

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031121\
 Data File : VX021167.D
 Acq On : 11 Mar 2021 19:32
 Operator : JC/MD
 Sample : M1648-09 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

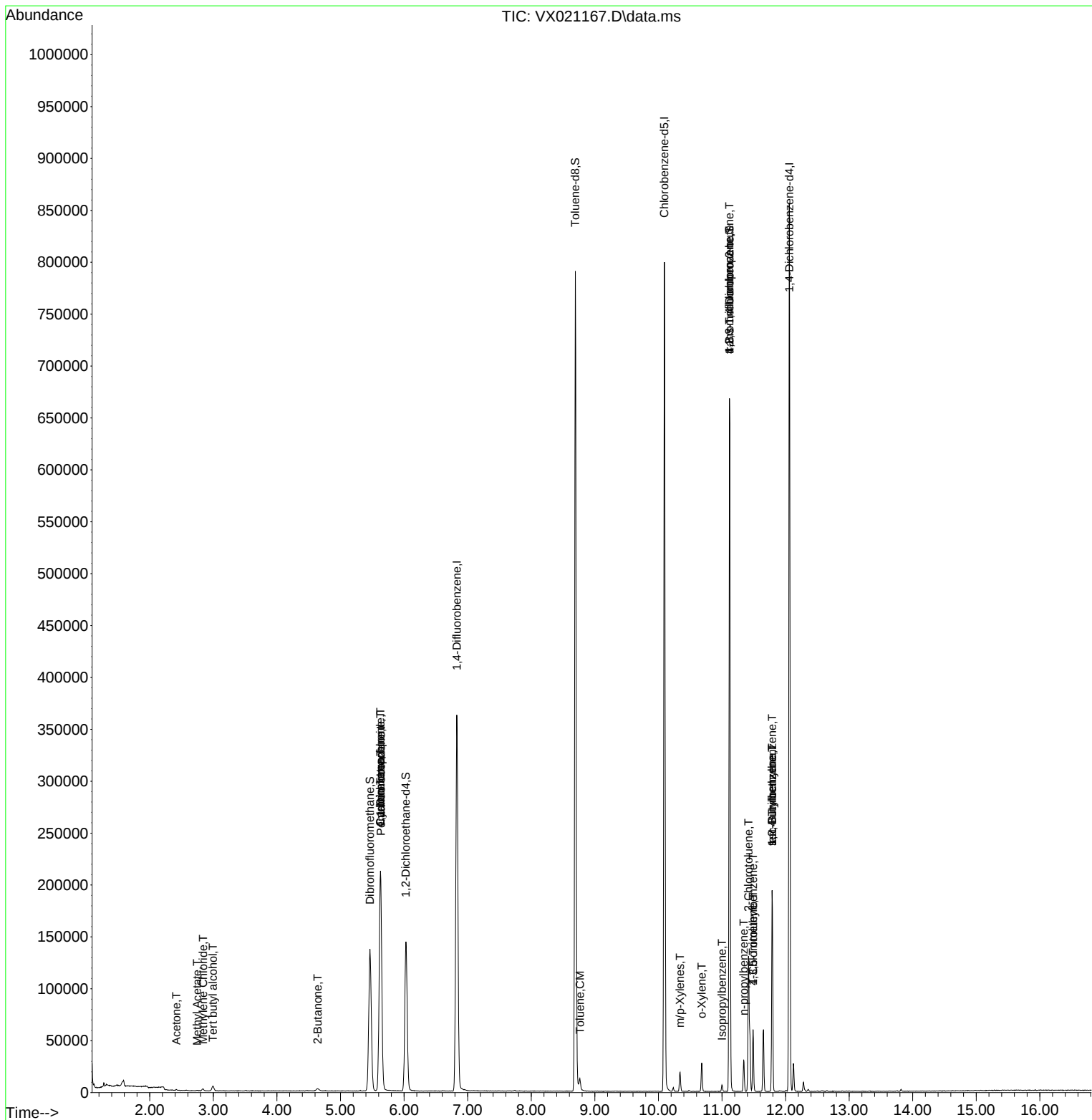
Instrument :
 MSVOA_X
 ClientSampleId :

