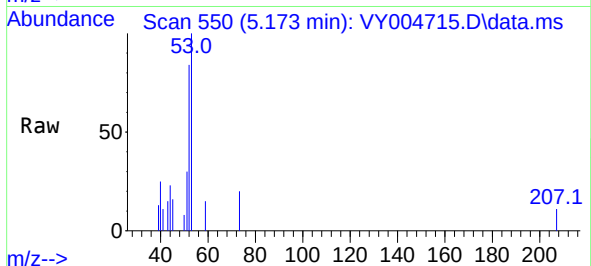
Tgt Ion: 59 Resp: 64926
Ion Ratio Lower Upper
59 100
57 10.6 8.1 12.1





#15
Acrylonitrile
Concen: 5.41 ug/l
RT: 5.173 min Scan# 550
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

Instrument :
MSVOA_Y
ClientSampled :
31069

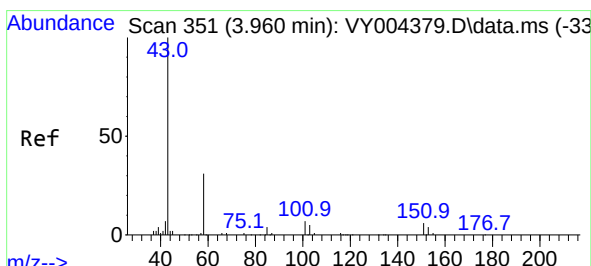
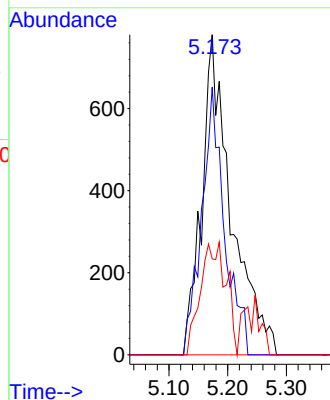
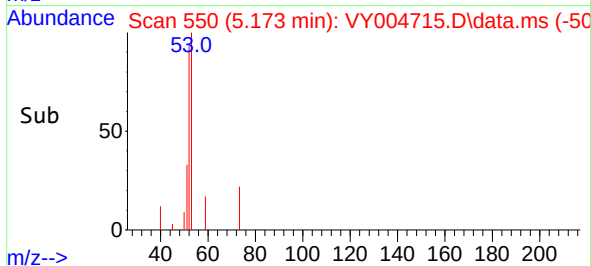


Tgt Ion: 53 Resp: 2720
Ion Ratio Lower Upper
53 100
52 64.7 64.9 97.3#
51 30.7 29.3 43.9

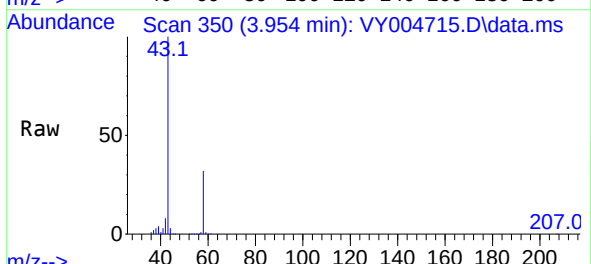
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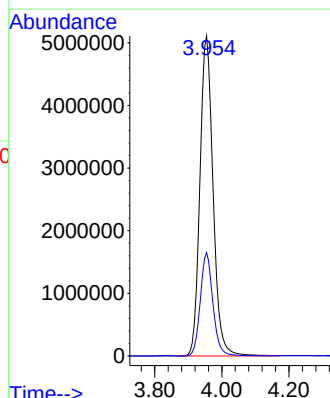
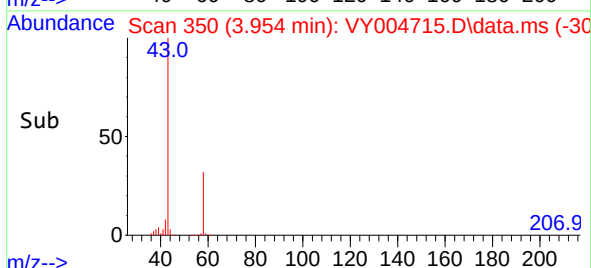
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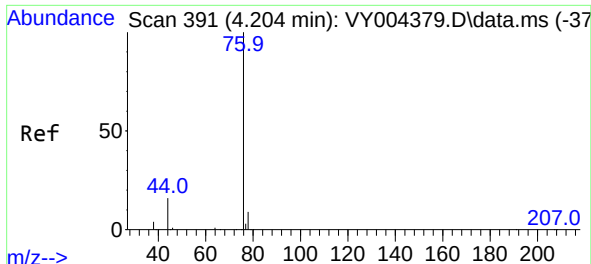


#16
Acetone
Concen: 40785.06 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08



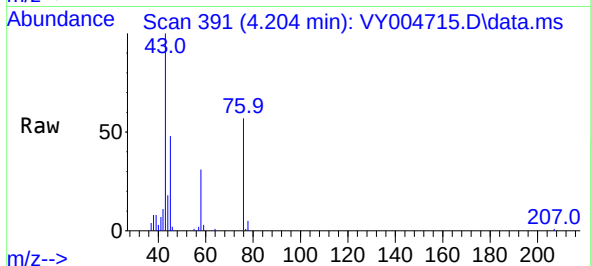
Tgt Ion: 43 Resp: 13911965
Ion Ratio Lower Upper
43 100
58 32.3 24.6 37.0





#17
Carbon Disulfide
Concen: 2.40 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

Instrument :
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31069

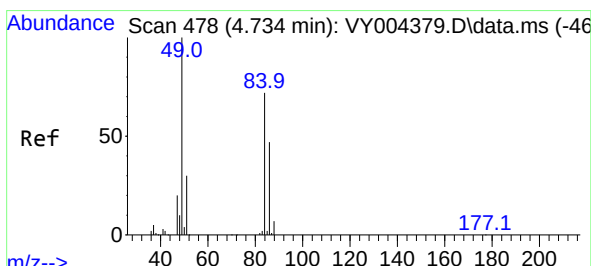
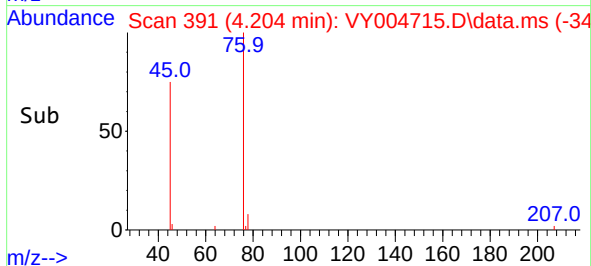
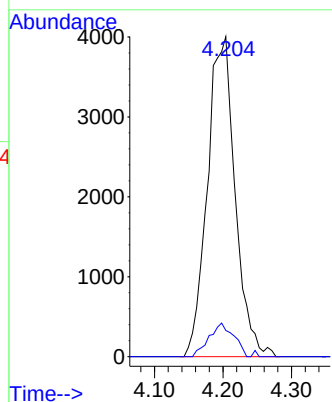


