

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042121\
 Data File : VX021805.D
 Acq On : 21 Apr 2021 20:00
 Operator : JC/MD
 Sample : M2079-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13

Manual Integrations
 APPROVED

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 4/22/2021 12:12:09 PM

Quant Time: Apr 22 09:08:19 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	147132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	250168	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	221928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	106585	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	83626	50.10	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.20%			
35) Dibromofluoromethane	5.464	113	78486	49.06	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.12%			
50) Toluene-d8	8.695	98	298955	48.60	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.20%			
62) 4-Bromofluorobenzene	11.122	95	106373	46.31	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.62%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.014	59	1169	3.20	ug/l #	52
16) Acetone	2.422	43	24636	42.93	ug/l	96
17) Carbon Disulfide	2.550	76	2873	0.74	ug/l	96
21) trans-1,2-Dichloroethene	3.148	96	704	0.45	ug/l #	72
25) 2-Butanone	4.635	43	6786	6.98	ug/l	90
30) Chloroform	5.184	83	3087	1.10	ug/l	100
39) Methylcyclohexane	7.433	83	1262	0.44	ug/l	95
40) Benzene	6.111	78	2108	0.32	ug/l	91
67) Ethyl Benzene	10.232	91	20365	2.57	ug/l	100
68) m/p-Xylenes	10.341	106	17466	5.69	ug/l	99
69) o-Xylene	10.683	106	10285	3.48	ug/l	99
73) Isopropylbenzene	11.000	105	4063	0.54	ug/l	94
78) n-propylbenzene	11.341	91	6857	0.83	ug/l	96
80) 1,3,5-Trimethylbenzene	11.488	105	12006	1.90	ug/l	97
82) 4-Chlorotoluene	11.494	91	3160	0.56	ug/l	90
84) 1,2,4-Trimethylbenzene	11.786	105	31824	4.98	ug/l	95
85) sec-Butylbenzene	11.927	105	2826	0.39	ug/l	97
86) p-Isopropyltoluene	12.048	119	2957m	0.43	ug/l	
89) n-Butylbenzene	12.372	91	5340	0.92	ug/l #	71
91) 1,2-Dichlorobenzene	12.378	146	1079	0.33	ug/l	96
93) 1,2,4-Trichlorobenzene	13.627	180	2019	0.85	ug/l	92
94) Hexachlorobutadiene	13.762	225	1205	1.03	ug/l	92
95) Naphthalene	13.816	128	11356	1.58	ug/l	99
96) 1,2,3-Trichlorobenzene	13.999	180	1715	0.75	ug/l	94

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

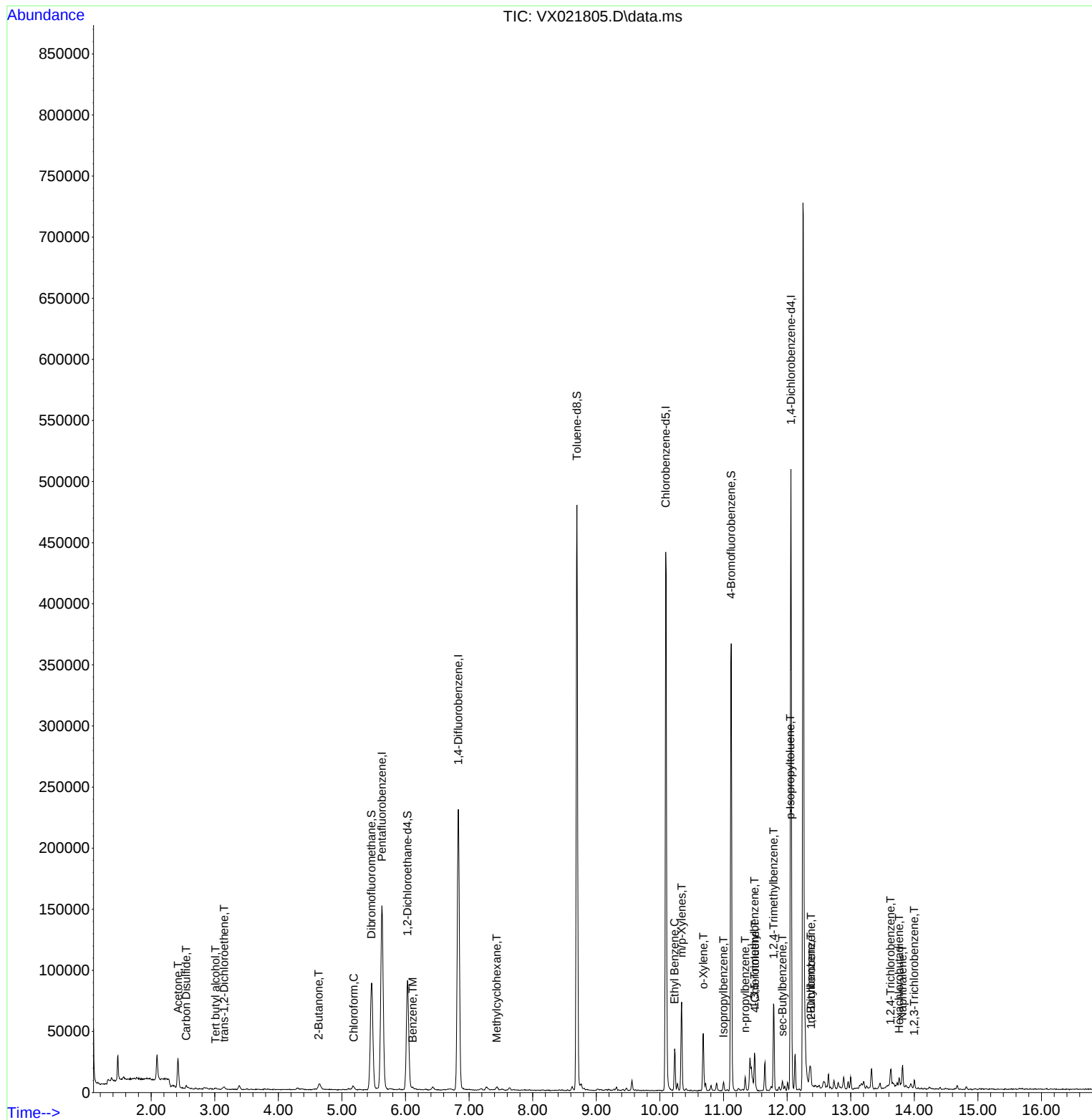
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042121\
Data File : VX021805.D
Acq On : 21 Apr 2021 20:00
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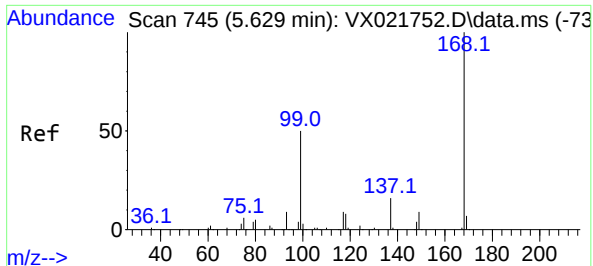
Instrument :
MSVOA_X
ClientSampleId :
MW-13

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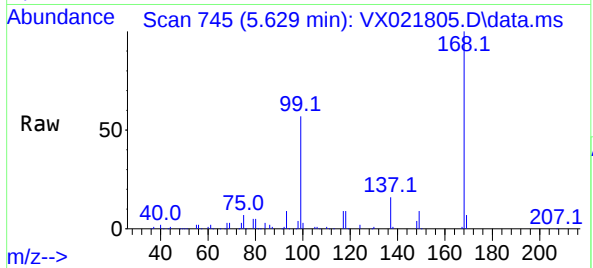
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Quant Time: Apr 22 09:08:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

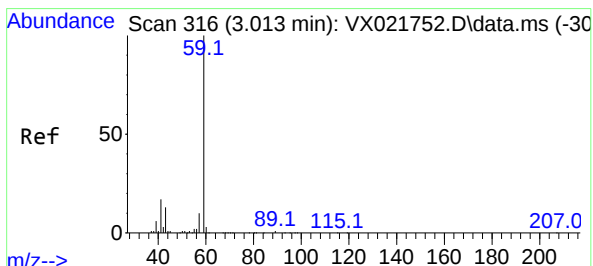
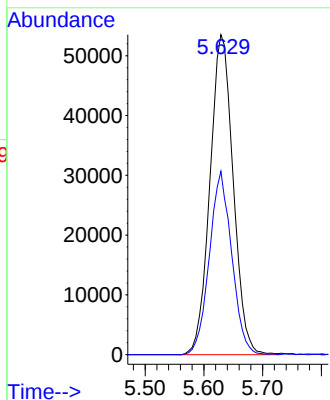
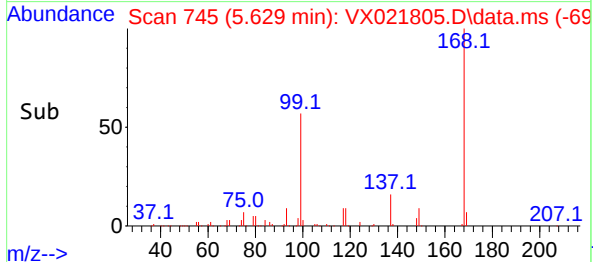




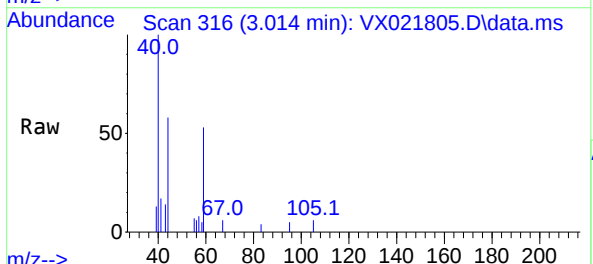
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



