

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040721\
 Data File : VY004319.D
 Acq On : 07 Apr 2021 16:51
 Operator : SY/MD
 Sample : M1952-01
 Misc : 5.03G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 17210

Manual Integrations
 APPROVED

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 4/8/2021 3:08:44 PM

Quant Time: Apr 08 01:36:48 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	7.801	168	165438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	286206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	252927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98520	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	101886	64.06	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.12%			
35) Dibromofluoromethane	7.728	113	85183	53.42	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.84%			
50) Toluene-d8	10.185	98	348144	58.04	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.08%			
62) 4-Bromofluorobenzene	12.483	95	109181	53.11	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.22%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.978	59	2605	20.13	ug/l #	83
16) Acetone	3.960	43	17849211	53870.11	ug/l	91
25) 2-Butanone	6.996	43	15313	27.67	ug/l #	89
39) Methylcyclohexane	9.191	83	81069	25.06	ug/l	93
52) Toluene	10.252	92	14107463	2962.85	ug/l #	73
67) Ethyl Benzene	11.599	91	181802	19.85	ug/l	98
68) m/p-Xylenes	11.703	106	194071	55.18	ug/l	98
69) o-Xylene	12.032	106	97974	29.77	ug/l	97
73) Isopropylbenzene	12.337	105	47640	6.62	ug/l	98
78) n-propylbenzene	12.672	91	146375	17.58	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	112310	19.13	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	457967	77.76	ug/l	100
85) sec-Butylbenzene	13.257	105	53718	7.69	ug/l	89
86) p-Isopropyltoluene	13.373	119	27978	4.31	ug/l	99
89) n-Butylbenzene	13.696	91	64607m	10.81	ug/l	
95) Naphthalene	15.239	128	95524	22.45	ug/l	99

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

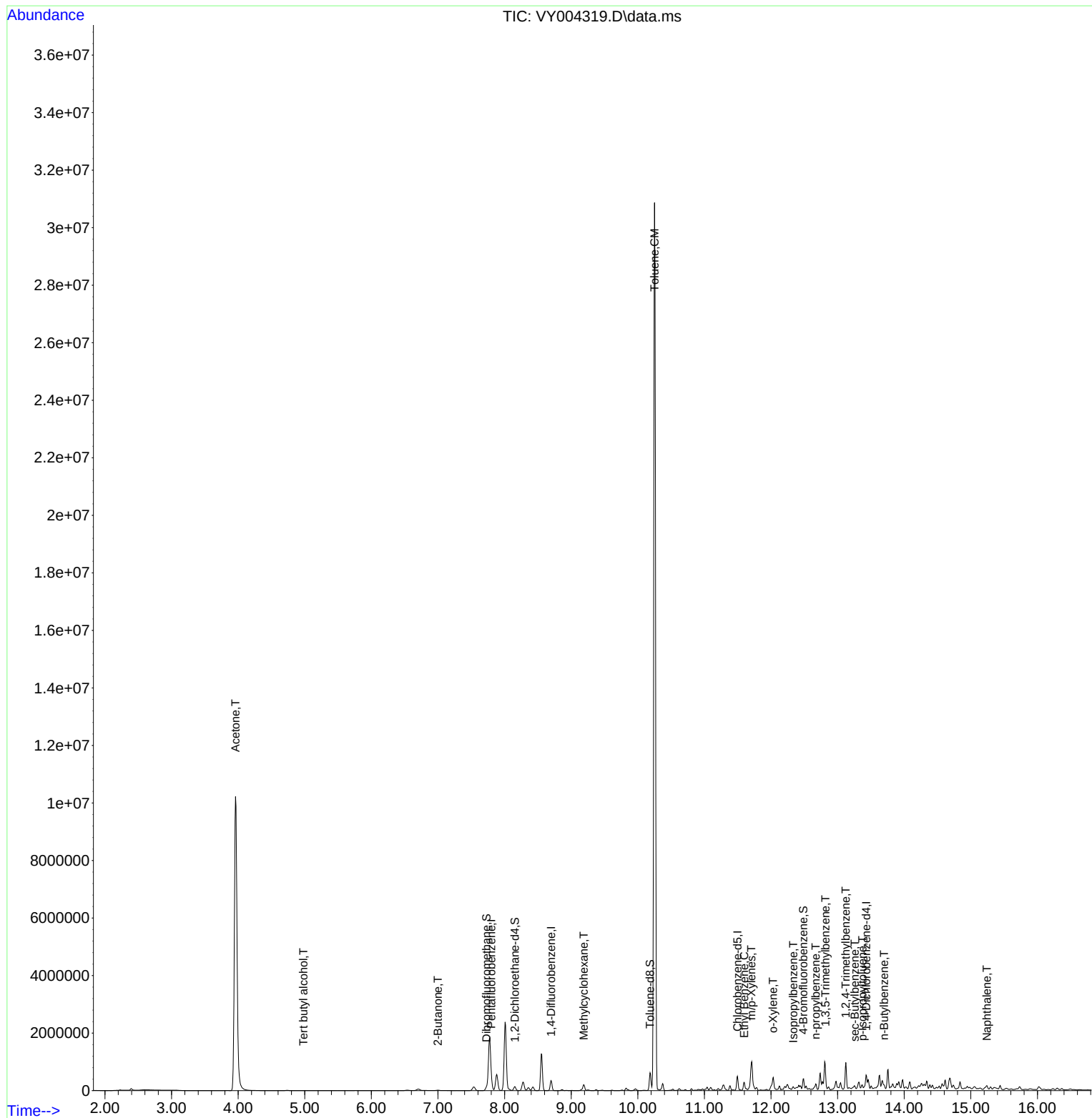
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040721\
Data File : VY004319.D
Acq On : 07 Apr 2021 16:51
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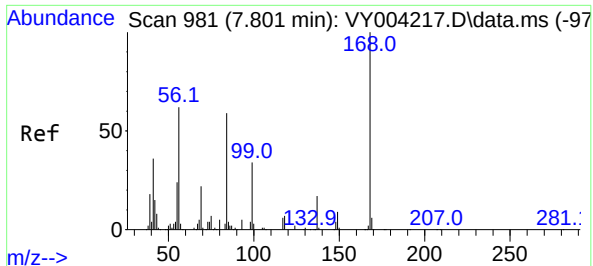
Instrument :
MSVOA_Y
ClientSampleId :
17210

Quant Time: Apr 08 01:36:48 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

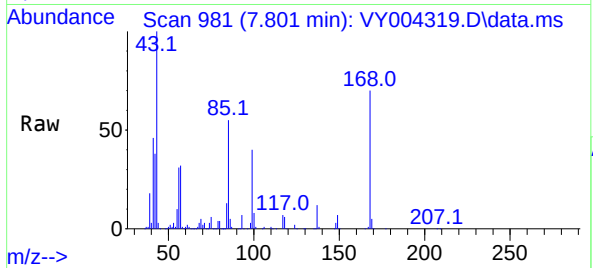
Manual Integrations
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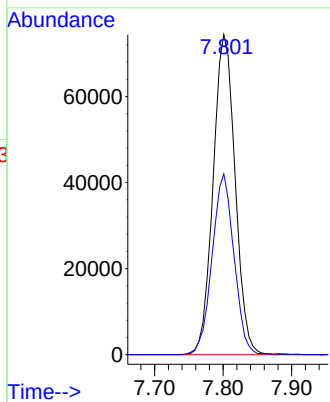
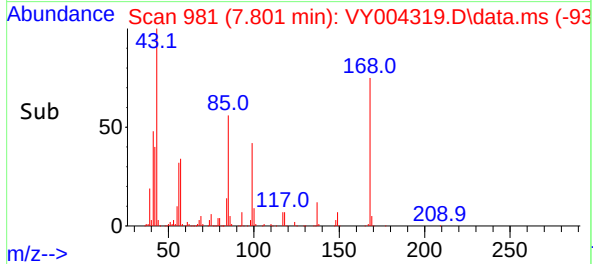




