

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004358.D
 Acq On : 09 Apr 2021 15:22
 Operator : SY/MD
 Sample : M1983-01
 Misc : 2.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 41018

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 2:49:03 PM

Quant Time: Apr 10 02:51:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.825	168	153351	50.00	ug/l	# 0.02
34) 1,4-Difluorobenzene	8.715	114	307355	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.501	117	265096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	118606	50.00	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	112184	76.10	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.20%			
35) Dibromofluoromethane	7.752	113	22168	12.94	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 25.88%#			
50) Toluene-d8	10.233	98	341788	53.06	ug/l	0.05
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.12%			
62) 4-Bromofluorobenzene	12.489	95	163904	74.25	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 148.50%#			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	2091	1.17	ug/l	# 83
11) Tert butyl alcohol	5.033	59	85855	715.70	ug/l	# 71
16) Acetone	3.948	43	146100773m	475696.53	ug/l	
25) 2-Butanone	7.020	43	1871003	3646.65	ug/l	92
31) Cyclohexane	7.813	56	13391102	5139.90	ug/l	# 76
39) Methylcyclohexane	9.203	83	8389260	2414.93	ug/l	94
40) Benzene	8.179	78	13469736	1693.66	ug/l	93
52) Toluene	10.245	92	70367735m	13761.73	ug/l	
64) Tetrachloroethene	10.733	164	19667	7.54	ug/l	93
67) Ethyl Benzene	11.599	91	17809466	1855.03	ug/l	# 77
68) m/p-Xylenes	11.715	106	19645293	5329.15	ug/l	# 1
69) o-Xylene	12.044	106	11393411	3303.17	ug/l	73
73) Isopropylbenzene	12.336	105	3090857	356.71	ug/l	99
78) n-propylbenzene	12.678	91	10723405	1069.64	ug/l	97
80) 1,3,5-Trimethylbenzene	12.824	105	10847891	1534.65	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	22158500m	3125.25	ug/l	
85) sec-Butylbenzene	13.263	105	3124125	371.55	ug/l	84
86) p-Isopropyltoluene	13.379	119	1882875	240.71	ug/l	98
89) n-Butylbenzene	13.702	91	3888730	540.62	ug/l	# 75
95) Naphthalene	15.238	128	827412	161.54	ug/l	99

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

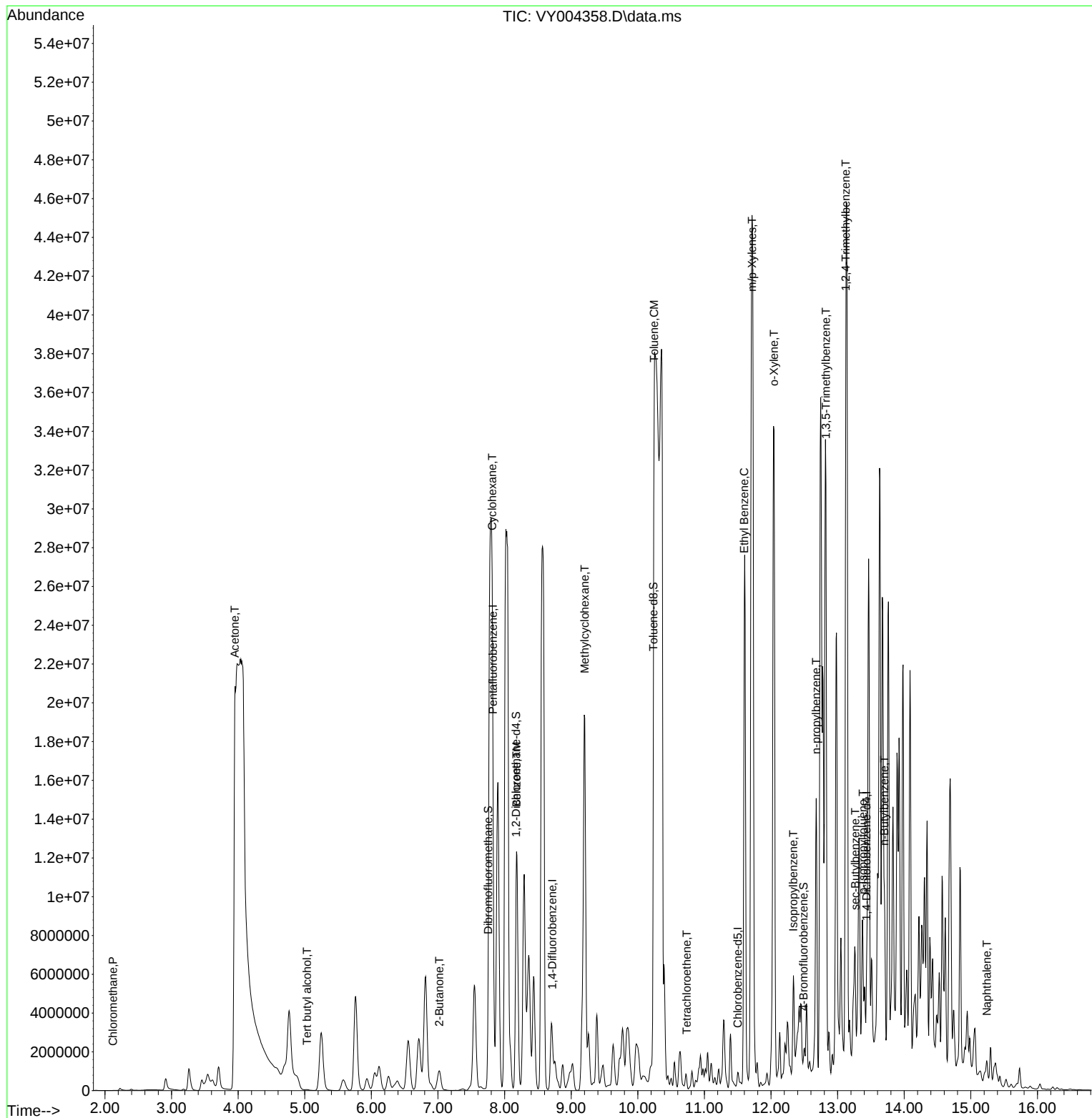
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
Data File : VY004358.D
Acq On : 09 Apr 2021 15:22
Operator : SY/MD
Sample : M1983-01
Misc : 2.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

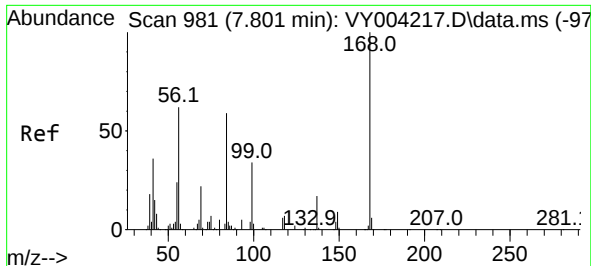
Instrument :
MSVOA_Y
ClientSampleId :
41018

Manual Integrations
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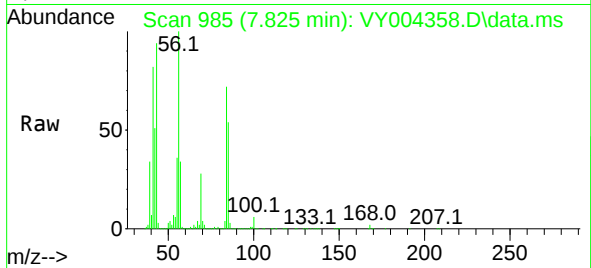
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Quant Time: Apr 10 02:51:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 30 06:38:14 2021
Response via : Initial Calibration

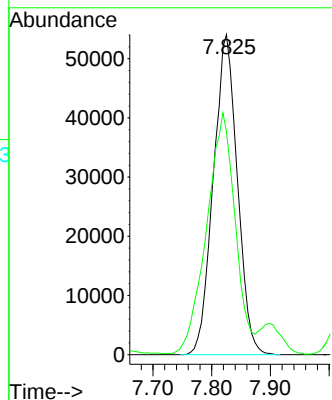




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.825 min Scan# 985
Delta R.T. 0.024 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22



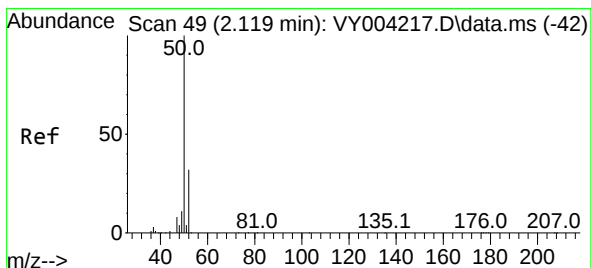
Tgt Ion: 168 Resp: 153351
Ion Ratio Lower Upper
168 100
99 68.0 42.6 64.0#