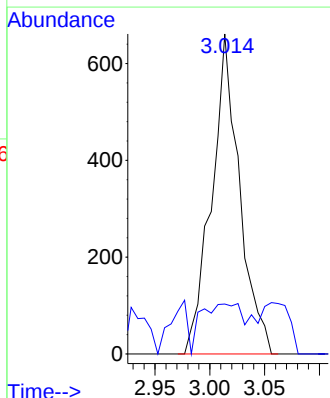
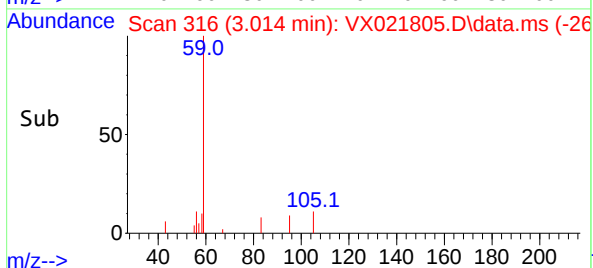
Tgt Ion:168 Resp: 147132
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



#11
Tert butyl alcohol
Concen: 3.20 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.001 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



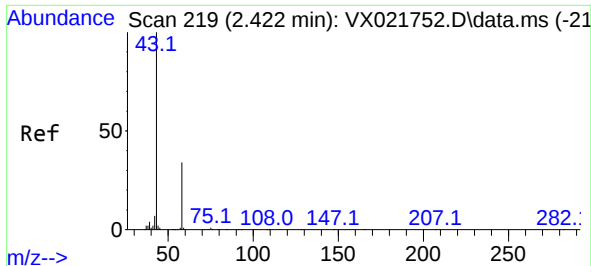
Tgt Ion: 59 Resp: 1169
Ion Ratio Lower Upper
59 100
57 27.4 7.8 11.8#



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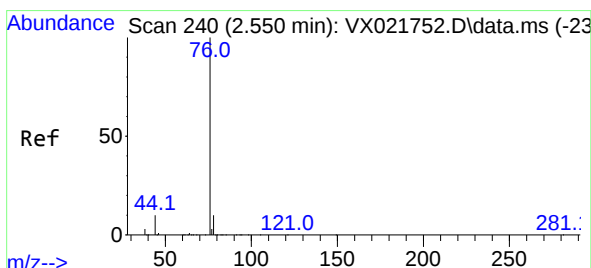
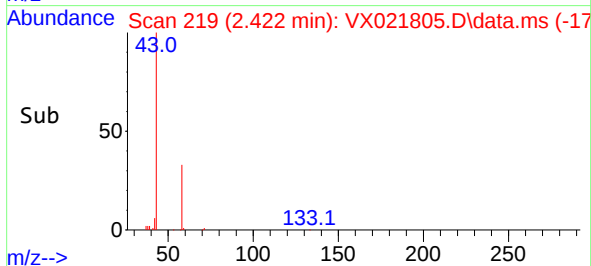
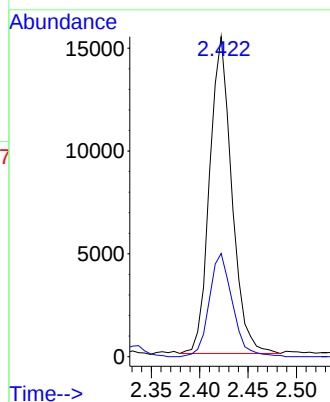
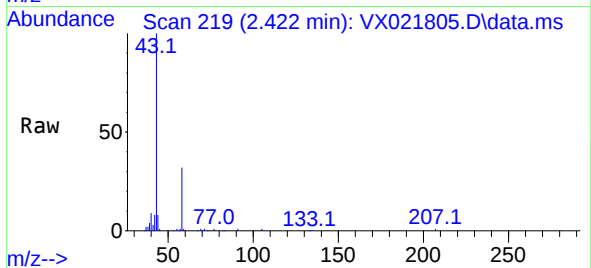
#16
Acetone
Concen: 42.93 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

Tgt Ion: 43 Resp: 24636
Ion Ratio Lower Upper
43 100
58 32.6 27.8 41.8

Instrument :
MSVOA_X
ClientSampled :
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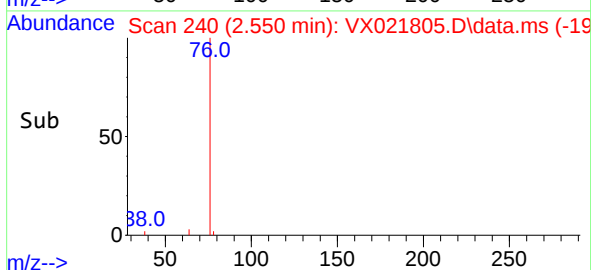
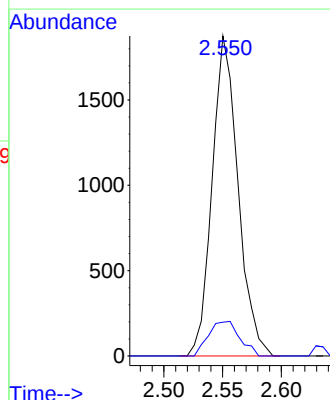
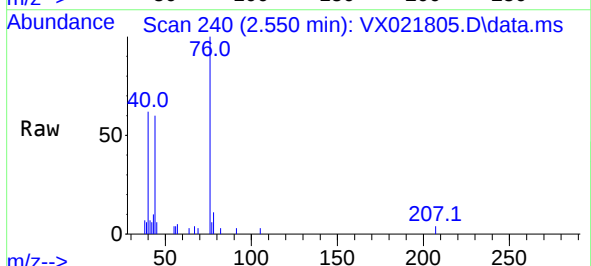
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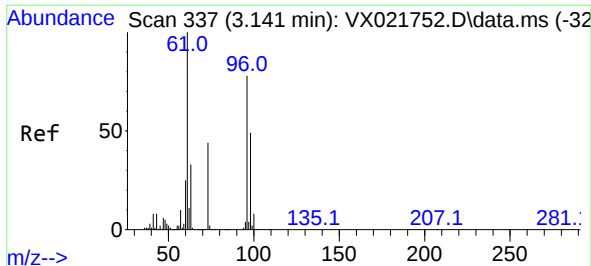
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#17
Carbon Disulfide
Concen: 0.74 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

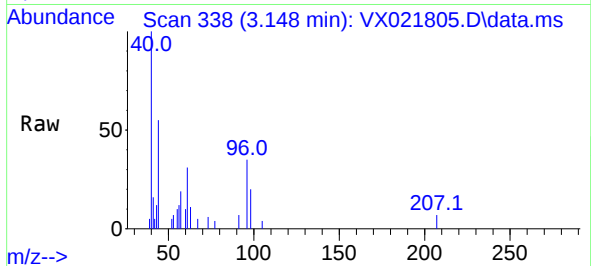
Tgt Ion: 76 Resp: 2873
Ion Ratio Lower Upper
76 100
78 10.6 7.2 10.8





#21
trans-1,2-Dichloroethene
Concen: 0.45 ug/l
RT: 3.148 min Scan# 338
Delta R.T. 0.007 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

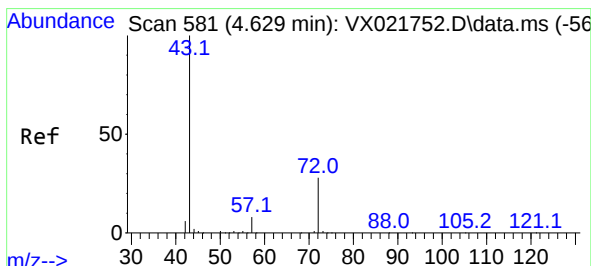
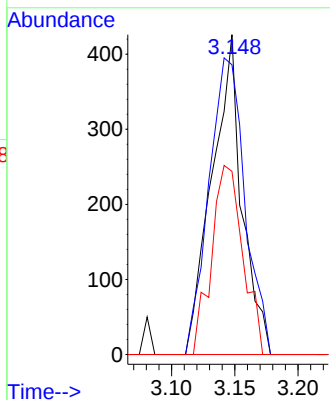
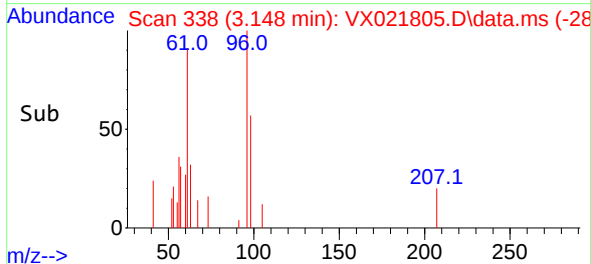
Instrument :
MSVOA_X
ClientSampled :
MW-13



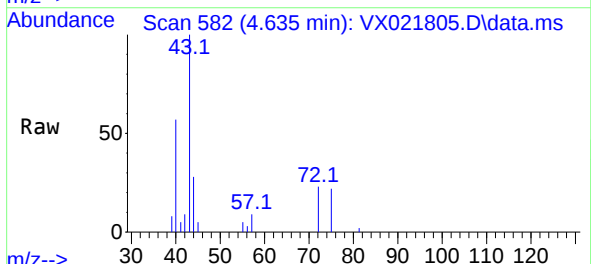
Tgt Ion: 96 Resp: 704
Ion Ratio Lower Upper
96 100
61 90.6 107.7 161.5#
98 57.3 50.4 75.6

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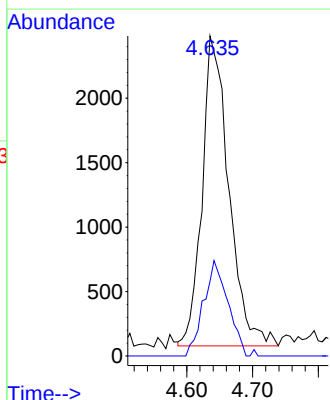
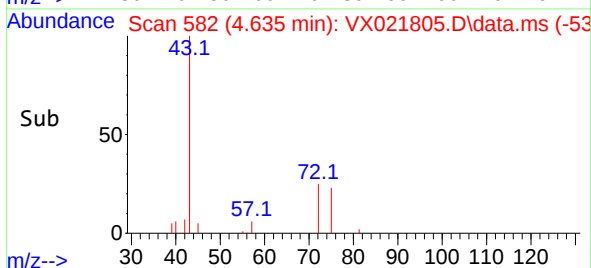
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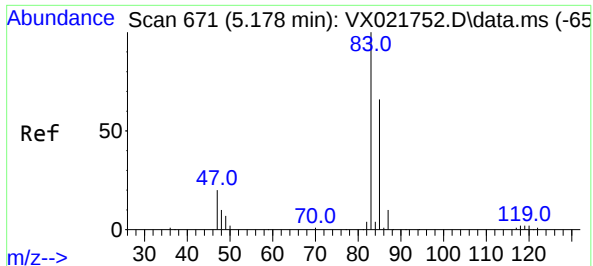