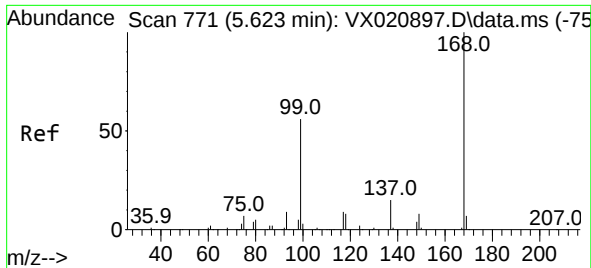
Quant Time: Mar 12 02:24:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.634	168	209987	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.829	114	383657	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	375093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	181939	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	137094	48.33	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.66%
35) Dibromofluoromethane	5.464	113	117807	50.54	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.08%
50) Toluene-d8	8.694	98	482187	53.05	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.10%
62) 4-Bromofluorobenzene	11.117	95	188199	56.00	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.00%
Target Compounds						
					Qvalue	
5) Bromomethane	1.634	94	250	Below Cal		89
11) Tert butyl alcohol	2.993	59	2772	4.39 ug/l #		73
16) Acetone	2.416	43	997	0.85 ug/l		96
18) Methyl Acetate	2.746	43	652	0.24 ug/l #		64
20) Methylene Chloride	2.840	84	962	0.34 ug/l #		92
25) 2-Butanone	4.640	43	389	0.22 ug/l #		45
31) Cyclohexane	5.629	56	4101	1.00 ug/l #		1
36) 1,1-Dichloropropene	5.629	75	16048	4.40 ug/l #		48
38) Carbon Tetrachloride	5.629	117	20098	5.69 ug/l #		15
52) Toluene	8.764	92	3691	0.54 ug/l		95
68) m/p-Xylenes	10.341	106	4553	0.86 ug/l		97
69) o-Xylene	10.682	106	5859	1.14 ug/l		99
73) Isopropylbenzene	11.000	105	3330	0.23 ug/l		95
76) 1,2,3-Trichloropropane	11.117	75	88622	22.64 ug/l #		39
78) n-propylbenzene	11.341	91	19029	1.16 ug/l		99
79) 2-Chlorotoluene	11.418	91	10678	1.08 ug/l #		41
80) 1,3,5-Trimethylbenzene	11.488	105	25647	2.14 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.117	75	88622	50.13 ug/l #		12
82) 4-Chlorotoluene	11.488	91	2814	0.25 ug/l #		45
83) tert-Butylbenzene	11.788	119	10865	0.93 ug/l #		64
84) 1,2,4-Trimethylbenzene	11.788	105	85305	7.03 ug/l		96
85) sec-Butylbenzene	11.788	105	85305	6.22 ug/l #		57

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

Quant Time: Mar 12 02:24:15 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

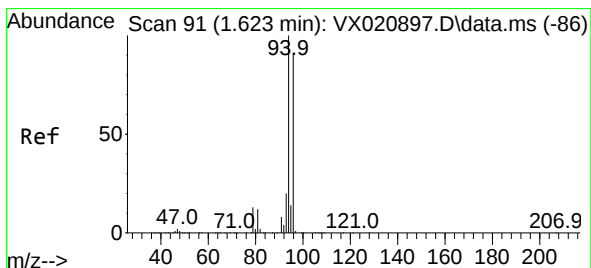
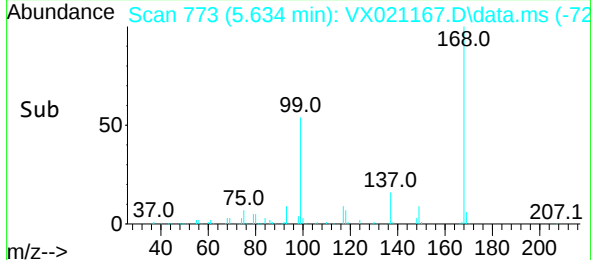
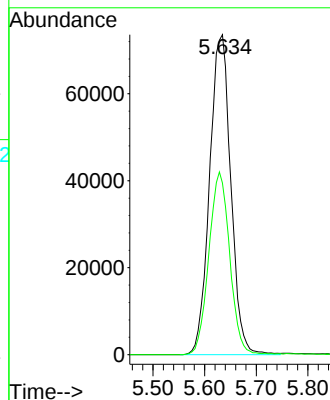
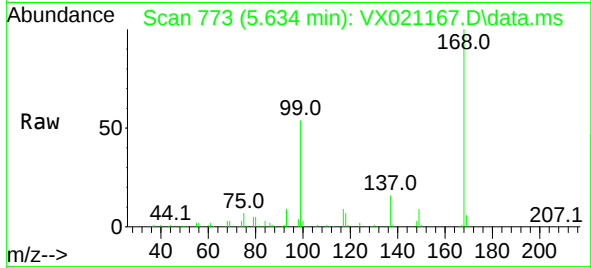