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51



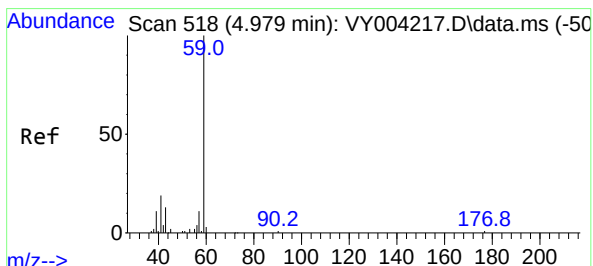
Tgt Ion: 168 Resp: 165438
Ion Ratio Lower Upper
168 100
99 56.5 42.6 64.0



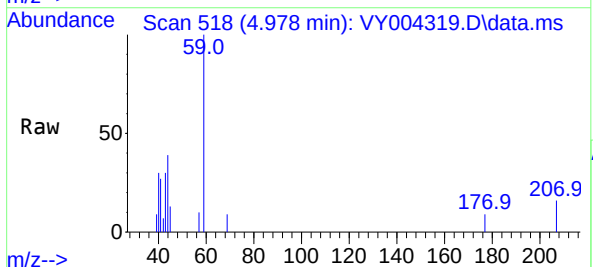
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MSVOA_Y
ClientSampleId :
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Manual Integrations
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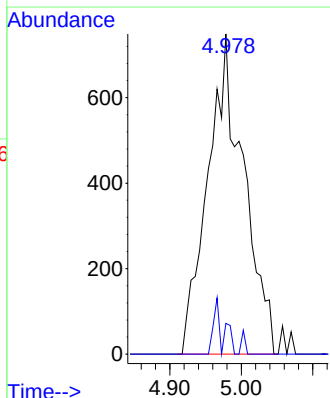
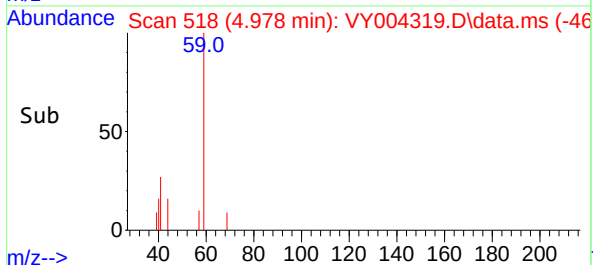
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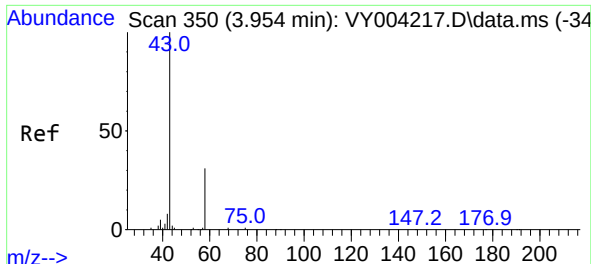


#11
Tert butyl alcohol
Concen: 20.13 ug/l
RT: 4.978 min Scan# 518
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51



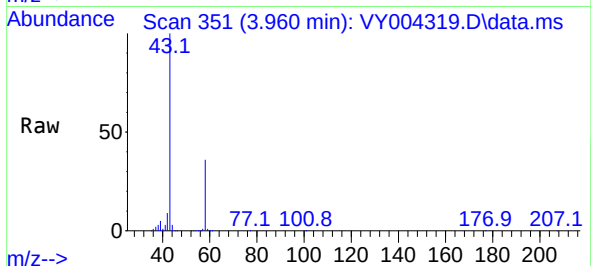
Tgt Ion: 59 Resp: 2605
Ion Ratio Lower Upper
59 100
57 4.6 8.9 13.3#





#16
Acetone
Concen: 53870.11 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

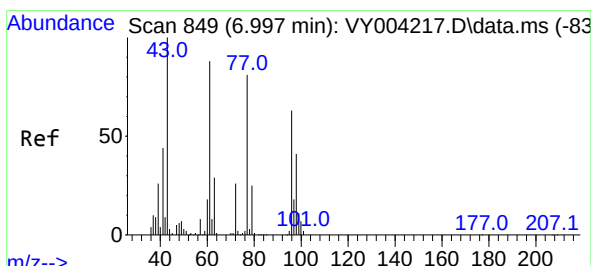
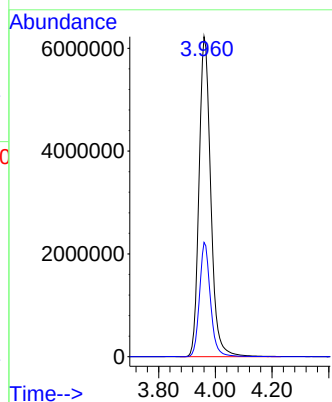
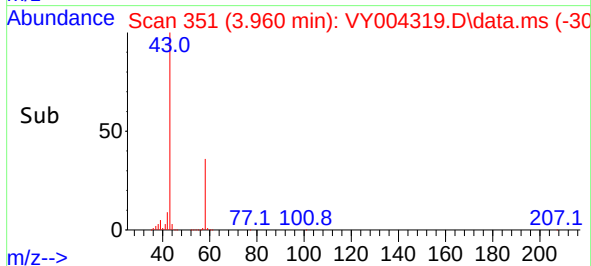
Instrument :
MSVOA_Y
ClientSampled :
17210



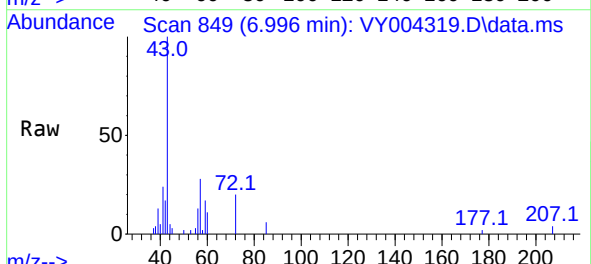
Tgt Ion: 43 Resp:17849211
Ion Ratio Lower Upper
43 100
58 35.7 24.5 36.7

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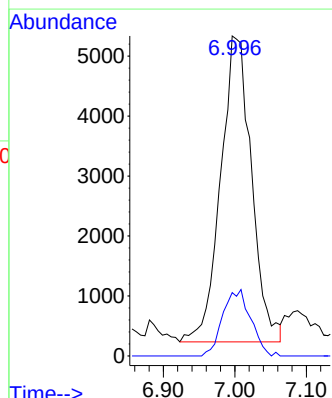
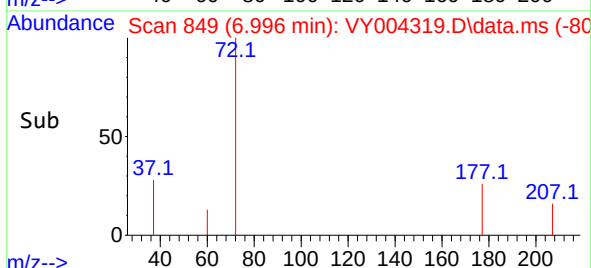
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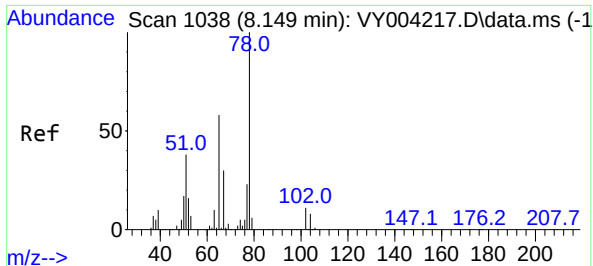


