

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031021\
 Data File : VX021139.D
 Acq On : 10 Mar 2021 16:00
 Operator : JC/MD
 Sample : M1605-10 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 02:13:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

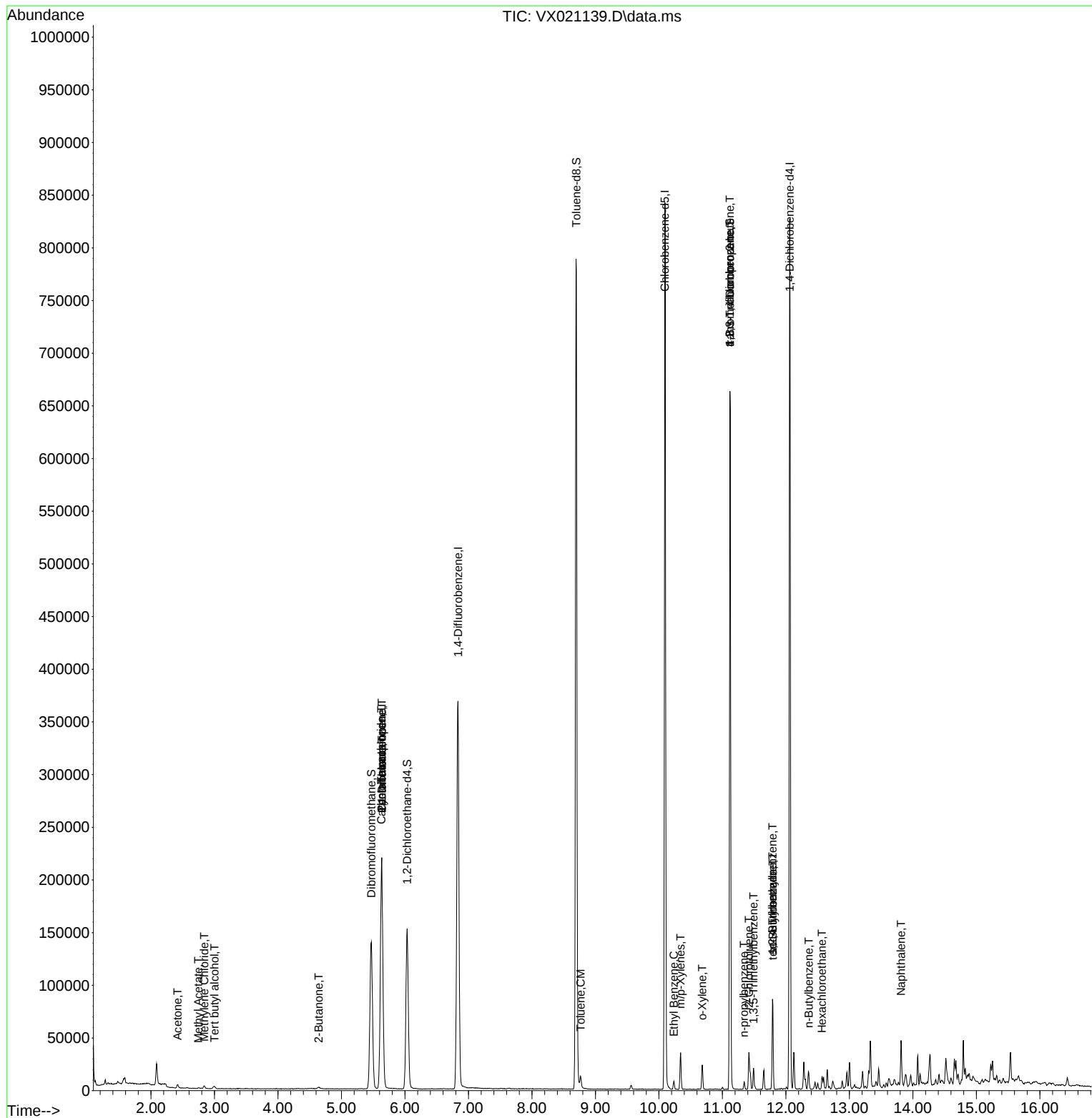
Internal Standards						
1) Pentafluorobenzene	5.635	168	204665	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.835	114	397266	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	390132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	174915	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	143189	51.80	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.60%			
35) Dibromofluoromethane	5.470	113	123522	51.18	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.36%			
50) Toluene-d8	8.700	98	494605	52.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.10%			
62) 4-Bromofluorobenzene	11.118	95	186340	53.55	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.10%			
Target Compounds					Qvalue	
5) Bromomethane	1.640	94	314	Below Cal		83
11) Tert butyl alcohol	2.999	59	1362	2.21 ug/l #		73
16) Acetone	2.417	43	3252	2.85 ug/l		99
18) Methyl Acetate	2.746	43	970	0.36 ug/l #		79
20) Methylene Chloride	2.840	84	1203	0.44 ug/l #		89
25) 2-Butanone	4.641	43	1198	0.69 ug/l		96
31) Cyclohexane	5.635	56	4262	1.06 ug/l #		1
36) 1,1-Dichloropropene	5.635	75	16475	4.36 ug/l #		48
38) Carbon Tetrachloride	5.629	117	20314	5.55 ug/l #		16
52) Toluene	8.765	92	3722	0.53 ug/l		99
67) Ethyl Benzene	10.235	91	4346	0.29 ug/l		92
68) m/p-Xylenes	10.341	106	8221	1.50 ug/l		94
69) o-Xylene	10.683	106	5165	0.97 ug/l		93
76) 1,2,3-Trichloropropane	11.118	75	90322	24.00 ug/l #		39
78) n-propylbenzene	11.341	91	4300	0.27 ug/l		99
79) 2-Chlorotoluene	11.418	91	2850	0.30 ug/l #		41
80) 1,3,5-Trimethylbenzene	11.489	105	8716	0.76 ug/l		97
81) trans-1,4-Dichloro-2-b...	11.118	75	90322	53.14 ug/l #		12
83) tert-Butylbenzene	11.794	119	4689	0.42 ug/l #		62
84) 1,2,4-Trimethylbenzene	11.789	105	36755	3.15 ug/l		97
85) sec-Butylbenzene	11.789	105	36755	2.79 ug/l #		57
89) n-Butylbenzene	12.359	91	2267	0.21 ug/l #		18
90) Hexachloroethane	12.565	117	534	0.23 ug/l #		9
95) Naphthalene	13.812	128	26278	2.05 ug/l		99

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

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: Mar 11 02:13:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

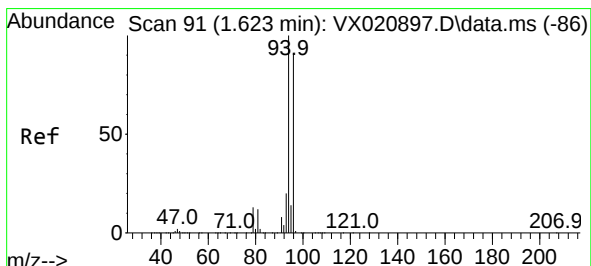
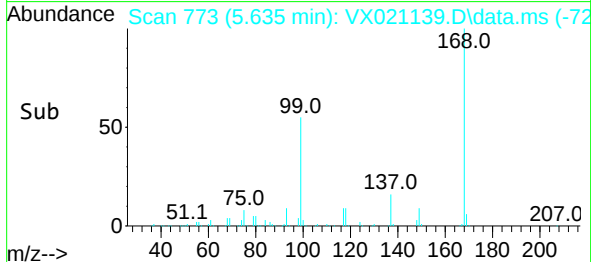
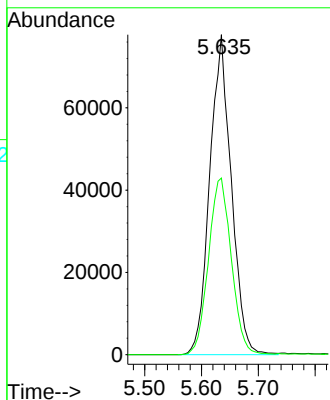
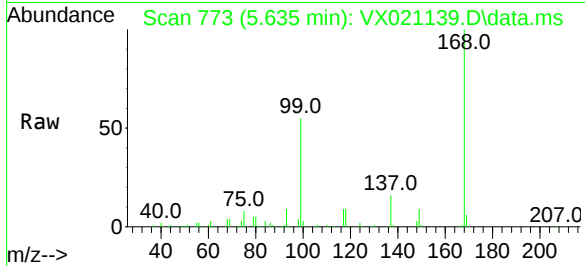




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

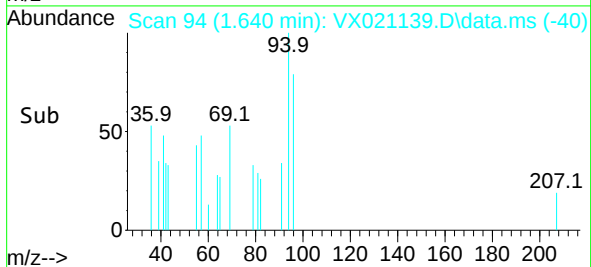
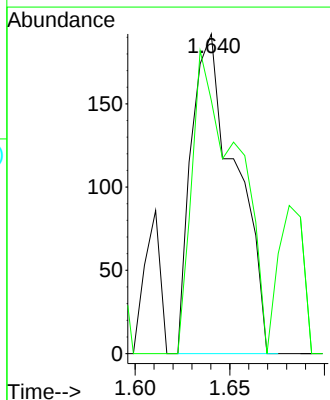
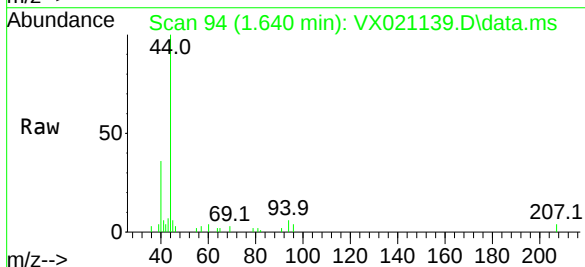
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:168 Resp: 204665
Ion Ratio Lower Upper
168 100
99 55.2 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 79.2 76.4 114.6