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.634 min Scan# 773
Delta R.T. 0.011 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

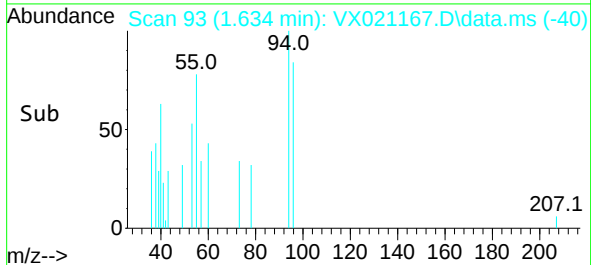
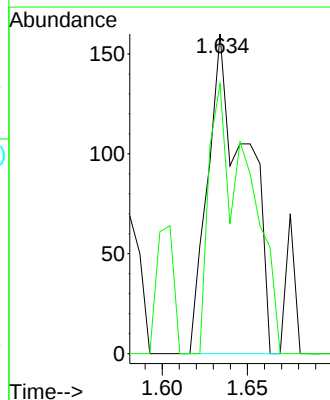
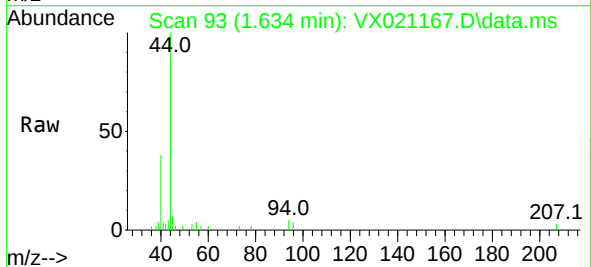
Instrument :
MSVOA_X
ClientSampleId :

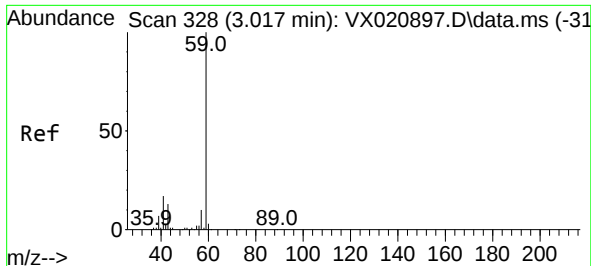
Tgt Ion:168 Resp: 209987
Ion Ratio Lower Upper
168 100
99 53.7 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Tgt Ion: 94 Resp: 250
Ion Ratio Lower Upper
94 100
96 84.4 76.4 114.6