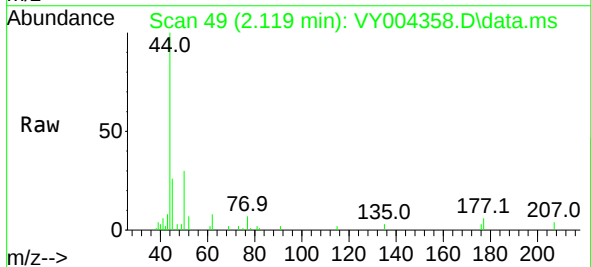
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MSVOA_Y
ClientSampleId :
41018

Manual Integrations
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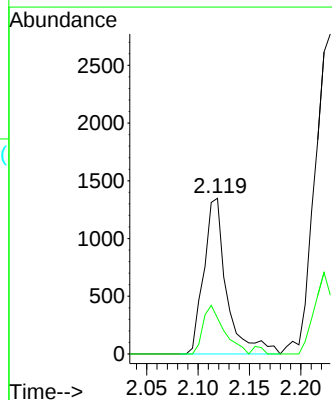
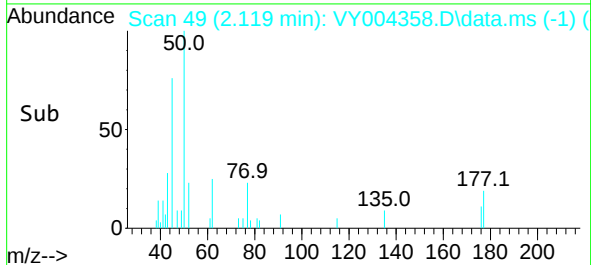
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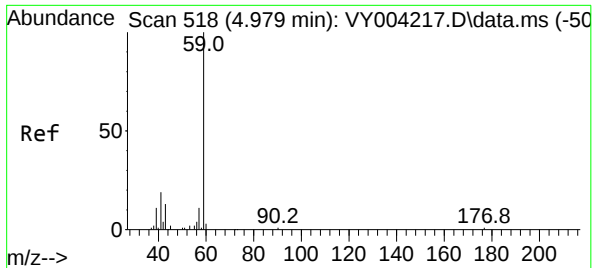


#3
Chloromethane
Concen: 1.17 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

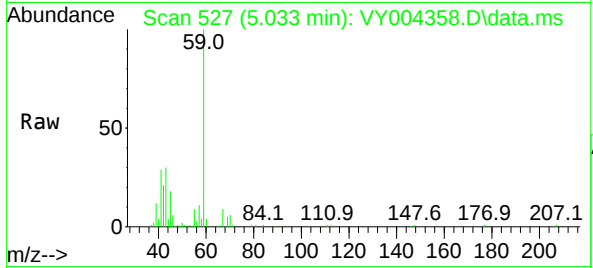


Tgt Ion: 50 Resp: 2091
Ion Ratio Lower Upper
50 100
52 23.1 25.9 38.9#

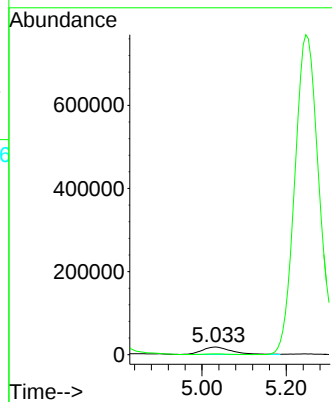




#11
Tert butyl alcohol
Concen: 715.70 ug/l
RT: 5.033 min Scan# 527
Delta R.T. 0.054 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22



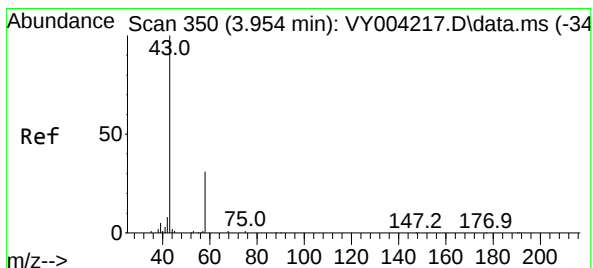
Tgt Ion: 59 Resp: 85855
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



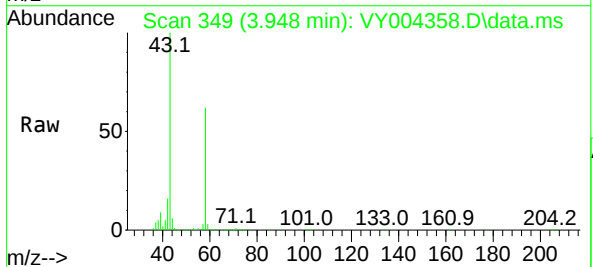
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MSVOA_Y
ClientSampleId :
41018

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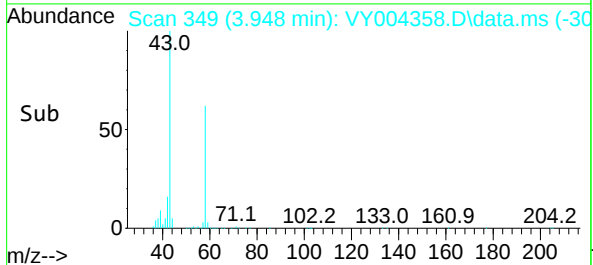
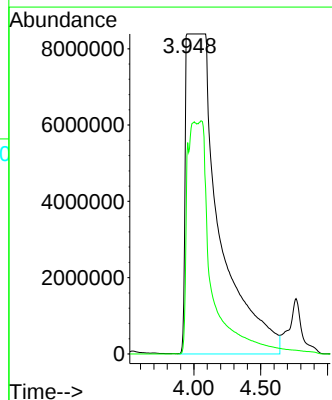
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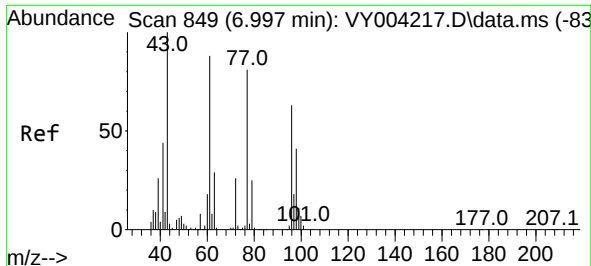


#16
Acetone
Concen: 475696.53 ug/l m
RT: 3.948 min Scan# 349
Delta R.T. -0.007 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22



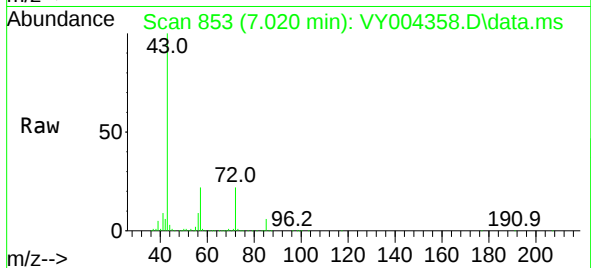
Tgt Ion: 43 Resp:146100773
Ion Ratio Lower Upper
43 100
58 61.8 24.5 36.7#





#25
2-Butanone
Concen: 3646.65 ug/l
RT: 7.020 min Scan# 853
Delta R.T. 0.024 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

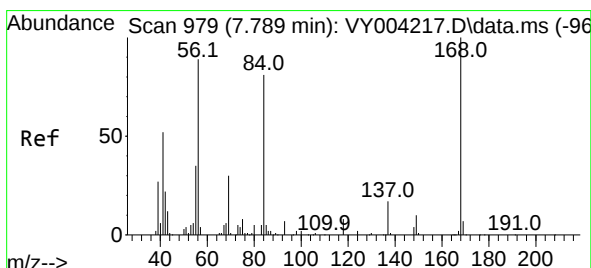
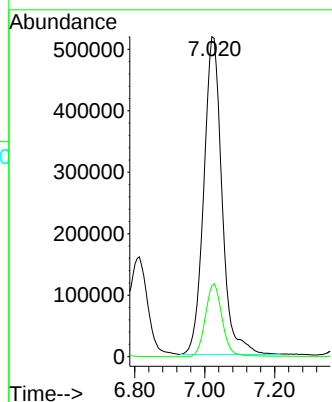
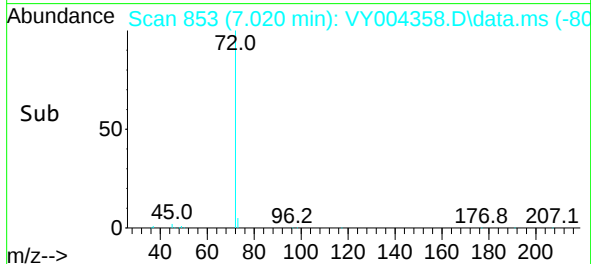
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MSVOA_Y
ClientSampleId :
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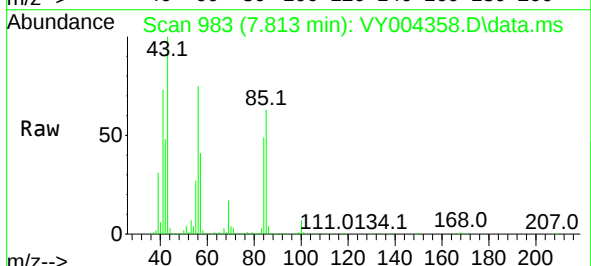
Tgt Ion: 43 Resp: 1871003
Ion Ratio Lower Upper
43 100
72 22.3 21.0 31.6