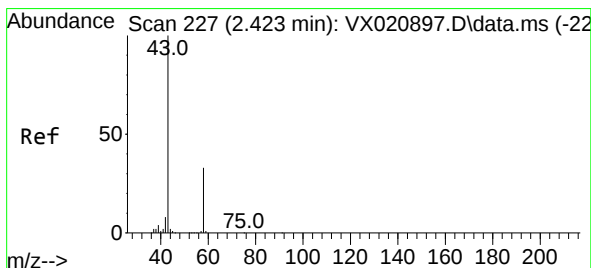
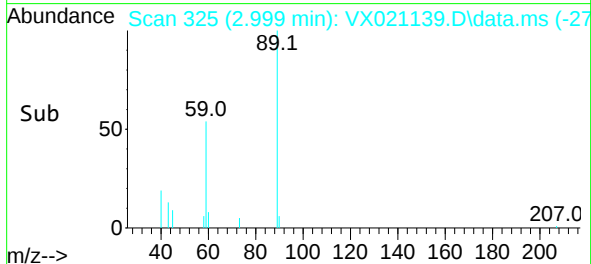
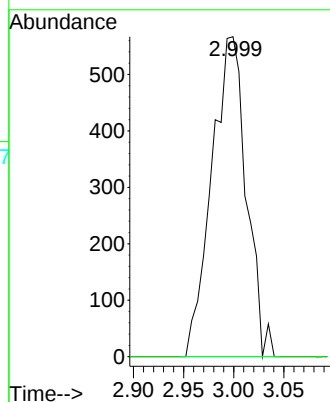
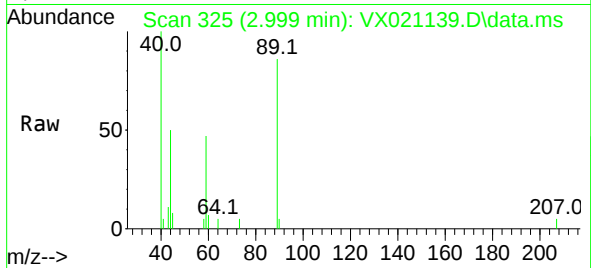




#11
Tert butyl alcohol
Concen: 2.21 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.018 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

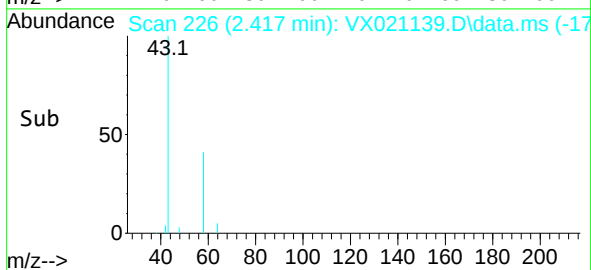
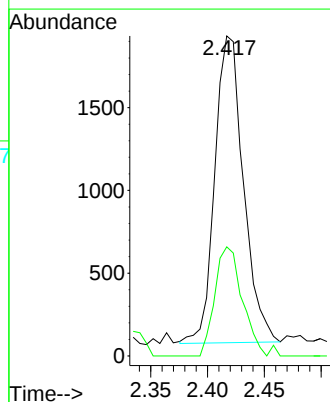
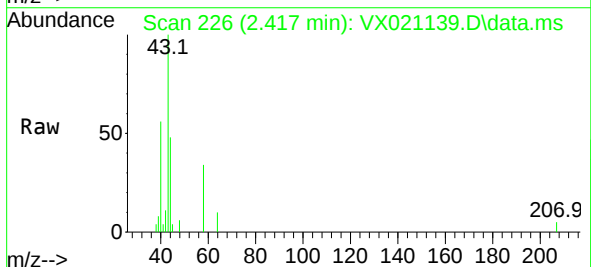
Instrument :
MSVOA_X
ClientSampled :

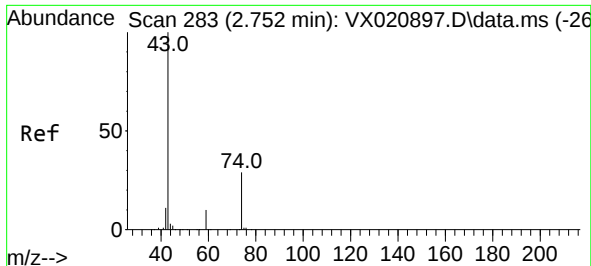
Tgt Ion: 59 Resp: 1362
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 2.85 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

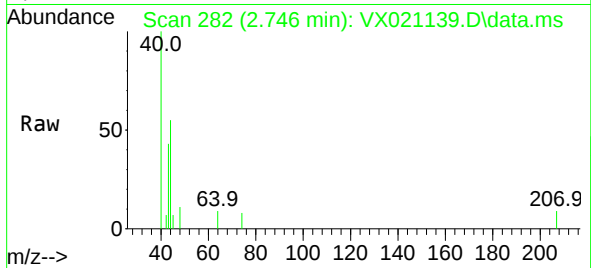
Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
58 35.7 27.8 41.8



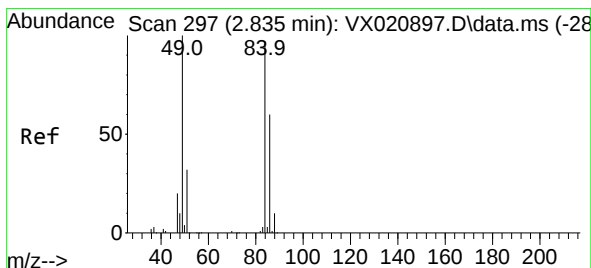
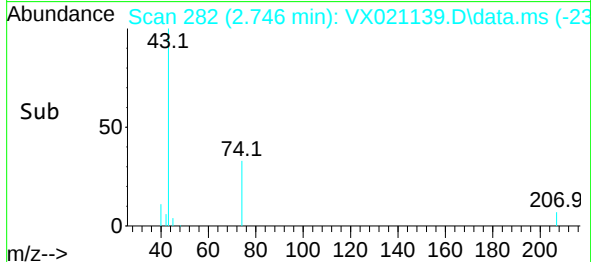
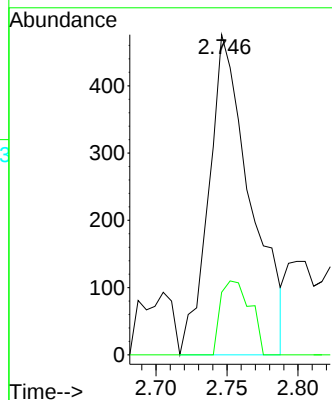


#18
Methyl Acetate
Concen: 0.36 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Instrument :
MSVOA_X
ClientSampleId :

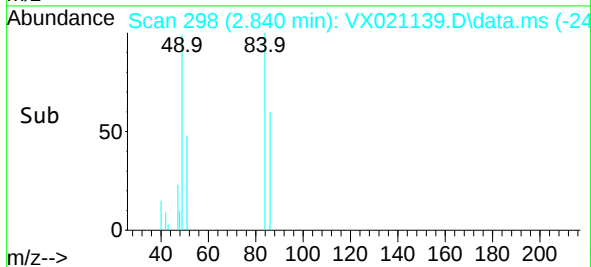
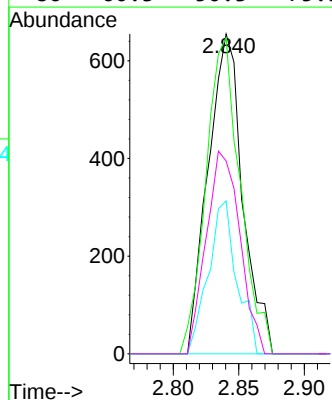
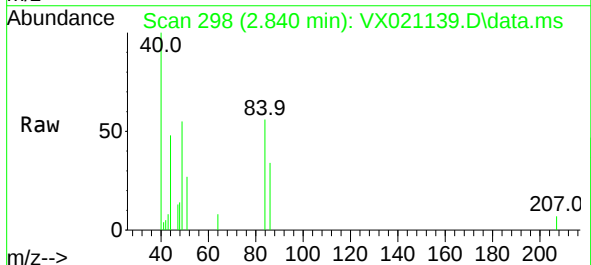


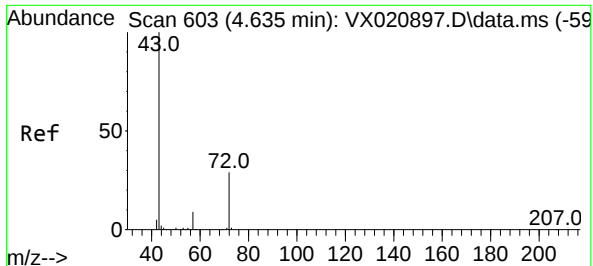
Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
74 16.6 21.9 32.9#



#20
Methylene Chloride
Concen: 0.44 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion: 84 Resp: 1203
Ion Ratio Lower Upper
84 100
49 98.8 88.6 132.8
51 47.8 27.0 40.6#
86 60.3 50.3 75.5

