

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
 Data File : VX021778.D
 Acq On : 21 Apr 2021 00:56
 Operator : JC/MD
 Sample : M2079-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Manual Integrations
 APPROVED

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 4/21/2021 4:35:58 PM

Quant Time: Apr 21 11:29:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	166364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	275884	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.097	117	238873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	106261	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	92431	48.98	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.96%		
35) Dibromofluoromethane	5.464	113	87774	49.75	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.50%		
50) Toluene-d8	8.695	98	325349	47.96	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.92%		
62) 4-Bromofluorobenzene	11.122	95	110207	43.50	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.00%		
Target Compounds						Qvalue
6) Chloroethane	1.715	64	3701	3.07	ug/l	99
11) Tert butyl alcohol	3.013	59	3911	9.46	ug/l #	73
16) Acetone	2.422	43	12713	19.59	ug/l	98
19) Methyl tert-butyl Ether	3.166	73	27459	5.19	ug/l #	44
25) 2-Butanone	4.647	43	5432	4.94	ug/l	97
31) Cyclohexane	5.550	56	28765	10.84	ug/l	94
39) Methylcyclohexane	7.439	83	13949	4.42	ug/l	97
40) Benzene	6.110	78	1713667	235.90	ug/l	100
42) 1,2-Dichloroethane	6.159	62	31429	13.33	ug/l	95
45) 1,2-Dichloropropane	7.494	63	1990	1.04	ug/l	99
51) 4-Methyl-2-Pentanone	8.616	43	4367	1.90	ug/l	97
52) Toluene	8.762	92	212608	45.11	ug/l	100
67) Ethyl Benzene	10.232	91	1254975	147.01	ug/l	99
68) m/p-Xylenes	10.341	106	412115	124.77	ug/l	97
69) o-Xylene	10.683	106	189924	59.64	ug/l	98
73) Isopropylbenzene	11.000	105	103866	13.93	ug/l	99
78) n-propylbenzene	11.341	91	143504	17.40	ug/l	99
80) 1,3,5-Trimethylbenzene	11.487	105	325982	51.63	ug/l	96
84) 1,2,4-Trimethylbenzene	11.792	105	1023147	160.44	ug/l	97
85) sec-Butylbenzene	11.926	105	15011m	2.08	ug/l	
86) p-Isopropyltoluene	12.048	119	7032	1.02	ug/l #	75
95) Naphthalene	13.816	128	302787	42.27	ug/l	100

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

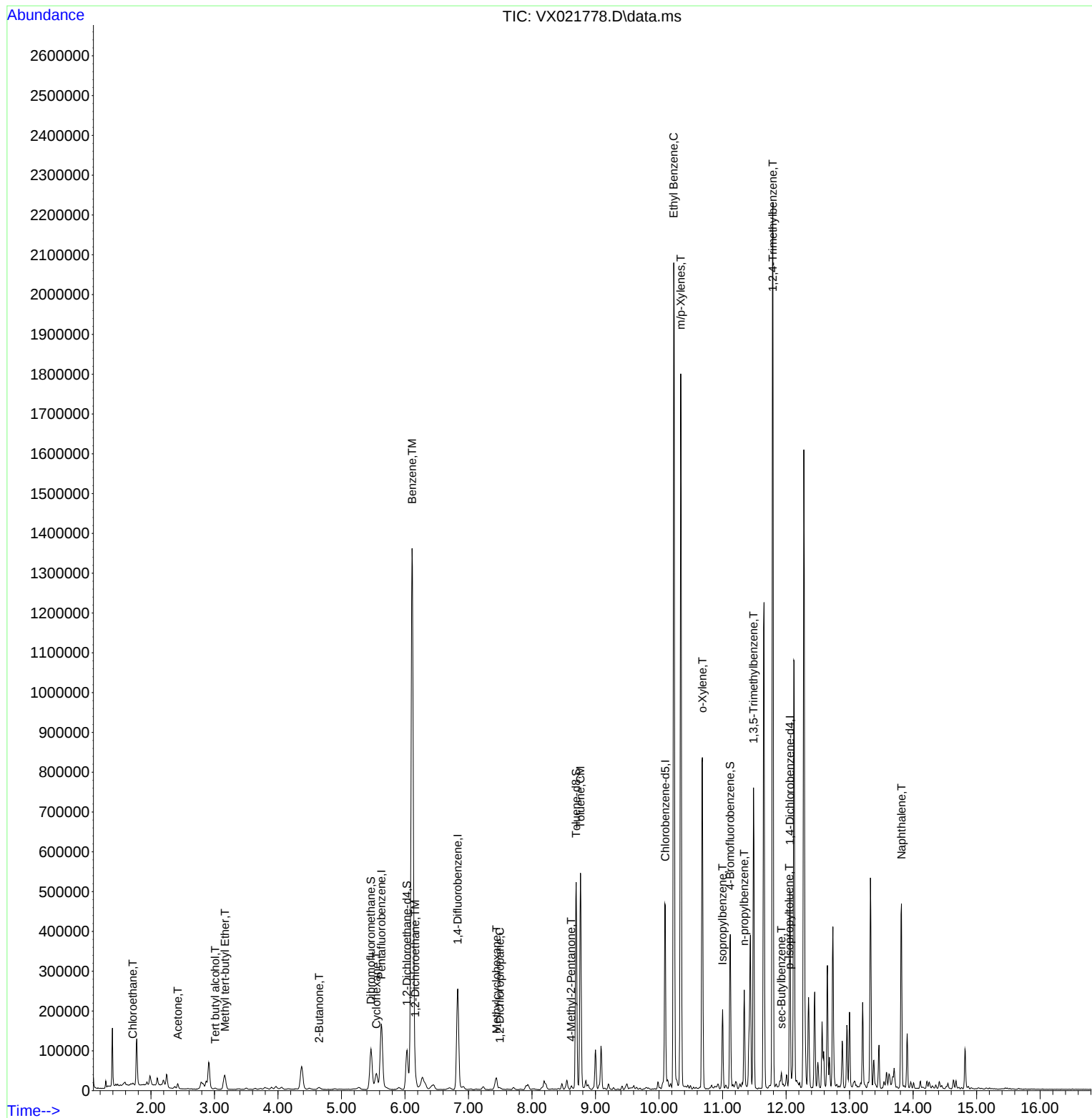
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
Data File : VX021778.D
Acq On : 21 Apr 2021 00:56
Operator : JC/MD
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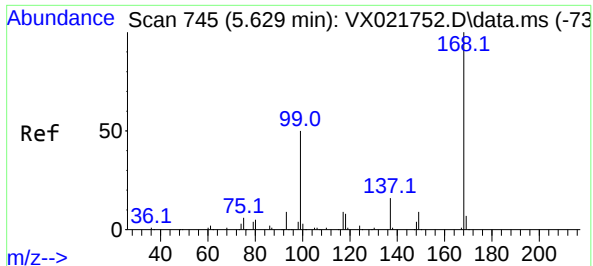
Instrument :
MSVOA_X
ClientSampleId :
MW-12

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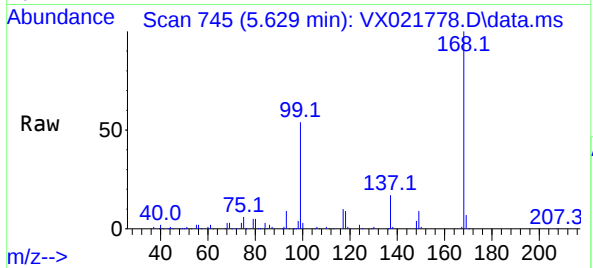
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Quant Time: Apr 21 11:29:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 20 13:46:22 2021
Response via : Initial Calibration

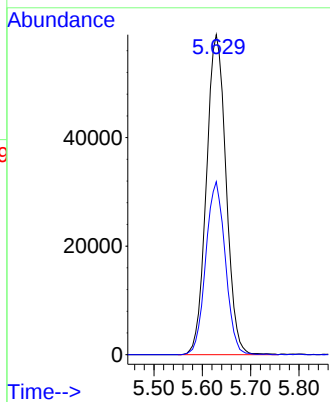
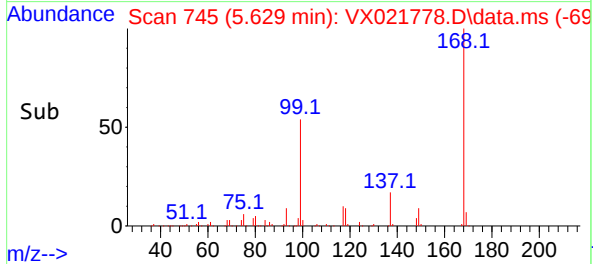




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



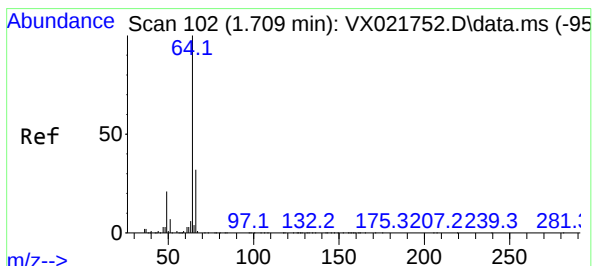
Tgt Ion: 168 Resp: 166364
Ion Ratio Lower Upper
168 100
99 54.1 45.8 68.6