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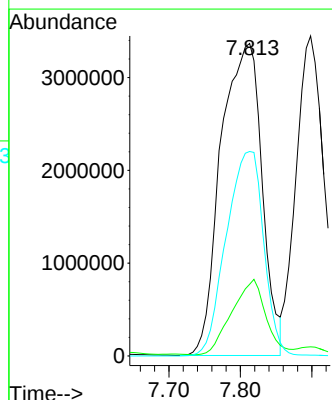
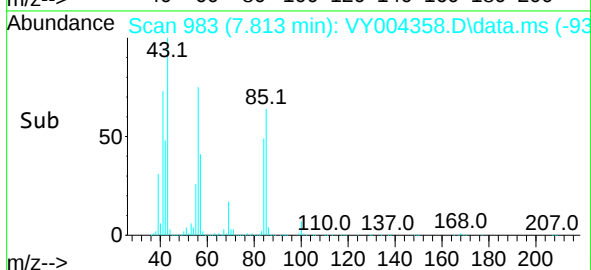
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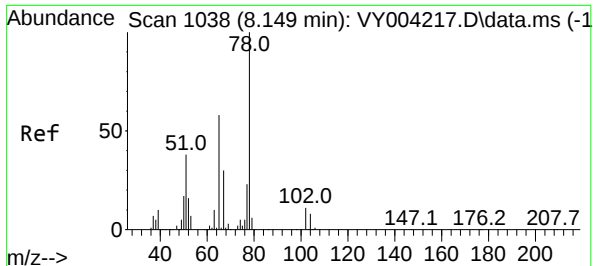


#31
Cyclohexane
Concen: 5139.90 ug/l
RT: 7.813 min Scan# 983
Delta R.T. 0.024 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22



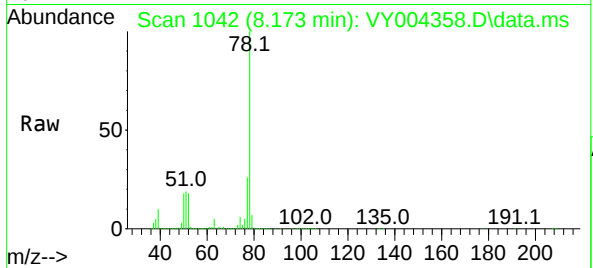
Tgt Ion: 56 Resp:13391102
Ion Ratio Lower Upper
56 100
69 22.4 26.6 40.0#
84 65.6 72.3 108.5#





#33
 1,2-Dichloroethane-d4
 Concen: 76.10 ug/l
 RT: 8.173 min Scan# 1042
 Delta R.T. 0.024 min
 Lab File: VY004358.D
 Acq: 09 Apr 2021 15:22

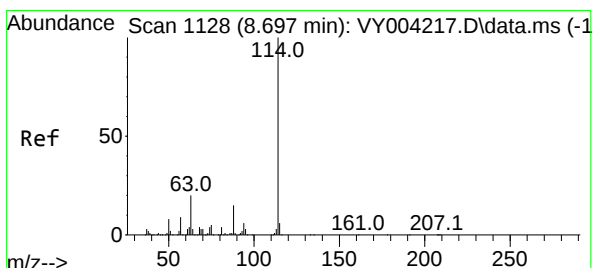
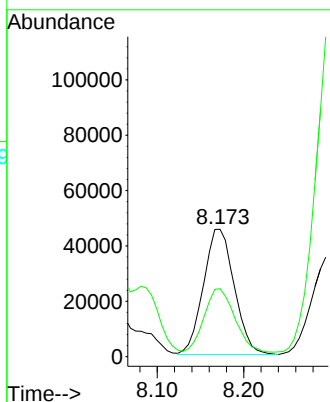
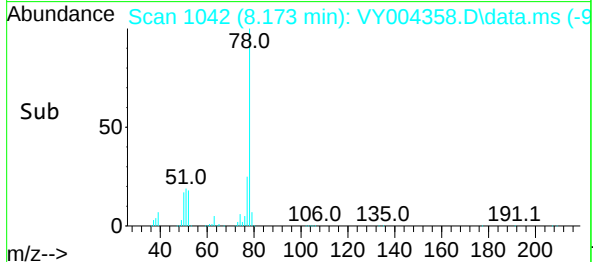
Instrument :
 MSVOA_Y
 ClientSampled :
 41018



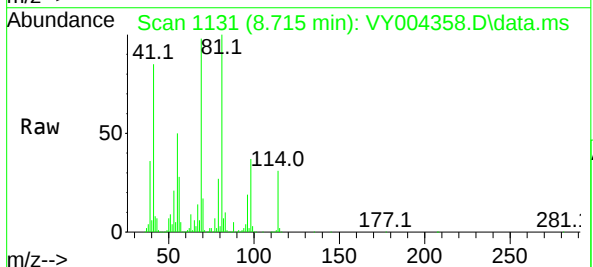
Tgt Ion: 65 Resp: 112184
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 103.2

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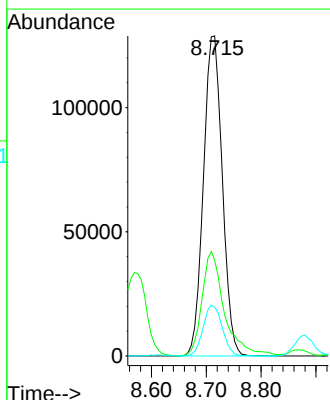
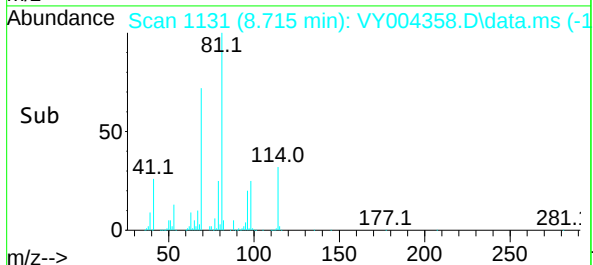
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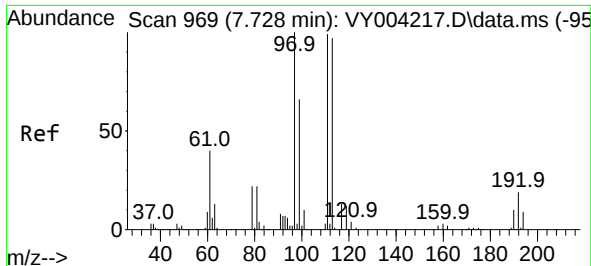


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.715 min Scan# 1131
 Delta R.T. 0.018 min
 Lab File: VY004358.D
 Acq: 09 Apr 2021 15:22

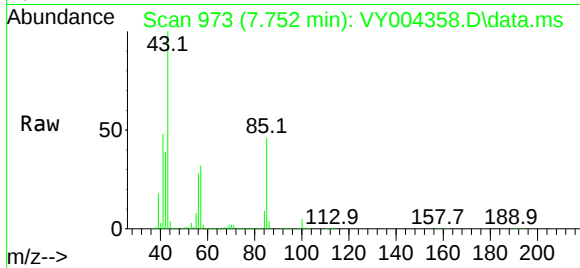


Tgt Ion: 114 Resp: 307355
 Ion Ratio Lower Upper
 114 100
 63 29.8 0.0 40.4
 88 15.2 0.0 30.8



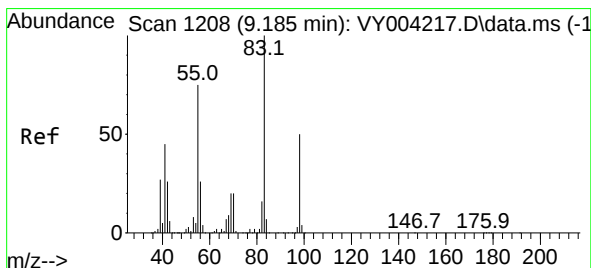
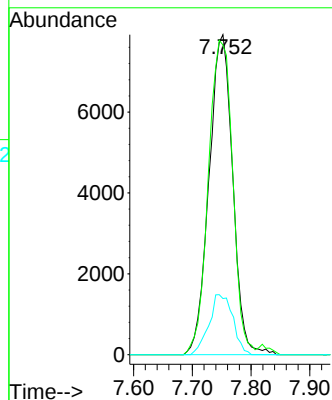
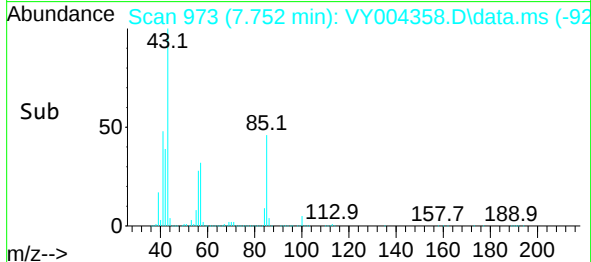