#25
2-Butanone
Concen: 6.98 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.006 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



Tgt Ion: 43 Resp: 6786
Ion Ratio Lower Upper
43 100
72 24.2 23.7 35.5





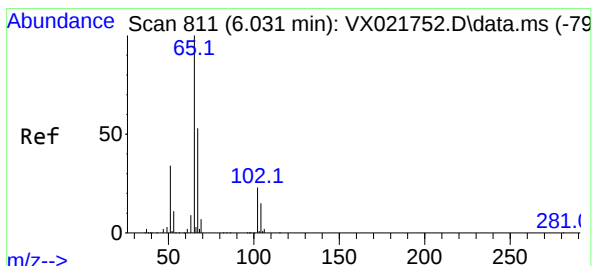
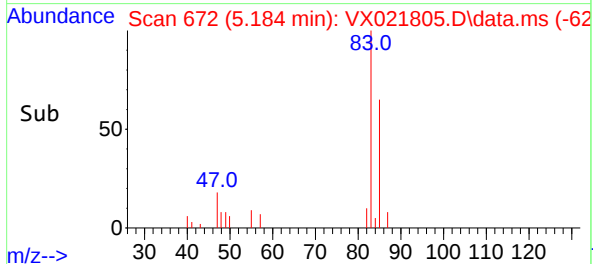
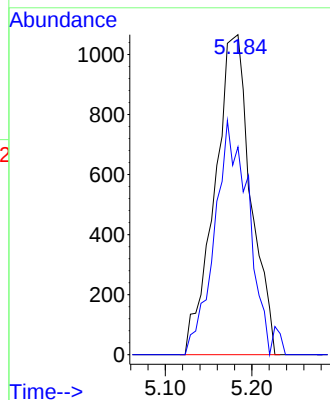
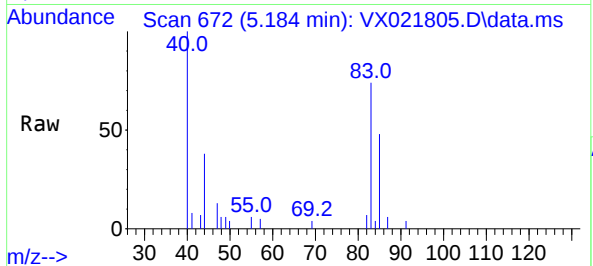
#30
Chloroform
Concen: 1.10 ug/l
RT: 5.184 min Scan# 672
Delta R.T. 0.006 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

Tgt Ion: 83 Resp: 3087
Ion Ratio Lower Upper
83 100
85 64.9 52.0 78.0

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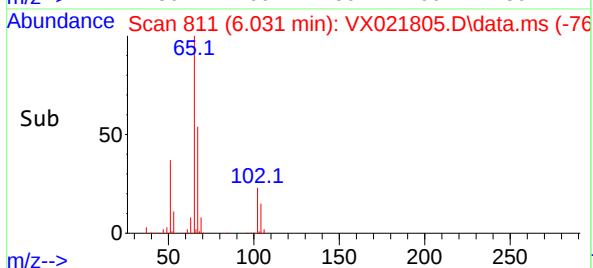
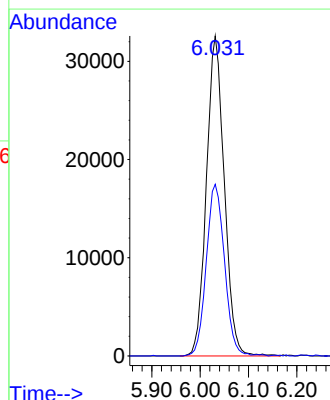
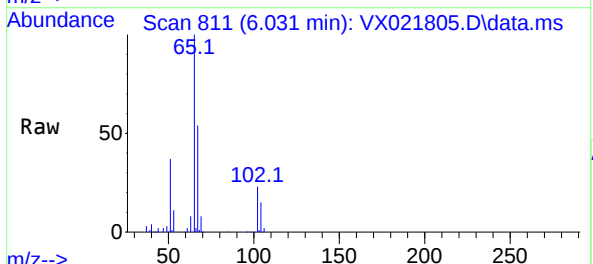
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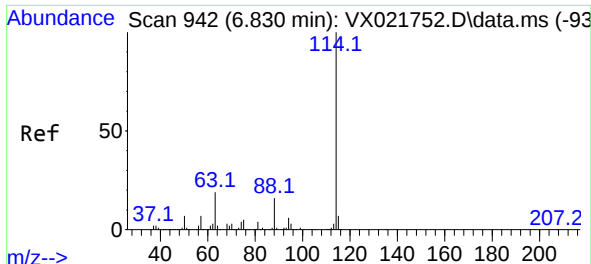
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#33
1,2-Dichloroethane-d4
Concen: 50.10 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

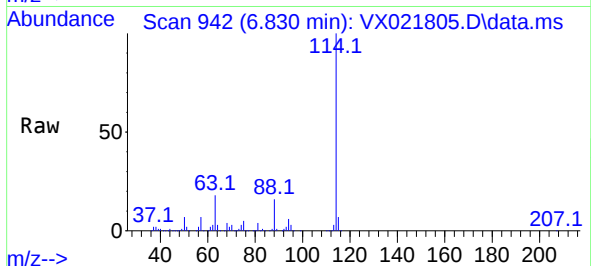
Tgt Ion: 65 Resp: 83626
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.4





#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

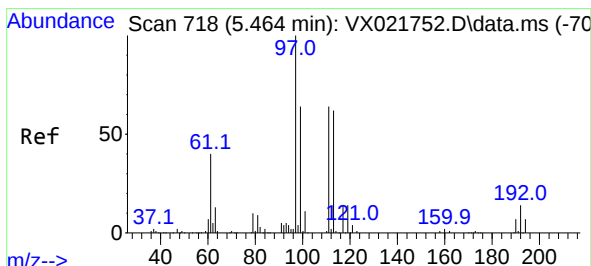
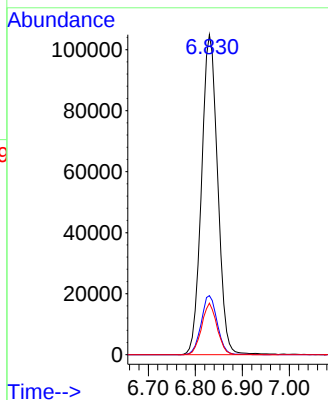
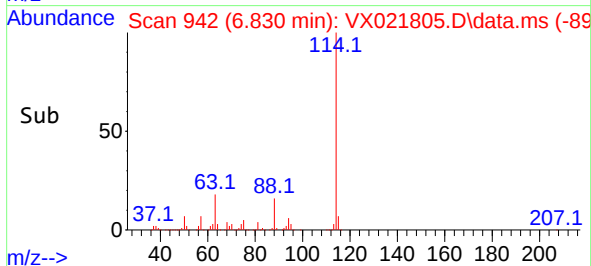
Instrument :
MSVOA_X
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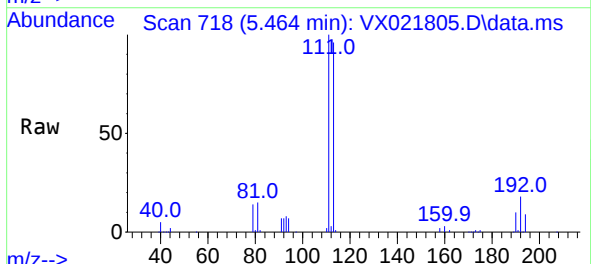
Tgt Ion:114 Resp: 250168
Ion Ratio Lower Upper
114 100
63 18.5 0.0 40.8
88 16.1 0.0 32.8

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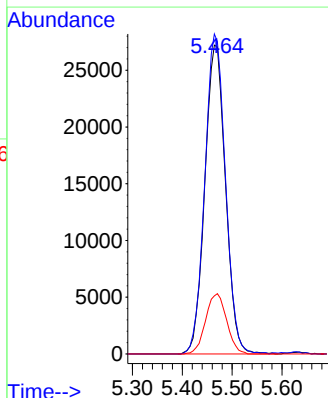
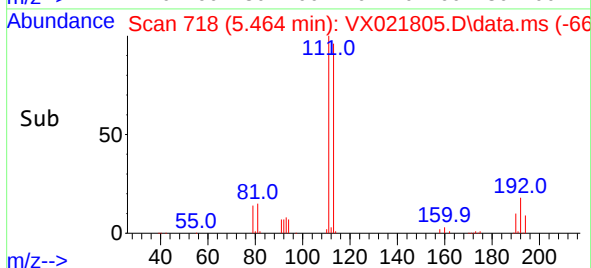
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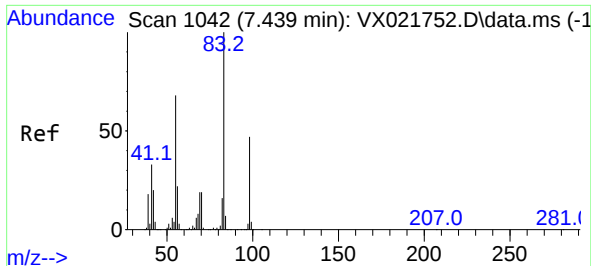


#35
Dibromofluoromethane
Concen: 49.06 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

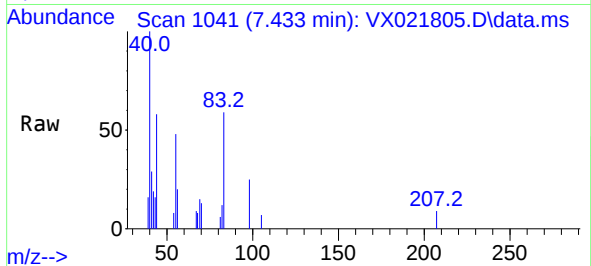


Tgt Ion:113 Resp: 78486
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 19.8 16.7 25.1