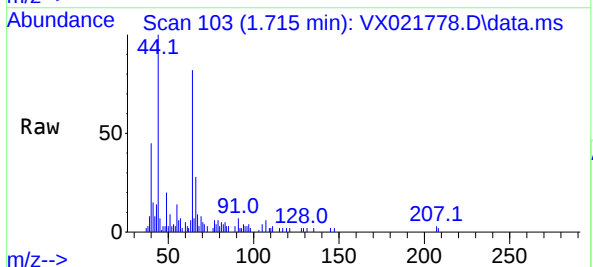
Instrument :
MSVOA_X
ClientSampled :
MW-12

Manual Integrations
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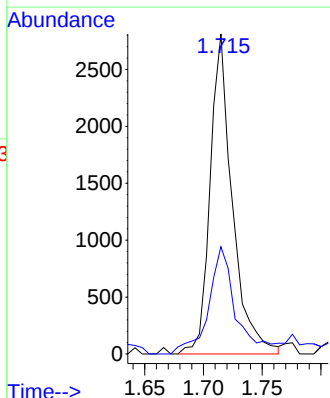
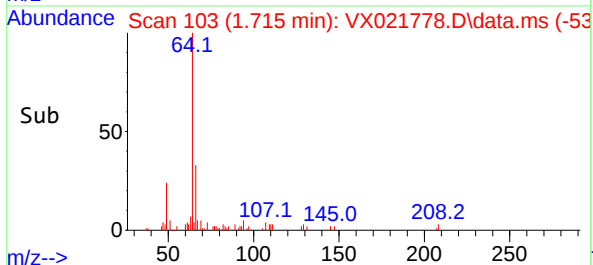
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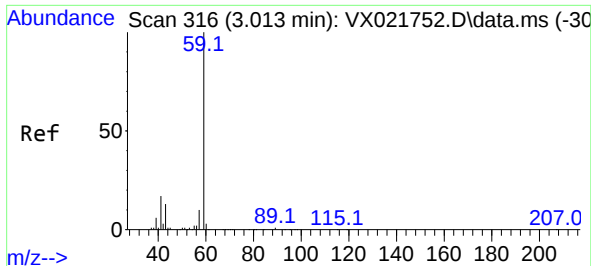


#6
Chloroethane
Concen: 3.07 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.006 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



Tgt Ion: 64 Resp: 3701
Ion Ratio Lower Upper
64 100
66 31.3 25.4 38.0

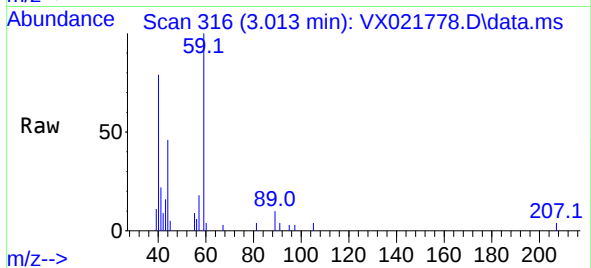




#11

Tert butyl alcohol
Concen: 9.46 ug/l
RT: 3.013 min Scan# 316
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

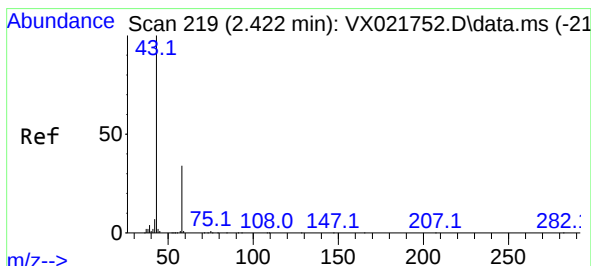
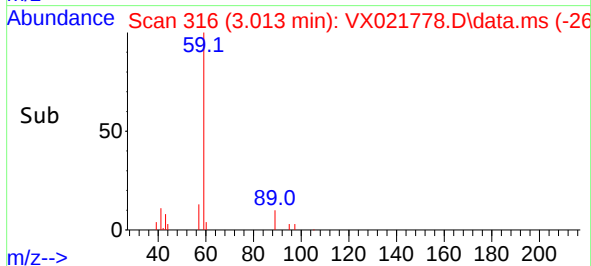
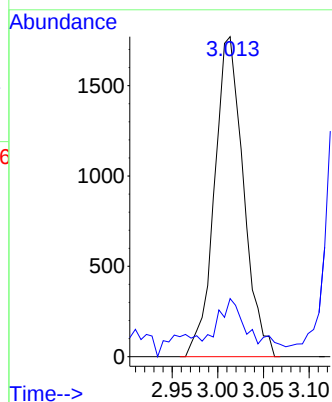
Instrument :
MSVOA_X
ClientSampleId :
MW-12



Tgt Ion: 59 Resp: 3911
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

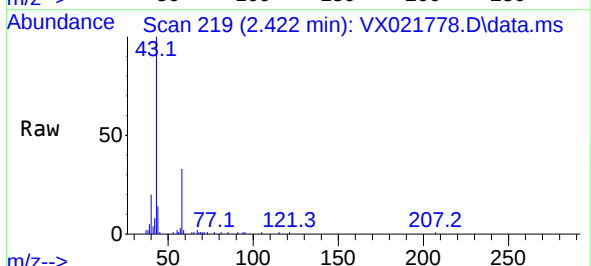
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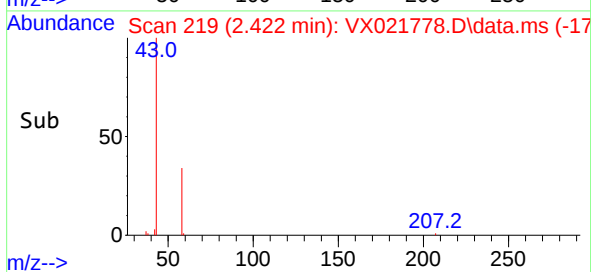
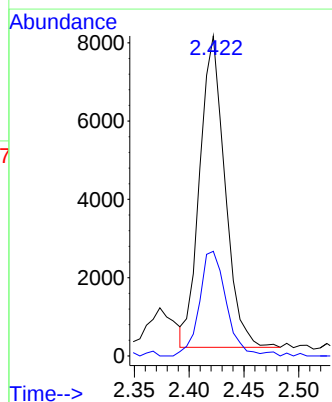


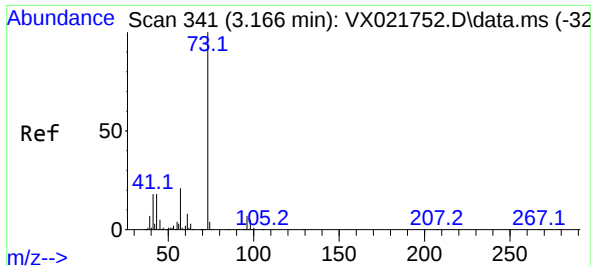
#16

Acetone
Concen: 19.59 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



Tgt Ion: 43 Resp: 12713
Ion Ratio Lower Upper
43 100
58 33.6 27.8 41.8





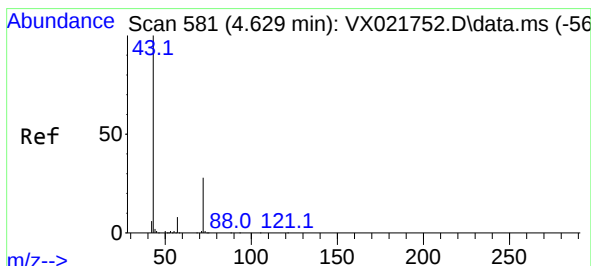
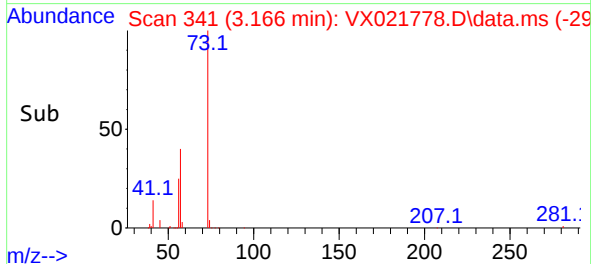
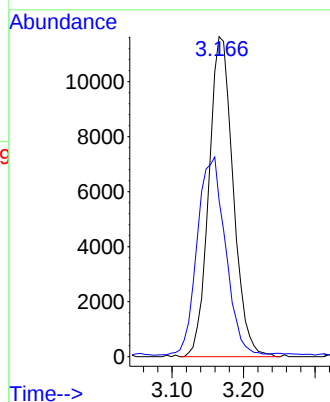
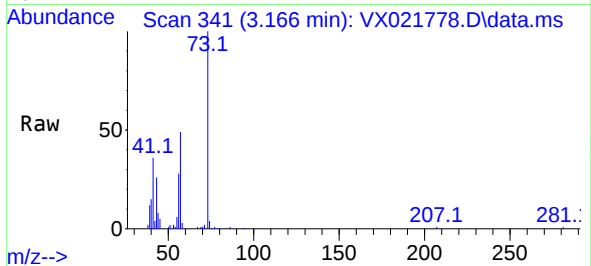
#19
Methyl tert-butyl Ether
Concen: 5.19 ug/l
RT: 3.166 min Scan# 341
Delta R.T. -0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 73 Resp: 27459
Ion Ratio Lower Upper
73 100
57 47.8 17.1 25.7#