#35
Dibromofluoromethane
Concen: 12.94 ug/l
RT: 7.752 min Scan# 973
Delta R.T. 0.024 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

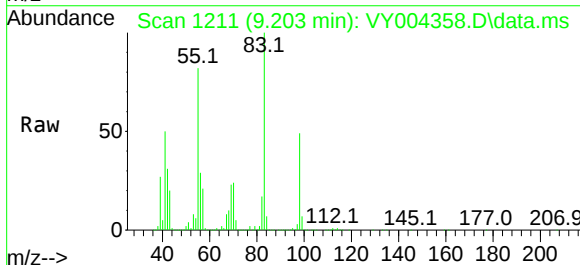


Tgt Ion: 113 Resp: 22168

Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.6	124.0
192	18.9	16.4	24.6

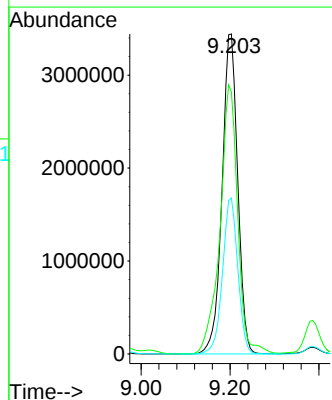
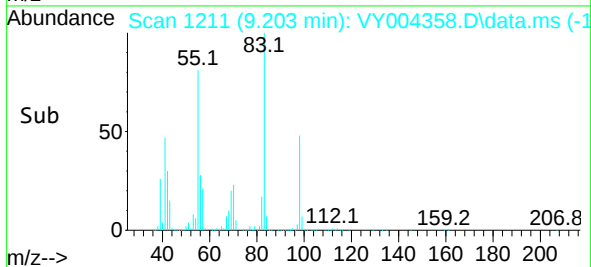


#39
Methylcyclohexane
Concen: 2414.93 ug/l
RT: 9.203 min Scan# 1211
Delta R.T. 0.018 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22



Tgt Ion: 83 Resp: 8389260

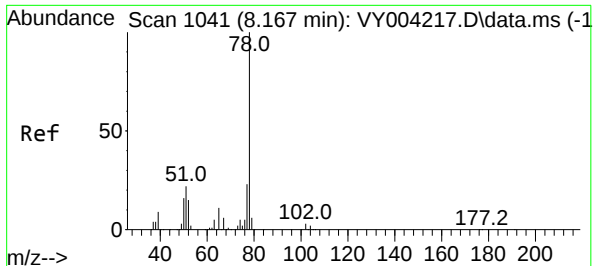
Ion	Ratio	Lower	Upper
83	100		
55	81.9	60.0	90.0
98	48.7	40.2	60.2



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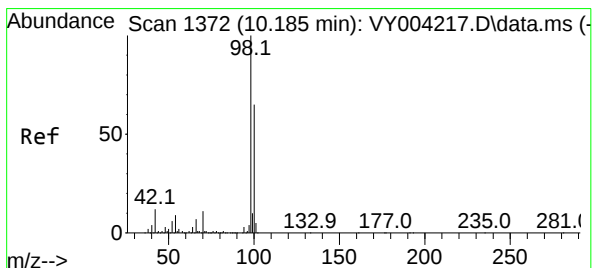
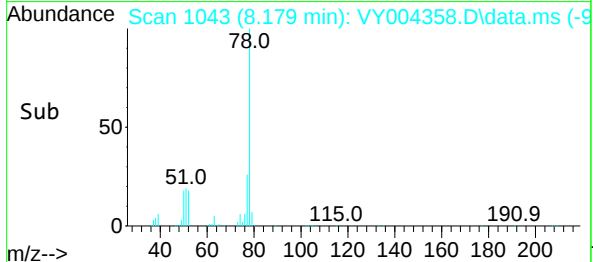
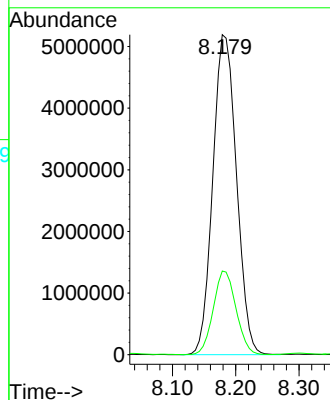
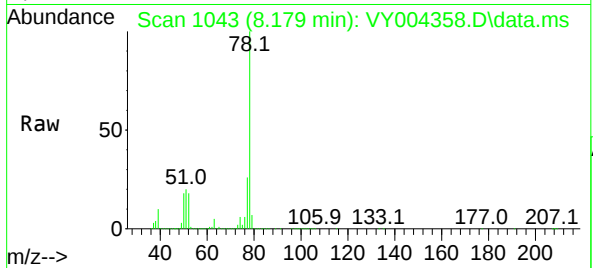
#40
Benzene
Concen: 1693.66 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

Tgt Ion: 78 Resp: 13469736
Ion Ratio Lower Upper
78 100
77 26.1 18.3 27.5

Instrument :
MSVOA_Y
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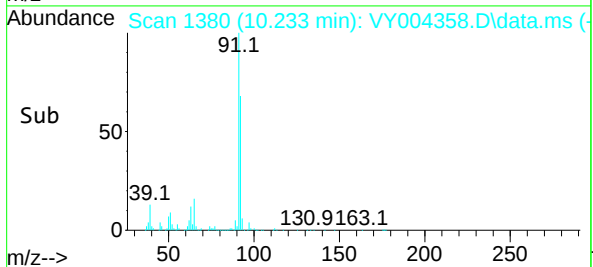
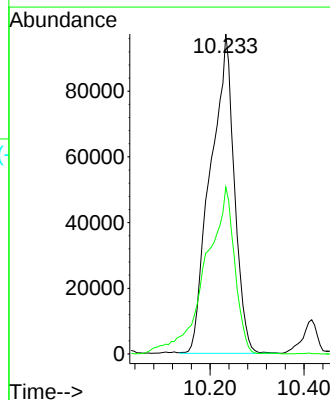
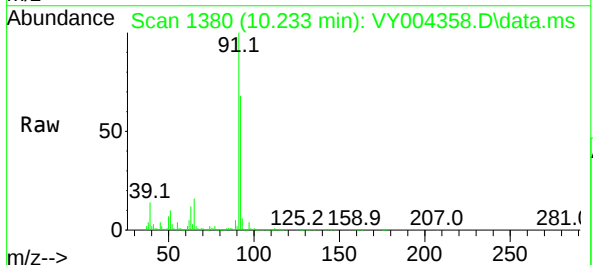
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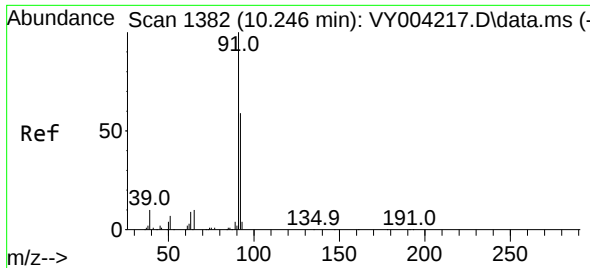
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#50
Toluene-d8
Concen: 53.06 ug/l
RT: 10.233 min Scan# 1380
Delta R.T. 0.048 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

Tgt Ion: 98 Resp: 341788
Ion Ratio Lower Upper
98 100
100 63.9 52.5 78.7





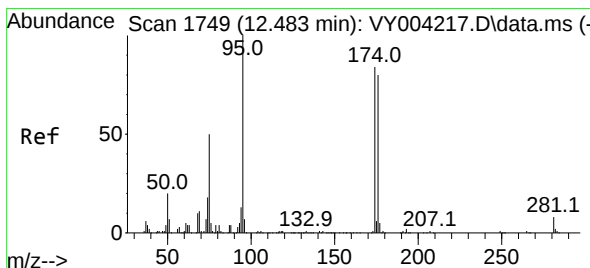
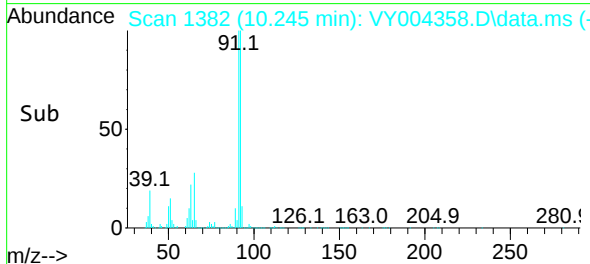
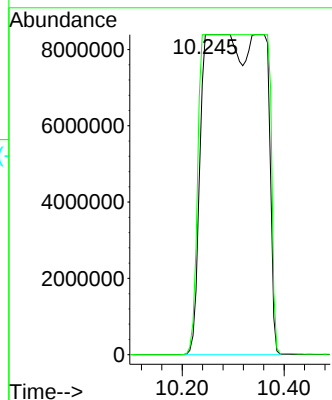
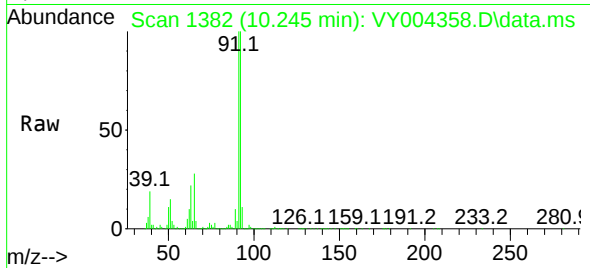
#52
Toluene
Concen: 13761.73 ug/l m
RT: 10.245 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