#25
2-Butanone
Concen: 27.67 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51



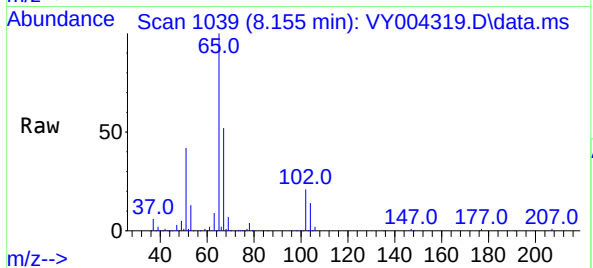
Tgt Ion: 43 Resp: 15313
Ion Ratio Lower Upper
43 100
72 20.7 21.0 31.6#





#33
1,2-Dichloroethane-d4
Concen: 64.06 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

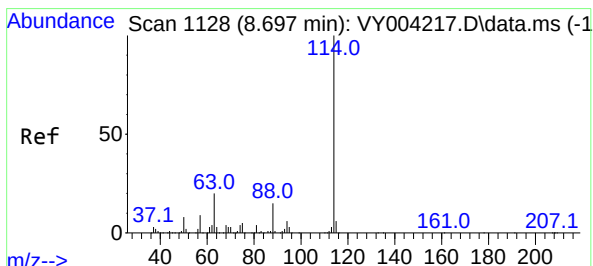
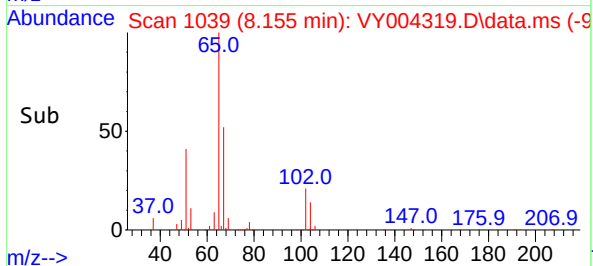
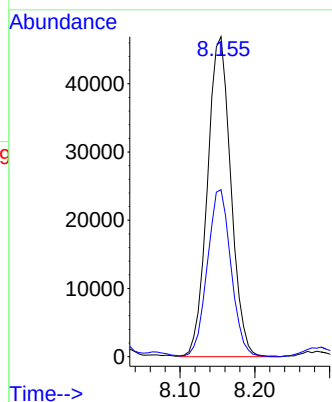
Instrument :
MSVOA_Y
ClientSampled :
17210



Tgt Ion: 65 Resp: 101886
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.2

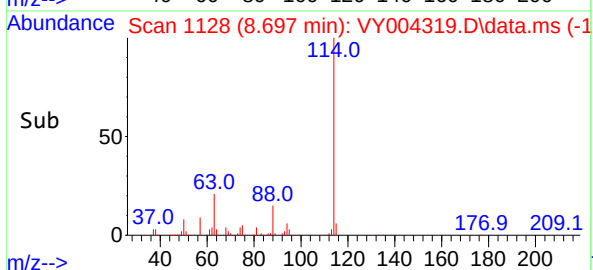
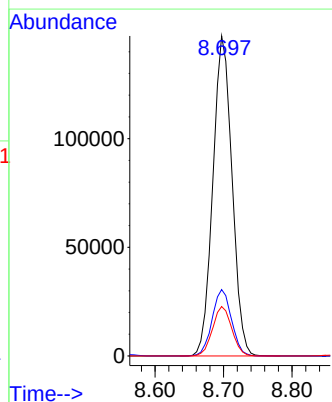
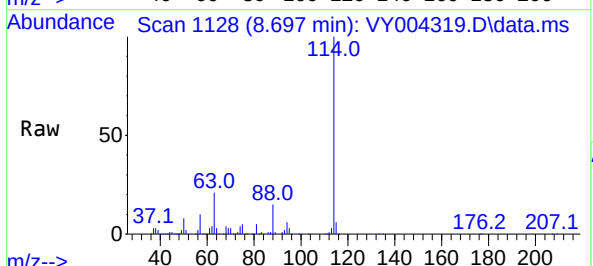
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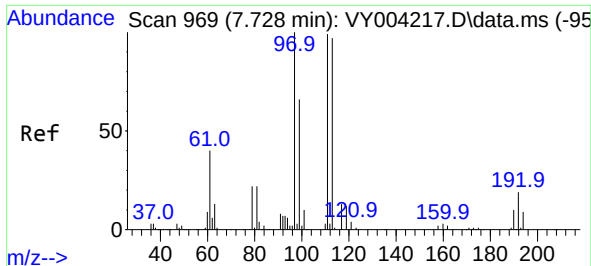
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#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

Tgt Ion: 114 Resp: 286206
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.4
88 15.5 0.0 30.8





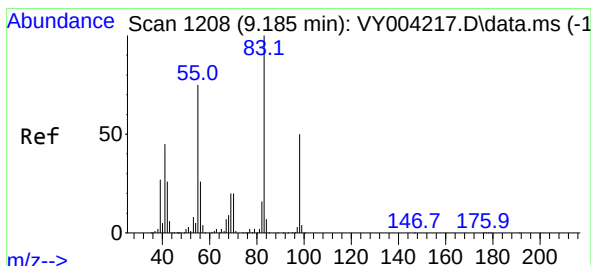
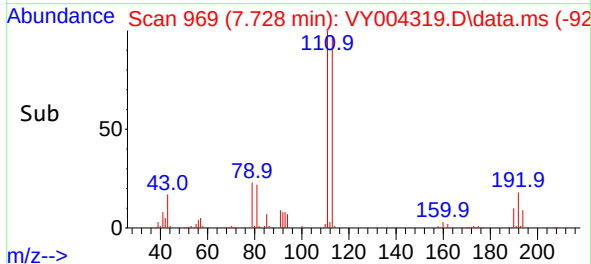
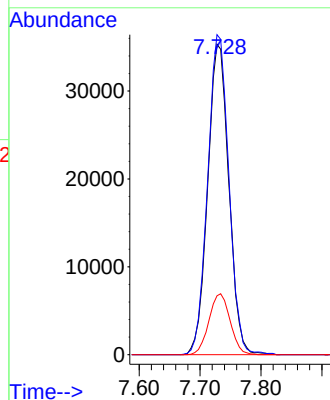
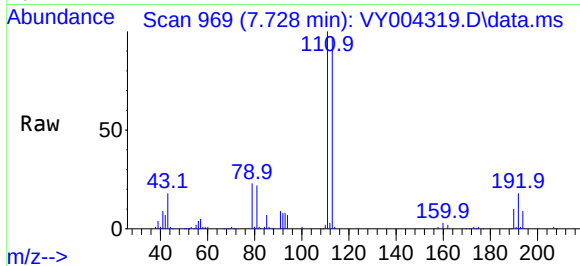
#35
Dibromofluoromethane
Concen: 53.42 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

Tgt Ion:	113	Resp:	85183
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	124.0
192	19.7	16.4	24.6