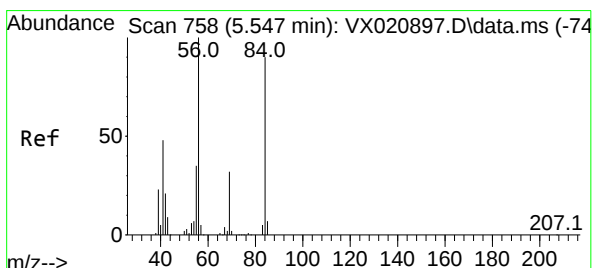
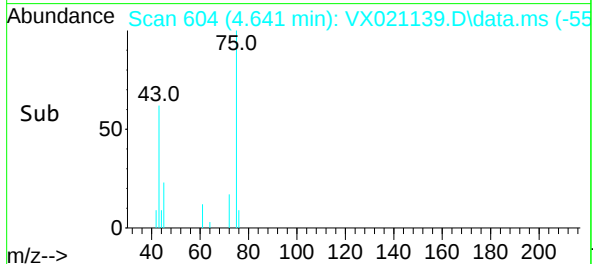
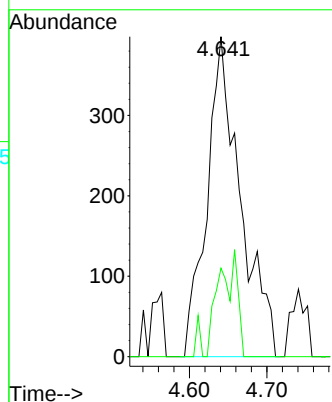
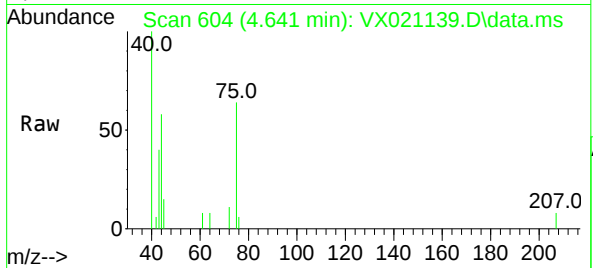




#25
2-Butanone
Concen: 0.69 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

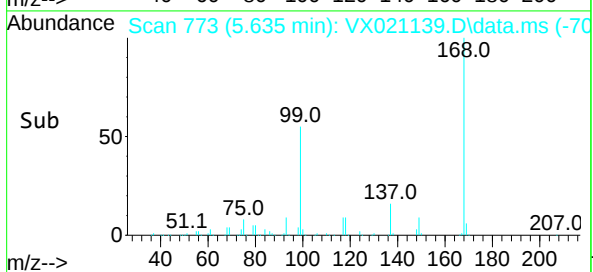
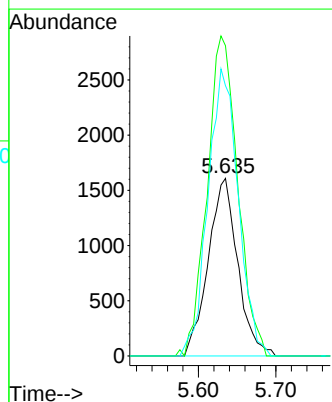
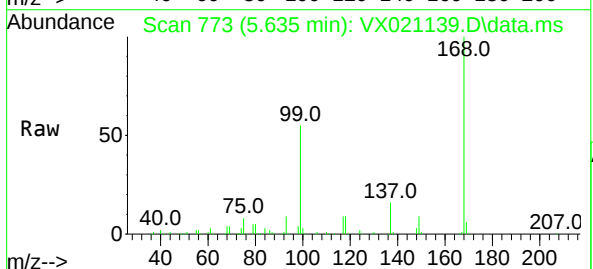
Instrument :
MSVOA_X
ClientSampled :

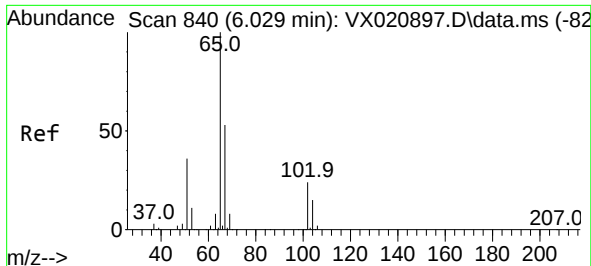
Tgt Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
72 27.6 23.7 35.5



#31
Cyclohexane
Concen: 1.06 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion: 56 Resp: 4262
Ion Ratio Lower Upper
56 100
69 174.6 25.3 37.9#
84 152.1 71.4 107.0#

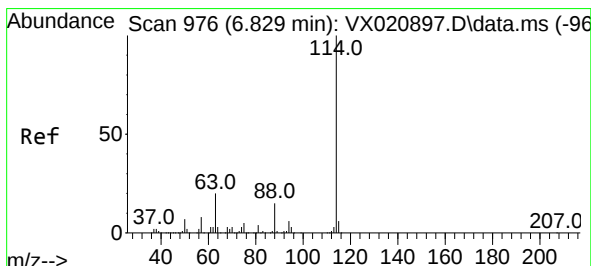
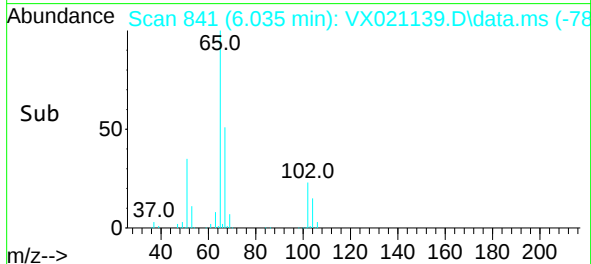
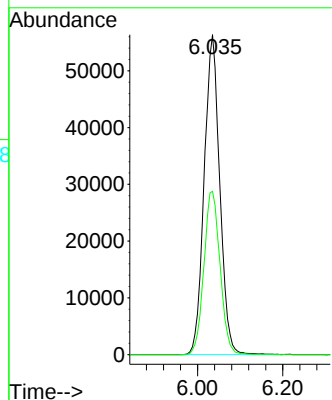
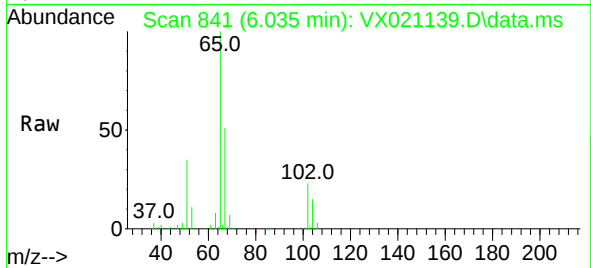




#33
 1,2-Dichloroethane-d4
 Concen: 51.80 ug/l
 RT: 6.035 min Scan# 841
 Delta R.T. 0.006 min
 Lab File: VX021139.D
 Acq: 10 Mar 2021 16:00

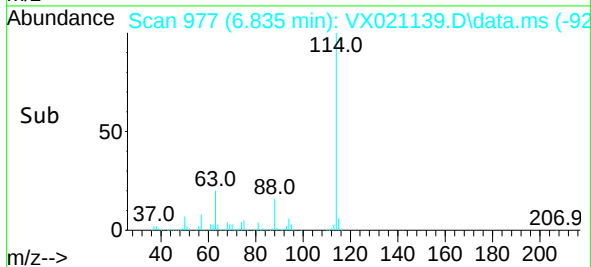
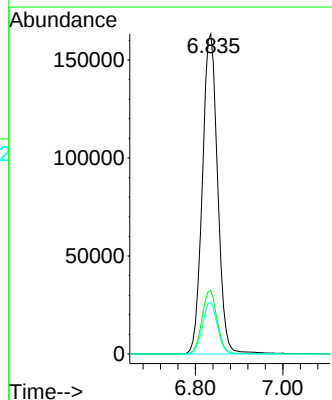
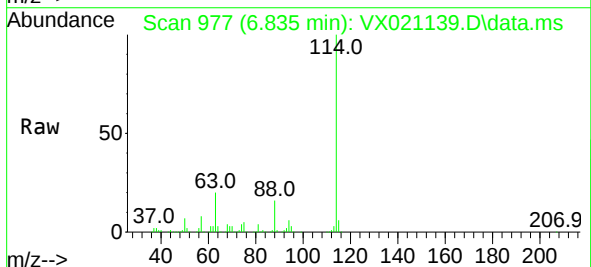
Instrument :
 MSVOA_X
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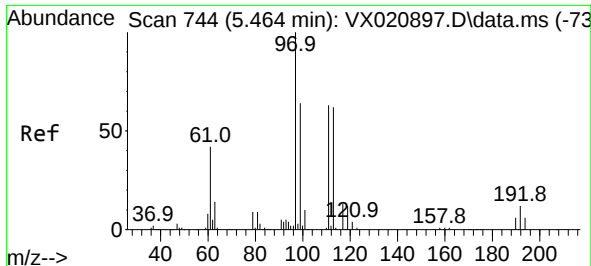
Tgt Ion: 65 Resp: 143189
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.835 min Scan# 977
 Delta R.T. 0.006 min
 Lab File: VX021139.D
 Acq: 10 Mar 2021 16:00

Tgt Ion: 114 Resp: 397266
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 16.1 0.0 32.8