Tgt Ion: 76 Resp: 11238
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2

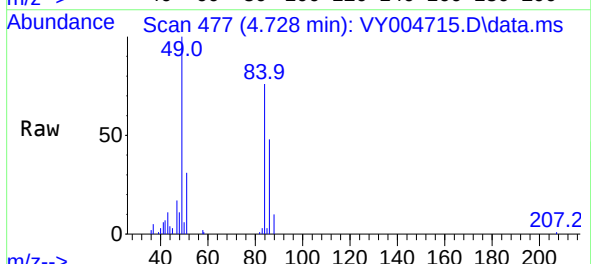
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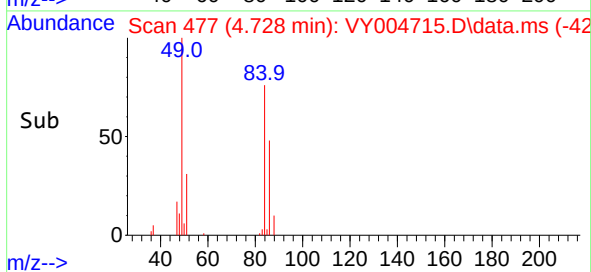
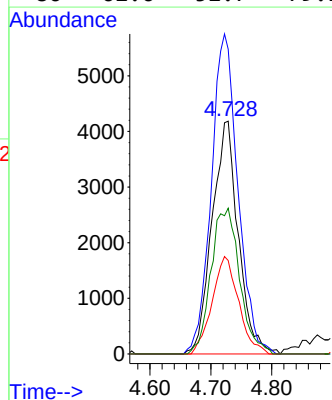
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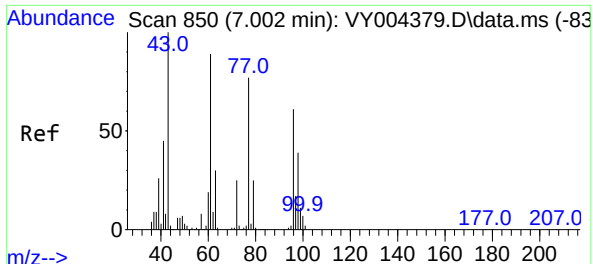


#20
Methylene Chloride
Concen: 7.44 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08



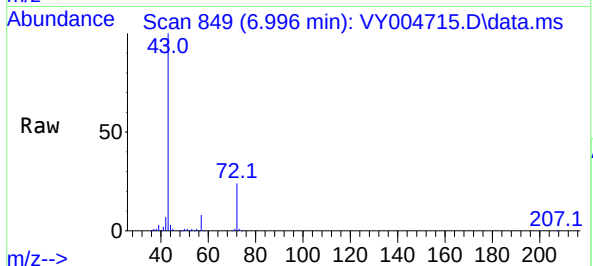
Tgt Ion: 84 Resp: 12512
Ion Ratio Lower Upper
84 100
49 130.9 111.2 166.8
51 40.1 33.4 50.2
86 62.6 52.7 79.1





#25
2-Butanone
Concen: 427.02 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

Instrument :
MSVOA_Y
ClientSampled :
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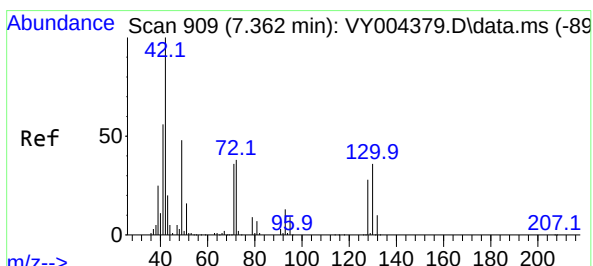
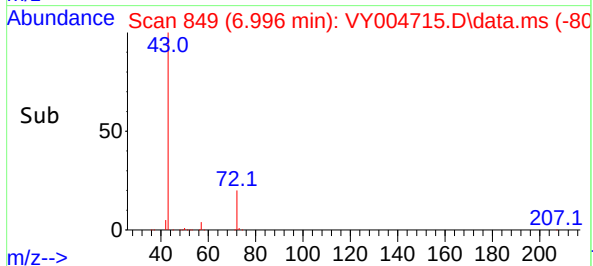
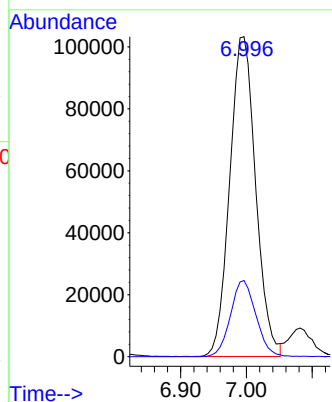


Tgt Ion: 43 Resp: 283062
Ion Ratio Lower Upper
43 100
72 23.8 20.2 30.2

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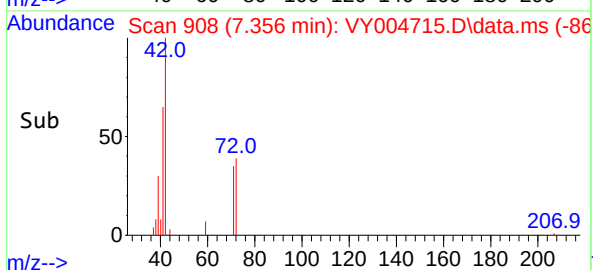
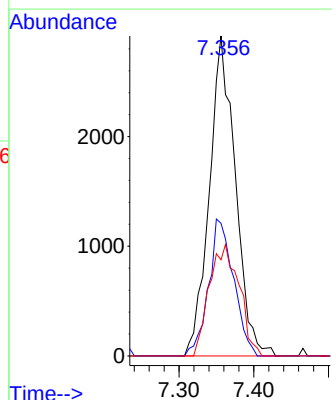
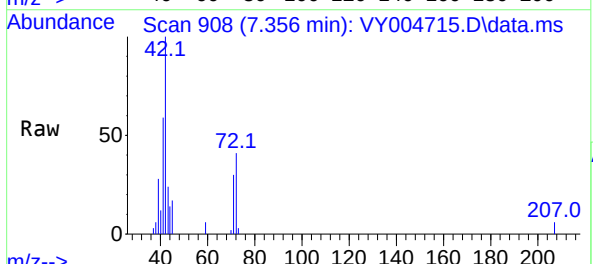
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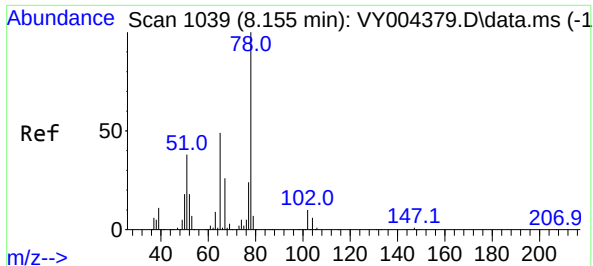
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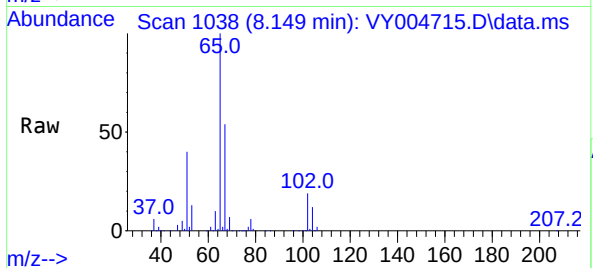
#29
Tetrahydrofuran
Concen: 14.95 ug/l
RT: 7.356 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

Tgt Ion: 42 Resp: 7080
Ion Ratio Lower Upper
42 100
72 41.0 31.0 46.4
71 39.7 28.8 43.2

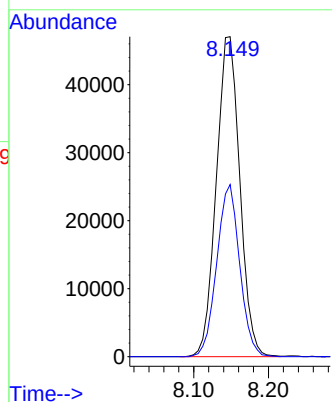




#33
1,2-Dichloroethane-d4
Concen: 59.25 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08