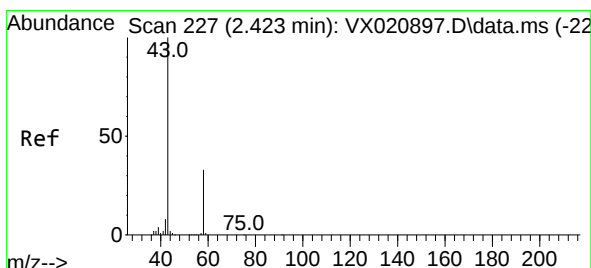
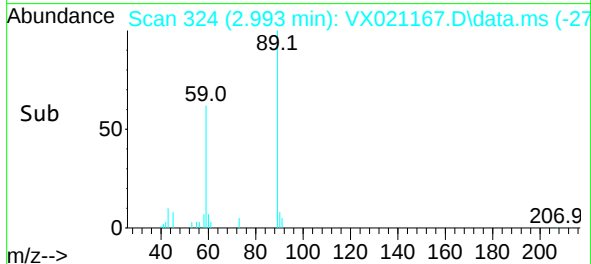
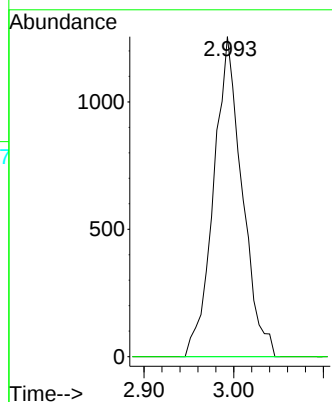
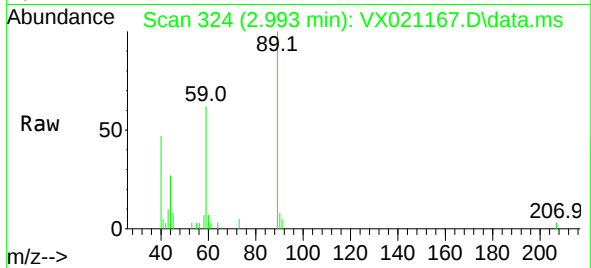




#11
Tert butyl alcohol
Concen: 4.39 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

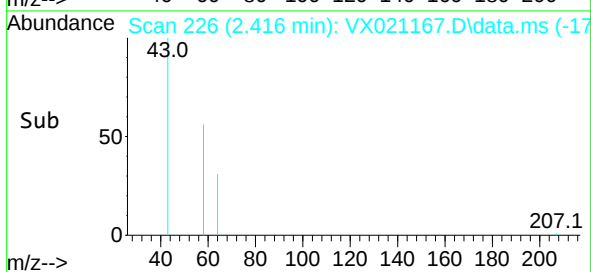
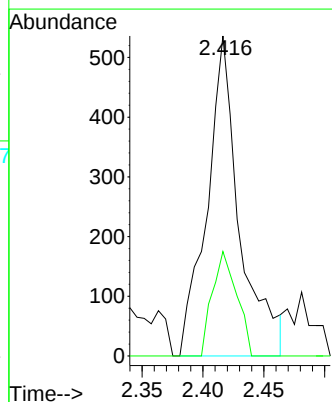
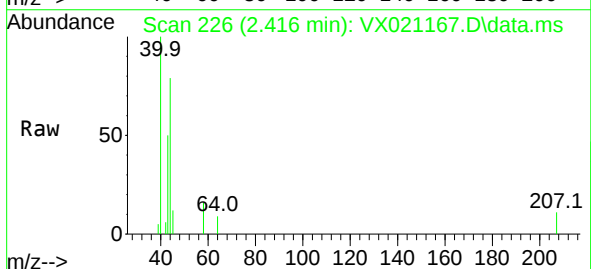
Instrument :
MSVOA_X
ClientSampled :

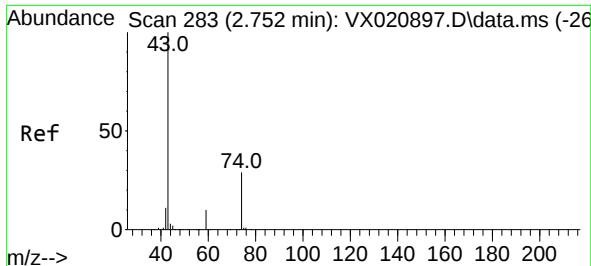
Tgt Ion: 59 Resp: 2772
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 0.85 ug/l
RT: 2.416 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

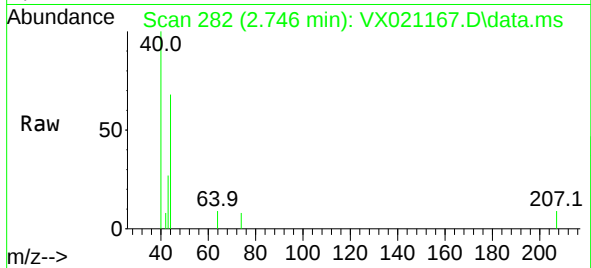
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
58 32.6 27.8 41.8