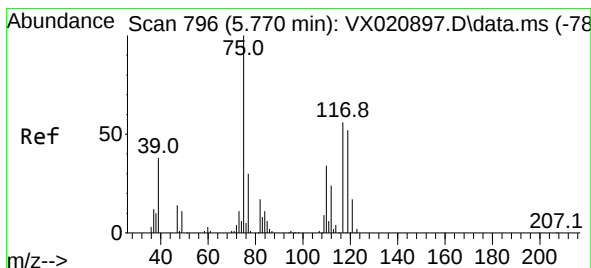
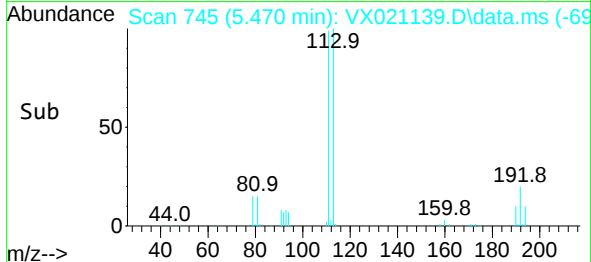
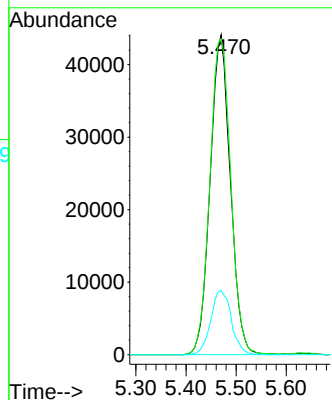
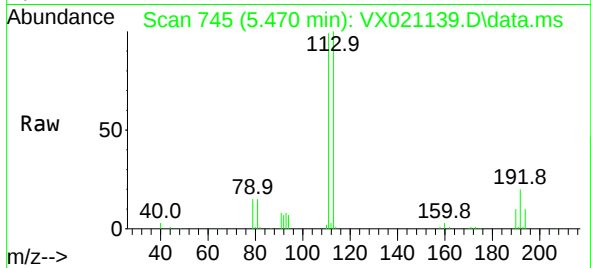




#35
Dibromofluoromethane
Concen: 51.18 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

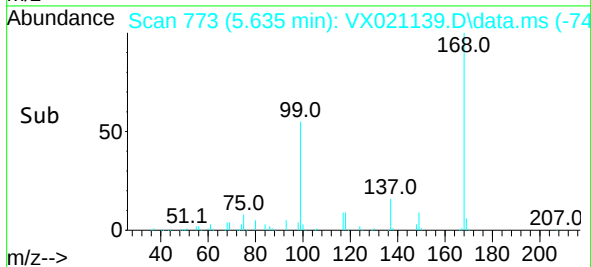
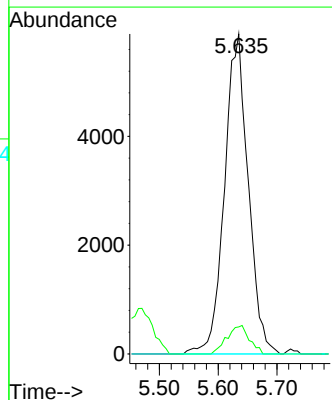
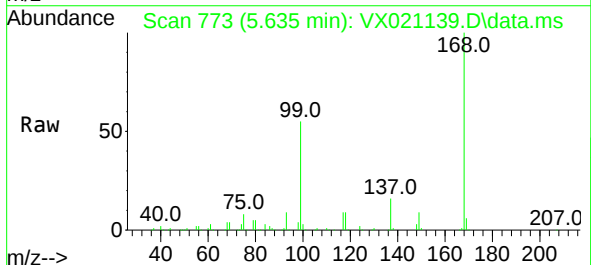
Instrument :
MSVOA_X
ClientSampled :

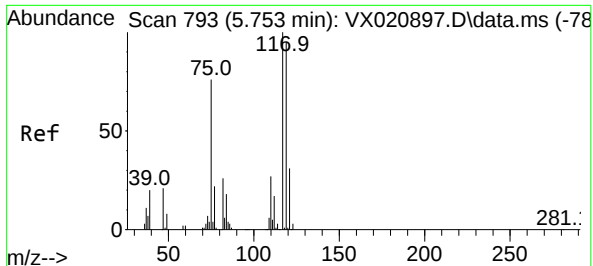
Tgt Ion:113 Resp: 123522
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.36 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.135 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion: 75 Resp: 16475
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#

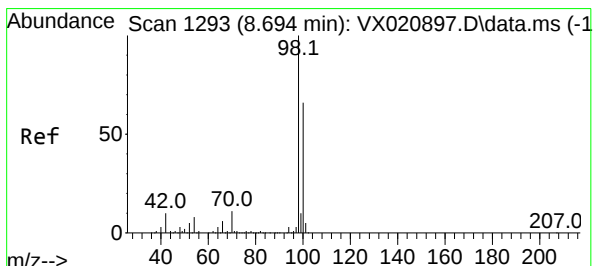
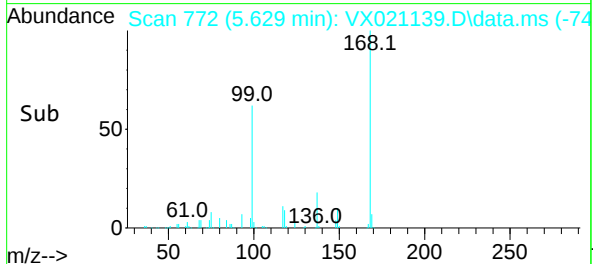
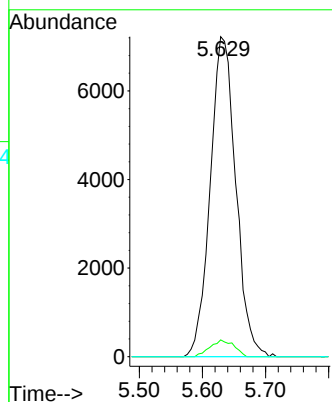
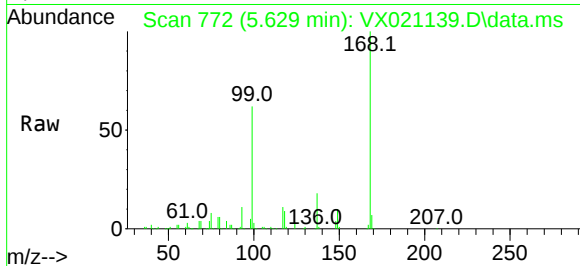




#38
Carbon Tetrachloride
Concen: 5.55 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

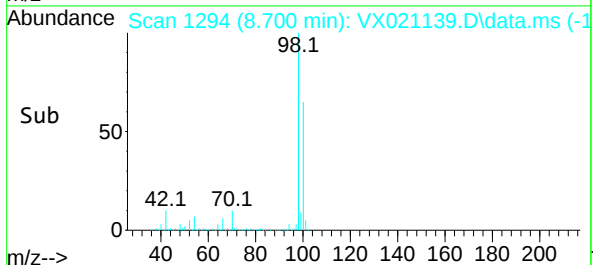
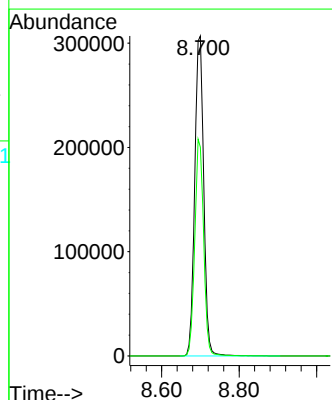
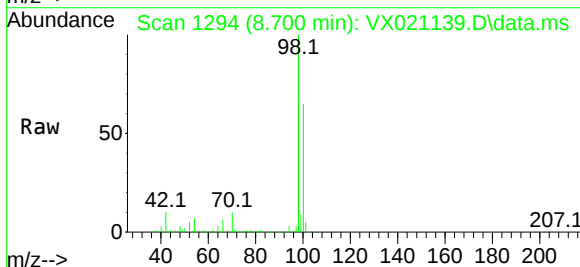
Instrument :
MSVOA_X
ClientSampled :

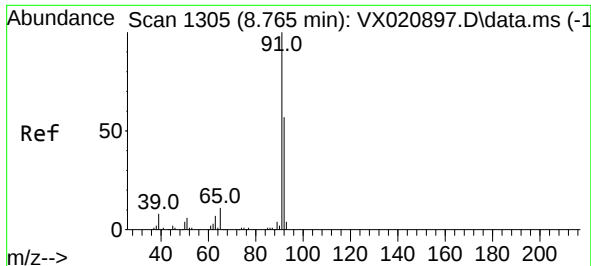
Tgt Ion:117 Resp: 20314
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.55 ug/l
RT: 8.700 min Scan# 1294
Delta R.T. 0.006 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion: 98 Resp: 494605
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9