Instrument :
MSVOA_Y
ClientSampleId :
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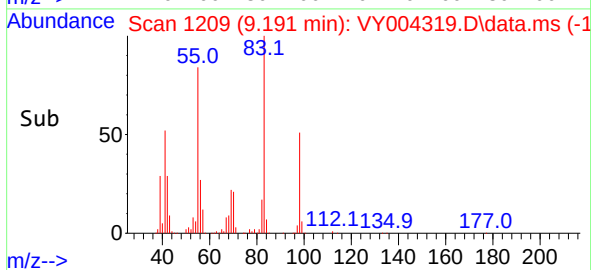
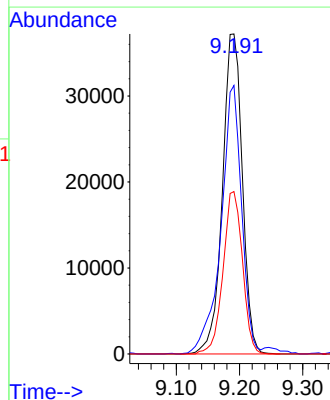
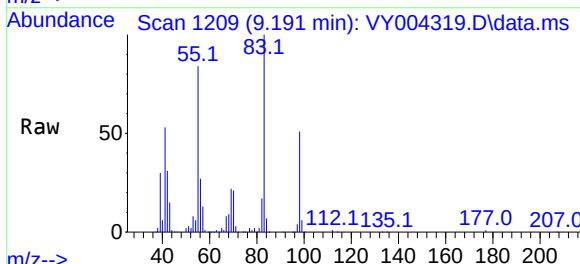
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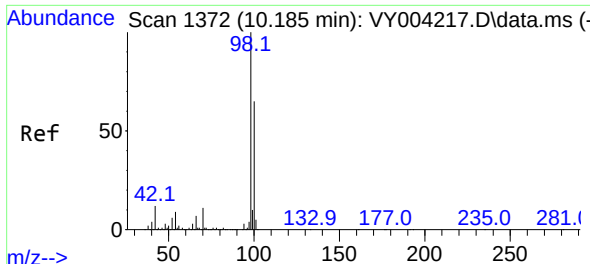
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#39
Methylcyclohexane
Concen: 25.06 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

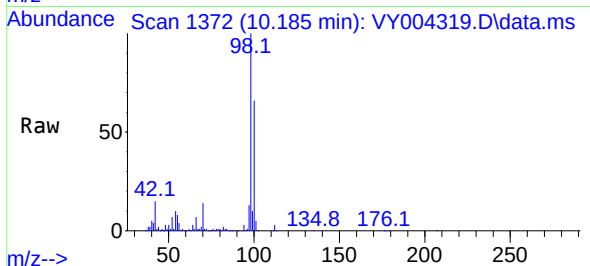
Tgt Ion:	83	Resp:	81069
Ion	Ratio	Lower	Upper
83	100		
55	83.9	60.0	90.0
98	50.7	40.2	60.2





#50
Toluene-d8
Concen: 58.04 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

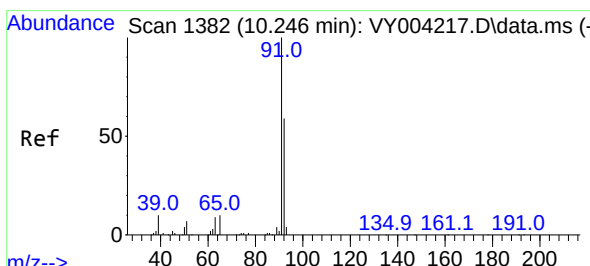
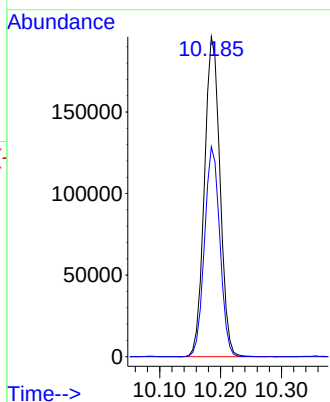
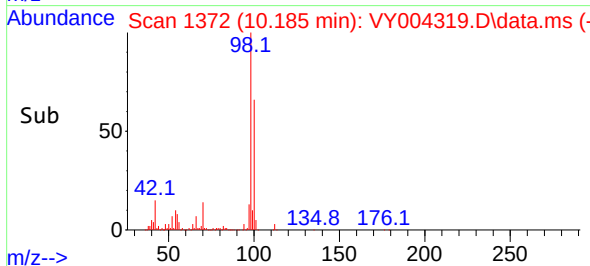
Instrument :
MSVOA_Y
ClientSampled :
17210



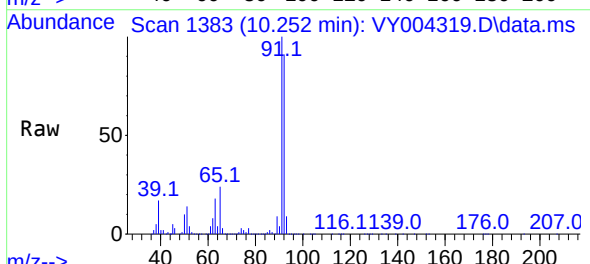
Tgt Ion: 98 Resp: 348144
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7

Manual Integrations
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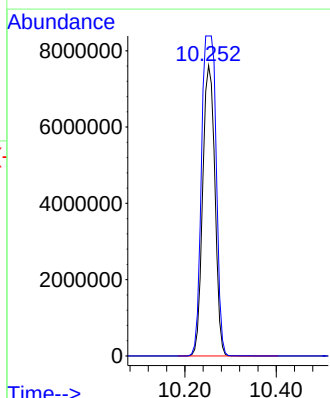
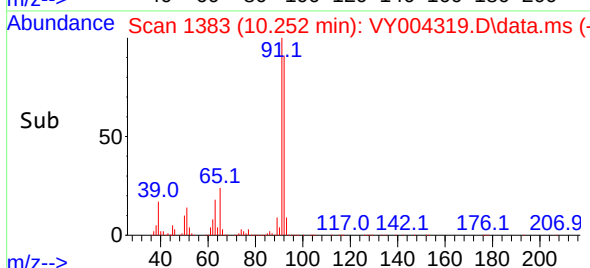
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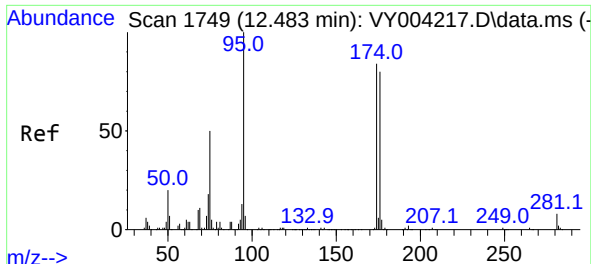


#52
Toluene
Concen: 2962.85 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51



Tgt Ion: 92 Resp: 14107463
Ion Ratio Lower Upper
92 100
91 132.6 136.0 204.0#





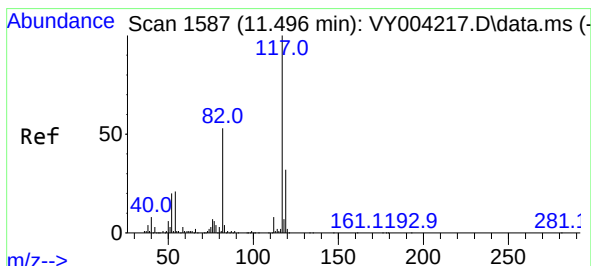
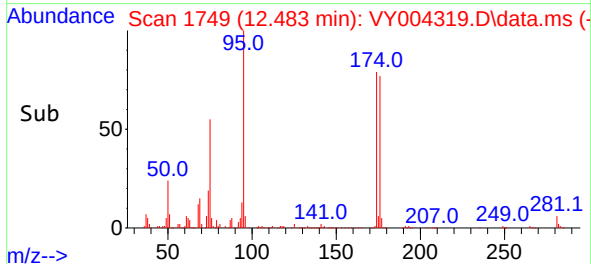
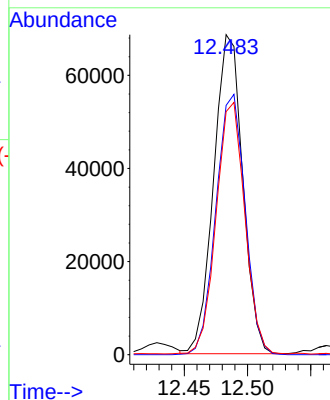
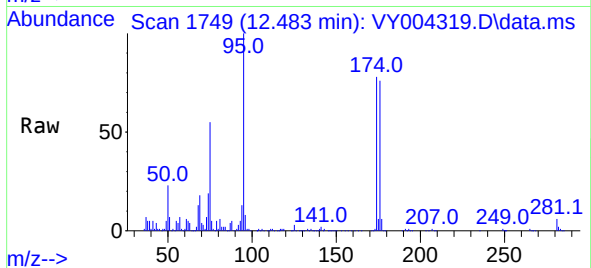
#62
4-Bromofluorobenzene
Concen: 53.11 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