Tgt Ion: 65 Resp: 103111
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.4

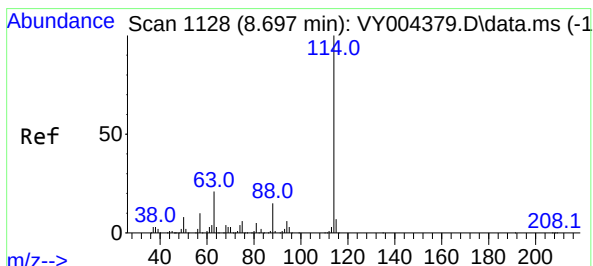
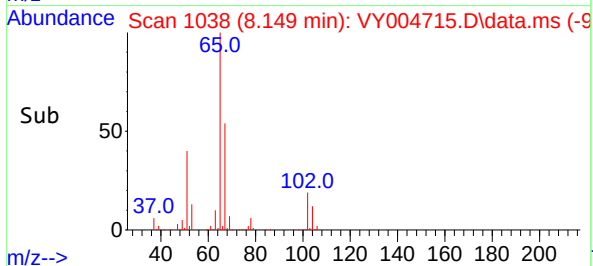


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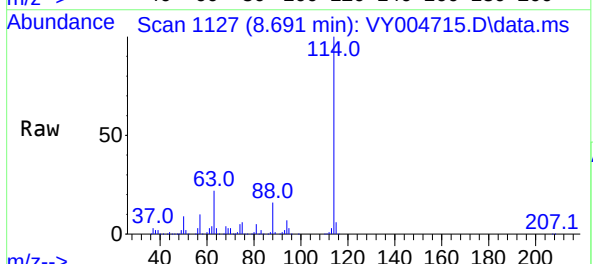
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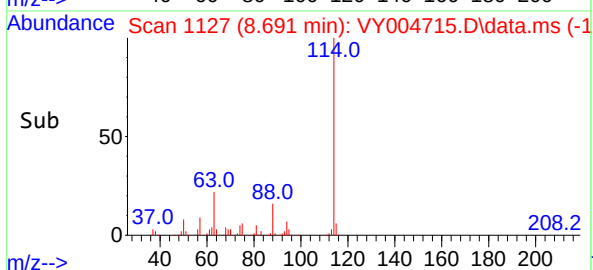
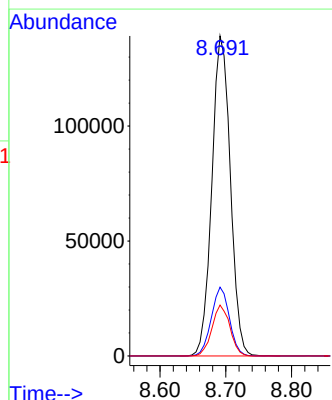
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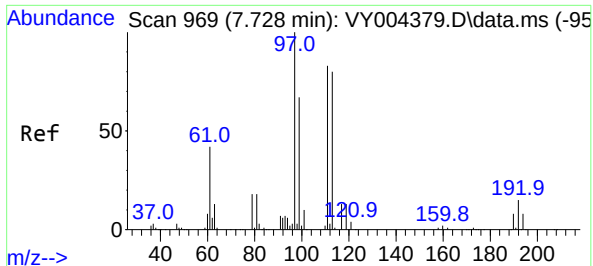


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08



Tgt Ion: 114 Resp: 272275
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.4
88 15.9 0.0 30.8





#35
Dibromofluoromethane
Concen: 50.36 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

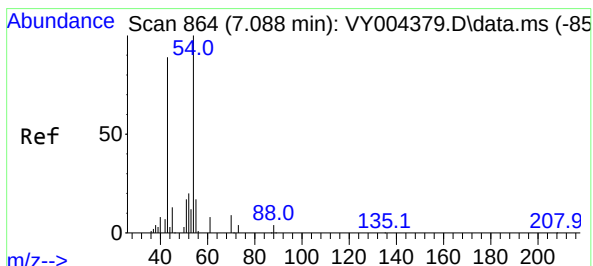
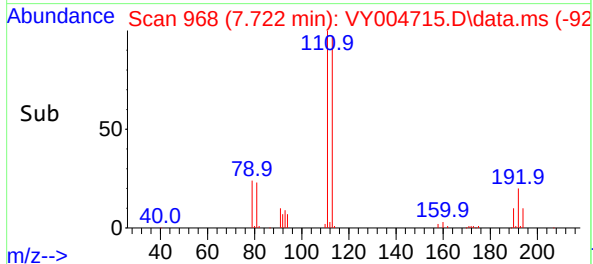
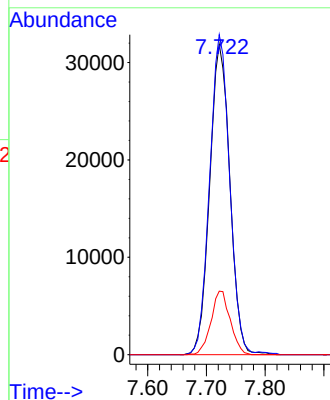
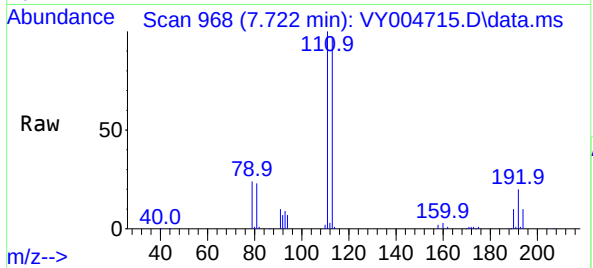
Tgt Ion:	113	Resp:	76098
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	123.8
192	19.5	16.1	24.1

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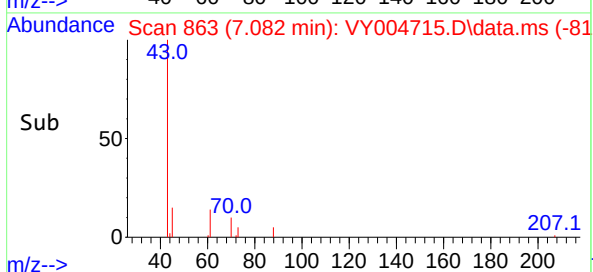
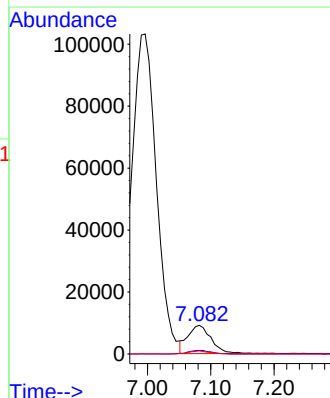
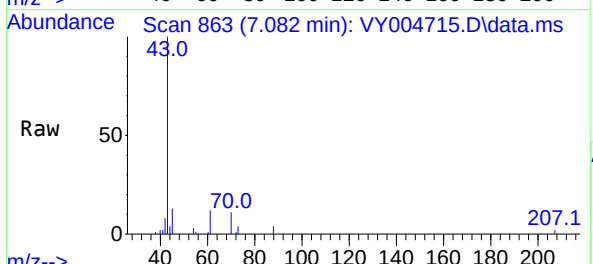
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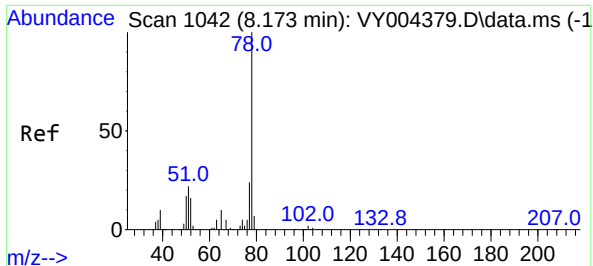
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#37
Ethyl Acetate
Concen: 13.37 ug/l
RT: 7.082 min Scan# 863
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