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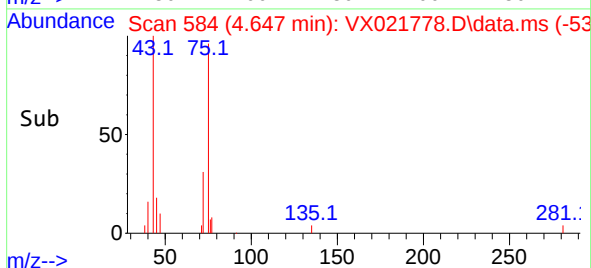
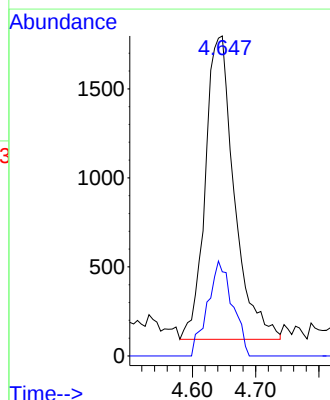
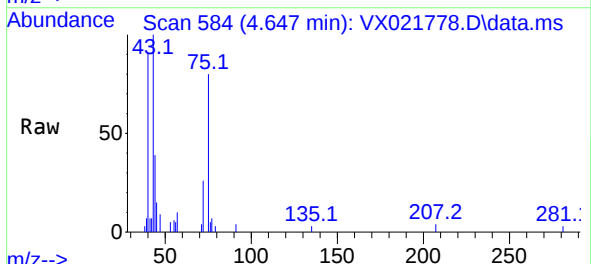
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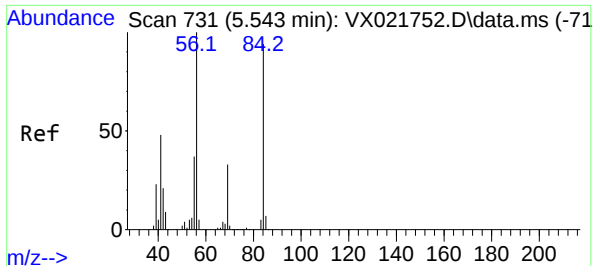
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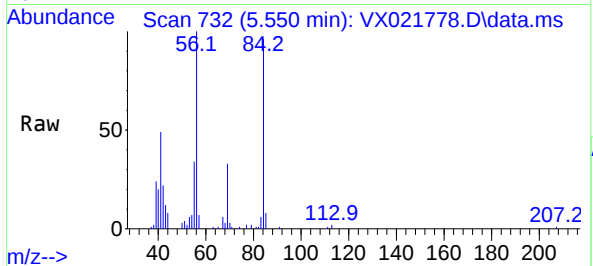
#25
2-Butanone
Concen: 4.94 ug/l
RT: 4.647 min Scan# 584
Delta R.T. 0.018 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 43 Resp: 5432
Ion Ratio Lower Upper
43 100
72 27.8 23.7 35.5

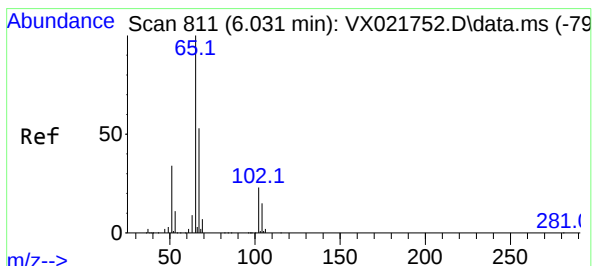
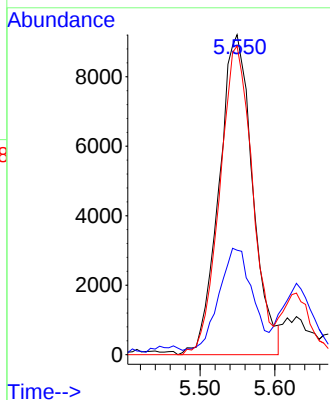
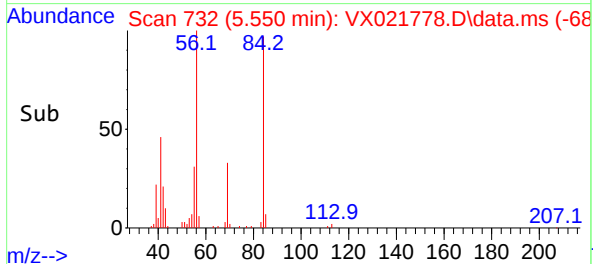




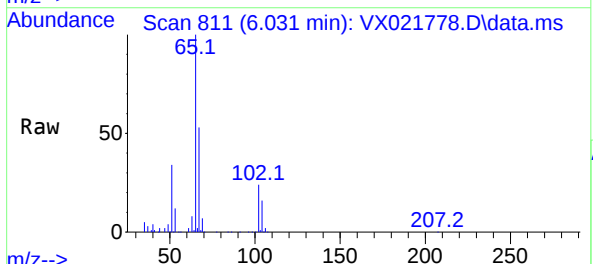
#31
Cyclohexane
Concen: 10.84 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.006 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



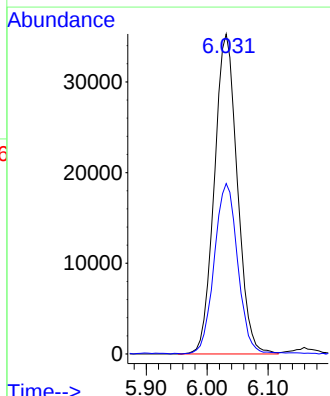
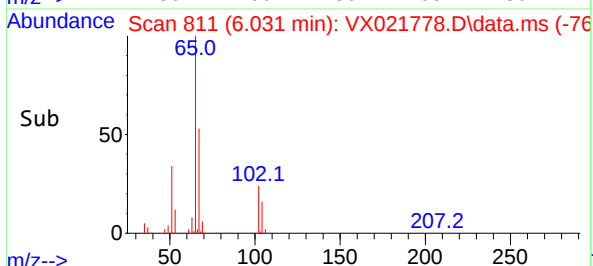
Tgt Ion: 56 Resp: 28765
Ion Ratio Lower Upper
56 100
69 30.6 25.3 37.9
84 96.4 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 48.98 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



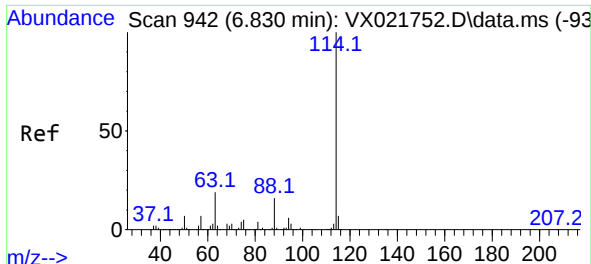
Tgt Ion: 65 Resp: 92431
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.4



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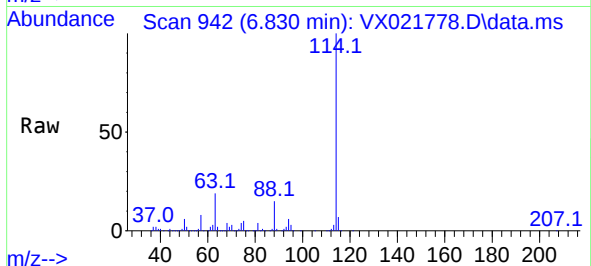
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#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

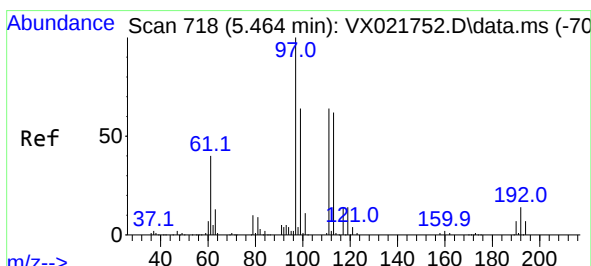
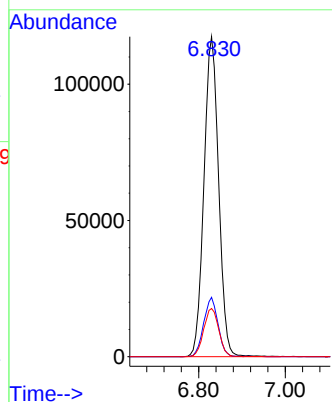
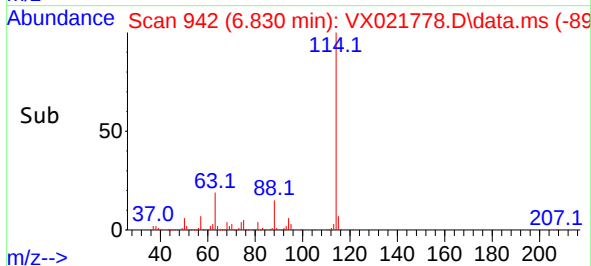
Instrument :
MSVOA_X
ClientSampleId :
MW-12



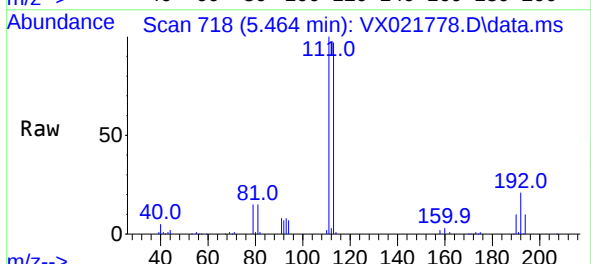
Tgt Ion:114 Resp: 275884
Ion Ratio Lower Upper
114 100
63 18.5 0.0 40.8
88 15.1 0.0 32.8