Tgt Ion: 95 Resp: 109181
Ion Ratio Lower Upper
95 100
174 82.2 0.0 171.4
176 77.6 0.0 165.6

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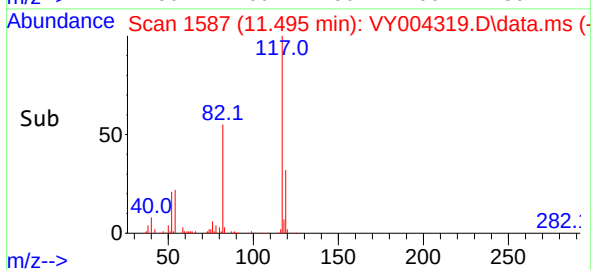
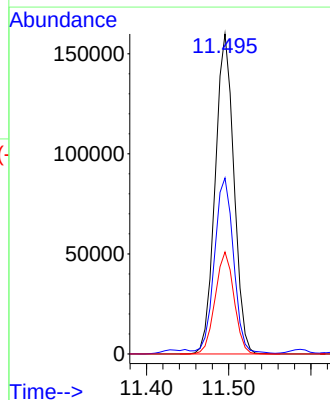
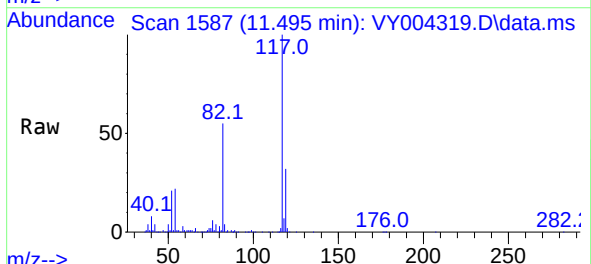
Manual Integrations
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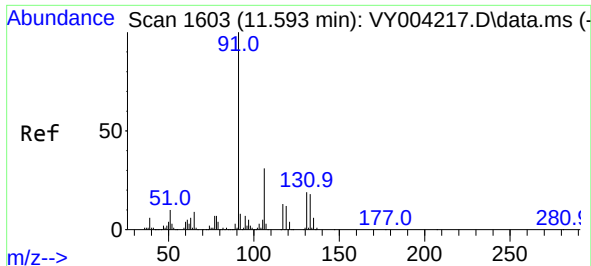
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

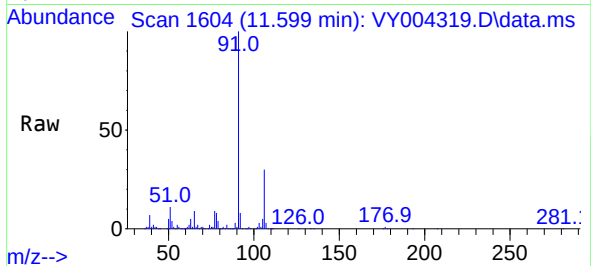
Tgt Ion: 117 Resp: 252927
Ion Ratio Lower Upper
117 100
82 54.7 42.7 64.1
119 31.8 25.7 38.5





#67
Ethyl Benzene
Concen: 19.85 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

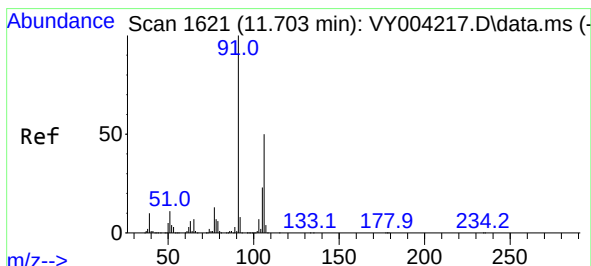
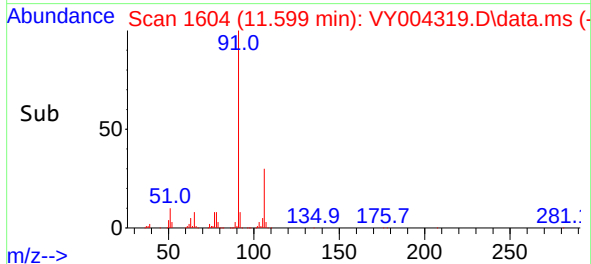
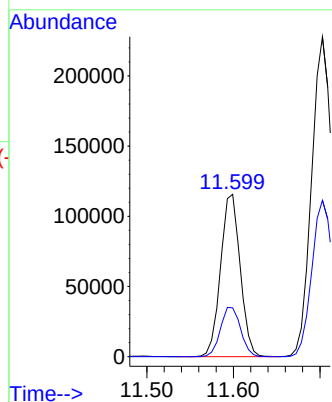
Instrument :
MSVOA_Y
ClientSampleId :
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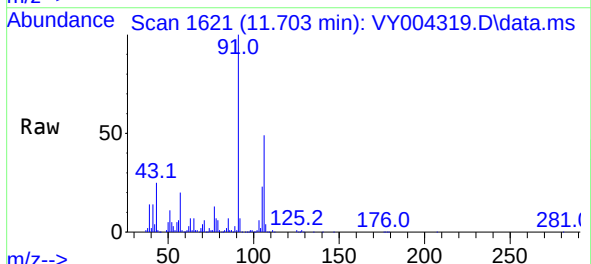
Tgt Ion: 91 Resp: 181802
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.6

Manual Integrations
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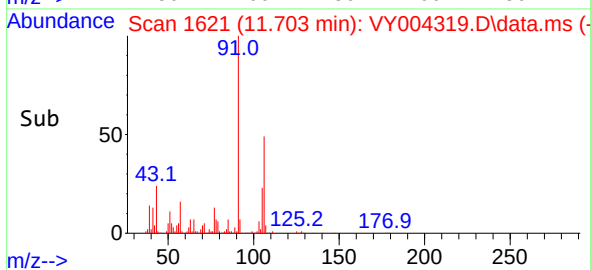
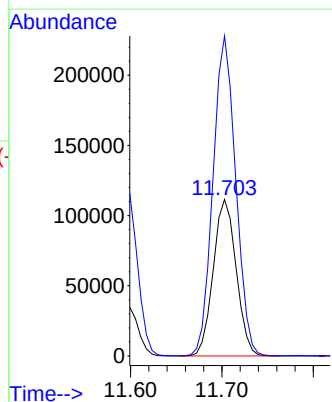
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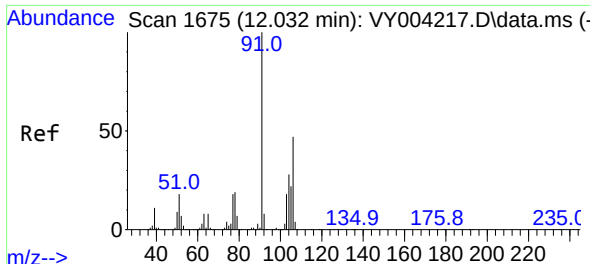