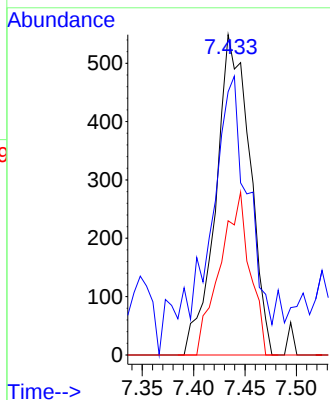


#39
Methylcyclohexane
Concen: 0.44 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



Tgt Ion: 83 Resp: 1262

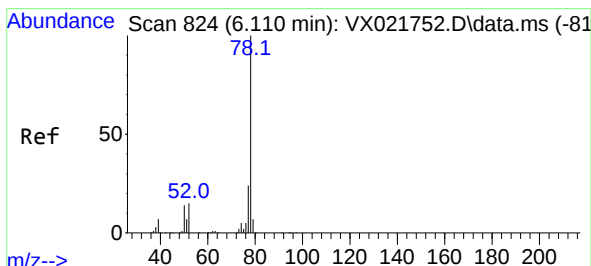
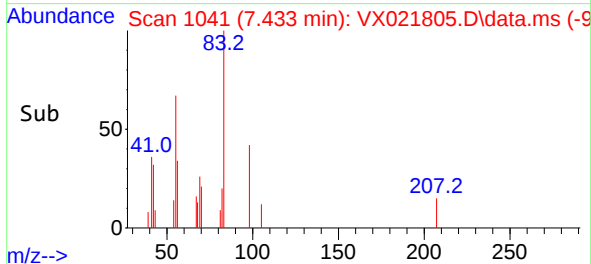
Ion	Ratio	Lower	Upper
83	100		
55	70.9	58.9	88.3
98	41.9	38.1	57.1



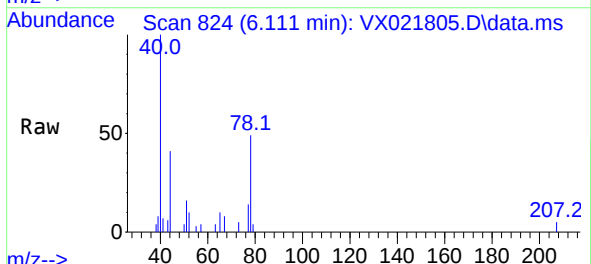
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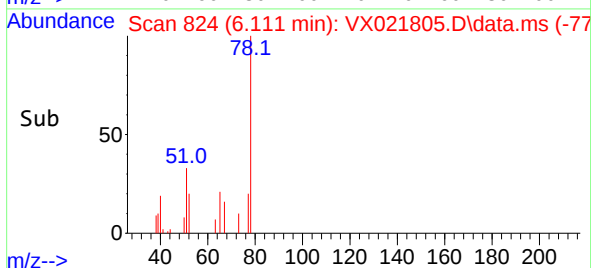
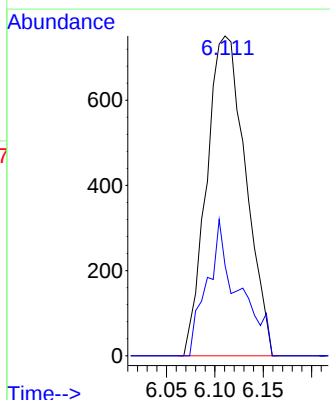


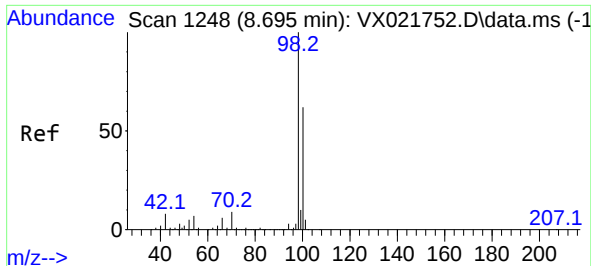
#40
Benzene
Concen: 0.32 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.001 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



Tgt Ion: 78 Resp: 2108

Ion	Ratio	Lower	Upper
78	100		
77	28.2	18.9	28.3





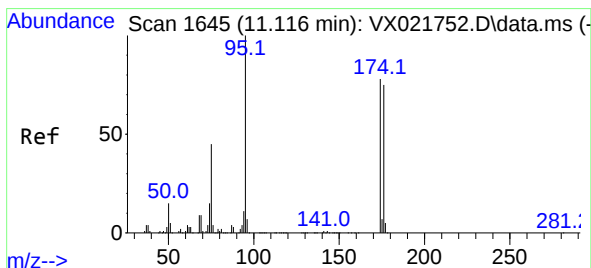
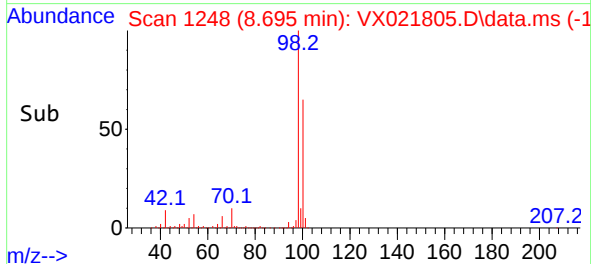
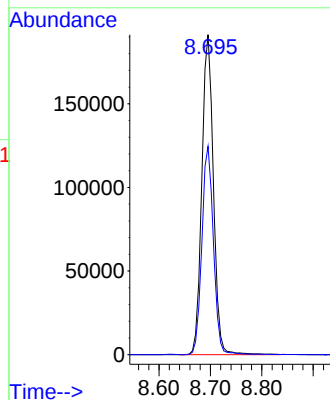
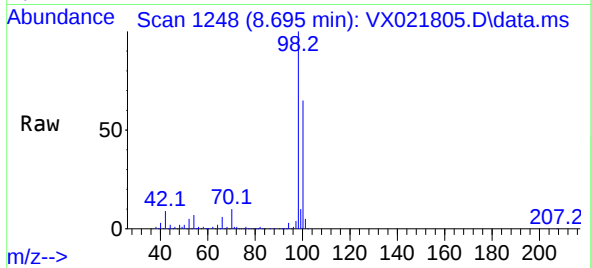
#50
Toluene-d8
Concen: 48.60 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

Tgt Ion: 98 Resp: 298955
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

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ClientSampled :
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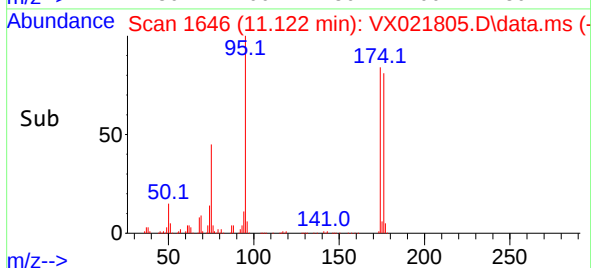
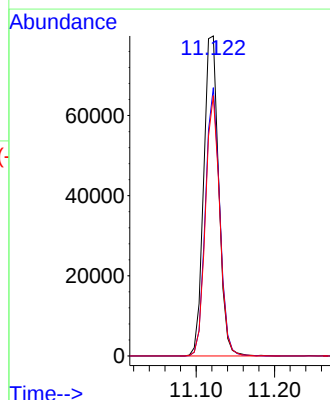
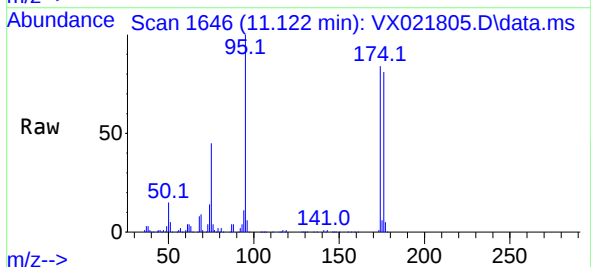
Manual Integrations
APPROVED

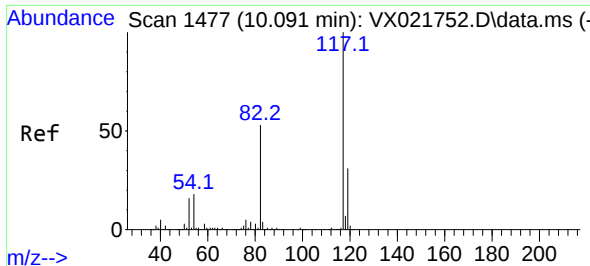
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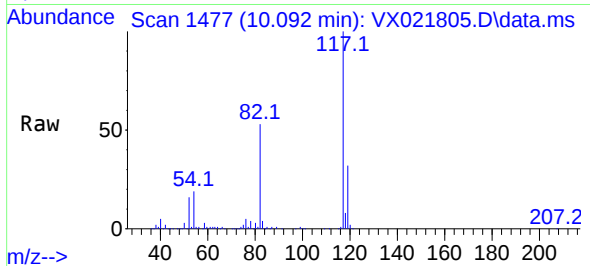
#62
4-Bromofluorobenzene
Concen: 46.31 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

Tgt Ion: 95 Resp: 106373
Ion Ratio Lower Upper
95 100
174 79.7 0.0 154.6
176 77.2 0.0 155.8