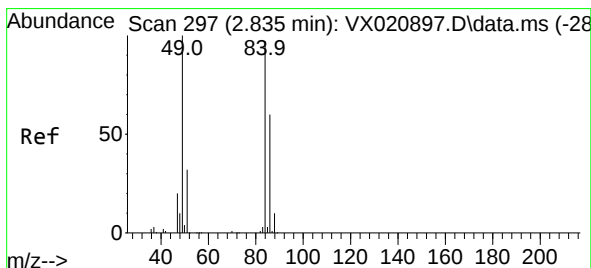
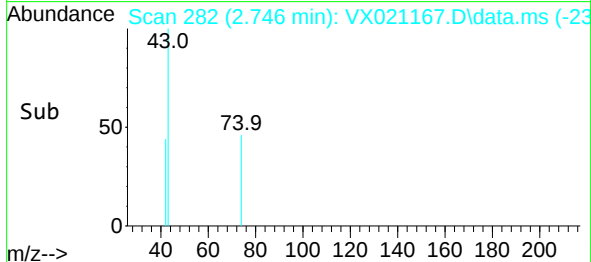
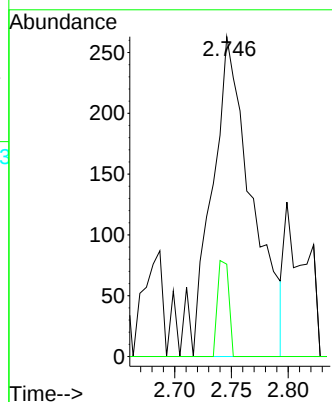


#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Instrument :
MSVOA_X
ClientSampled :

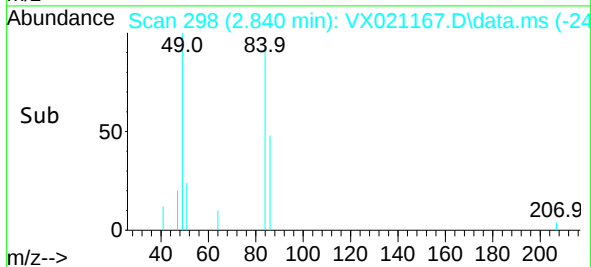
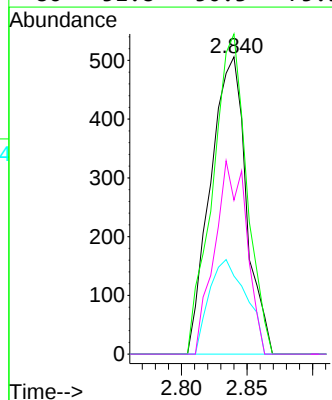
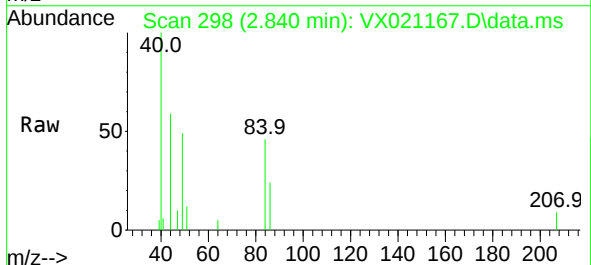


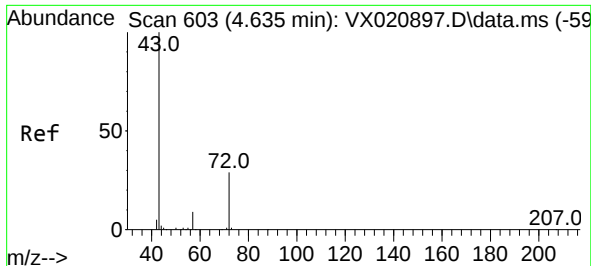
Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
74 8.4 21.9 32.9#