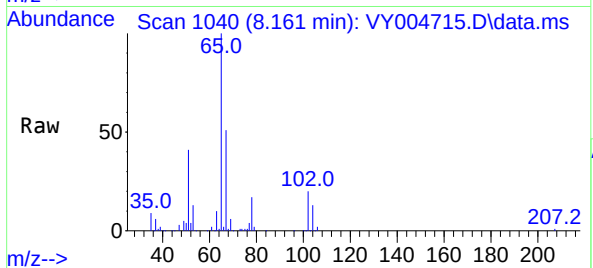
Tgt Ion:	43	Resp:	23289
Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.4	15.6
70	9.2	7.5	11.3



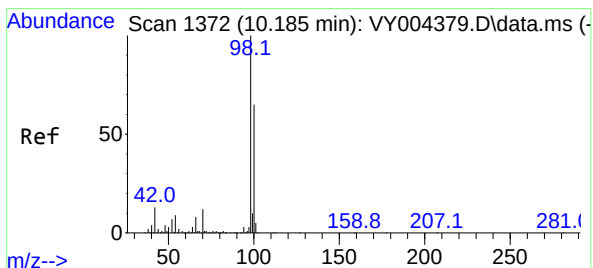
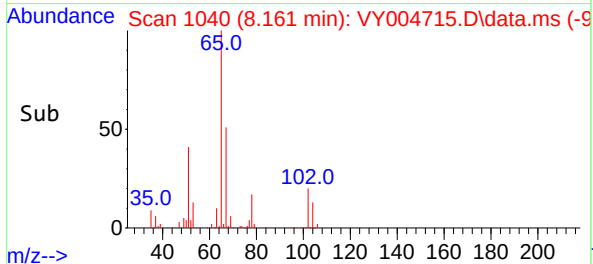
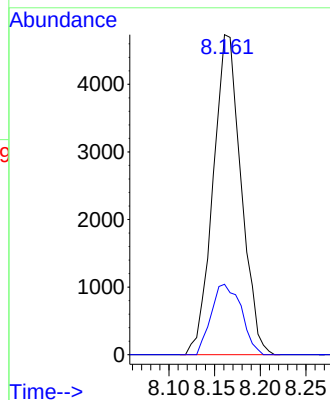


#40
Benzene
Concen: 1.33 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

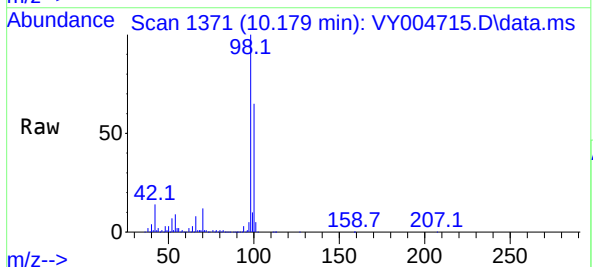
Instrument :
MSVOA_Y
ClientSampleId :
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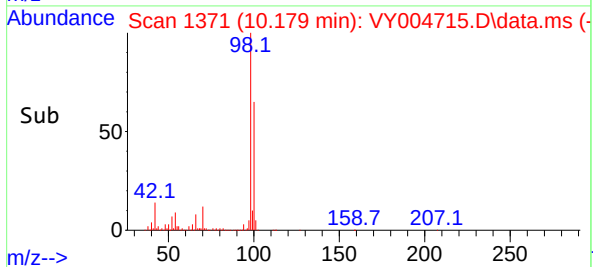
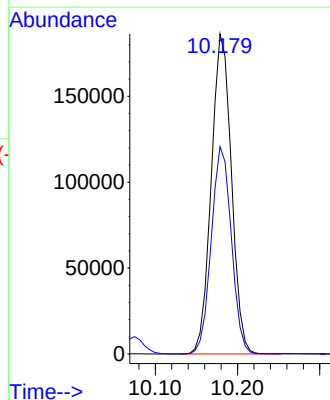
Tgt Ion: 78 Resp: 10094
Ion Ratio Lower Upper
78 100
77 22.0 19.4 29.0

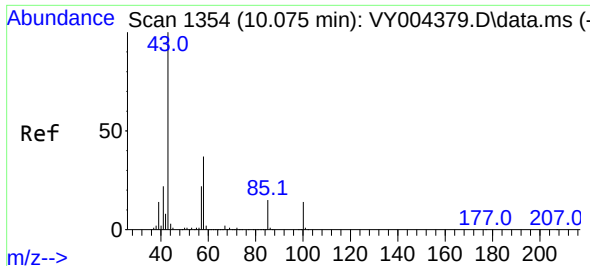


#50
Toluene-d8
Concen: 49.25 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08



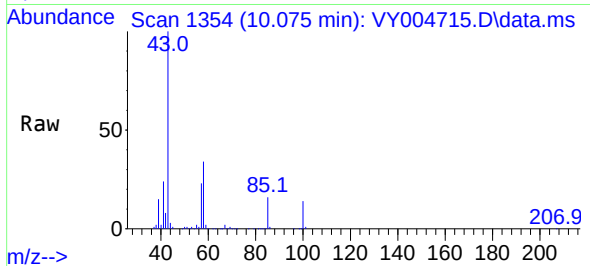
Tgt Ion: 98 Resp: 316536
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6





#51
4-Methyl-2-Pentanone
Concen: 69.80 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

Instrument :
MSVOA_Y
ClientSampled :
31069

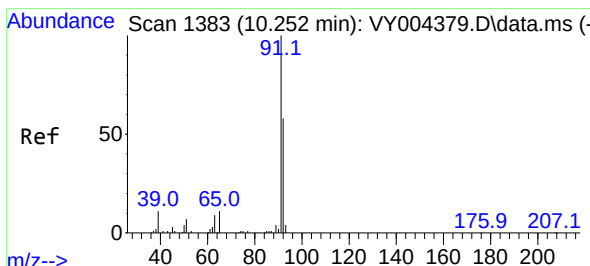
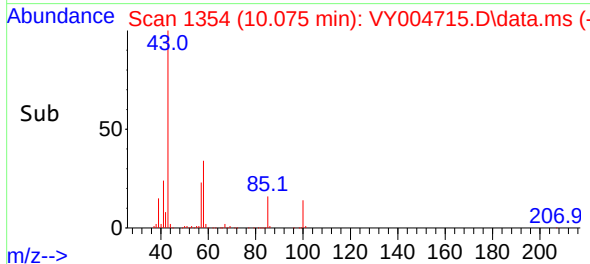
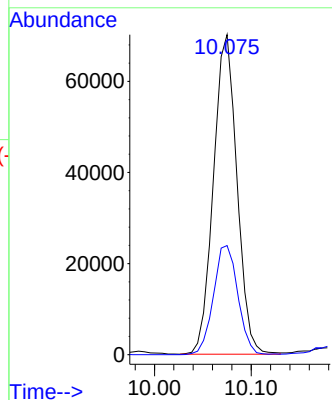