Tgt Ion: 92 Resp: 70367735
Ion Ratio Lower Upper
92 100
91 0.0 136.0 204.0#

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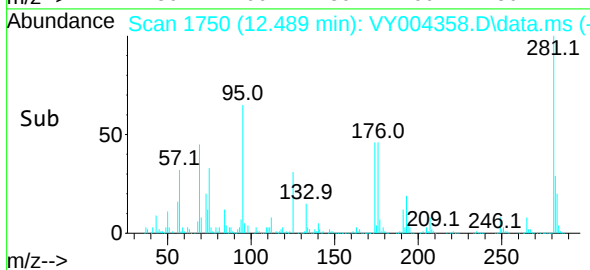
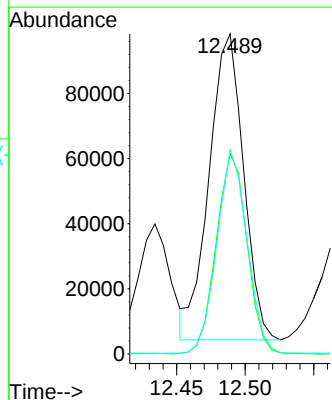
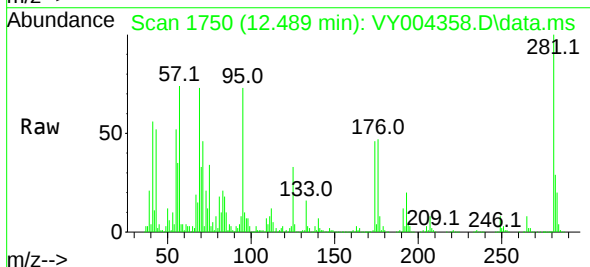
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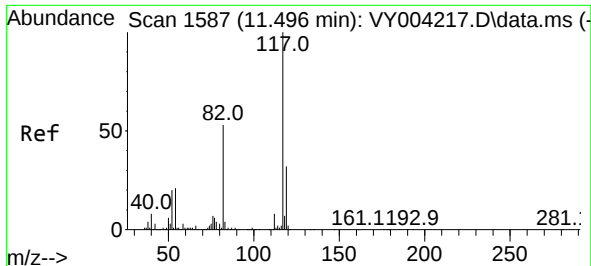
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#62
4-Bromofluorobenzene
Concen: 74.25 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

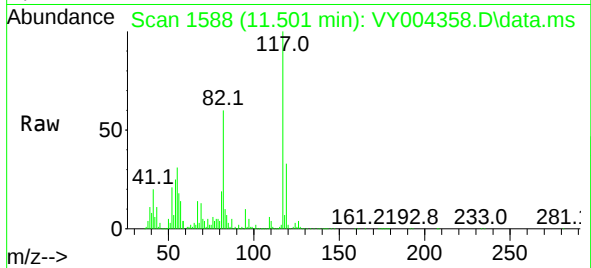
Tgt Ion: 95 Resp: 163904
Ion Ratio Lower Upper
95 100
174 58.6 0.0 171.4
176 58.3 0.0 165.6





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.501 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

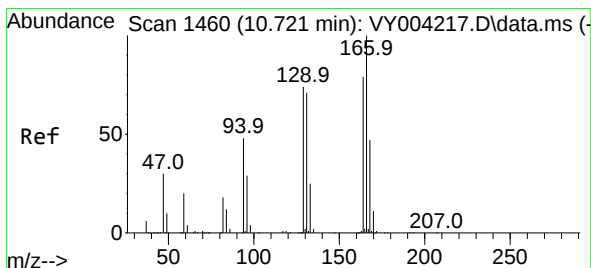
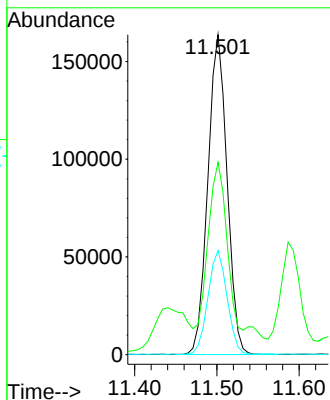
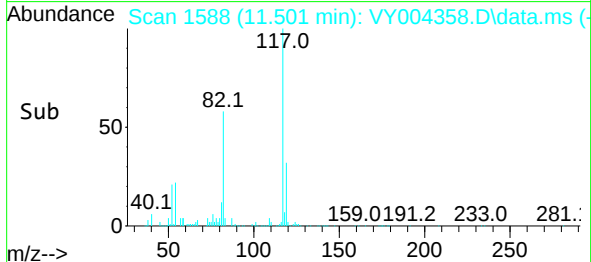
Instrument :
MSVOA_Y
ClientSampled :
41018



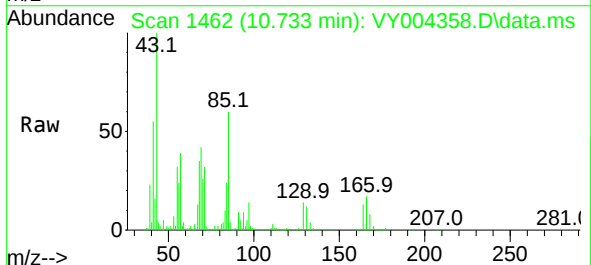
Tgt Ion:117 Resp: 265096
Ion Ratio Lower Upper
117 100
82 47.0 42.7 64.1
119 32.5 25.7 38.5

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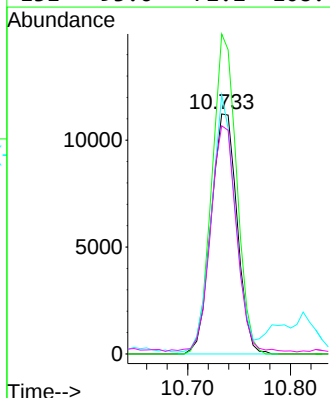
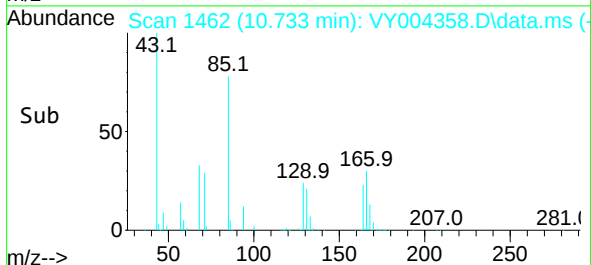
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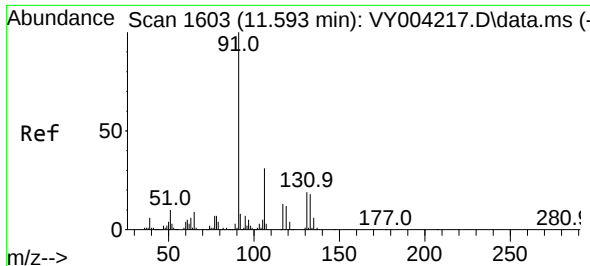


#64
Tetrachloroethene
Concen: 7.54 ug/l
RT: 10.733 min Scan# 1462
Delta R.T. 0.012 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22



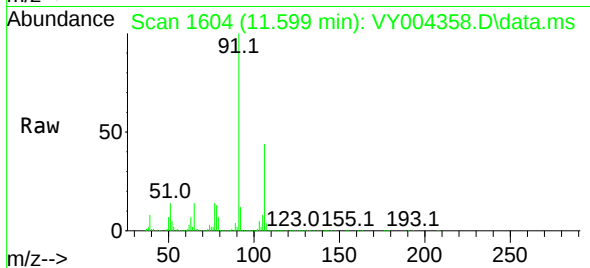
Tgt Ion:164 Resp: 19667
Ion Ratio Lower Upper
164 100
166 133.3 101.3 151.9
129 107.1 75.3 112.9
131 93.6 72.2 108.4





#67
Ethyl Benzene
Concen: 1855.03 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