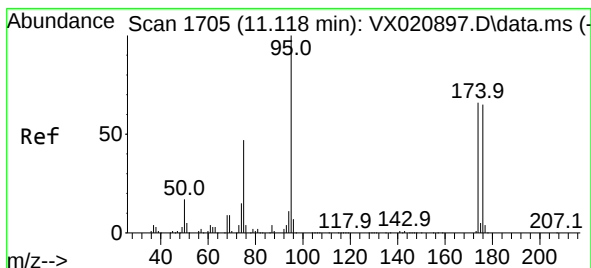
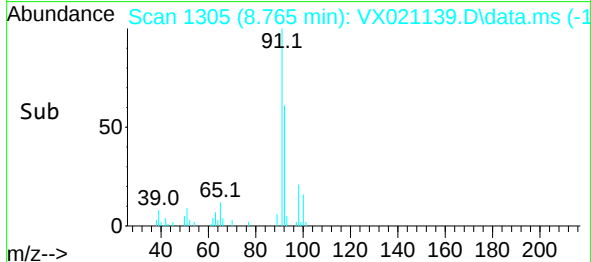
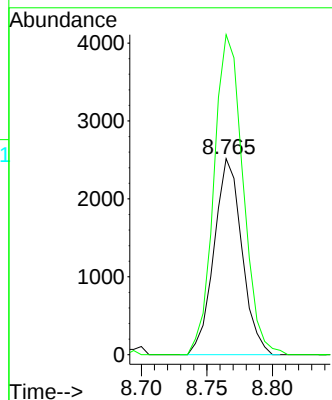
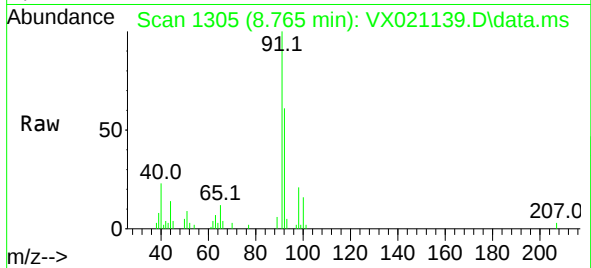




#52
Toluene
Concen: 0.53 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

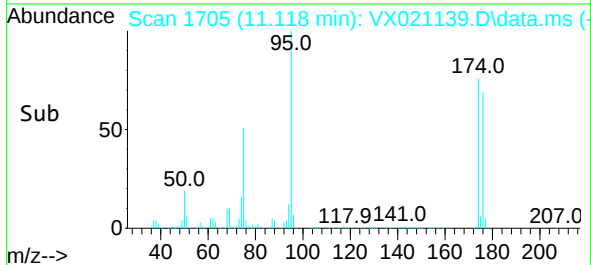
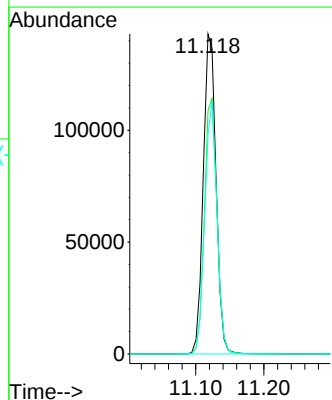
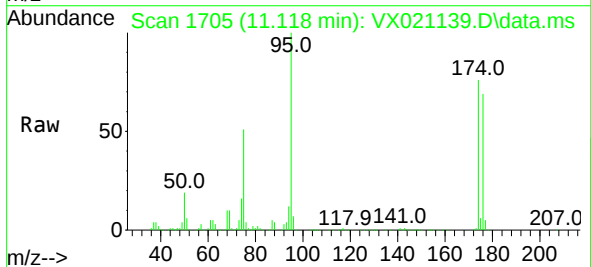
Instrument :
MSVOA_X
ClientSampled :

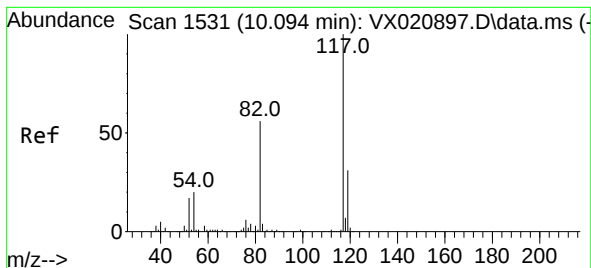
Tgt Ion: 92 Resp: 3722
Ion Ratio Lower Upper
92 100
91 170.2 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 53.55 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion: 95 Resp: 186340
Ion Ratio Lower Upper
95 100
174 78.4 0.0 154.6
176 76.1 0.0 155.8

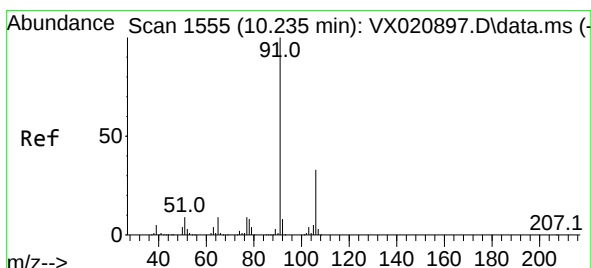
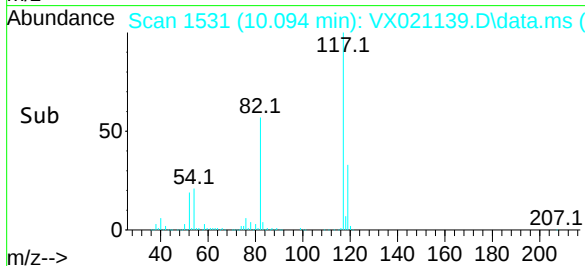
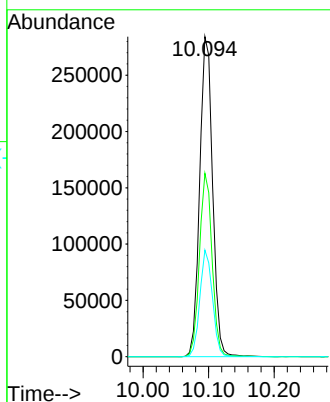
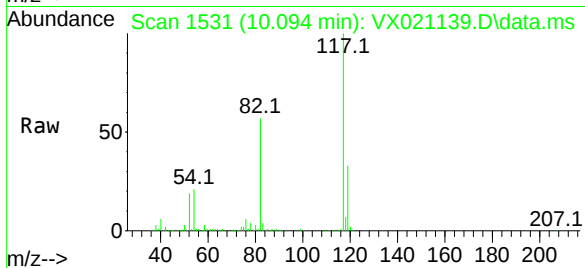




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

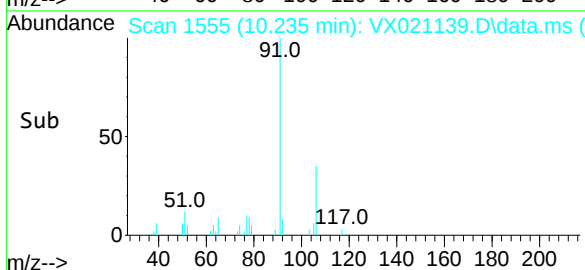
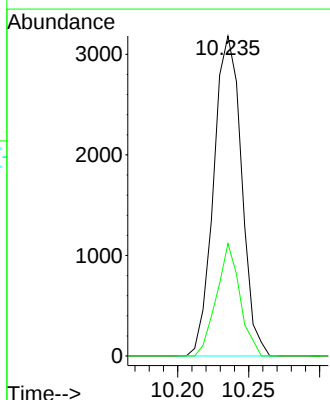
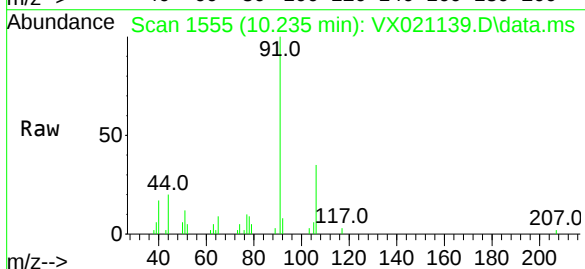
Instrument :
MSVOA_X
ClientSampleId :

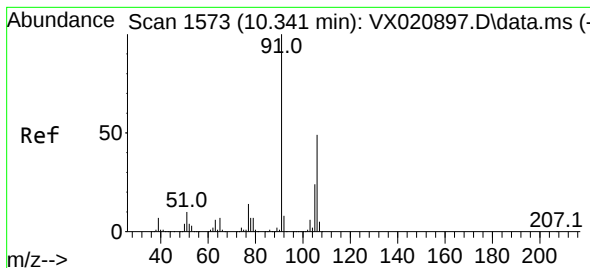
Tgt Ion:117 Resp: 390132
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 33.3 26.6 39.8



#67
Ethyl Benzene
Concen: 0.29 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion: 91 Resp: 4346
Ion Ratio Lower Upper
91 100
106 35.2 24.6 37.0

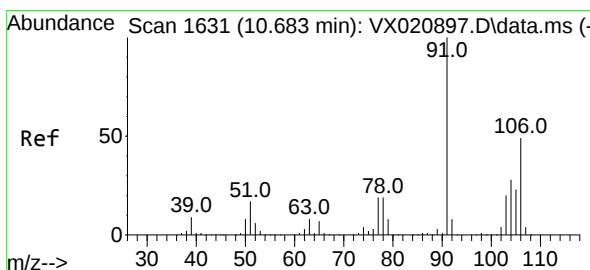
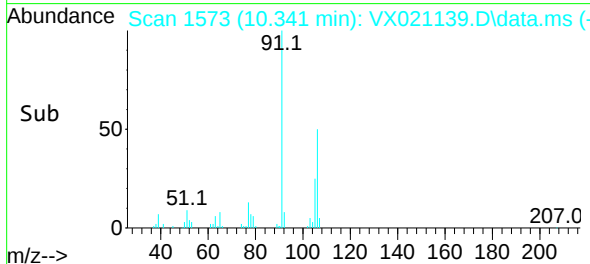
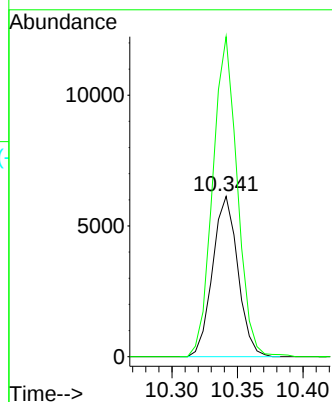
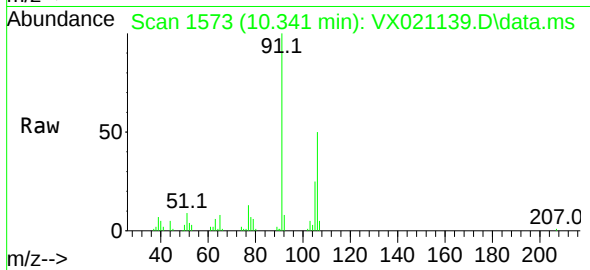