Manual Integrations
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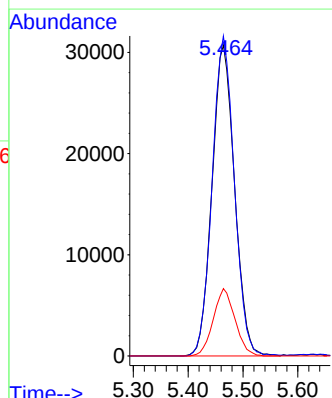
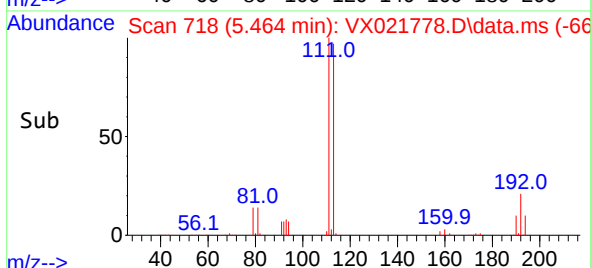
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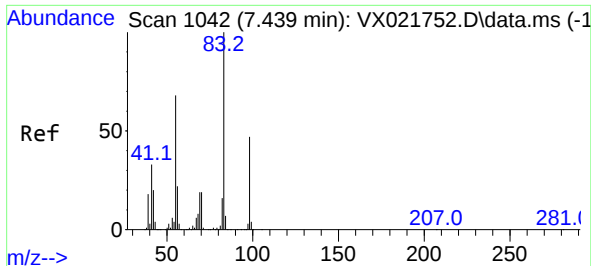


#35
Dibromofluoromethane
Concen: 49.75 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

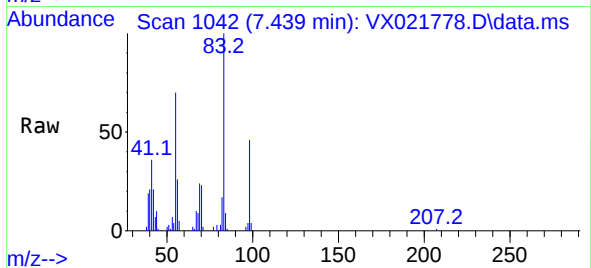


Tgt Ion:113 Resp: 87774
Ion Ratio Lower Upper
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111 101.1 81.9 122.9
192 20.9 16.7 25.1

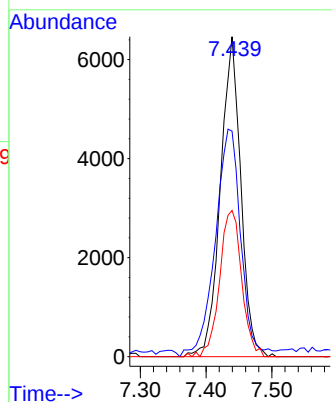




#39
Methylcyclohexane
Concen: 4.42 ug/l
RT: 7.439 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



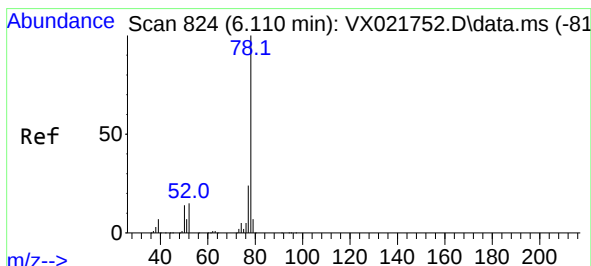
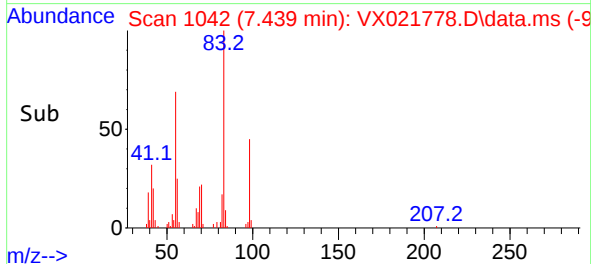
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Ion Ratio Lower Upper
83 100
55 70.5 58.9 88.3
98 45.7 38.1 57.1



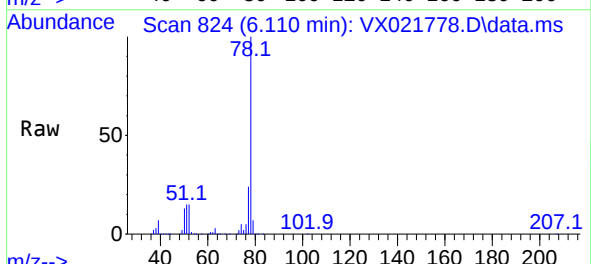
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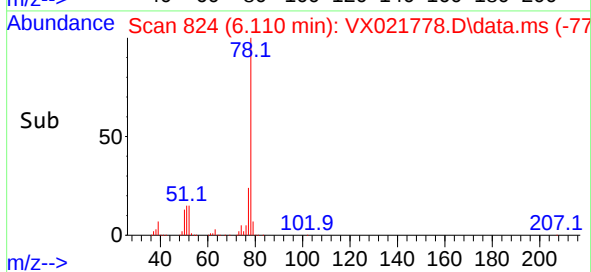
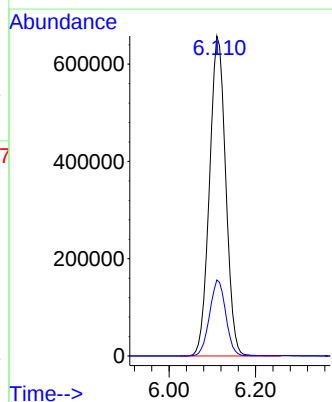
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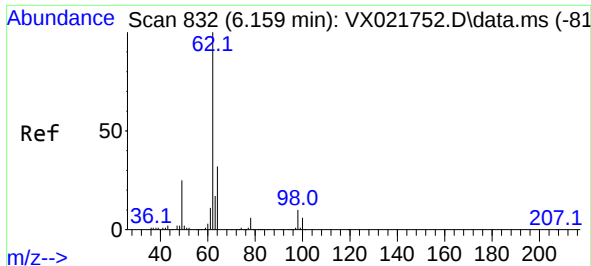


#40
Benzene
Concen: 235.90 ug/l
RT: 6.110 min Scan# 824
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



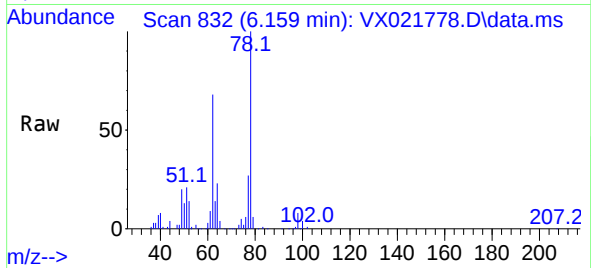
Tgt Ion: 78 Resp: 1713667
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3





#42
1,2-Dichloroethane
Concen: 13.33 ug/l
RT: 6.159 min Scan# 832
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

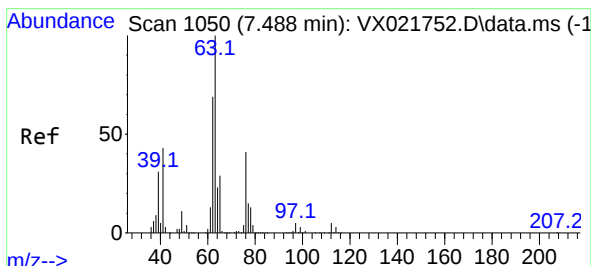
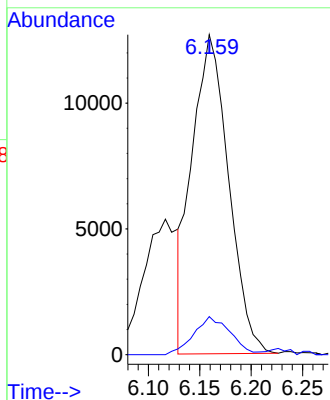
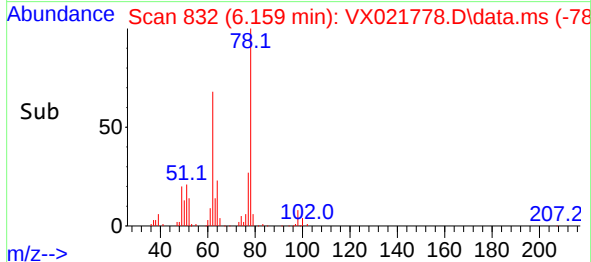
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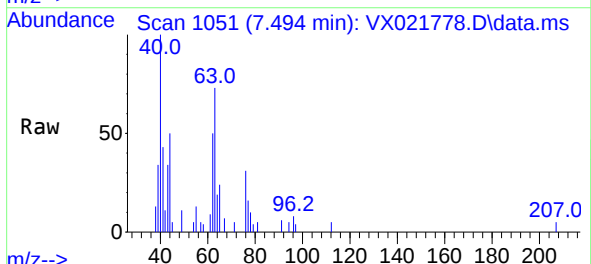
Tgt Ion: 62 Resp: 31429
Ion Ratio Lower Upper
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98 11.9 0.0 20.2