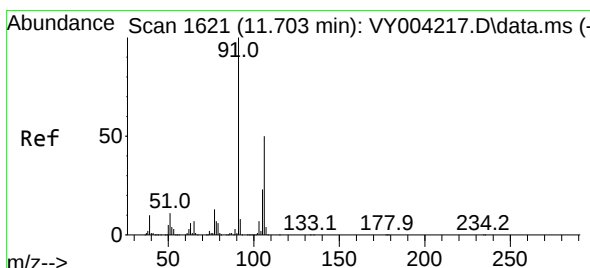
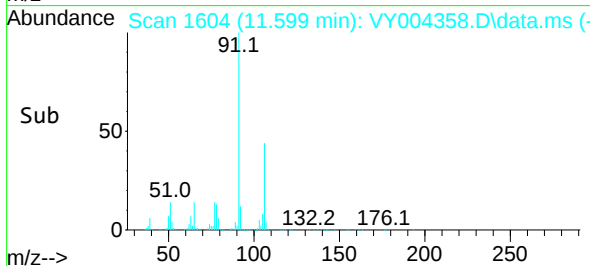
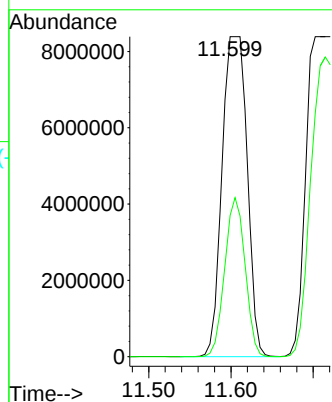
Instrument :
MSVOA_Y
ClientSampled :
41018



Tgt Ion: 91 Resp:17809466
Ion Ratio Lower Upper
91 100
106 44.2 25.0 37.6#

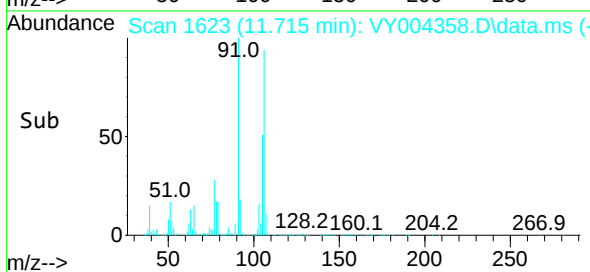
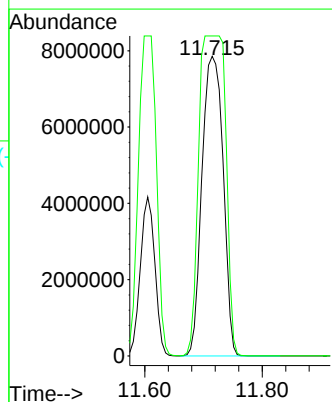
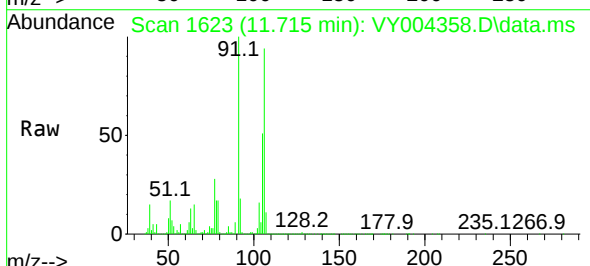
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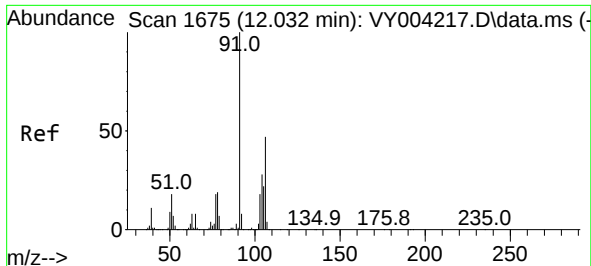
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#68
m/p-Xylenes
Concen: 5329.15 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.012 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

Tgt Ion:106 Resp:19645293
Ion Ratio Lower Upper
106 100
91 0.0 159.8 239.6#





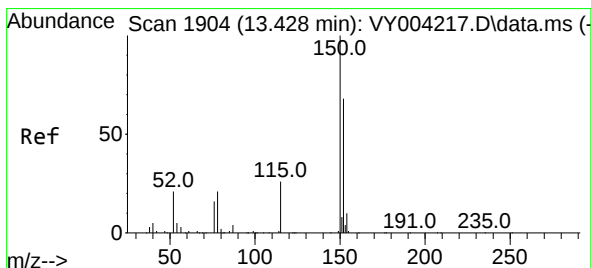
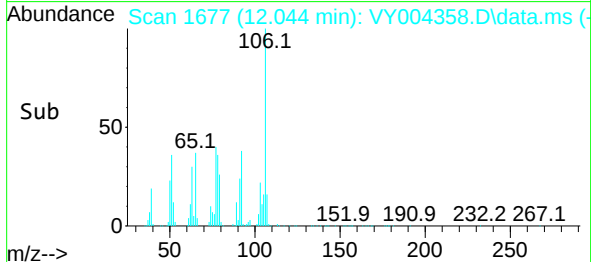
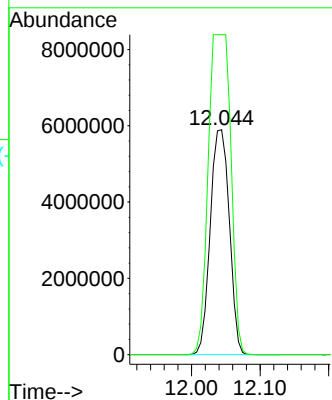
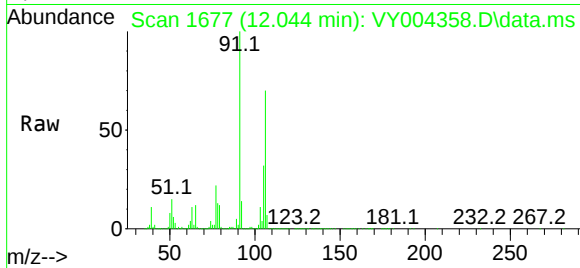
#69
o-Xylene
Concen: 3303.17 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.012 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

Tgt Ion:106 Resp:11393411
Ion Ratio Lower Upper
106 100
91 168.8 105.6 316.8

Instrument :
MSVOA_Y
ClientSampled :
41018

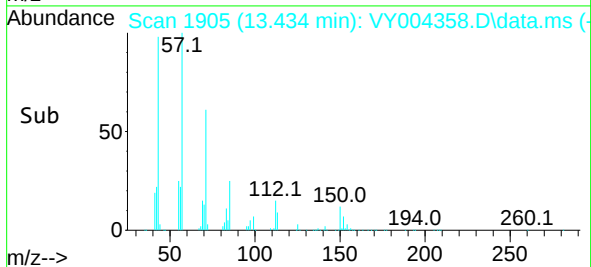
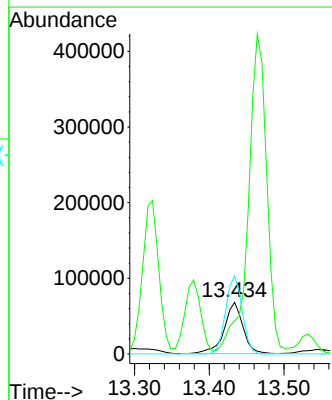
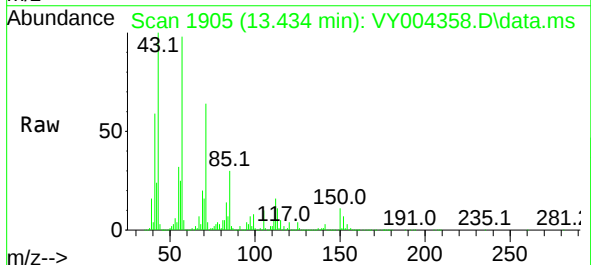
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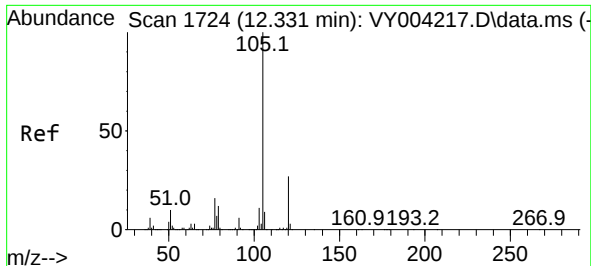
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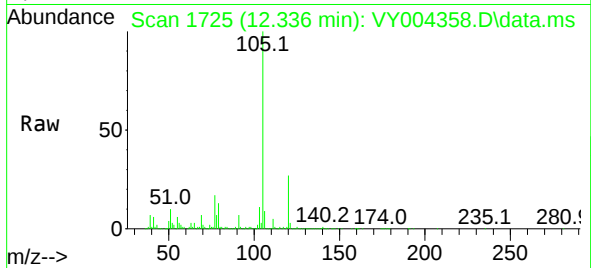
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22

Tgt Ion:152 Resp: 118606
Ion Ratio Lower Upper
152 100
115 0.0 29.0 87.1#
150 133.7 0.0 347.4