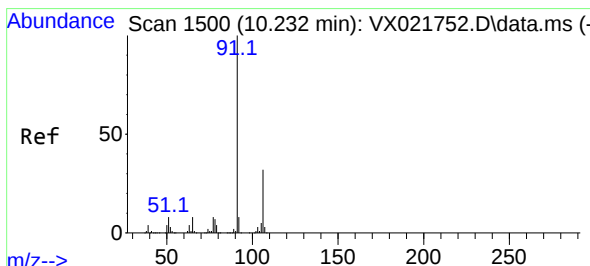
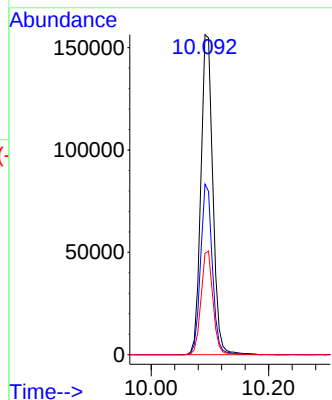
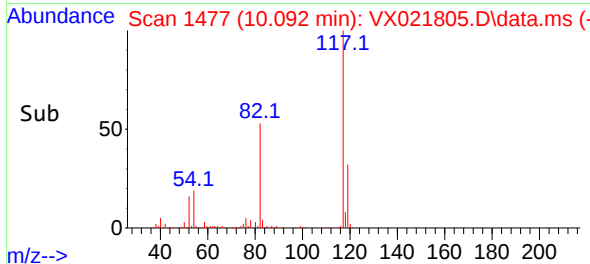




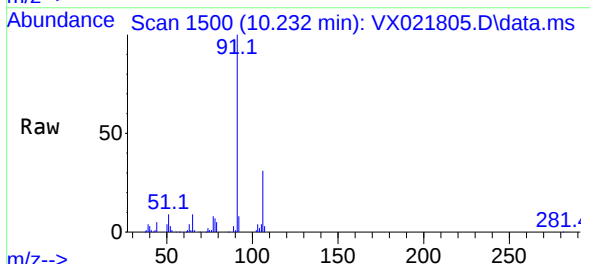
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



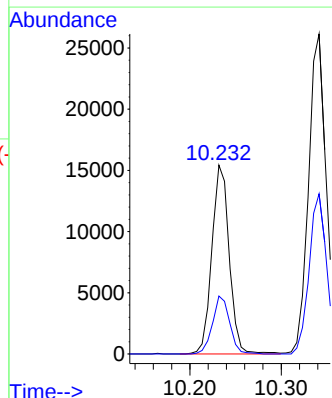
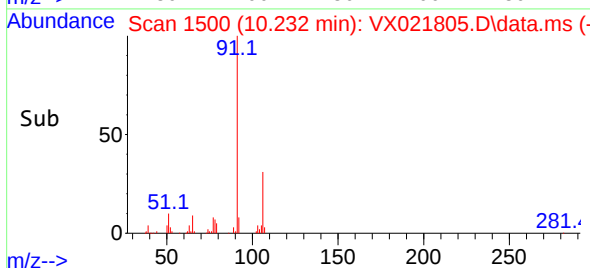
Tgt Ion: 117 Resp: 221928
Ion Ratio Lower Upper
117 100
82 53.3 47.4 71.2
119 31.6 26.6 39.8



#67
Ethyl Benzene
Concen: 2.57 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



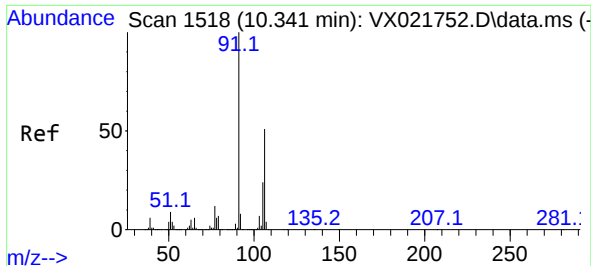
Tgt Ion: 91 Resp: 20365
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0



Instrument :
MSVOA_X
ClientSampleId :
MW-13

Manual Integrations
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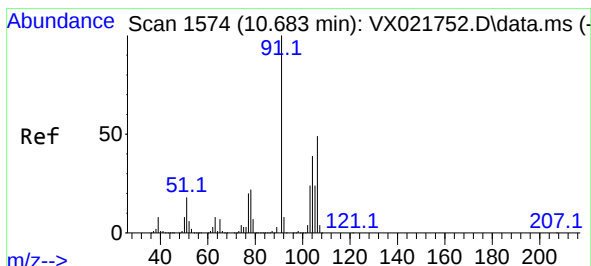
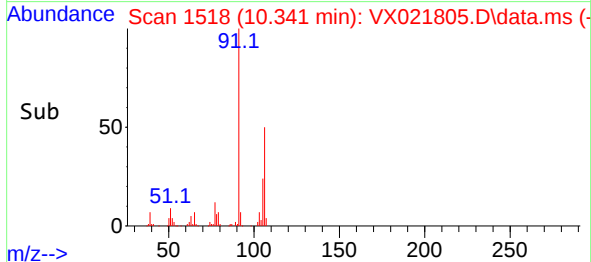
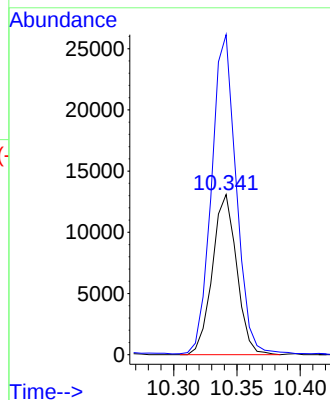
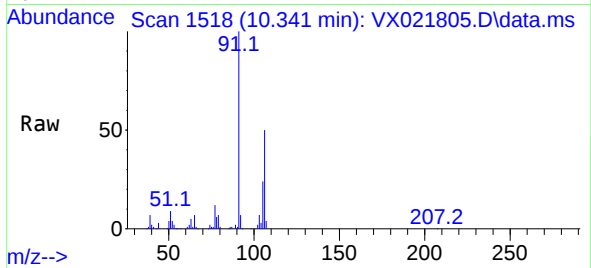
#68
m/p-Xylenes
Concen: 5.69 ug/l
RT: 10.341 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

Tgt Ion:106 Resp: 17466
Ion Ratio Lower Upper
106 100
91 204.5 162.8 244.2

Instrument :
MSVOA_X
ClientSampled :
MW-13

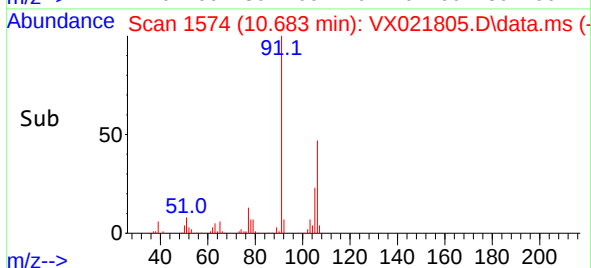
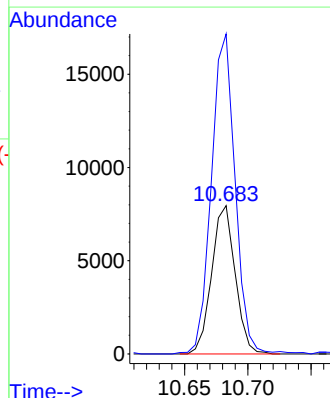
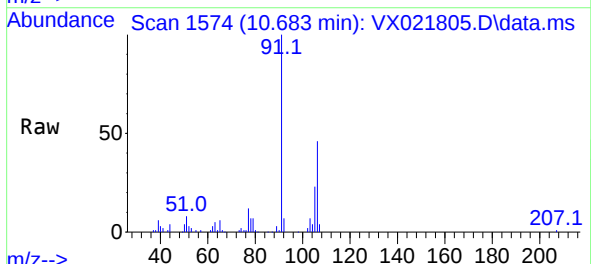
Manual Integrations
APPROVED

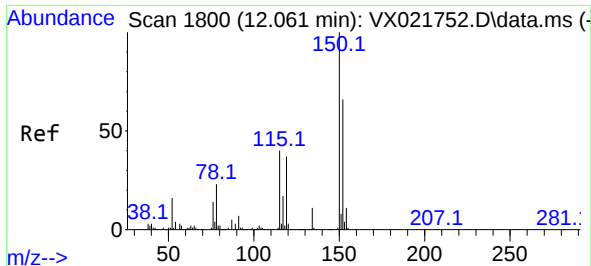
MMDadoda
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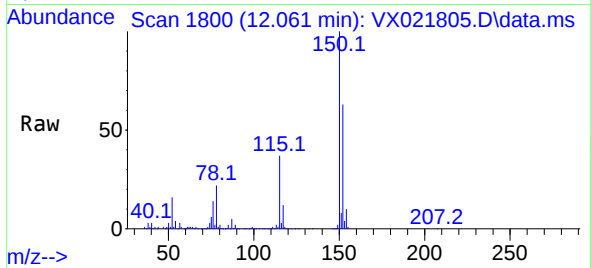
#69
o-Xylene
Concen: 3.48 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

Tgt Ion:106 Resp: 10285
Ion Ratio Lower Upper
106 100
91 217.8 108.1 324.2

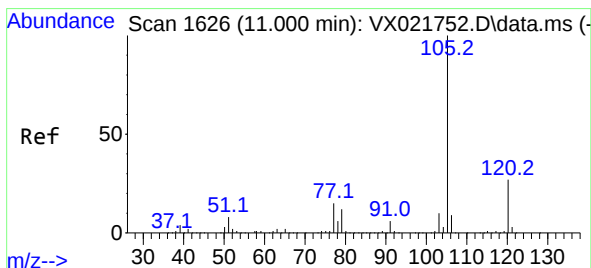
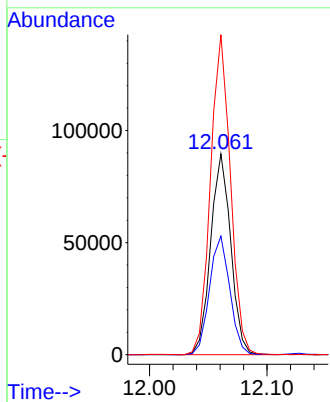
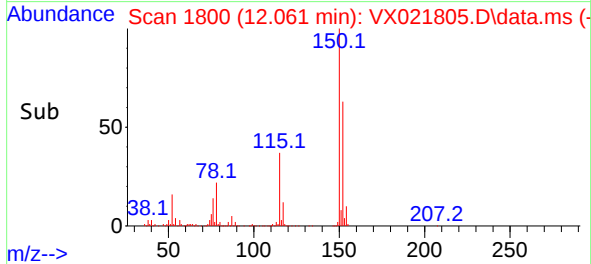