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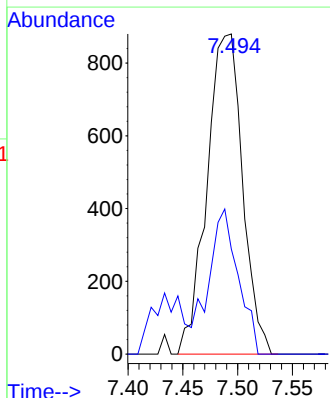
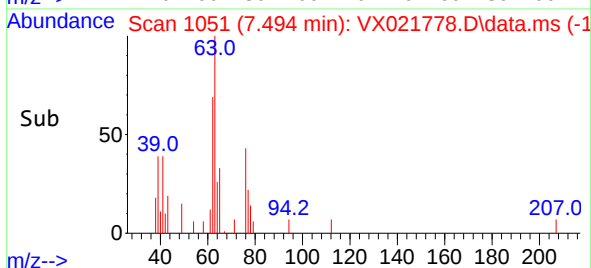
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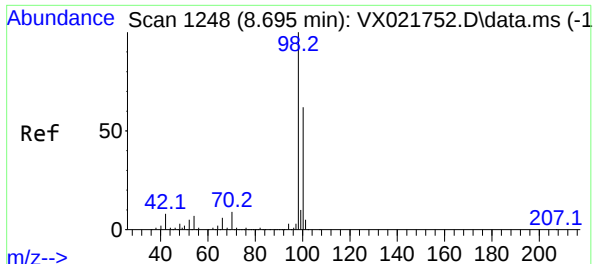


#45
1,2-Dichloropropane
Concen: 1.04 ug/l
RT: 7.494 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



Tgt Ion: 63 Resp: 1990
Ion Ratio Lower Upper
63 100
65 32.8 25.7 38.5





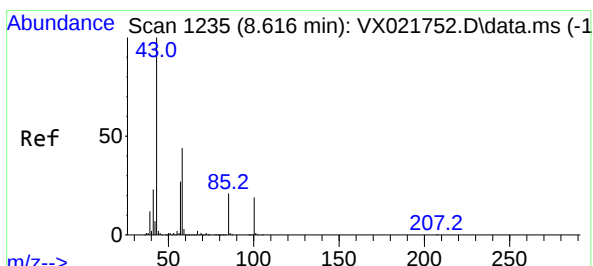
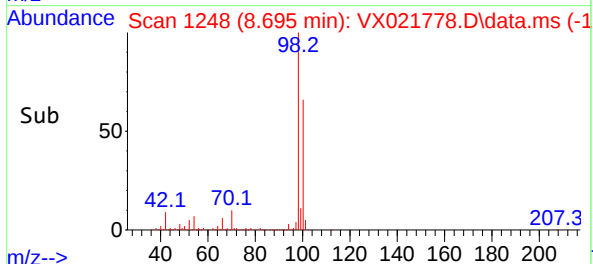
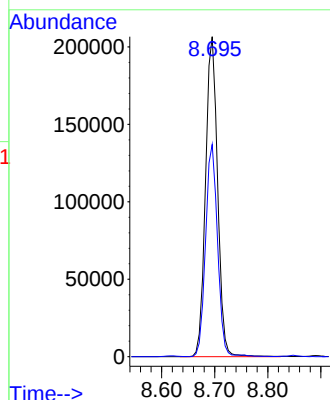
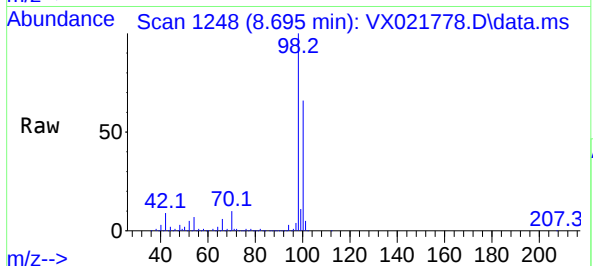
#50
Toluene-d8
Concen: 47.96 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 98 Resp: 325349
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

Instrument :
MSVOA_X
ClientSampleId :
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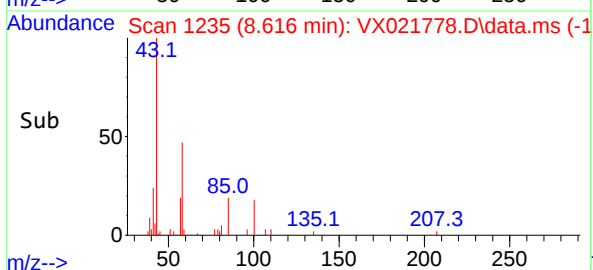
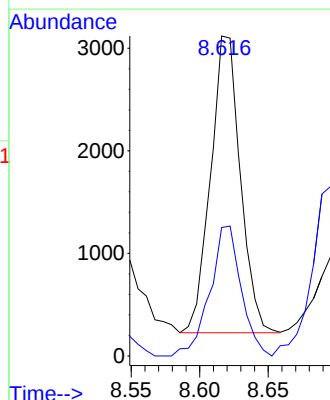
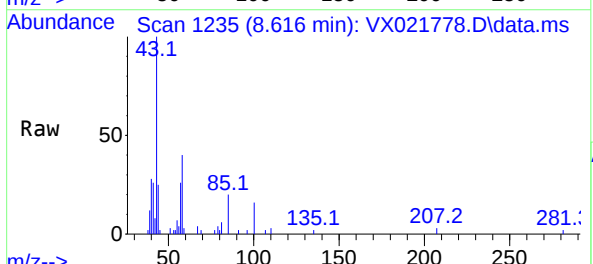
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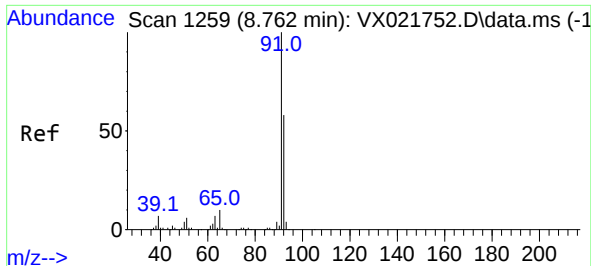
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#51
4-Methyl-2-Pentanone
Concen: 1.90 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 43 Resp: 4367
Ion Ratio Lower Upper
43 100
58 45.9 35.4 53.0





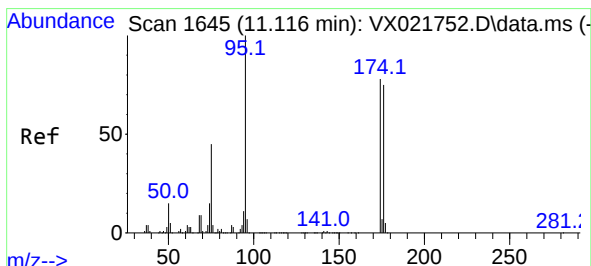
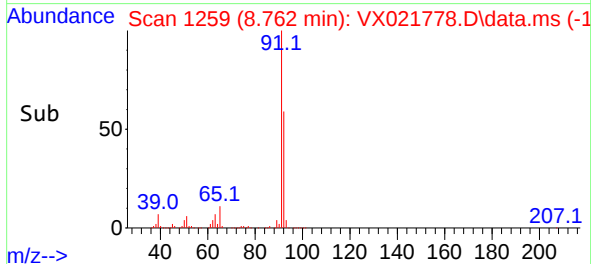
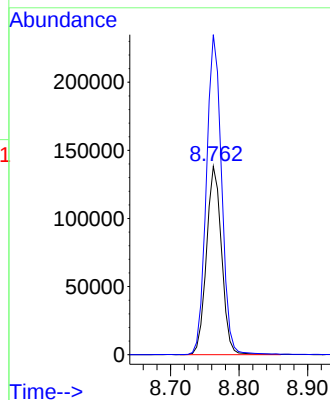
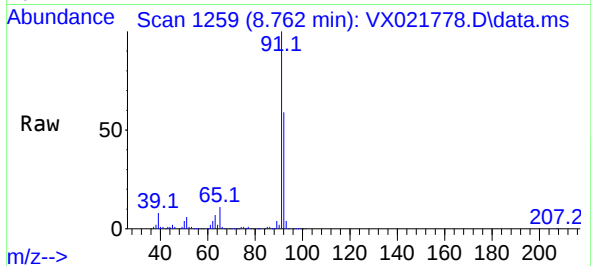
#52
Toluene
Concen: 45.11 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 92 Resp: 212608
Ion Ratio Lower Upper
92 100
91 171.4 137.1 205.7

Instrument :
MSVOA_X
ClientSampleId :
MW-12

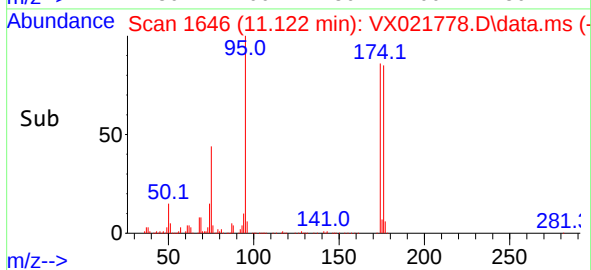
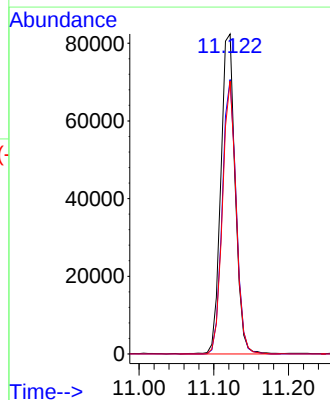
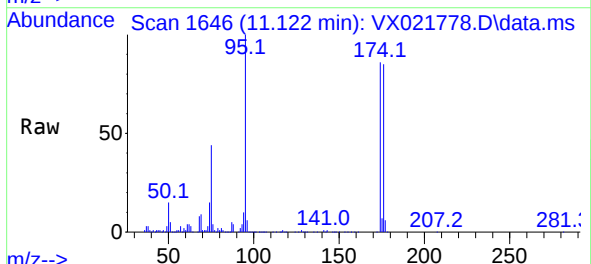
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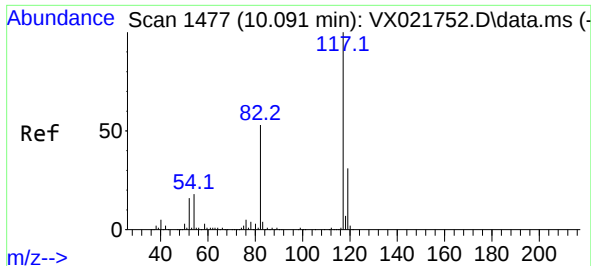
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#62
4-Bromofluorobenzene
Concen: 43.50 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 95 Resp: 110207
Ion Ratio Lower Upper
95 100
174 82.6 0.0 154.6
176 80.7 0.0 155.8