#68
m/p-Xylenes
Concen: 55.18 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51



Tgt Ion: 106 Resp: 194071
Ion Ratio Lower Upper
106 100
91 202.7 159.8 239.6





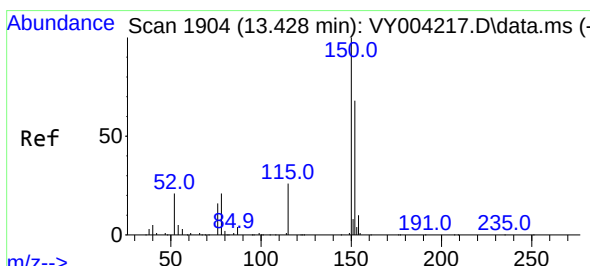
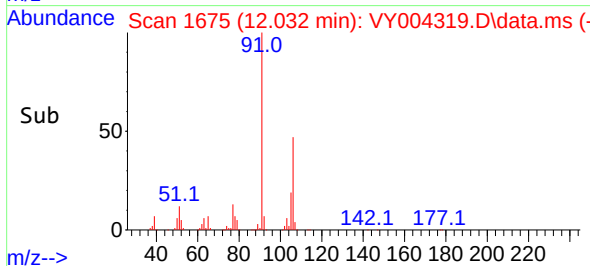
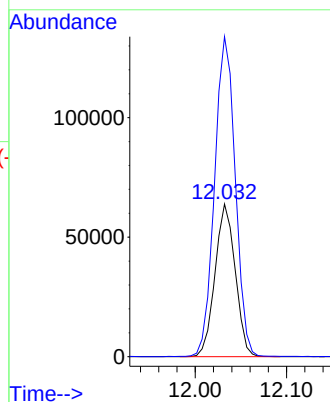
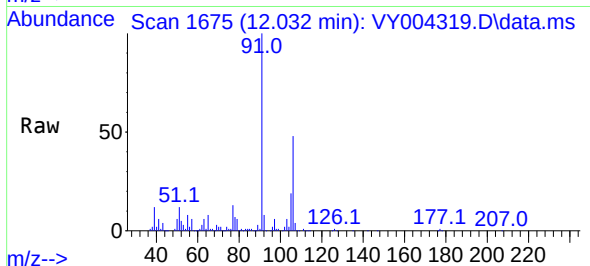
#69
o-Xylene
Concen: 29.77 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

Tgt Ion:106 Resp: 97974
Ion Ratio Lower Upper
106 100
91 215.6 105.6 316.8

Instrument :
MSVOA_Y
ClientSampled :
17210

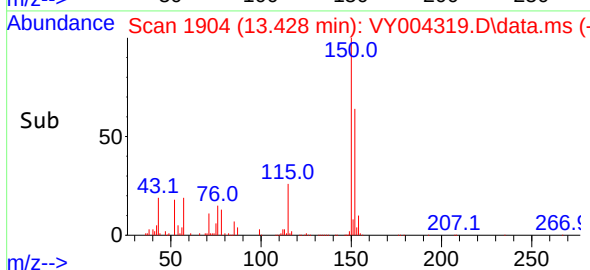
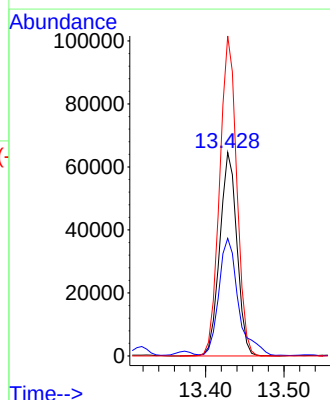
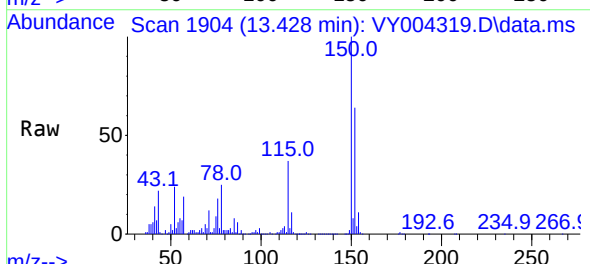
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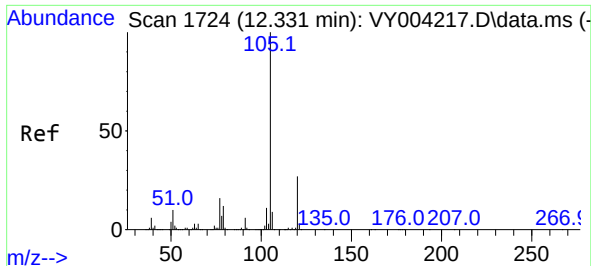
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

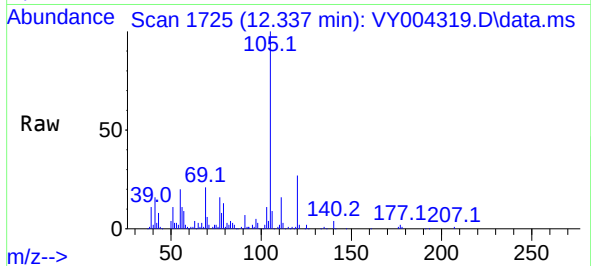
Tgt Ion:152 Resp: 98520
Ion Ratio Lower Upper
152 100
115 65.5 29.0 87.1
150 156.5 0.0 347.4





#73
Isopropylbenzene
Concen: 6.62 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

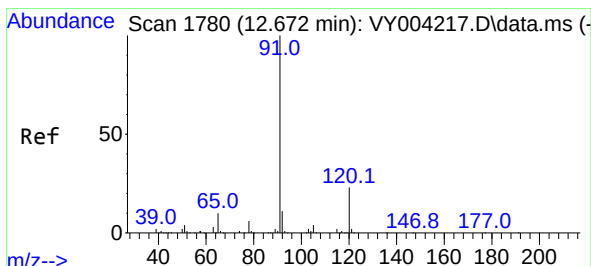
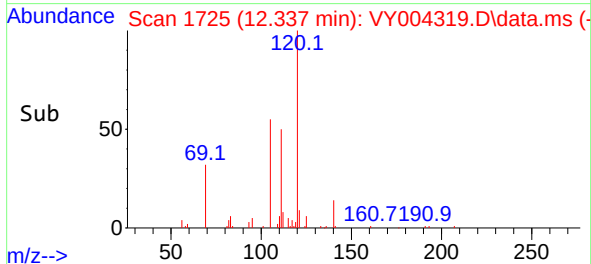
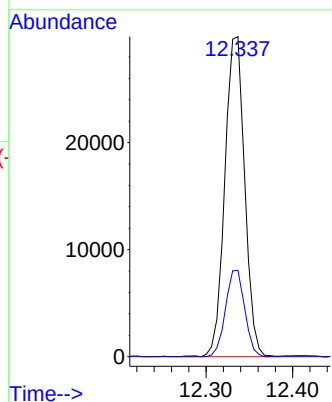
Instrument :
MSVOA_Y
ClientSampled :
17210



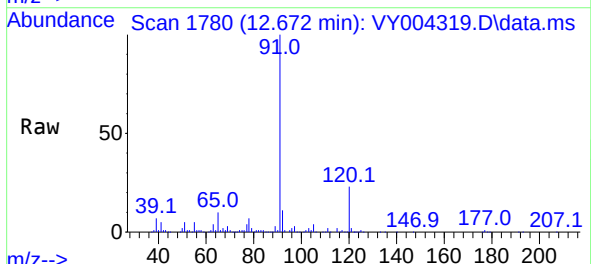
Tgt Ion: 105 Resp: 47640
Ion Ratio Lower Upper
105 100
120 26.0 13.7 41.0