#68
m/p-Xylenes
Concen: 1.50 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

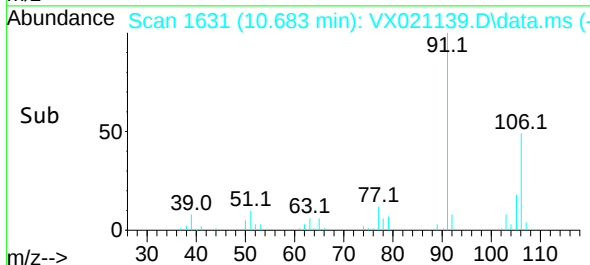
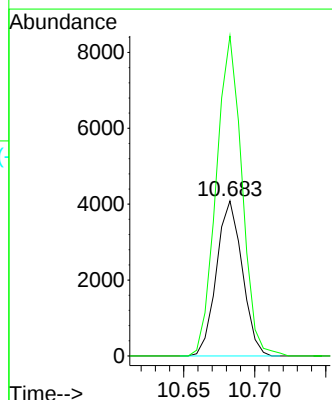
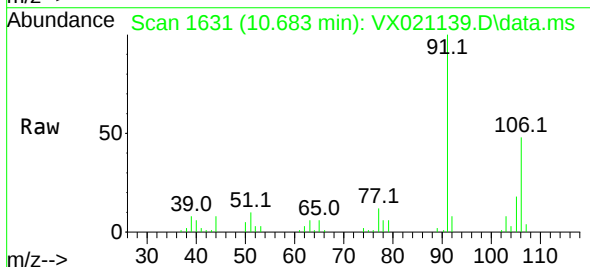
Instrument :
MSVOA_X
ClientSampled :

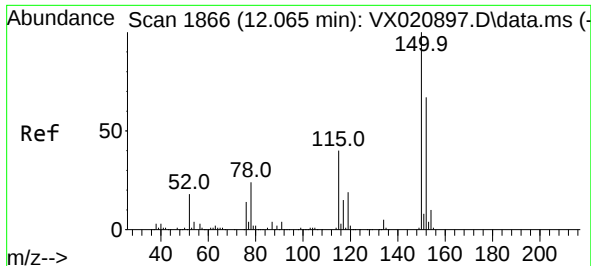
Tgt Ion:106 Resp: 8221
Ion Ratio Lower Upper
106 100
91 193.7 162.8 244.2



#69
o-Xylene
Concen: 0.97 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion:106 Resp: 5165
Ion Ratio Lower Upper
106 100
91 205.5 108.1 324.2

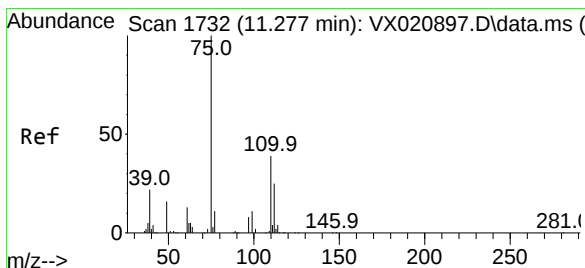
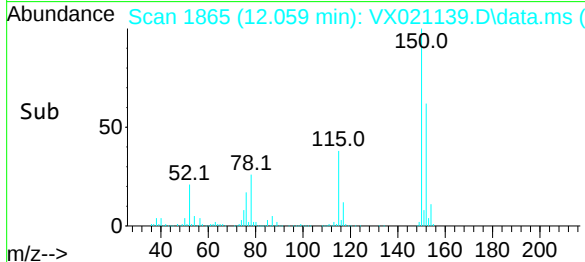
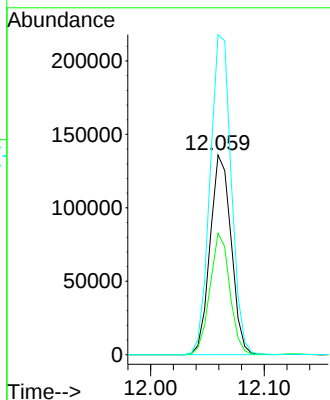
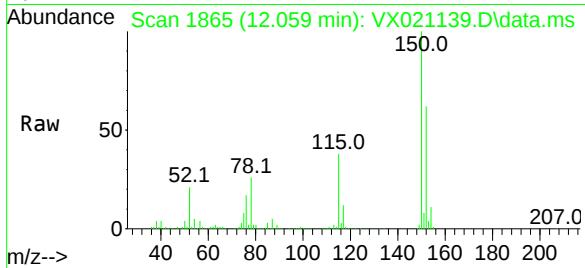




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

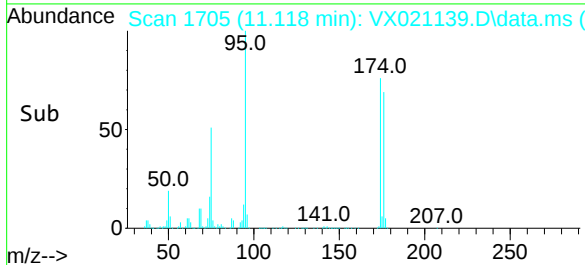
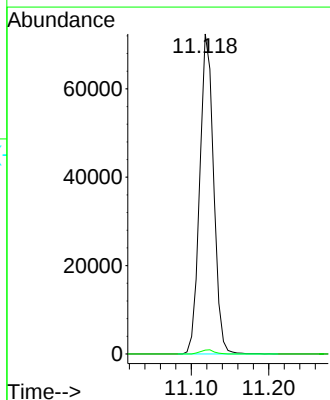
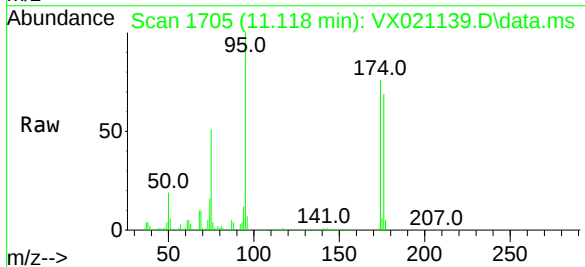
Instrument :
MSVOA_X
ClientSampleId :

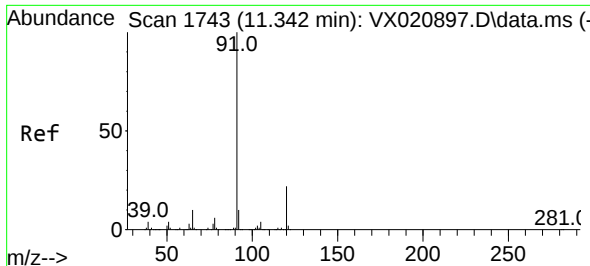
Tgt Ion:152 Resp: 174915
Ion Ratio Lower Upper
152 100
115 57.5 41.1 123.3
150 161.7 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 24.00 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion: 75 Resp: 90322
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

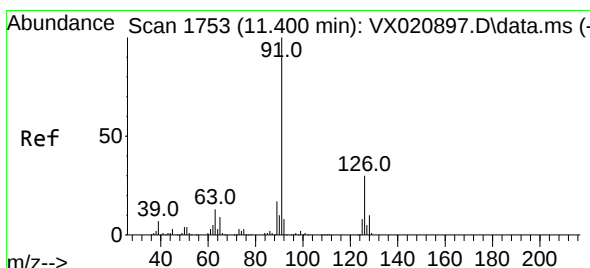
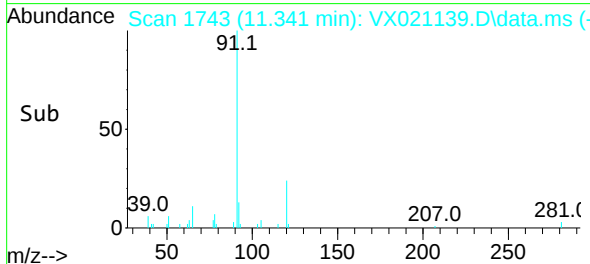
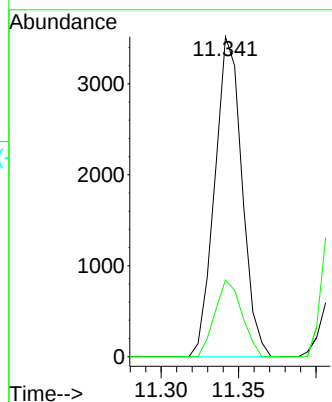
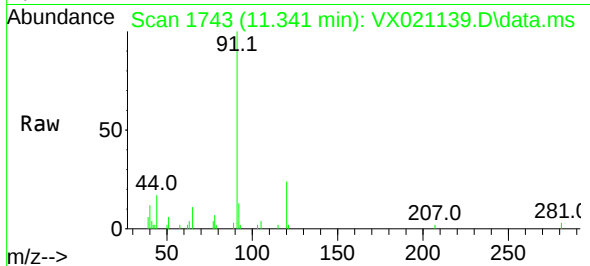