Tgt Ion: 43 Resp: 118424
Ion Ratio Lower Upper
43 100
58 35.5 29.2 43.8

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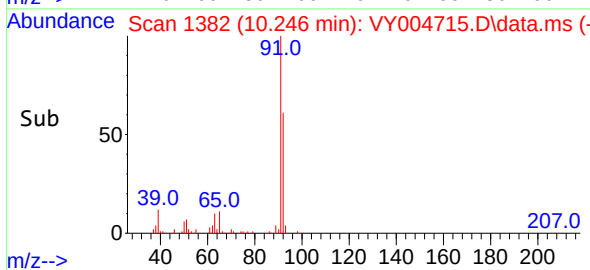
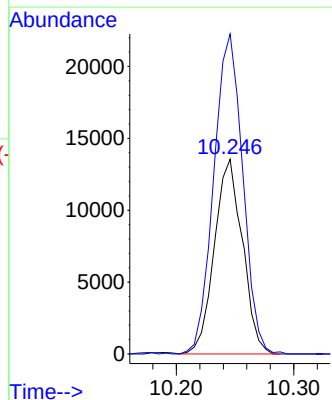
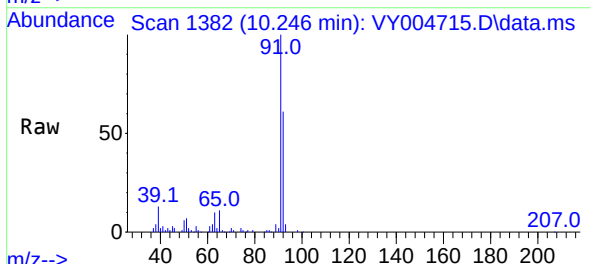
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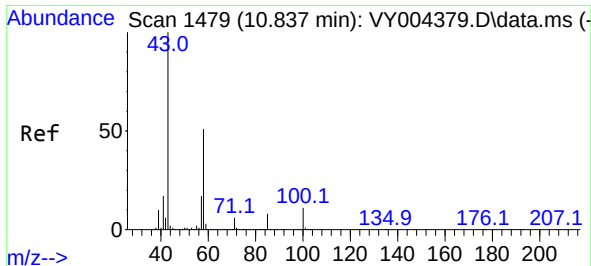
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#52
Toluene
Concen: 4.58 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

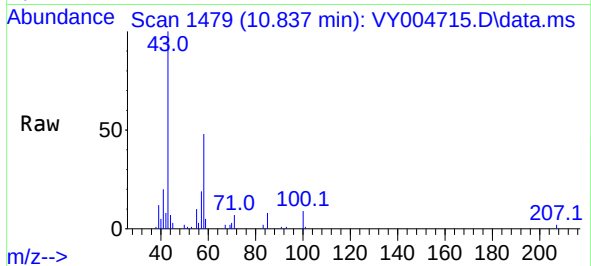
Tgt Ion: 92 Resp: 22510
Ion Ratio Lower Upper
92 100
91 169.7 137.8 206.6





#59
2-Hexanone
Concen: 10.40 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

Instrument :
MSVOA_Y
ClientSampled :
31069

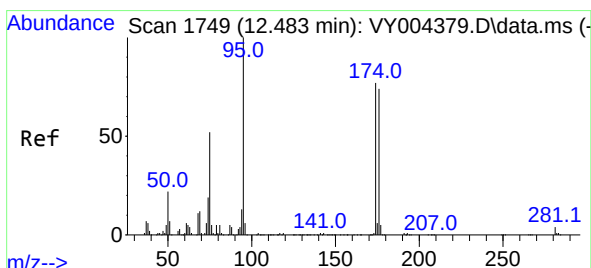
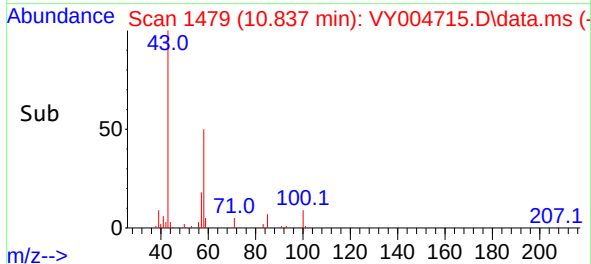
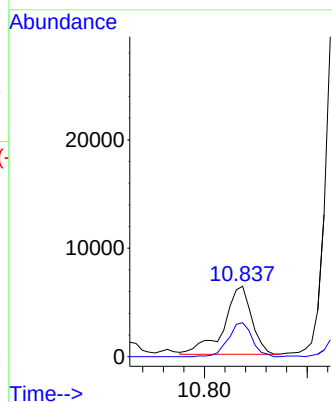


Tgt Ion: 43 Resp: 11831
Ion Ratio Lower Upper
43 100
58 42.9 25.4 76.4

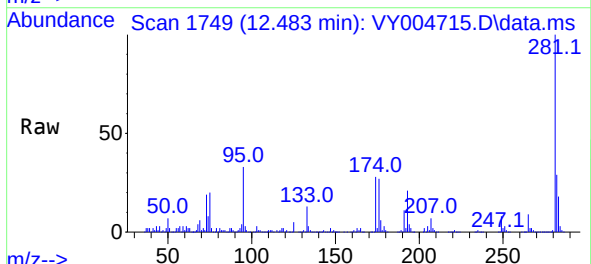
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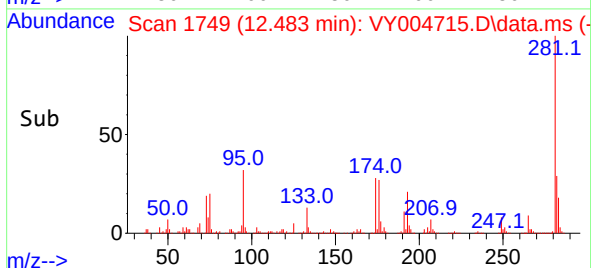
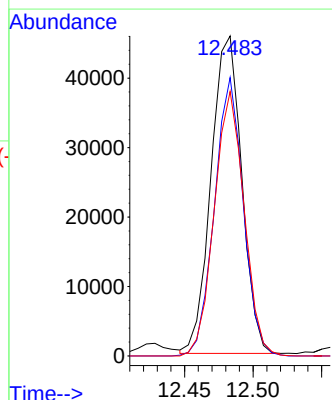
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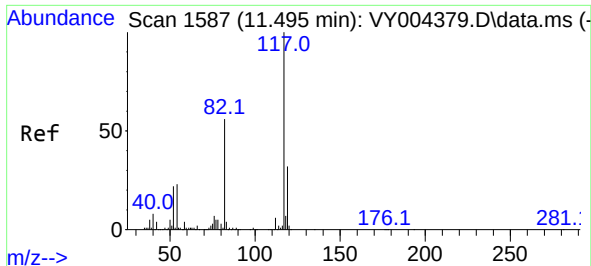


#62
4-Bromofluorobenzene
Concen: 32.60 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08



Tgt Ion: 95 Resp: 71096
Ion Ratio Lower Upper
95 100
174 82.2 0.0 162.4
176 81.0 0.0 156.0