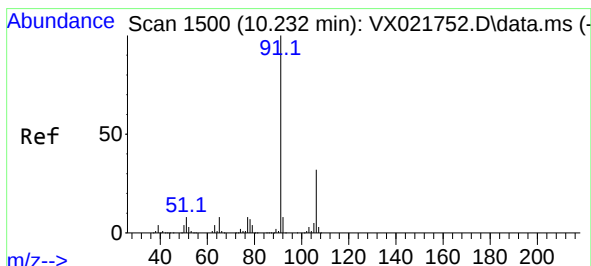
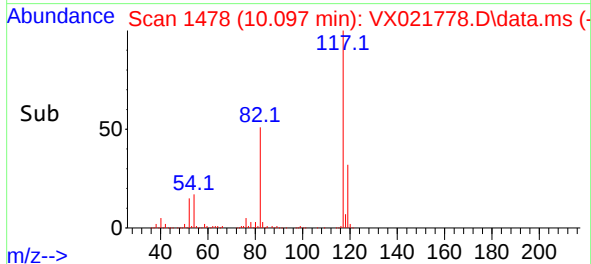
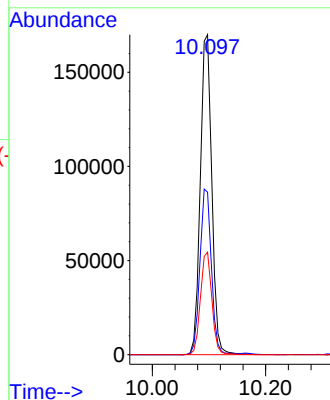
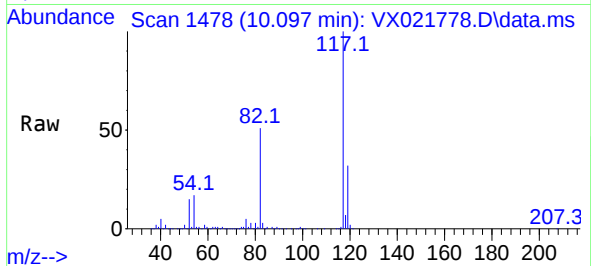
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.097 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 117 Resp: 238873
Ion Ratio Lower Upper
117 100
82 50.8 47.4 71.2
119 32.1 26.6 39.8

Instrument :
MSVOA_X
ClientSampled :
MW-12

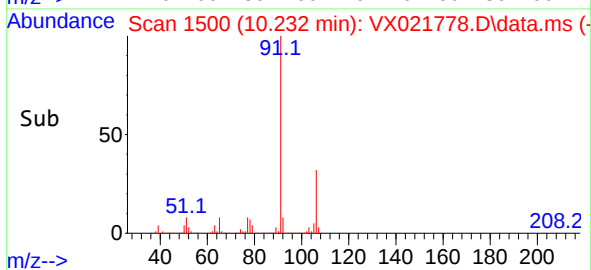
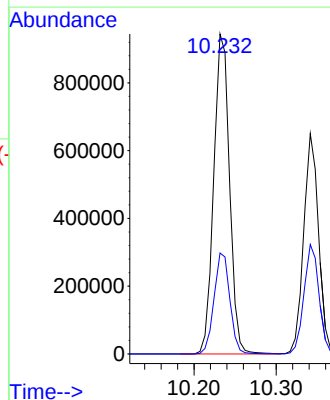
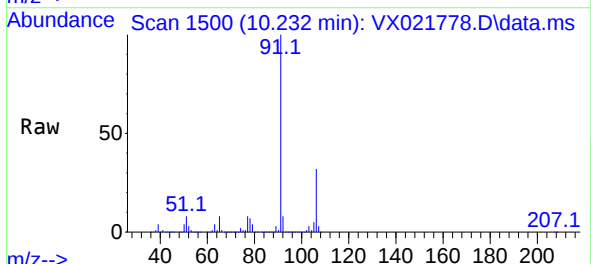
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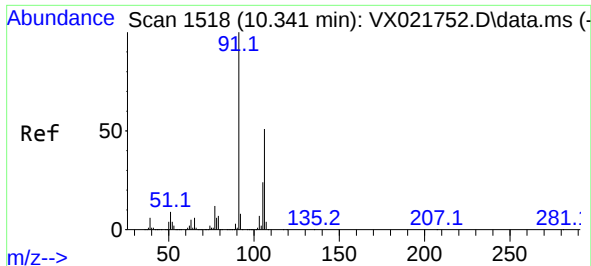
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#67
Ethyl Benzene
Concen: 147.01 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 91 Resp: 1254975
Ion Ratio Lower Upper
91 100
106 31.5 24.6 37.0





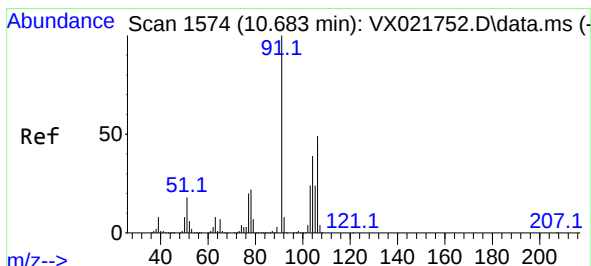
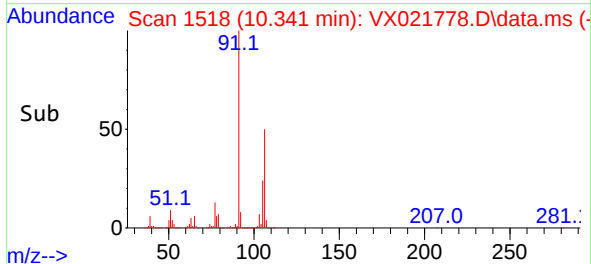
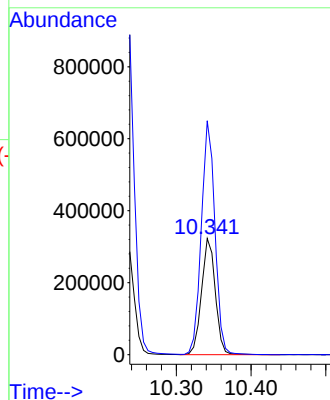
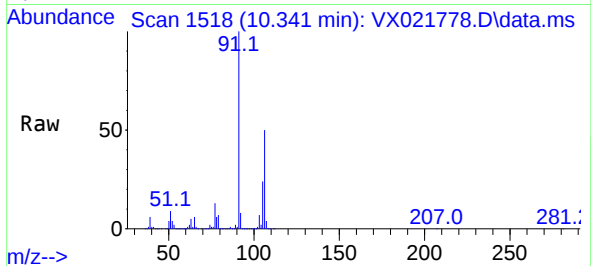
#68
m/p-Xylenes
Concen: 124.77 ug/l
RT: 10.341 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion:106 Resp: 412115
Ion Ratio Lower Upper
106 100
91 199.1 162.8 244.2

Instrument :
MSVOA_X
ClientSampleId :
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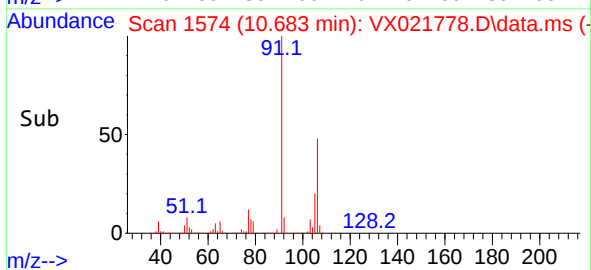
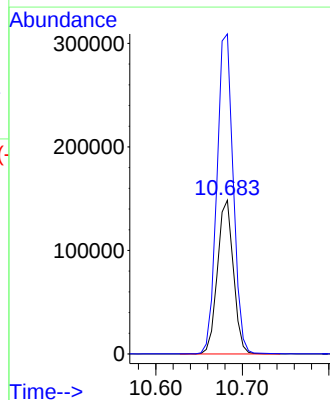
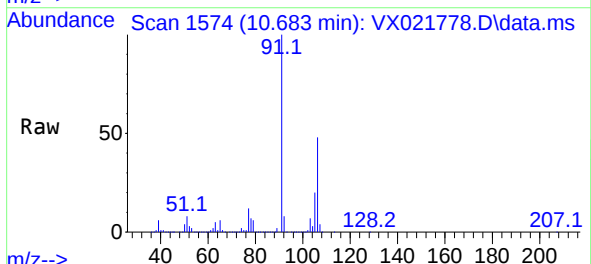
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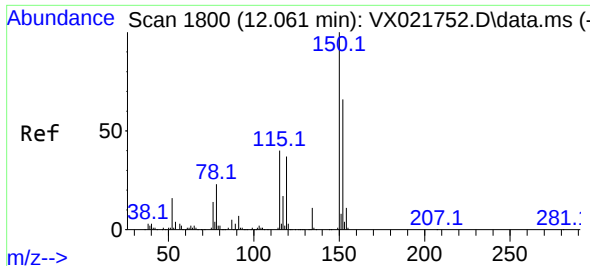
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#69
o-Xylene
Concen: 59.64 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion:106 Resp: 189924
Ion Ratio Lower Upper
106 100
91 212.9 108.1 324.2