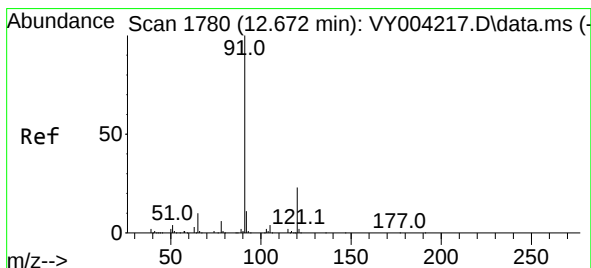
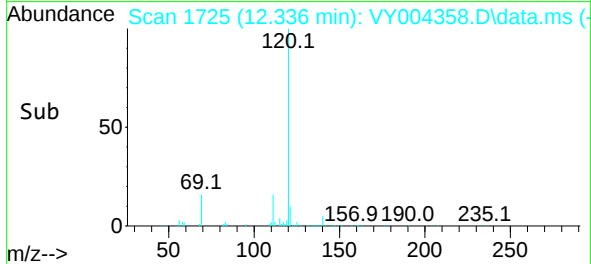
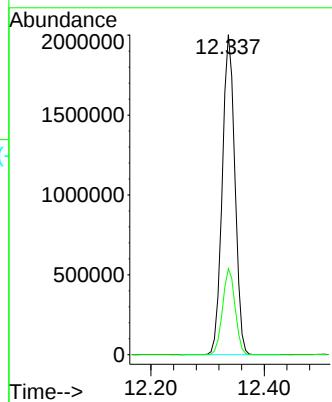




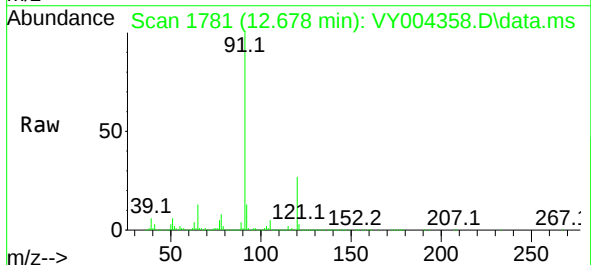
#73
Isopropylbenzene
Concen: 356.71 ug/l
RT: 12.336 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22



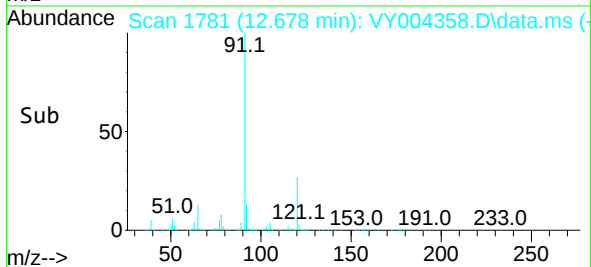
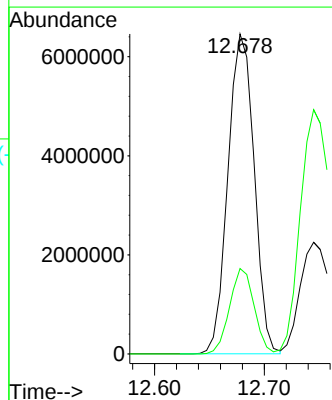
Tgt Ion: 105 Resp: 3090857
Ion Ratio Lower Upper
105 100
120 26.7 13.7 41.0



#78
n-propylbenzene
Concen: 1069.64 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22



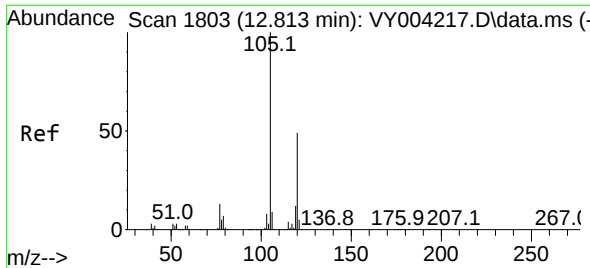
Tgt Ion: 91 Resp: 10723405
Ion Ratio Lower Upper
91 100
120 24.9 11.9 35.5



Instrument :
MSVOA_Y
ClientSampled :
41018

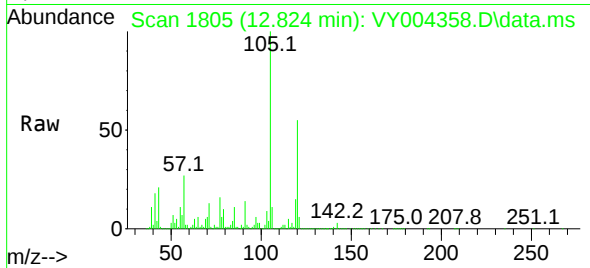
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#80
 1,3,5-Trimethylbenzene
 Concen: 1534.65 ug/l
 RT: 12.824 min Scan# 1805
 Delta R.T. 0.012 min
 Lab File: VY004358.D
 Acq: 09 Apr 2021 15:22

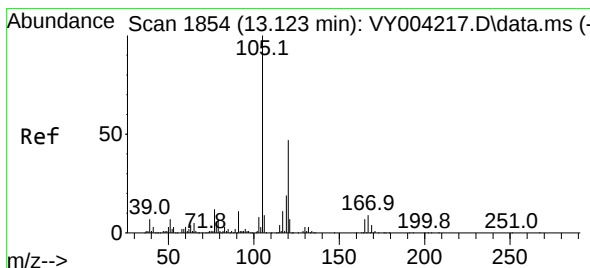
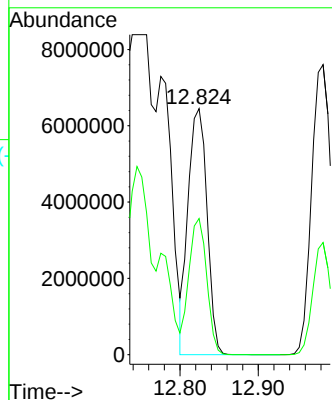
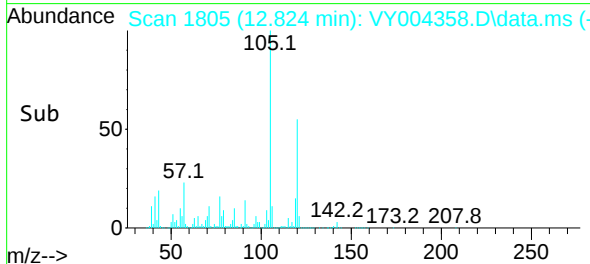
Instrument :
 MSVOA_Y
 ClientSampled :
 41018



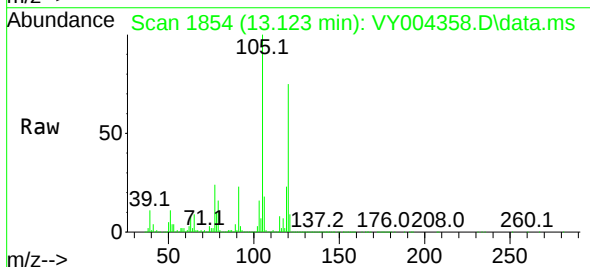
Tgt Ion:105 Resp:10847891
 Ion Ratio Lower Upper
 105 100
 120 52.3 24.9 74.7

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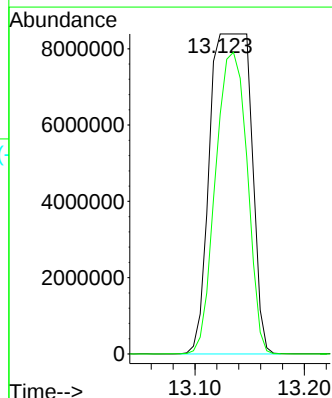
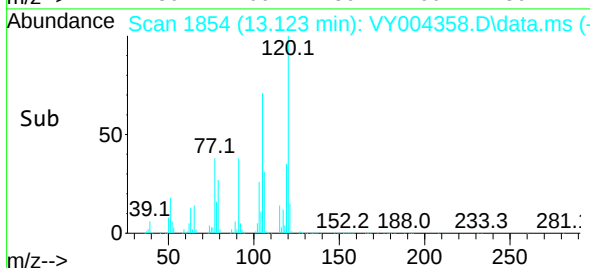
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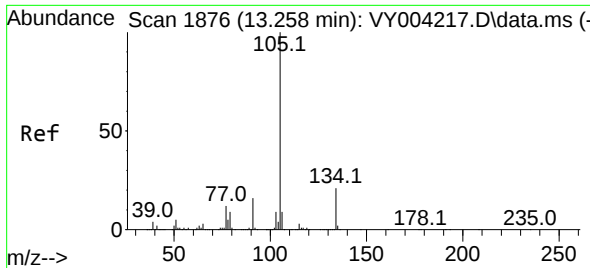


#84
 1,2,4-Trimethylbenzene
 Concen: 3125.25 ug/l m
 RT: 13.123 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: VY004358.D
 Acq: 09 Apr 2021 15:22