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

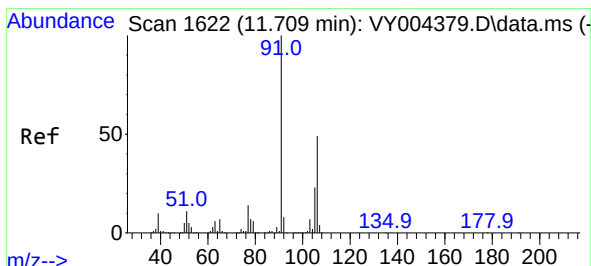
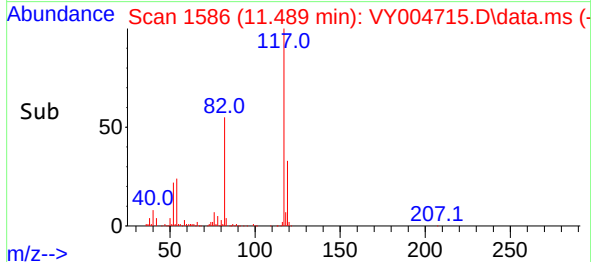
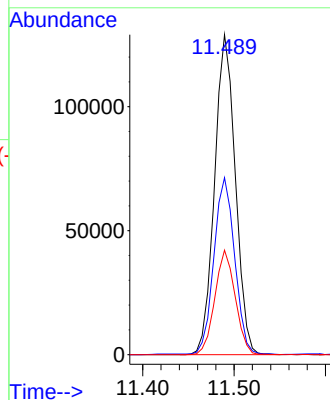
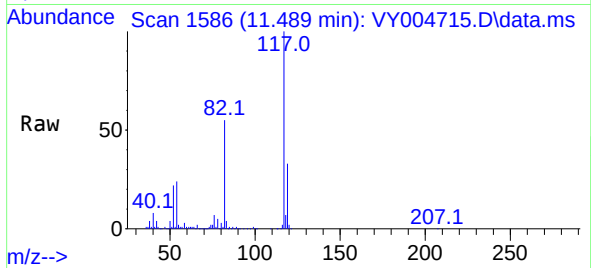
Tgt Ion:117 Resp: 203915
Ion Ratio Lower Upper
117 100
82 55.2 44.9 67.3
119 32.6 25.4 38.0

Instrument :
MSVOA_Y
ClientSampleId :
31069

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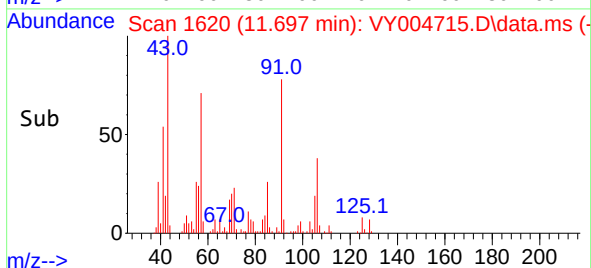
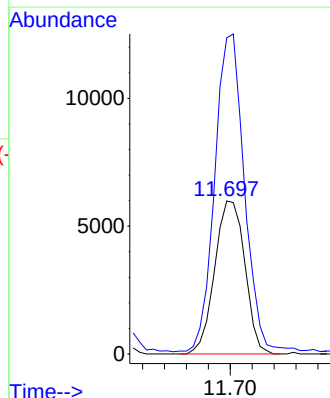
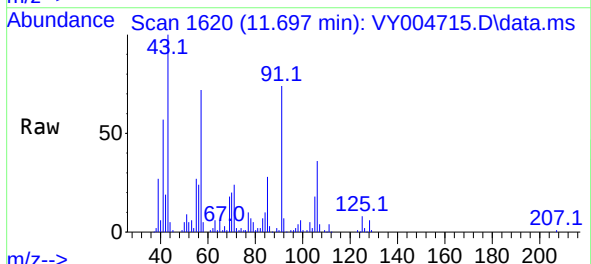
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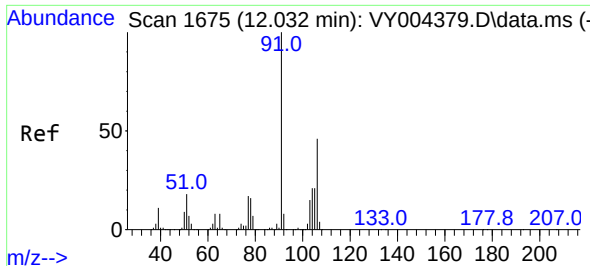
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#68
m/p-Xylenes
Concen: 3.95 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.012 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

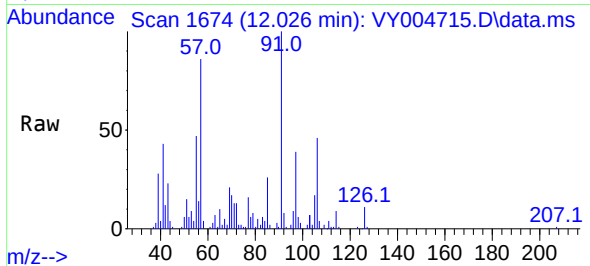
Tgt Ion:106 Resp: 11422
Ion Ratio Lower Upper
106 100
91 211.6 163.2 244.8





#69
o-Xylene
Concen: 3.53 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

Instrument :
MSVOA_Y
ClientSampled :
31069

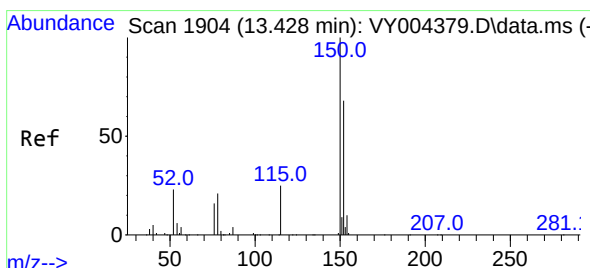
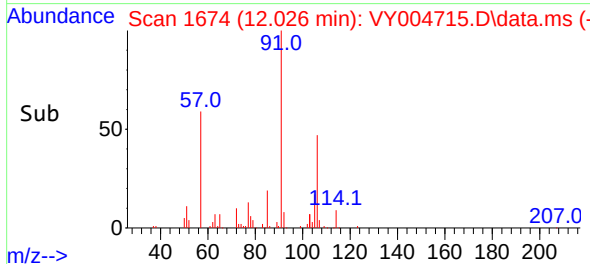
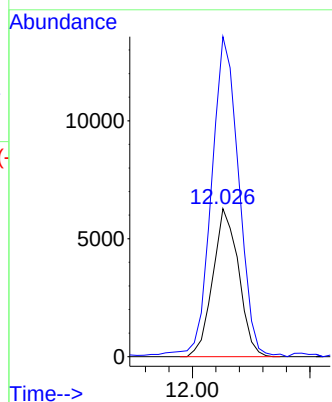


Tgt Ion:106 Resp: 9569
Ion Ratio Lower Upper
106 100
91 229.1 107.4 322.2

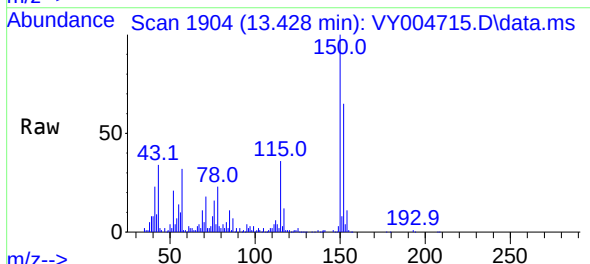
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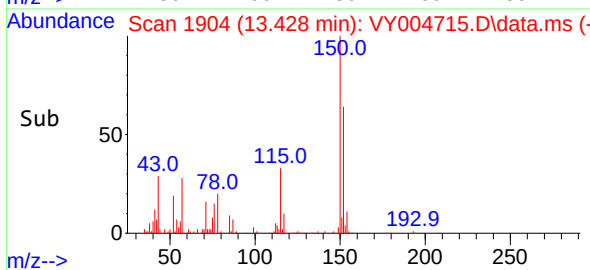
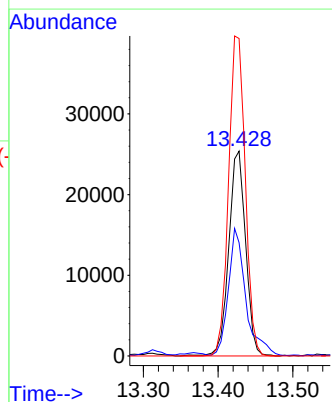
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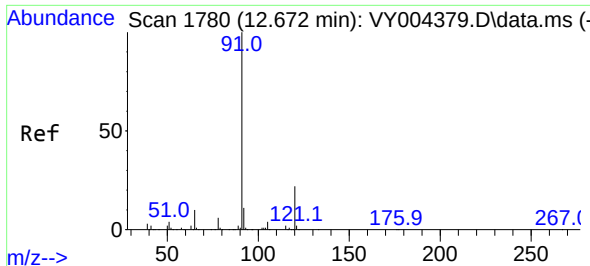