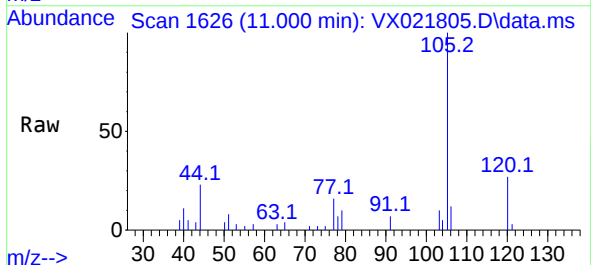
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



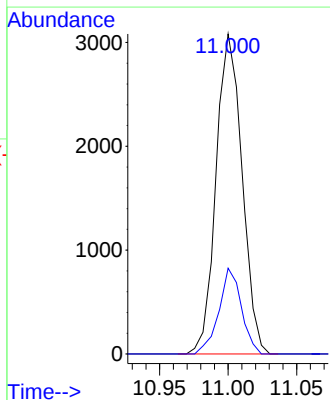
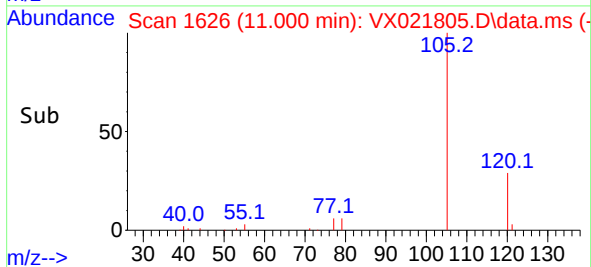
Tgt Ion:152 Resp: 106585
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 157.8 0.0 349.0



#73
Isopropylbenzene
Concen: 0.54 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



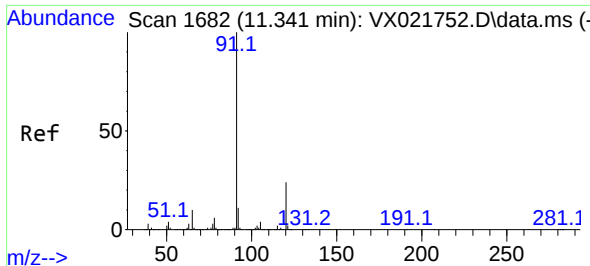
Tgt Ion:105 Resp: 4063
Ion Ratio Lower Upper
105 100
120 23.2 13.2 39.6



Instrument :
MSVOA_X
ClientSampled :
MW-13

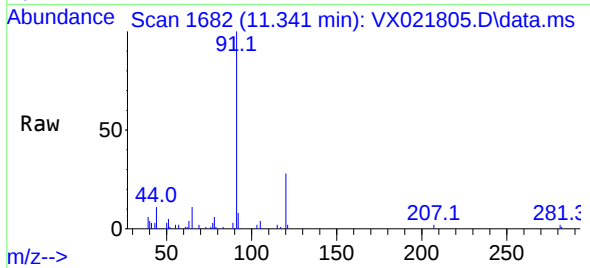
Manual Integrations
APPROVED

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#78
n-propylbenzene
Concen: 0.83 ug/l
RT: 11.341 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

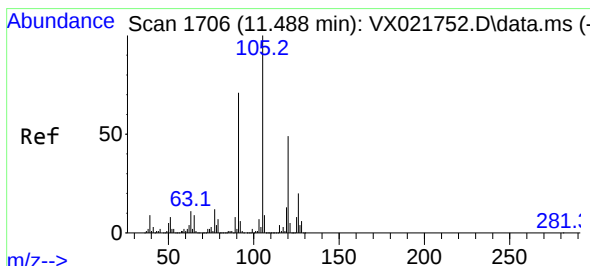
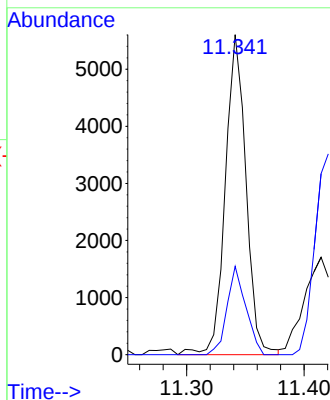
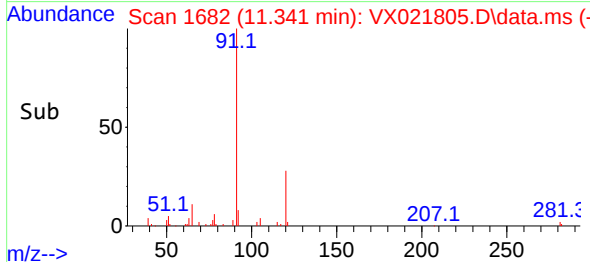
Instrument :
MSVOA_X
ClientSampled :
MW-13



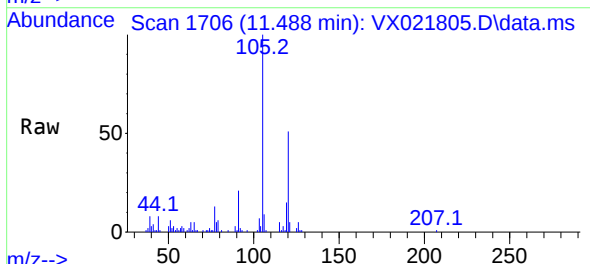
Tgt Ion: 91 Resp: 6857
Ion Ratio Lower Upper
91 100
120 25.1 11.5 34.5

Manual Integrations
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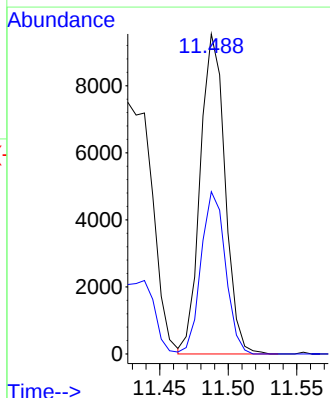
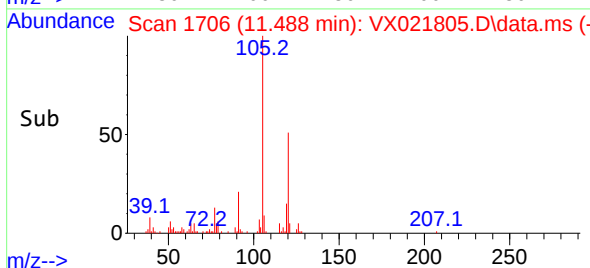
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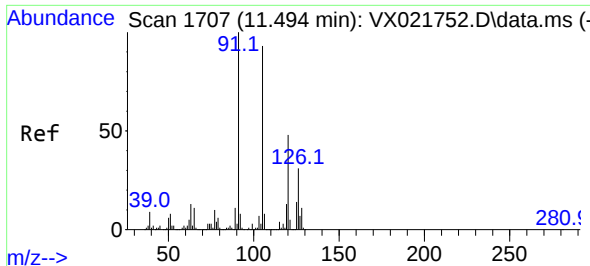


#80
1,3,5-Trimethylbenzene
Concen: 1.90 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

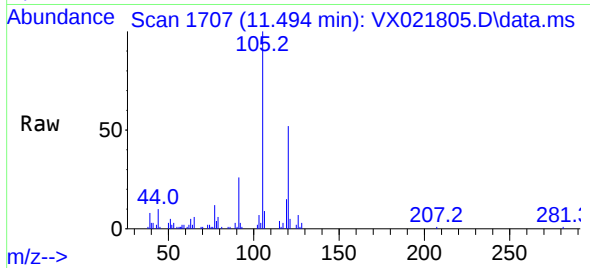


Tgt Ion: 105 Resp: 12006
Ion Ratio Lower Upper
105 100
120 50.0 23.8 71.5

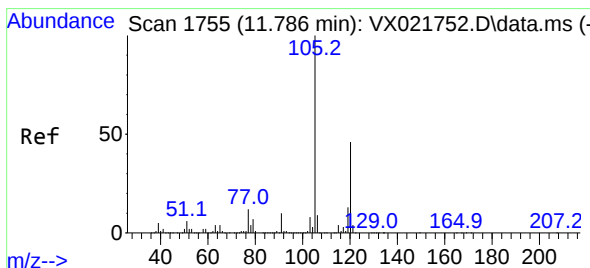
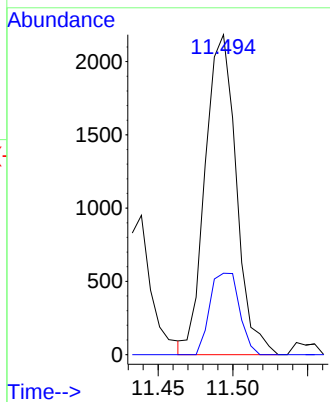
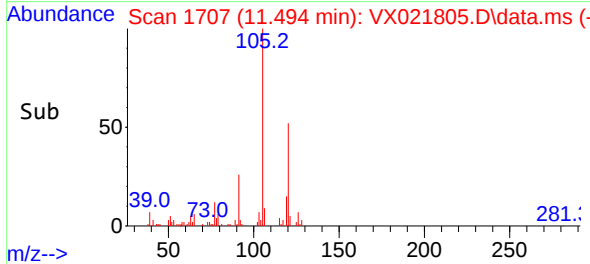




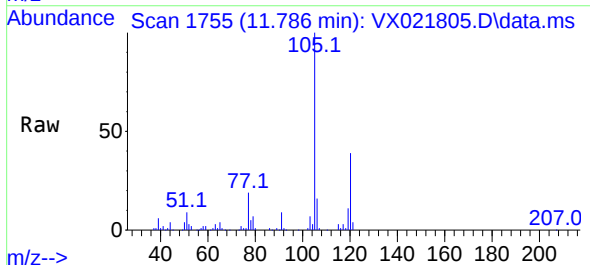
#82
4-Chlorotoluene
Concen: 0.56 ug/l
RT: 11.494 min Scan# 1707
Delta R.T. -0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