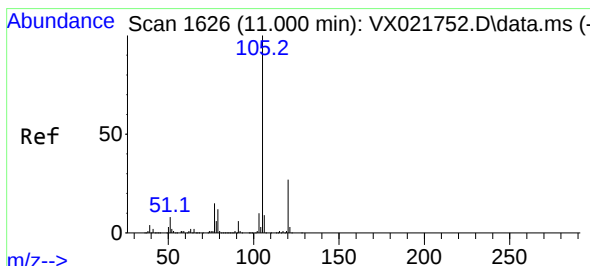
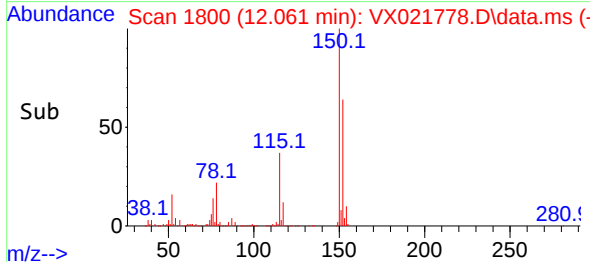
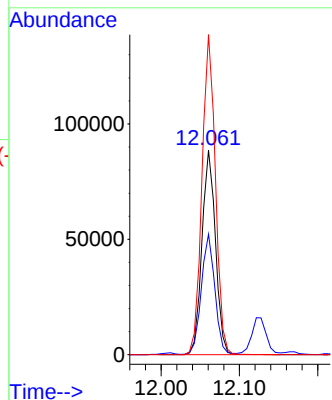
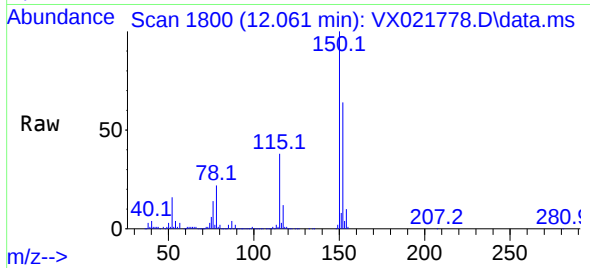
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion:152 Resp: 106261
Ion Ratio Lower Upper
152 100
115 58.6 41.1 123.3
150 155.4 0.0 349.0

Instrument :
MSVOA_X
ClientSampled :
MW-12

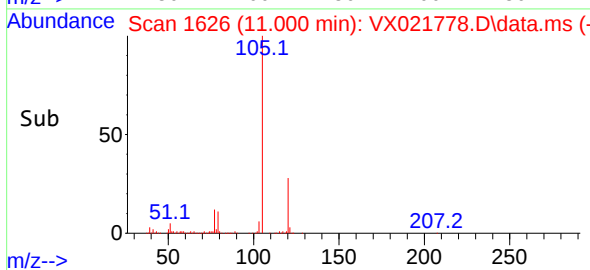
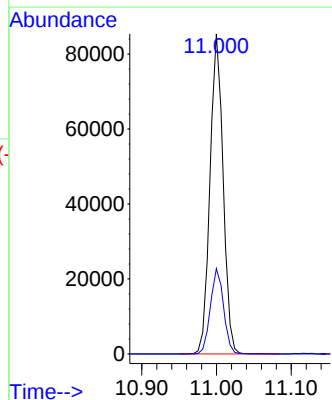
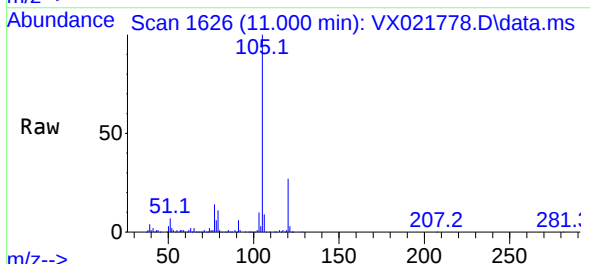
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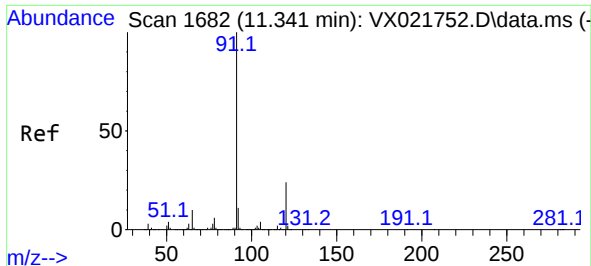
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#73
Isopropylbenzene
Concen: 13.93 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

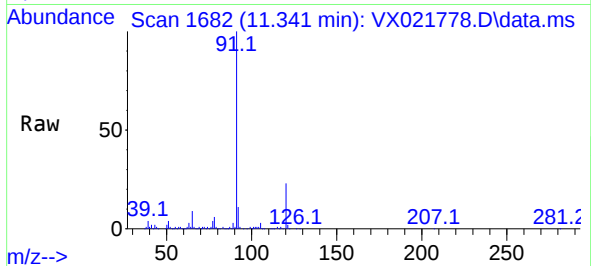
Tgt Ion:105 Resp: 103866
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.6





#78
n-propylbenzene
Concen: 17.40 ug/l
RT: 11.341 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

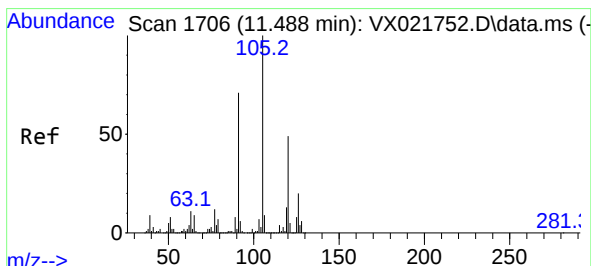
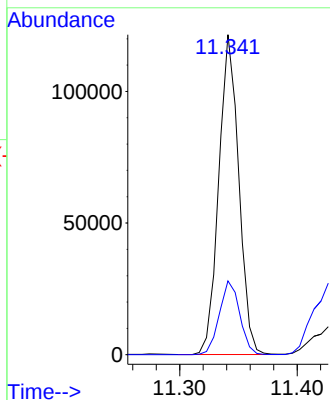
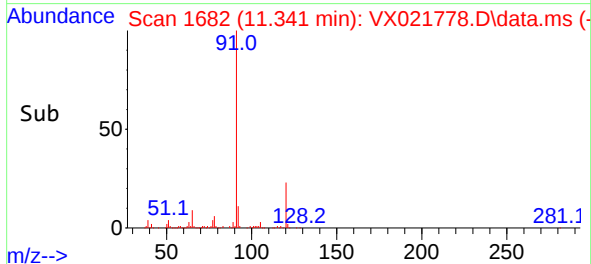
Instrument :
MSVOA_X
ClientSampled :
MW-12



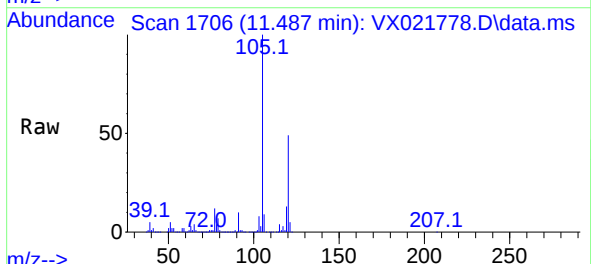
Tgt Ion: 91 Resp: 143504
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.5

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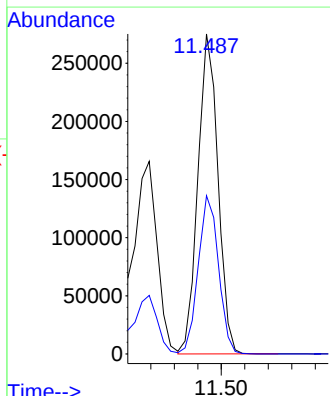
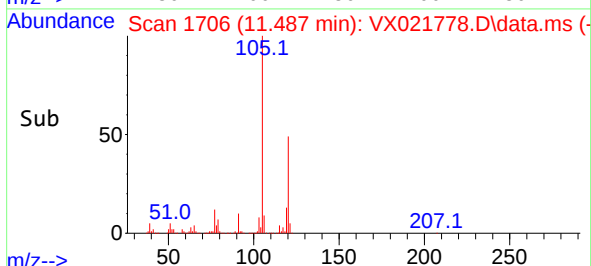
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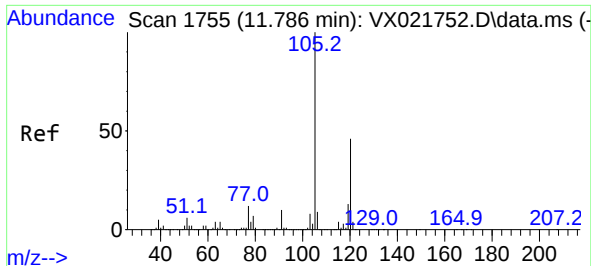