#78
n-propylbenzene
Concen: 0.27 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

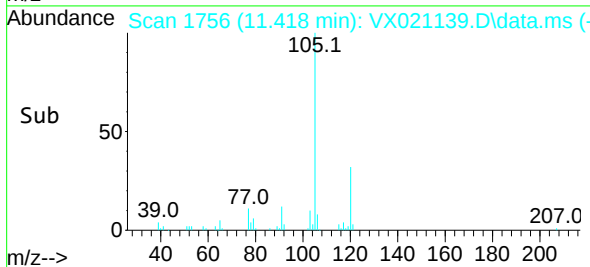
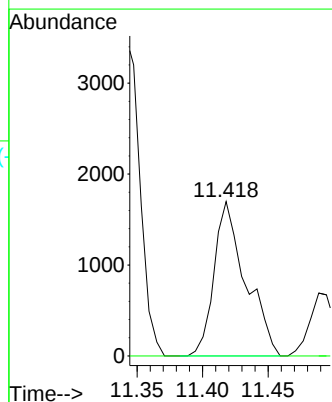
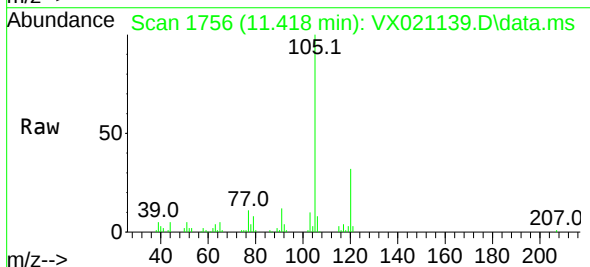
Instrument :
MSVOA_X
ClientSampled :

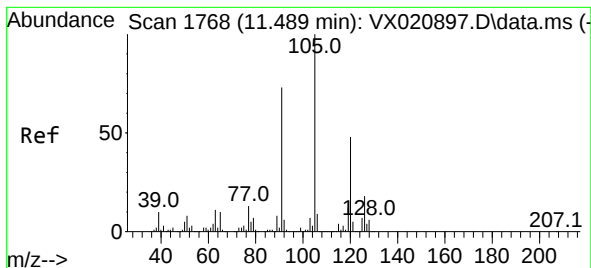
Tgt Ion: 91 Resp: 4300
Ion Ratio Lower Upper
91 100
120 23.7 11.5 34.5



#79
2-Chlorotoluene
Concen: 0.30 ug/l
RT: 11.418 min Scan# 1756
Delta R.T. 0.018 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion: 91 Resp: 2850
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

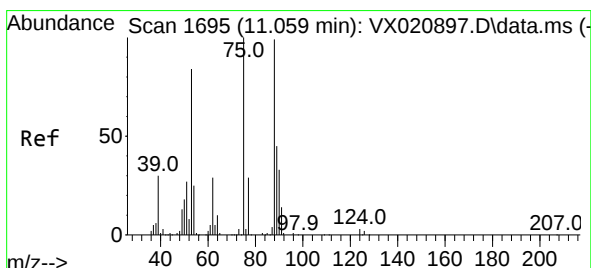
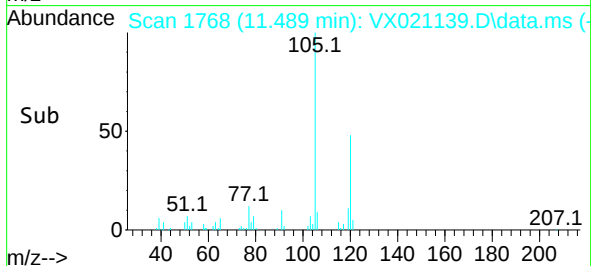
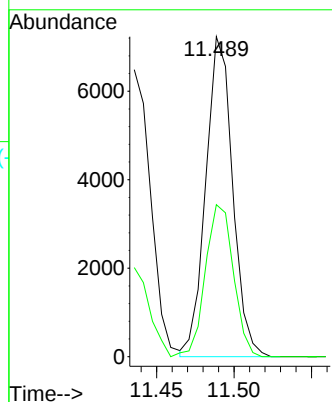
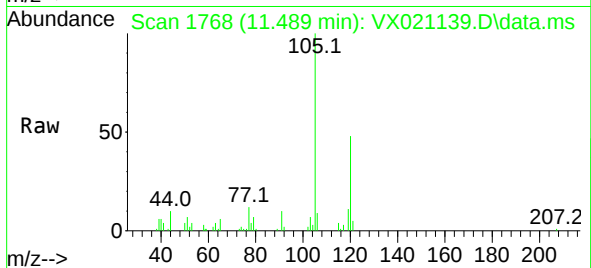




#80
1,3,5-Trimethylbenzene
Concen: 0.76 ug/l
RT: 11.489 min Scan# 1768
Delta R.T. -0.000 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

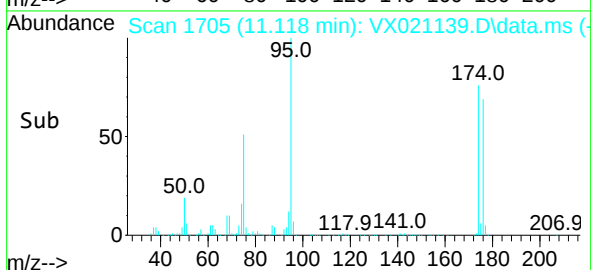
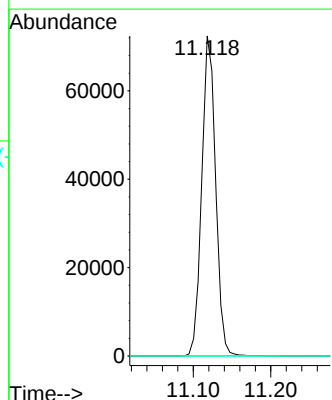
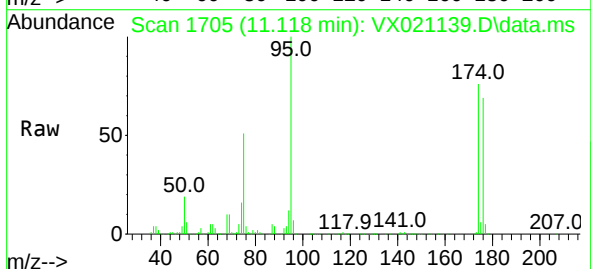
Instrument :
MSVOA_X
ClientSampled :

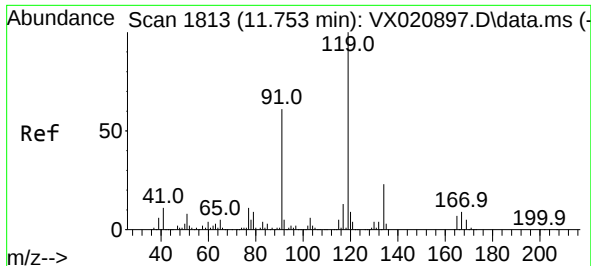
Tgt Ion:105 Resp: 8716
Ion Ratio Lower Upper
105 100
120 49.5 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 53.14 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion: 75 Resp: 90322
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

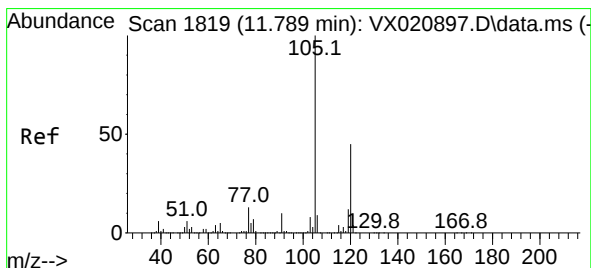
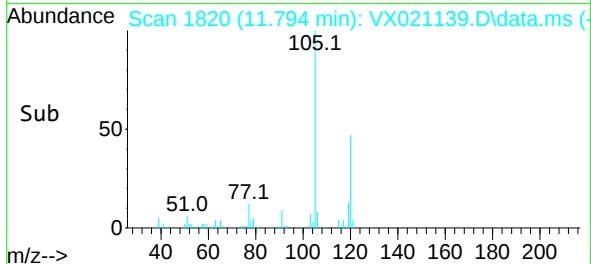
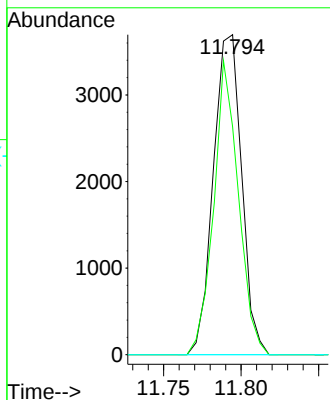
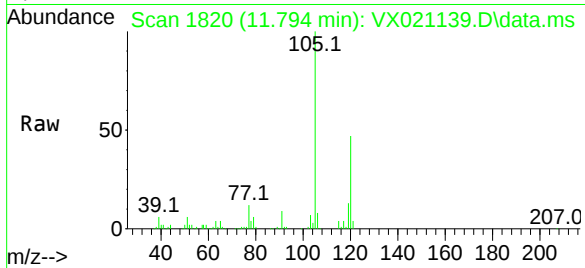




#83
tert-Butylbenzene
Concen: 0.42 ug/l
RT: 11.794 min Scan# 1820
Delta R.T. 0.041 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