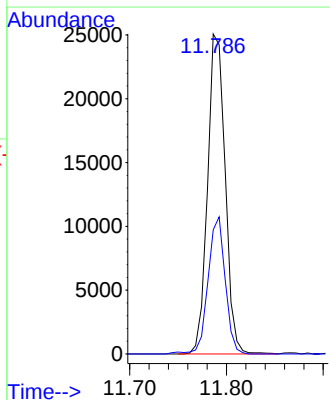
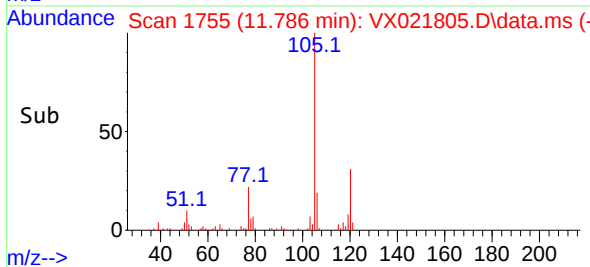
Tgt Ion: 91 Resp: 3160
Ion Ratio Lower Upper
91 100
126 24.1 14.9 44.5



#84
1,2,4-Trimethylbenzene
Concen: 4.98 ug/l
RT: 11.786 min Scan# 1755
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



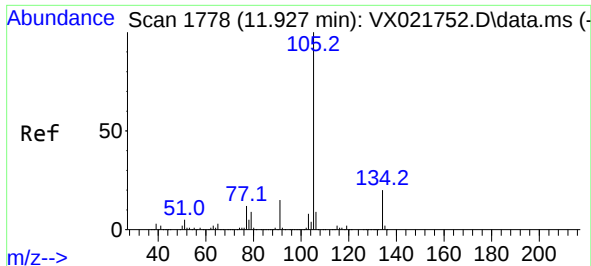
Tgt Ion: 105 Resp: 31824
Ion Ratio Lower Upper
105 100
120 41.6 22.4 67.3



Instrument :
MSVOA_X
ClientSampled :
MW-13

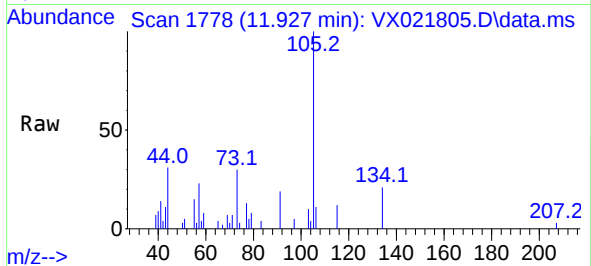
Manual Integrations
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#85
 sec-Butylbenzene
 Concen: 0.39 ug/l
 RT: 11.927 min Scan# 1778
 Delta R.T. -0.000 min
 Lab File: VX021805.D
 Acq: 21 Apr 2021 20:00

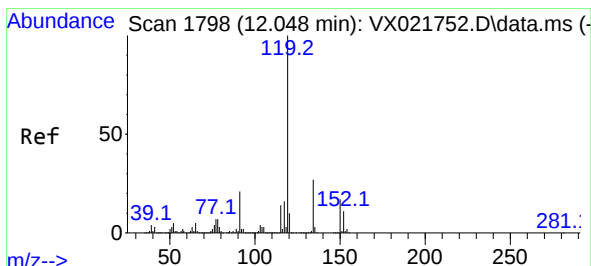
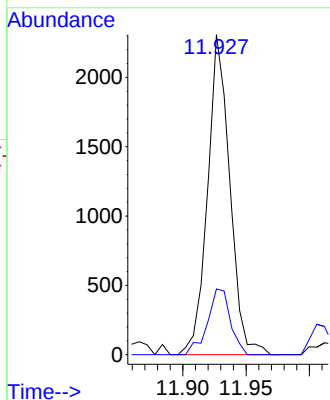
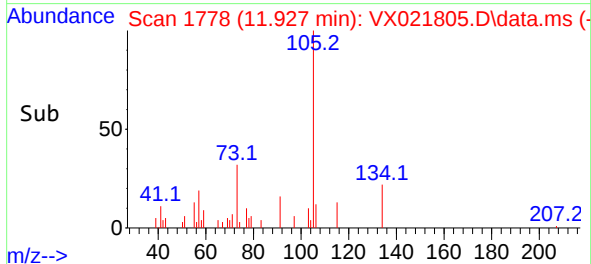
Instrument :
 MSVOA_X
 ClientSampled :
 MW-13



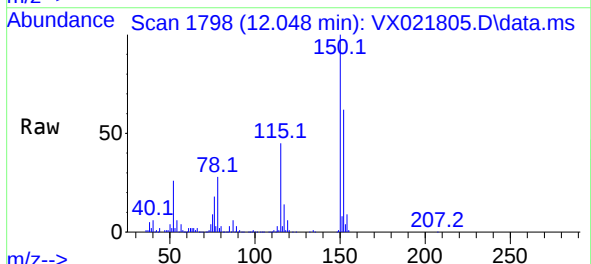
Tgt Ion:105 Resp: 2826
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.0 29.8

Manual Integrations
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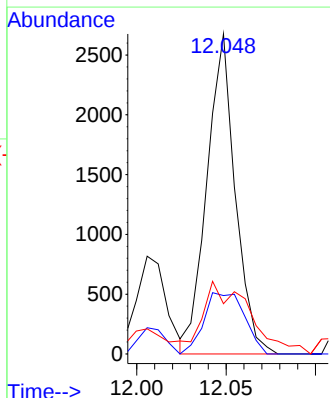
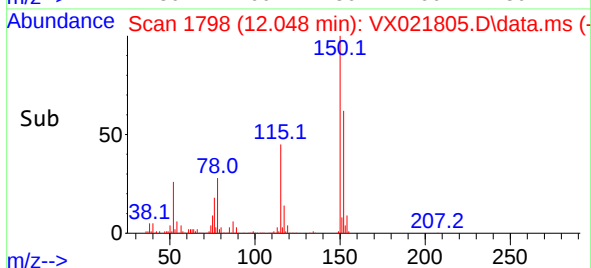
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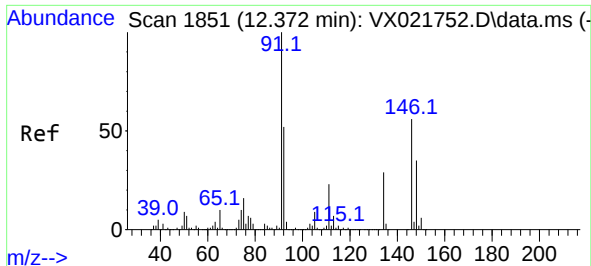


#86
 p-Isopropyltoluene
 Concen: 0.43 ug/l m
 RT: 12.048 min Scan# 1798
 Delta R.T. 0.000 min
 Lab File: VX021805.D
 Acq: 21 Apr 2021 20:00

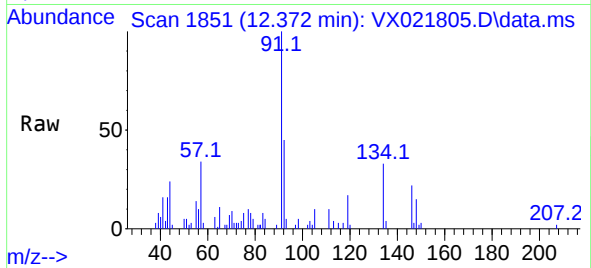


Tgt Ion:119 Resp: 2957
 Ion Ratio Lower Upper
 119 100
 134 7.7 12.9 38.7#
 91 8.1 11.7 35.0#

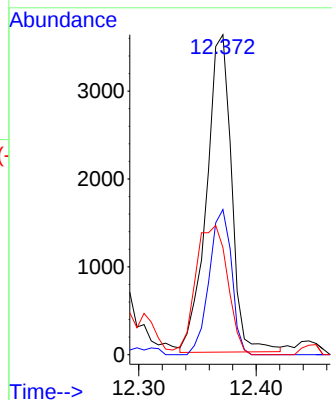




#89
n-Butylbenzene
Concen: 0.92 ug/l
RT: 12.372 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



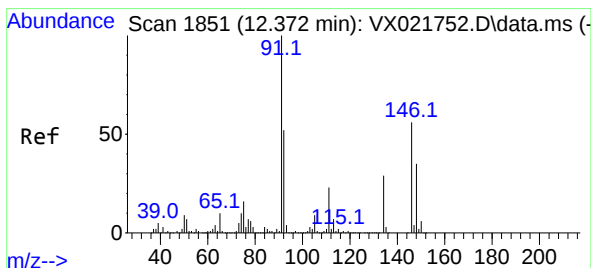
Tgt Ion: 91 Resp: 5340
Ion Ratio Lower Upper
91 100
92 40.8 27.4 82.0
134 52.1 13.2 39.5#



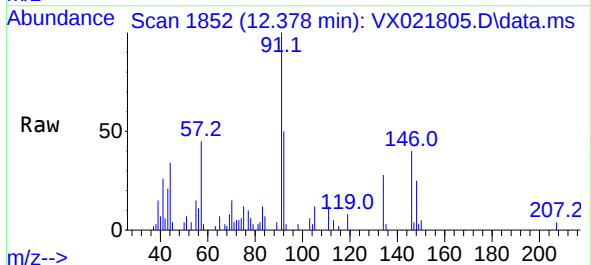
Instrument :
MSVOA_X
ClientSampled :
MW-13