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08



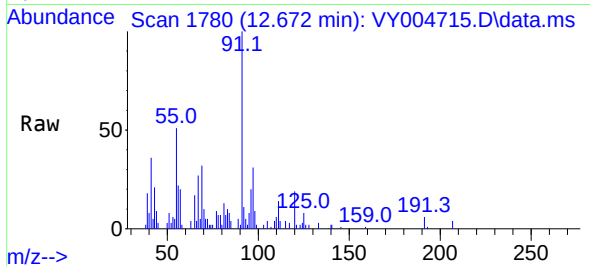
Tgt Ion:152 Resp: 39818
Ion Ratio Lower Upper
152 100
115 63.9 29.6 88.8
150 154.5 0.0 348.4





#78
n-propylbenzene
Concen: 1.88 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

Instrument :
MSVOA_Y
ClientSampled :
31069

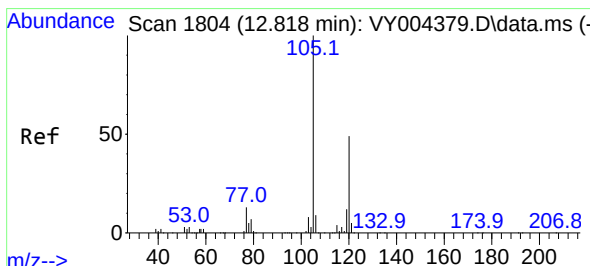
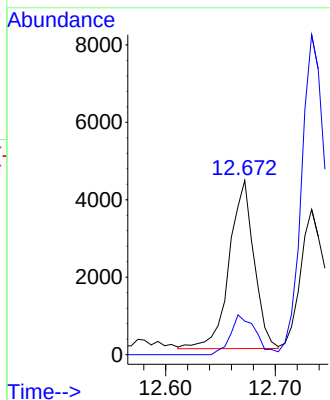
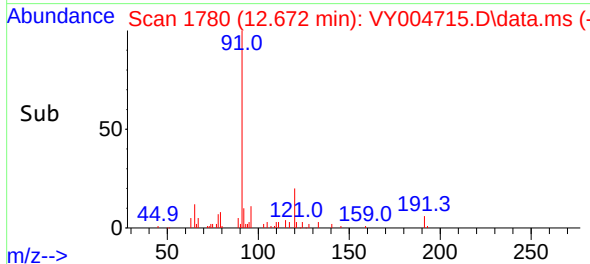


Tgt Ion: 91 Resp: 6822
Ion Ratio Lower Upper
91 100
120 23.9 11.5 34.4

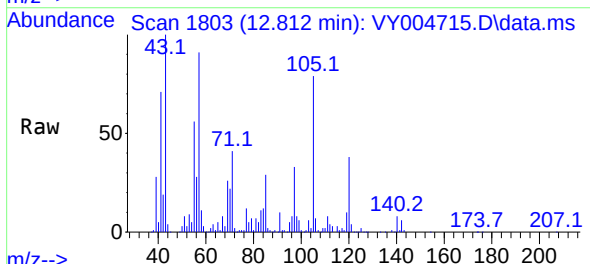
Manual Integrations
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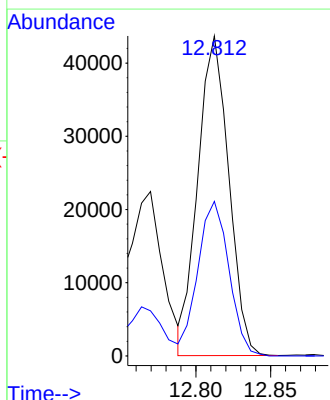
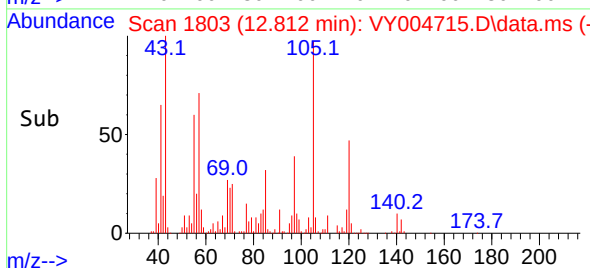
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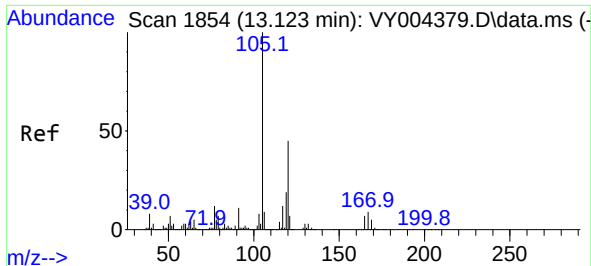


#80
1,3,5-Trimethylbenzene
Concen: 25.05 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08



Tgt Ion: 105 Resp: 62645
Ion Ratio Lower Upper
105 100
120 48.8 24.6 74.0





#84
1,2,4-Trimethylbenzene
Concen: 21.12 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

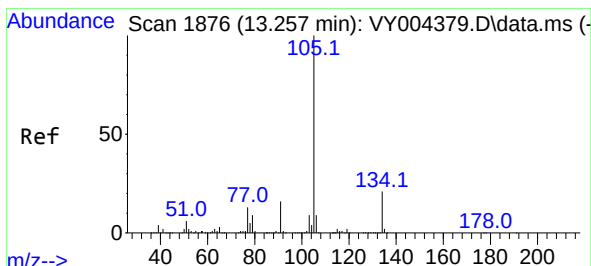
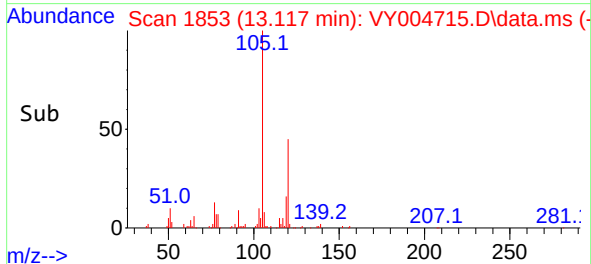
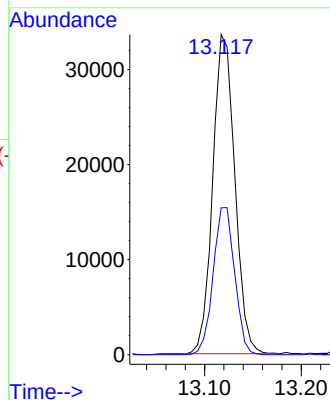
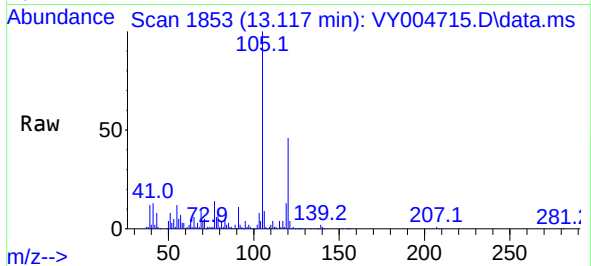
Tgt Ion:105 Resp: 53295
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.3