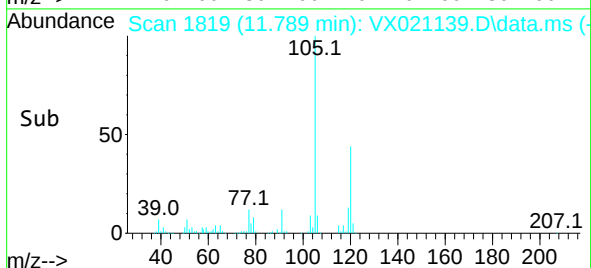
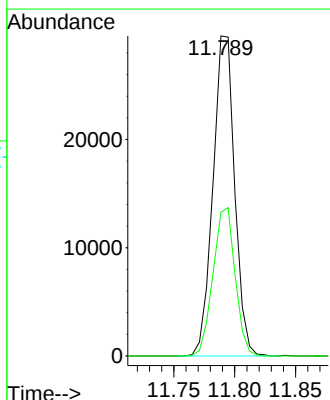
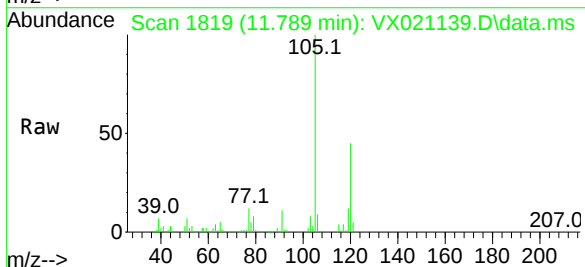
Instrument :
MSVOA_X
ClientSampleId :

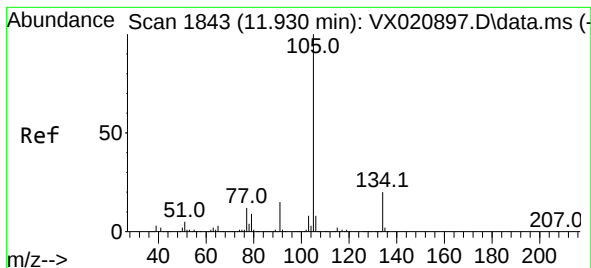
Tgt Ion:119 Resp: 4689
Ion Ratio Lower Upper
119 100
91 80.3 27.9 83.7
134 0.0 11.3 33.9#



#84
1,2,4-Trimethylbenzene
Concen: 3.15 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion:105 Resp: 36755
Ion Ratio Lower Upper
105 100
120 47.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 2.79 ug/l

RT: 11.789 min Scan# 1819

Delta R.T. -0.141 min

Lab File: VX021139.D

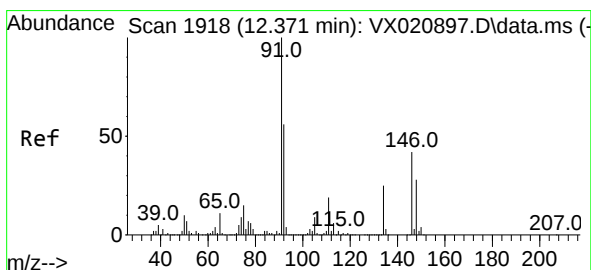
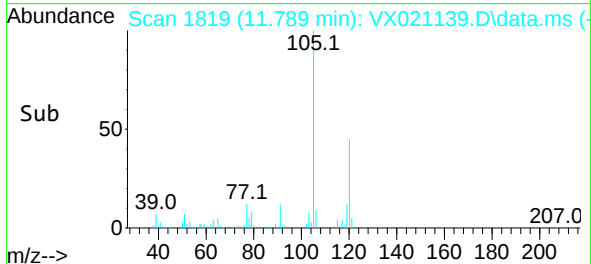
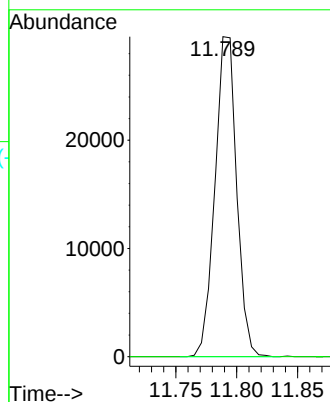
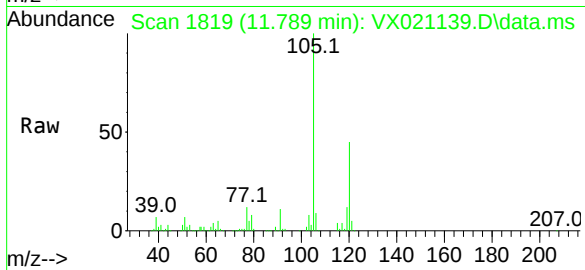
Acq: 10 Mar 2021 16:00

Tgt Ion:105 Resp: 36755

Ion Ratio Lower Upper

105 100

134 0.0 10.0 29.8#



#89

n-Butylbenzene

Concen: 0.21 ug/l

RT: 12.359 min Scan# 1916

Delta R.T. -0.012 min

Lab File: VX021139.D

Acq: 10 Mar 2021 16:00

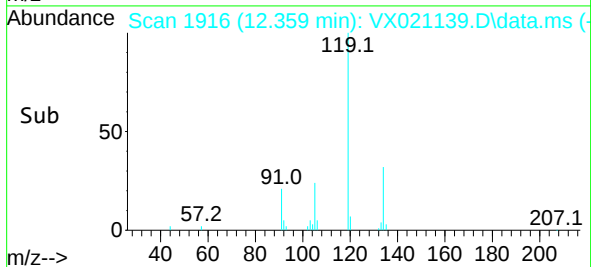
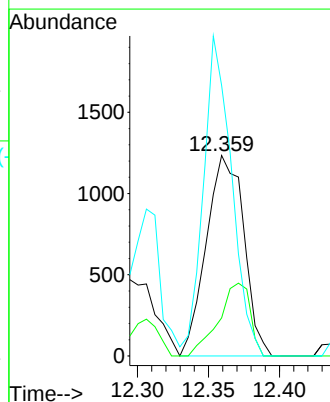
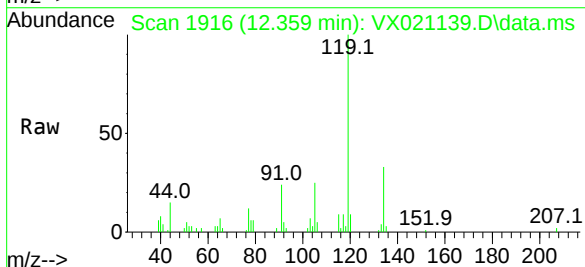
Tgt Ion: 91 Resp: 2267

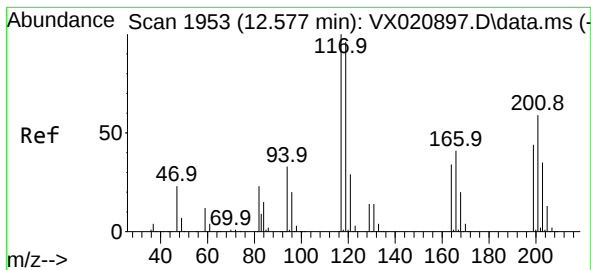
Ion Ratio Lower Upper

91 100

92 30.5 27.4 82.0

134 119.8 13.2 39.5#

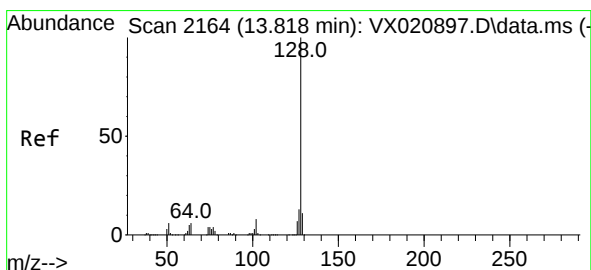
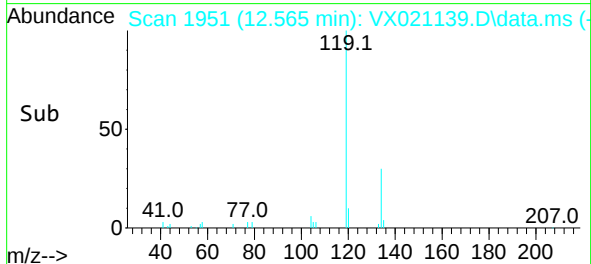
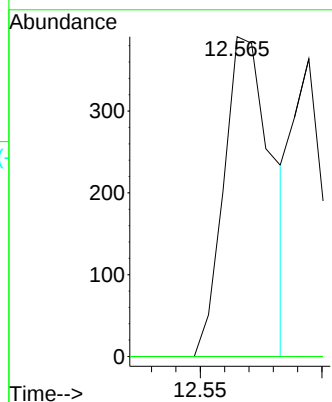
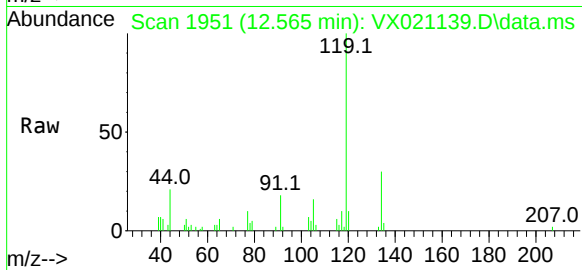




#90
Hexachloroethane
Concen: 0.23 ug/l
RT: 12.565 min Scan# 1951
Delta R.T. -0.012 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:117 Resp: 534
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 2.05 ug/l
RT: 13.812 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VX021139.D
Acq: 10 Mar 2021 16:00

Tgt Ion:128 Resp: 26278
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.6 8.8 13.2