Manual Integrations
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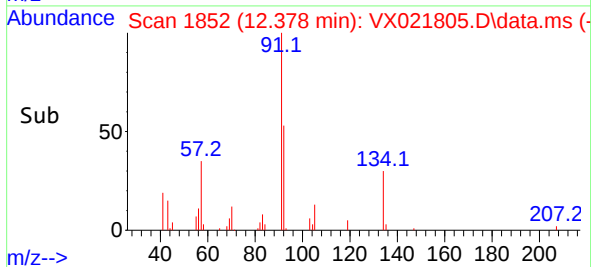
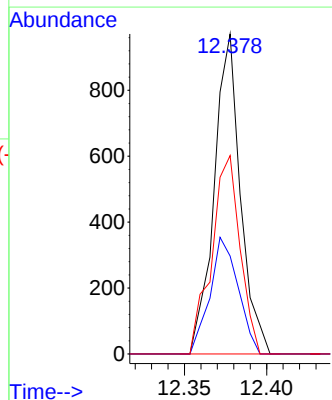
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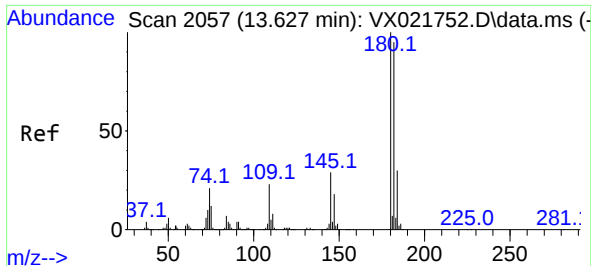


#91
1,2-Dichlorobenzene
Concen: 0.33 ug/l
RT: 12.378 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



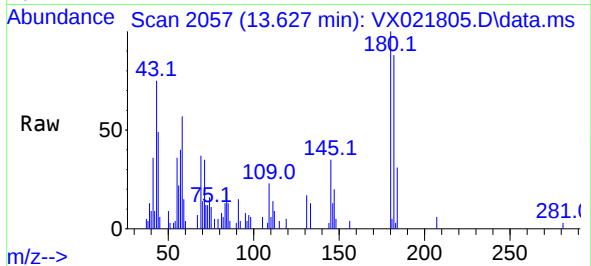
Tgt Ion: 146 Resp: 1079
Ion Ratio Lower Upper
146 100
111 39.0 20.8 62.2
148 66.9 31.9 95.5





#93
1,2,4-Trichlorobenzene
Concen: 0.85 ug/l
RT: 13.627 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

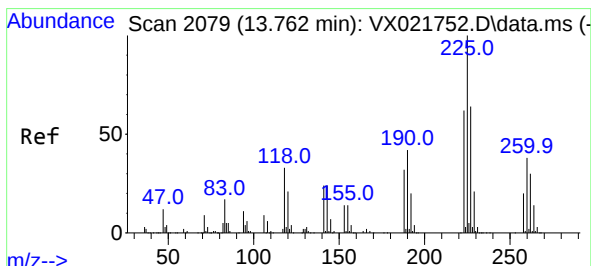
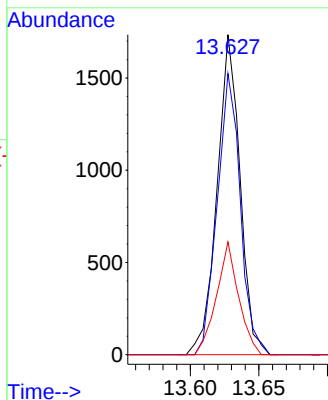
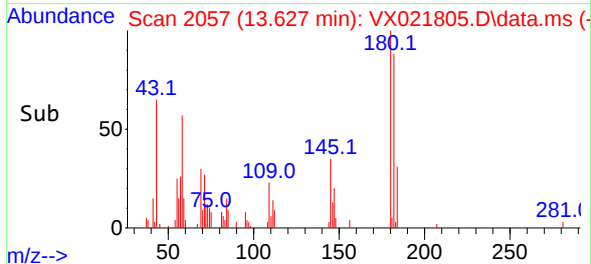
Instrument :
MSVOA_X
ClientSampled :
MW-13



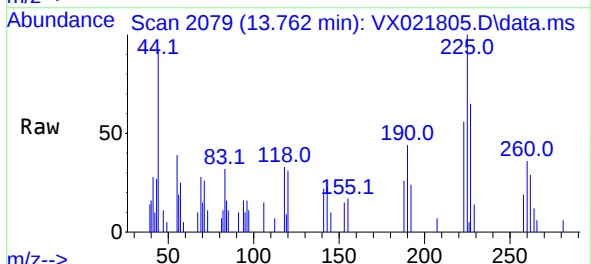
Tgt Ion:180 Resp: 2019
Ion Ratio Lower Upper
180 100
182 88.1 47.7 143.1
145 34.1 15.0 45.0

Manual Integrations
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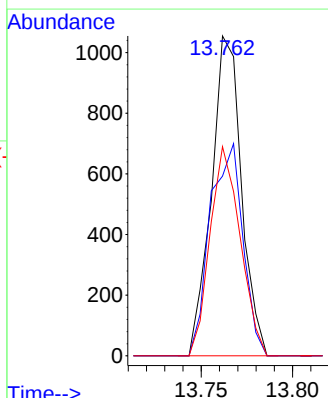
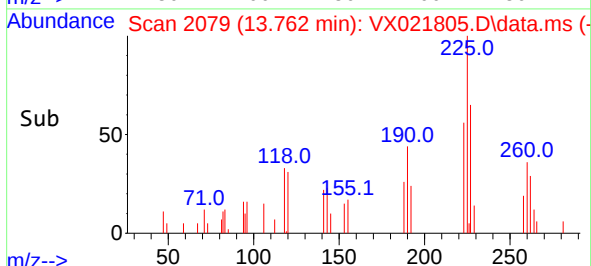
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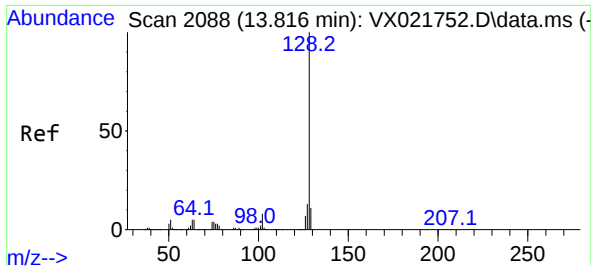


#94
Hexachlorobutadiene
Concen: 1.03 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00

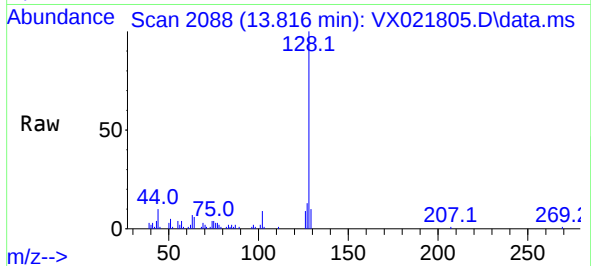


Tgt Ion:225 Resp: 1205
Ion Ratio Lower Upper
225 100
223 72.3 31.1 93.2
227 65.9 31.6 95.0

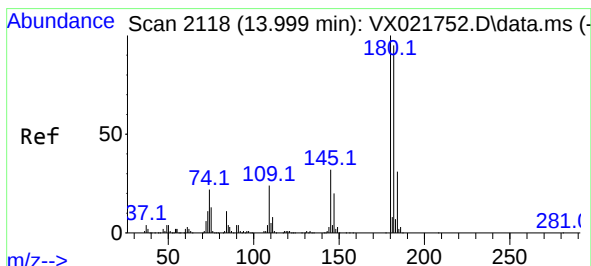
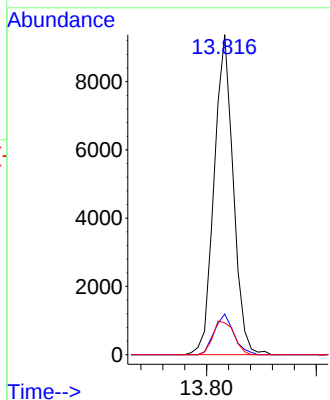
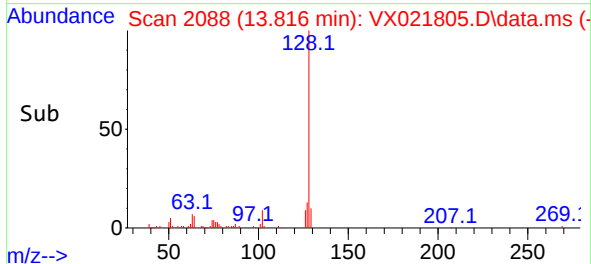




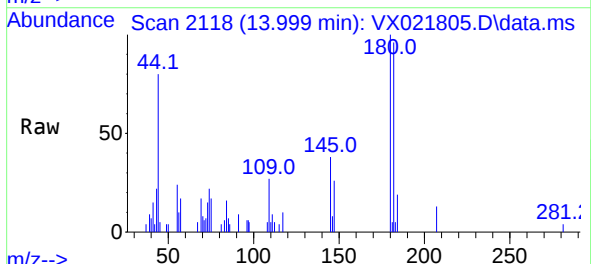
#95
Naphthalene
Concen: 1.58 ug/l
RT: 13.816 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



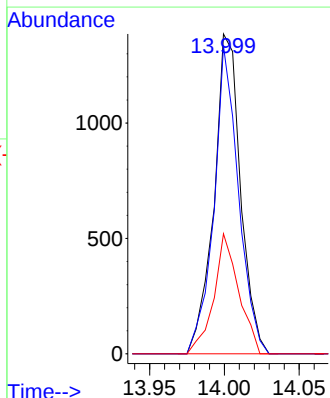
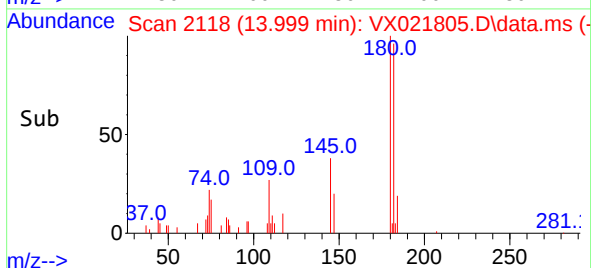
Tgt Ion:	128	Resp:	11356
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.7	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.75 ug/l
RT: 13.999 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VX021805.D
Acq: 21 Apr 2021 20:00



Tgt Ion:	180	Resp:	1715
Ion Ratio	Lower	Upper	
180	100		
182	89.1	47.6	142.9
145	35.1	16.1	48.3



Instrument :
MSVOA_X
ClientSampled :
MW-13

Manual Integrations
APPROVED

MMDadoda
4/22/2021 12:12:09 PM