#80
1,3,5-Trimethylbenzene
Concen: 51.63 ug/l
RT: 11.487 min Scan# 1706
Delta R.T. -0.001 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



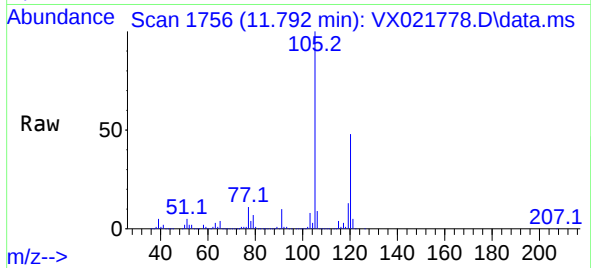
Tgt Ion: 105 Resp: 325982
Ion Ratio Lower Upper
105 100
120 50.1 23.8 71.5





#84
1,2,4-Trimethylbenzene
Concen: 160.44 ug/l
RT: 11.792 min Scan# 1756
Delta R.T. 0.006 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

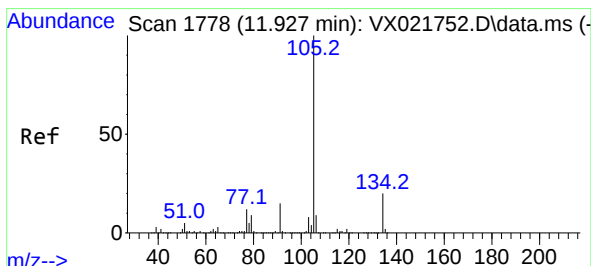
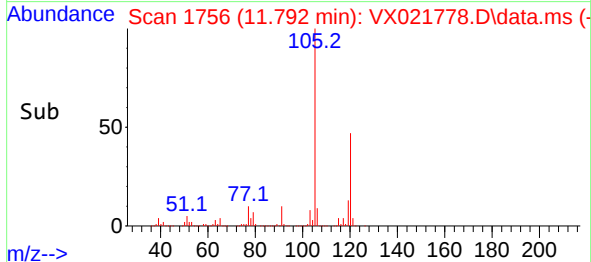
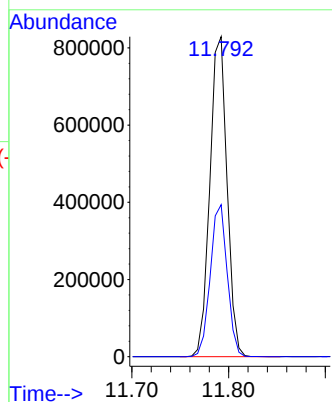
Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:105 Resp: 1023147
Ion Ratio Lower Upper
105 100
120 47.0 22.4 67.3

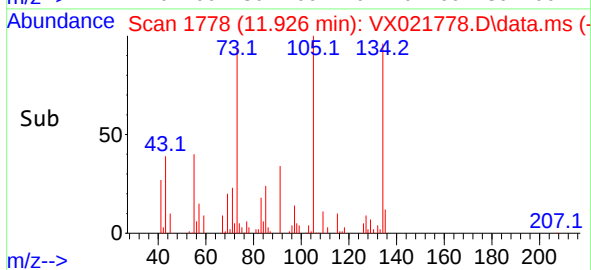
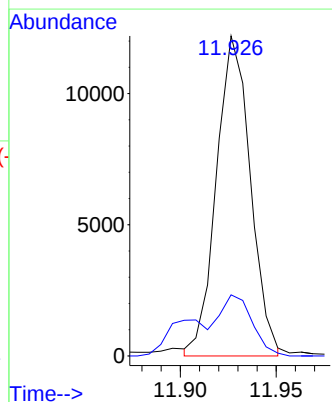
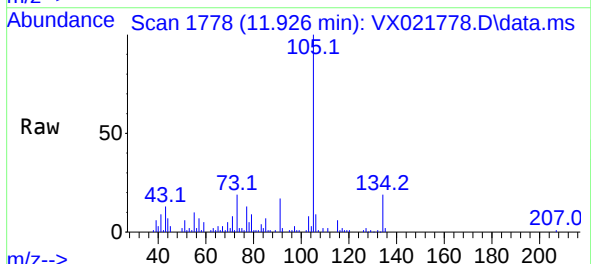
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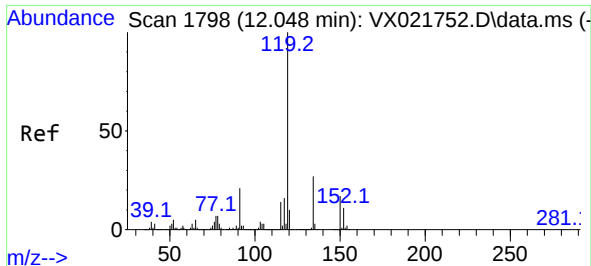
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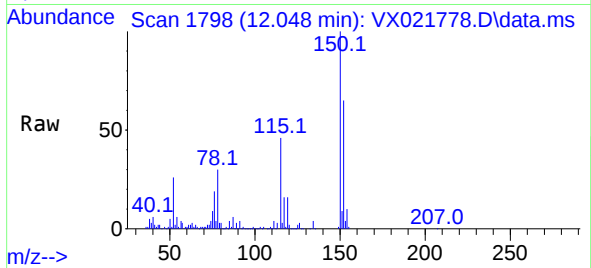
#85
sec-Butylbenzene
Concen: 2.08 ug/l m
RT: 11.926 min Scan# 1778
Delta R.T. -0.001 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56

Tgt Ion:105 Resp: 15011
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#

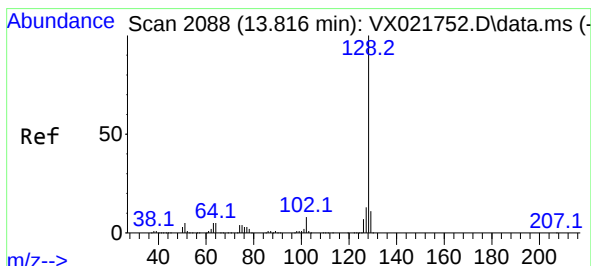
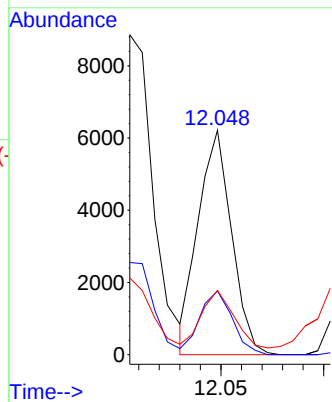
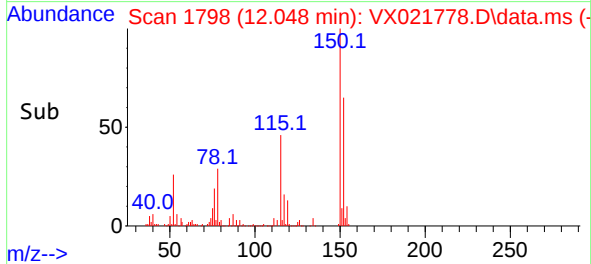




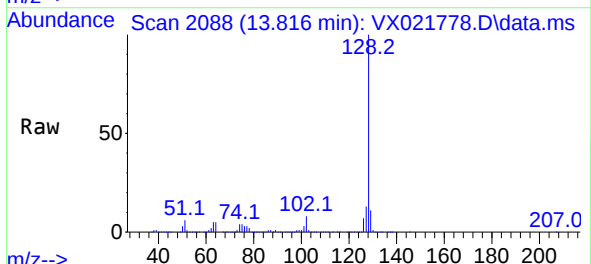
#86
p-Isopropyltoluene
Concen: 1.02 ug/l
RT: 12.048 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



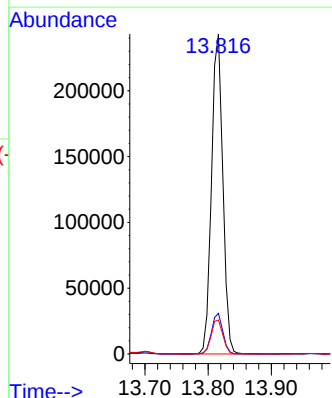
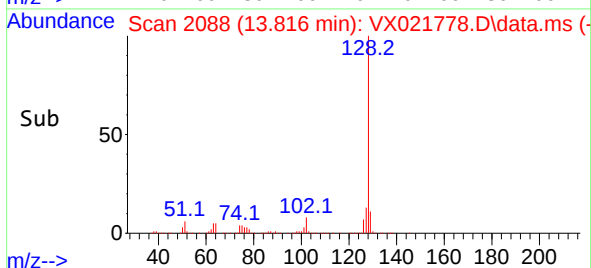
Tgt Ion:119 Resp: 7032
Ion Ratio Lower Upper
119 100
134 27.8 12.9 38.7
91 0.0 11.7 35.0#



#95
Naphthalene
Concen: 42.27 ug/l
RT: 13.816 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VX021778.D
Acq: 21 Apr 2021 00:56



Tgt Ion:128 Resp: 302787
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.1 8.8 13.2



Instrument :
MSVOA_X
ClientSampleId :
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