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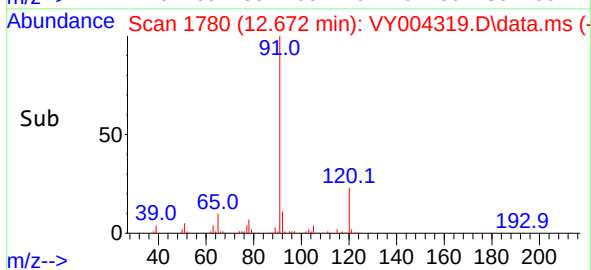
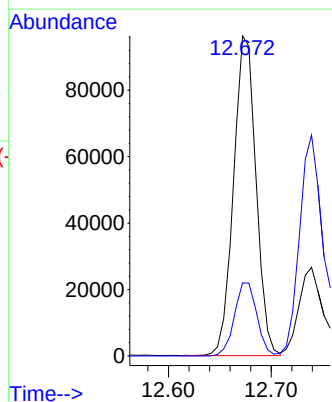
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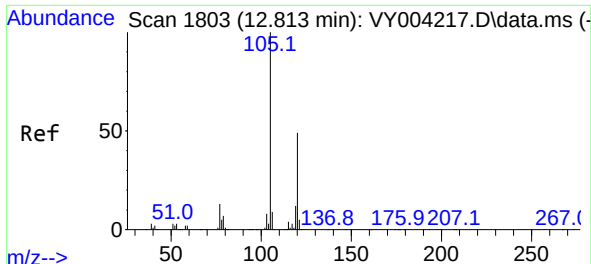


#78
n-propylbenzene
Concen: 17.58 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51



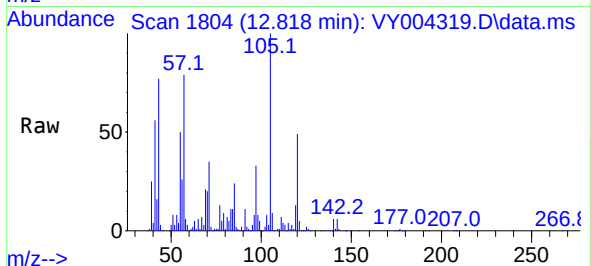
Tgt Ion: 91 Resp: 146375
Ion Ratio Lower Upper
91 100
120 22.8 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 19.13 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

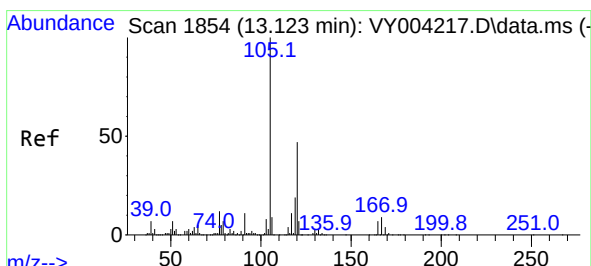
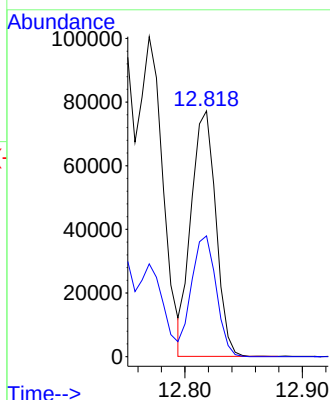
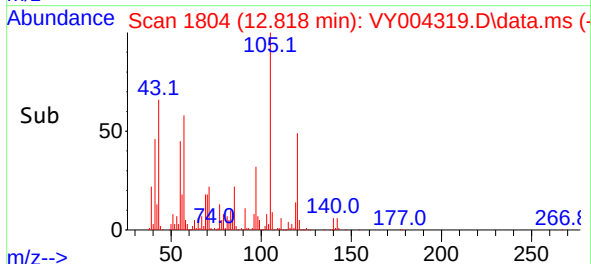
Instrument :
MSVOA_Y
ClientSampled :
17210



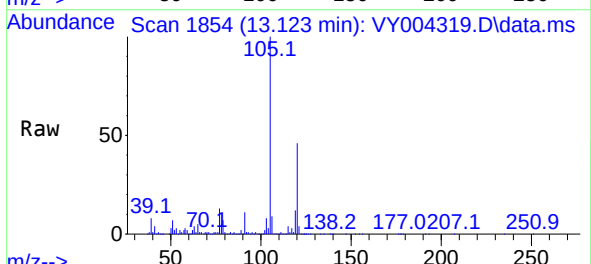
Tgt Ion:105 Resp: 112310
Ion Ratio Lower Upper
105 100
120 49.6 24.9 74.7

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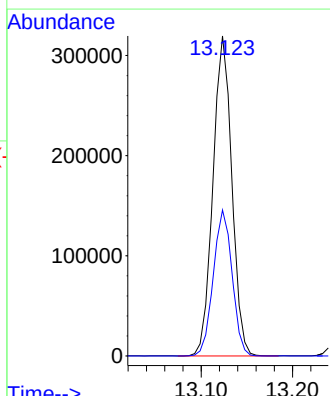
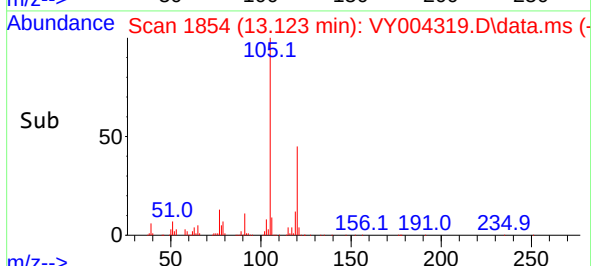
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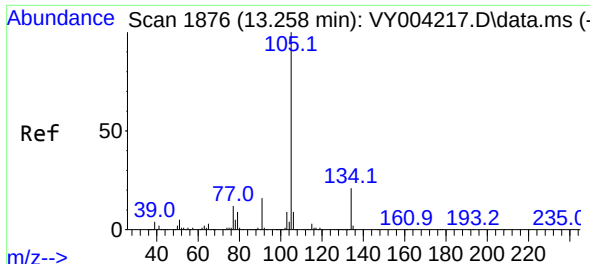


#84
1,2,4-Trimethylbenzene
Concen: 77.76 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51



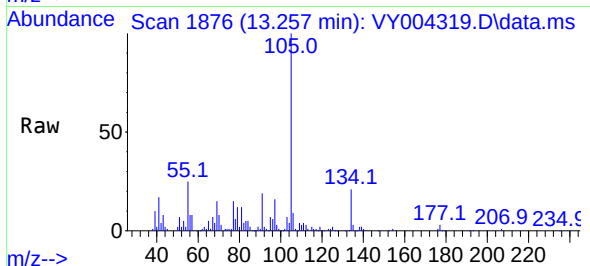
Tgt Ion:105 Resp: 457967
Ion Ratio Lower Upper
105 100
120 45.6 22.9 68.7





#85
sec-Butylbenzene
Concen: 7.69 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