Instrument :
MSVOA_Y
ClientSampled :
31069

Manual Integrations
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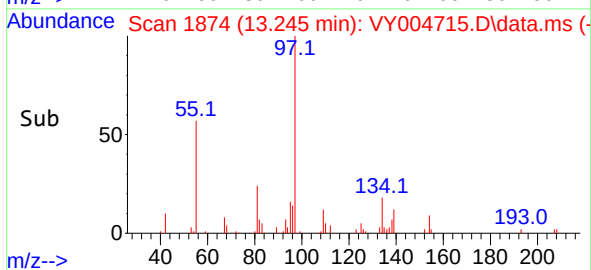
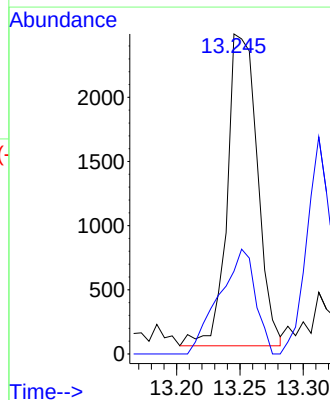
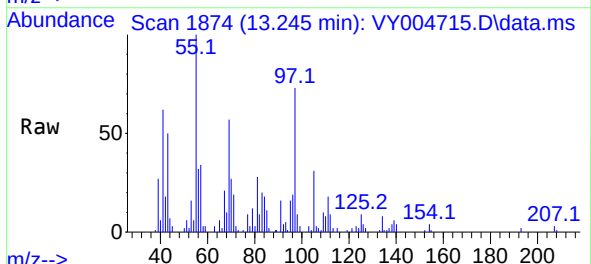
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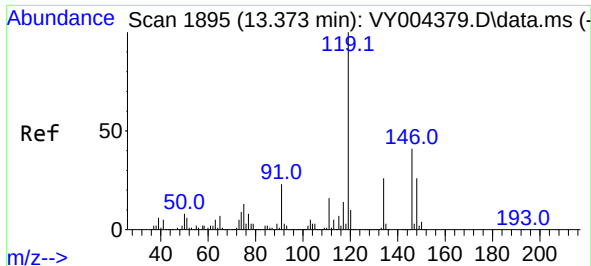
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#85
sec-Butylbenzene
Concen: 1.35 ug/l
RT: 13.245 min Scan# 1874
Delta R.T. -0.012 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

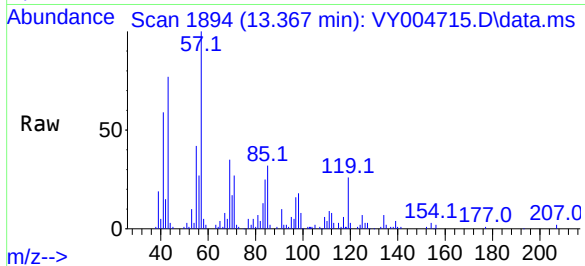
Tgt Ion:105 Resp: 4035
Ion Ratio Lower Upper
105 100
134 40.2 10.1 30.3#





#86
p-Isopropyltoluene
Concen: 2.01 ug/l m
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

Instrument :
MSVOA_Y
ClientSampled :
31069

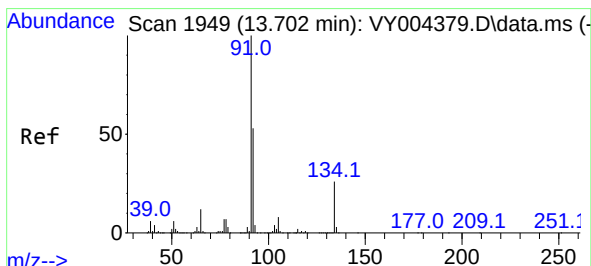
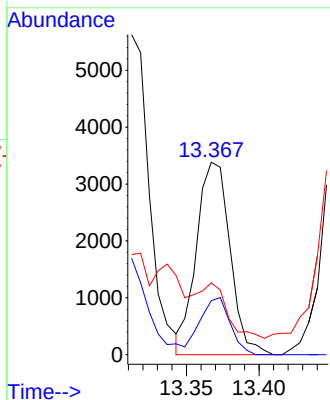
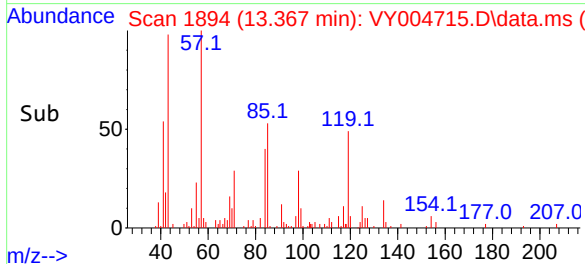


Tgt Ion: 119 Resp: 5453
Ion Ratio Lower Upper
119 100
134 45.2 13.3 39.8#
91 47.6 11.9 35.7#

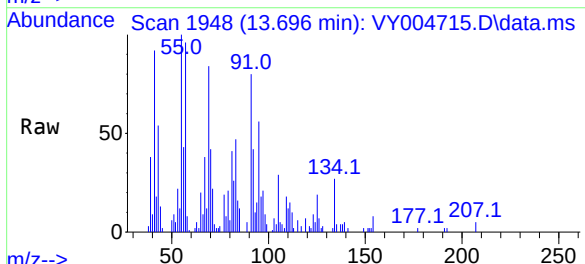
Manual Integrations
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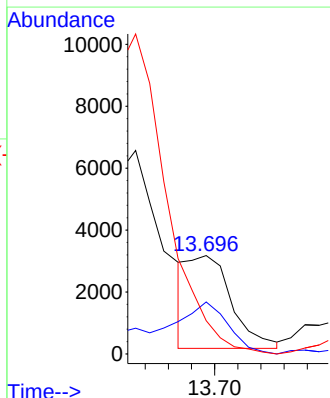
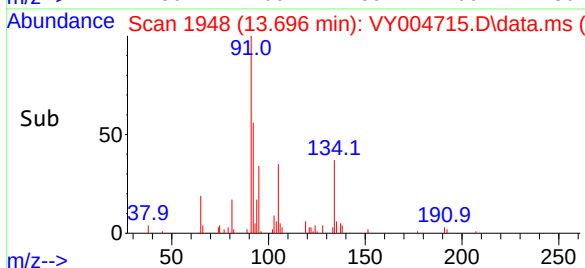
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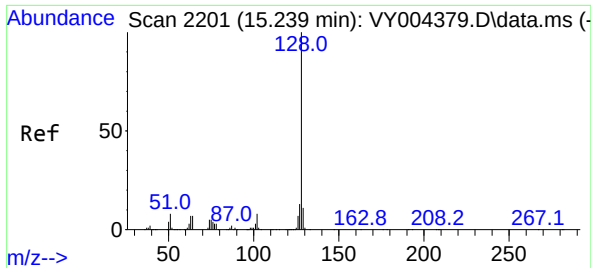


#89
n-Butylbenzene
Concen: 1.52 ug/l m
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08



Tgt Ion: 91 Resp: 3935
Ion Ratio Lower Upper
91 100
92 0.0 26.6 79.8#
134 476.2 12.7 38.1#





#95
Naphthalene
Concen: 6.63 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004715.D
Acq: 04 May 2021 15:08

Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.2	10.2	15.2#
129	12.2	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
31069

Manual Integrations
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