Tgt Ion:105 Resp:22158500
 Ion Ratio Lower Upper
 105 100
 120 21.1 22.9 68.7#





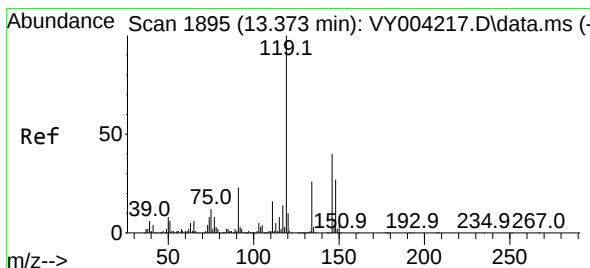
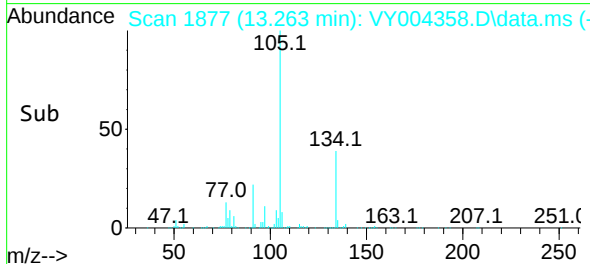
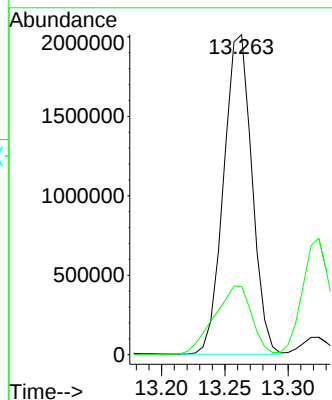
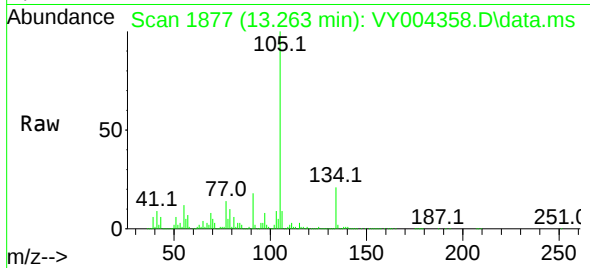
#85
 sec-Butylbenzene
 Concen: 371.55 ug/l
 RT: 13.263 min Scan# 1877
 Delta R.T. 0.006 min
 Lab File: VY004358.D
 Acq: 09 Apr 2021 15:22

Tgt Ion:105 Resp: 3124125
 Ion Ratio Lower Upper
 105 100
 134 28.6 10.4 31.4

Instrument :
 MSVOA_Y
 ClientSampled :
 41018

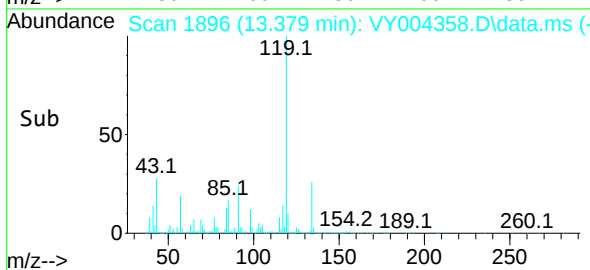
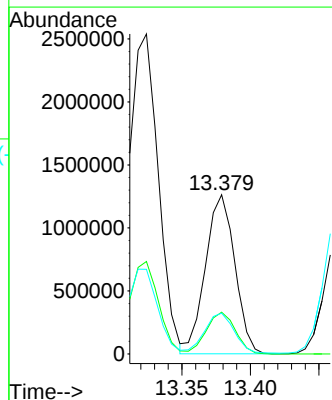
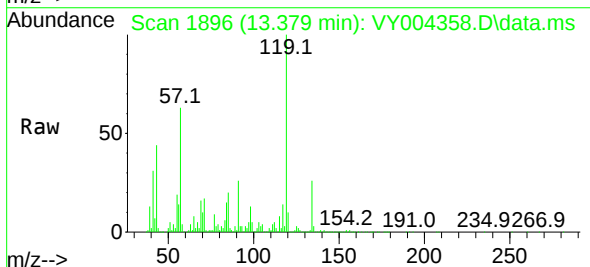
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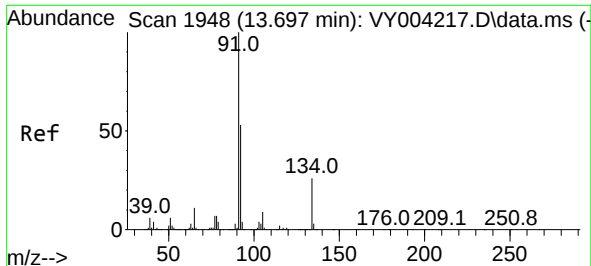
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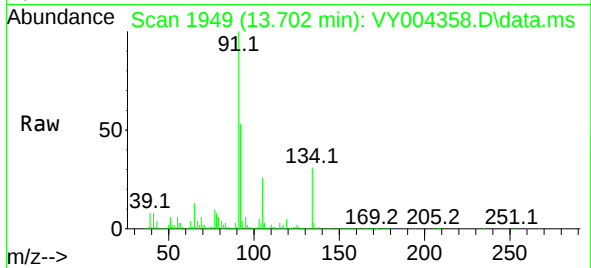
#86
 p-Isopropyltoluene
 Concen: 240.71 ug/l
 RT: 13.379 min Scan# 1896
 Delta R.T. 0.006 min
 Lab File: VY004358.D
 Acq: 09 Apr 2021 15:22

Tgt Ion:119 Resp: 1882875
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.3 39.9
 91 25.2 12.0 36.0

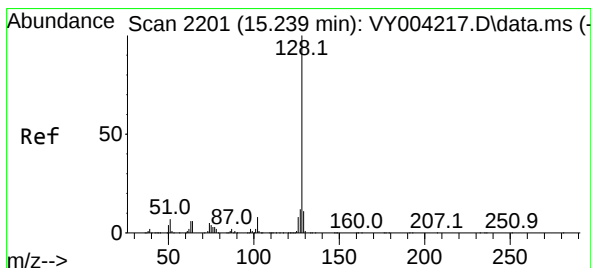
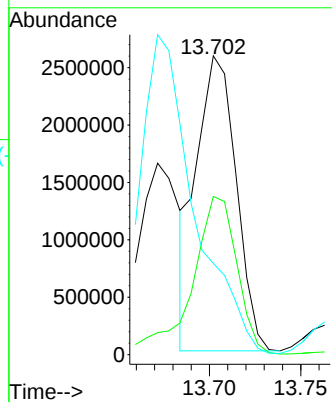
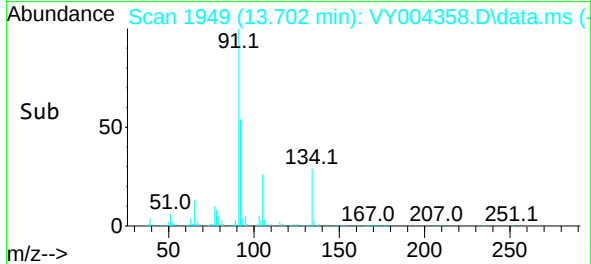




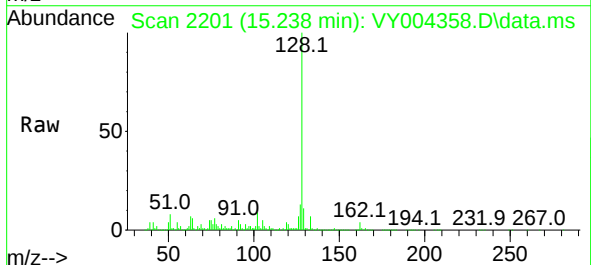
#89
n-Butylbenzene
Concen: 540.62 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22



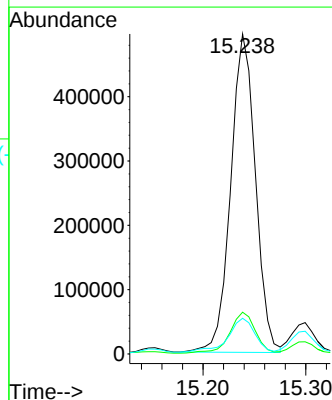
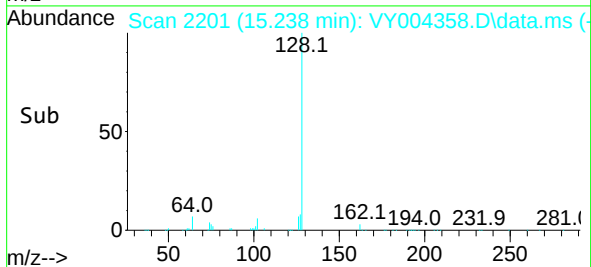
Tgt Ion: 91 Resp: 3888730
Ion Ratio Lower Upper
91 100
92 60.3 26.5 79.4
134 0.0 13.6 40.7#



#95
Naphthalene
Concen: 161.54 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.001 min
Lab File: VY004358.D
Acq: 09 Apr 2021 15:22



Tgt Ion: 128 Resp: 827412
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.5 8.9 13.3



Instrument :
MSVOA_Y
ClientSampled :
41018

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