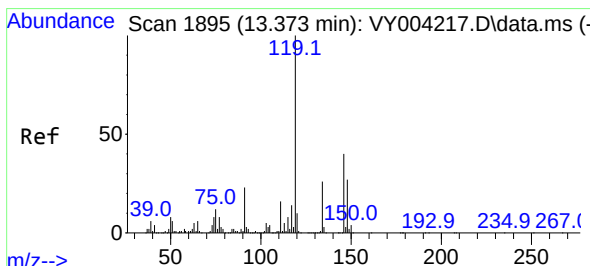
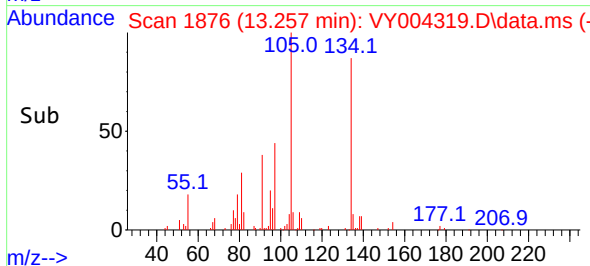
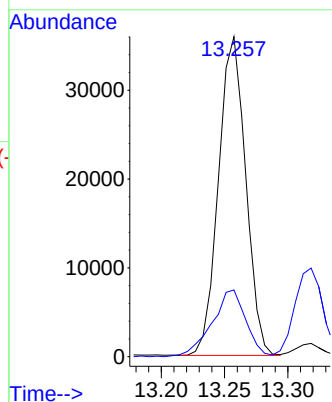
Instrument :
MSVOA_Y
ClientSampled :
17210



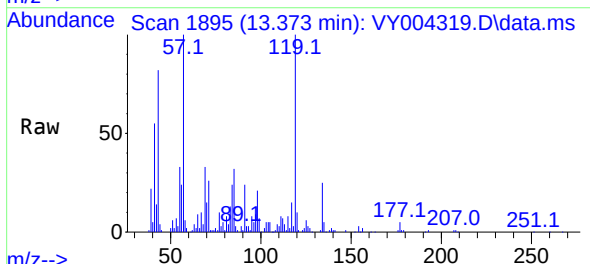
Tgt Ion:105 Resp: 53718
Ion Ratio Lower Upper
105 100
134 26.1 10.4 31.4

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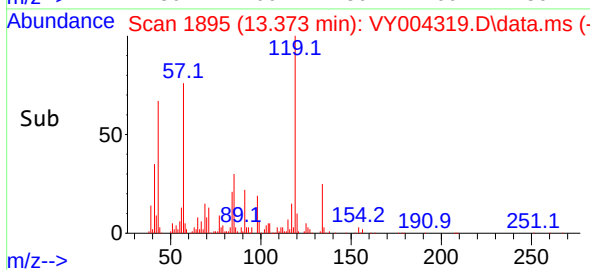
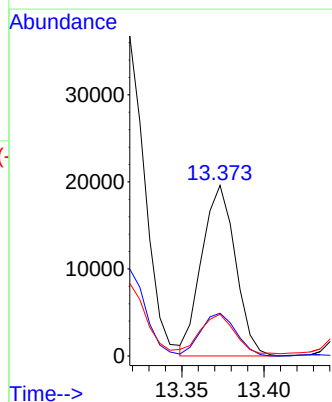
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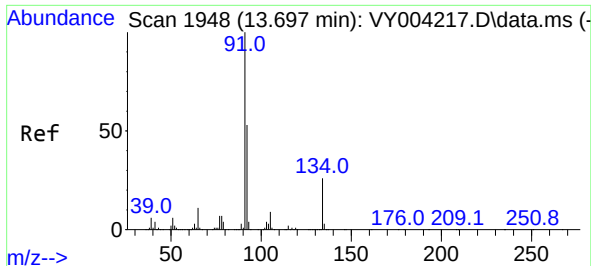


#86
p-Isopropyltoluene
Concen: 4.31 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51

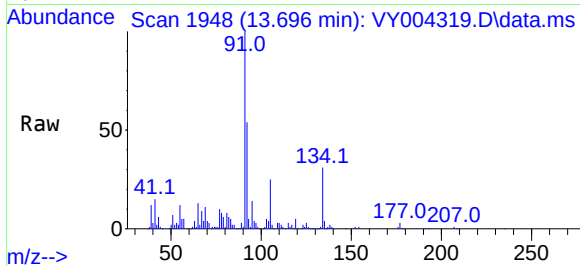


Tgt Ion:119 Resp: 27978
Ion Ratio Lower Upper
119 100
134 26.1 13.3 39.9
91 23.6 12.0 36.0

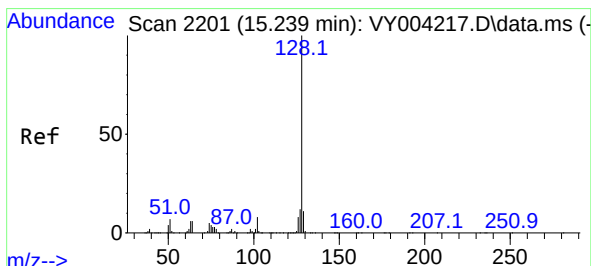
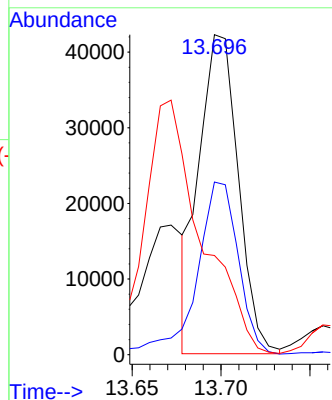
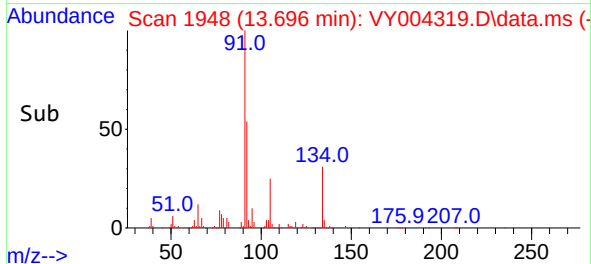




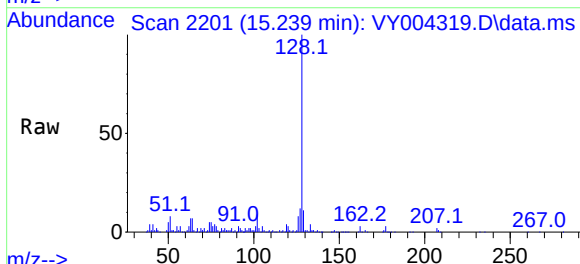
#89
n-Butylbenzene
Concen: 10.81 ug/l m
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51



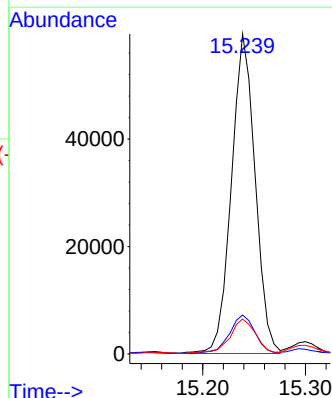
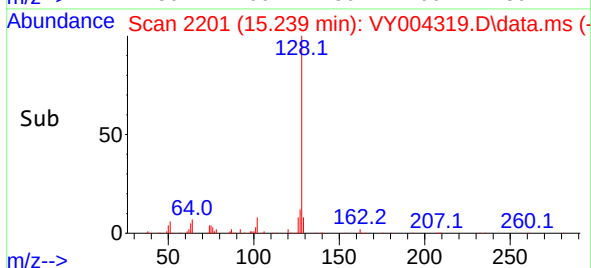
Tgt Ion: 91 Resp: 64607
Ion Ratio Lower Upper
91 100
92 55.8 26.5 79.4
134 0.0 13.6 40.7#



#95
Naphthalene
Concen: 22.45 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004319.D
Acq: 07 Apr 2021 16:51



Tgt Ion: 128 Resp: 95524
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 11.8 8.9 13.3



Instrument :
MSVOA_Y
ClientSampled :
17210

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