#20
Methylene Chloride
Concen: 0.34 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.005 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Tgt Ion: 84 Resp: 962
Ion Ratio Lower Upper
84 100
49 107.7 88.6 132.8
51 26.3 27.0 40.6#
86 51.8 50.3 75.5

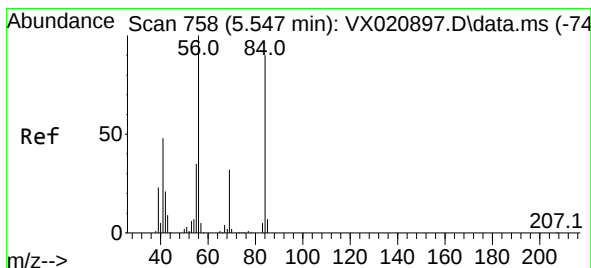
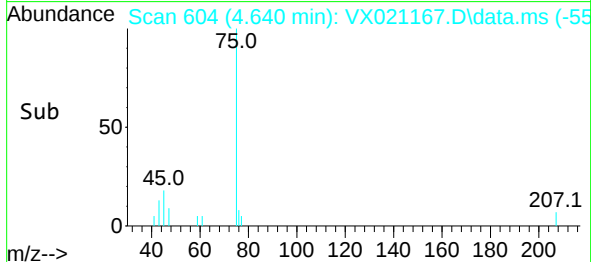
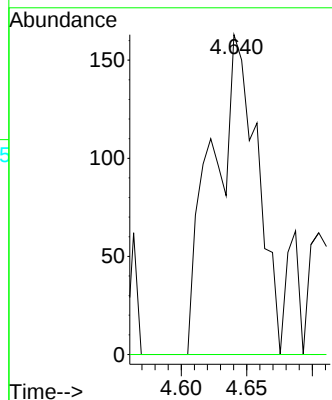
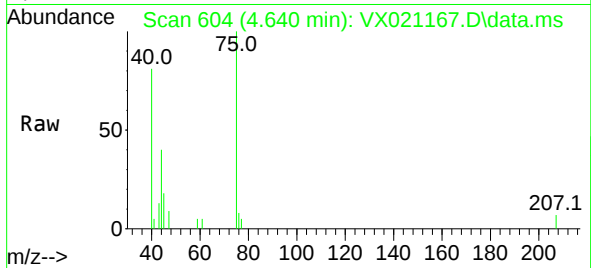




#25
2-Butanone
Concen: 0.22 ug/l
RT: 4.640 min Scan# 604
Delta R.T. 0.005 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

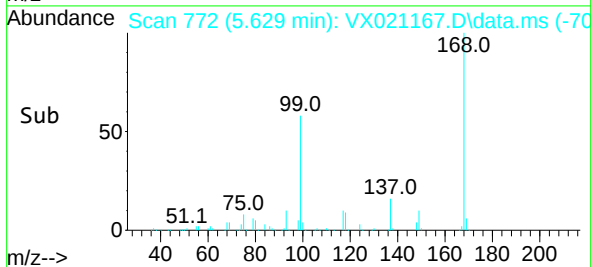
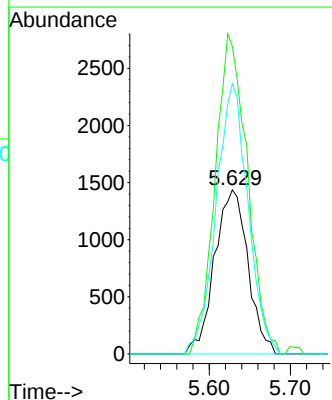
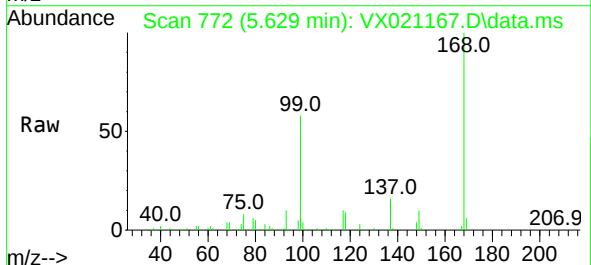
Instrument :
MSVOA_X
ClientSampleId :

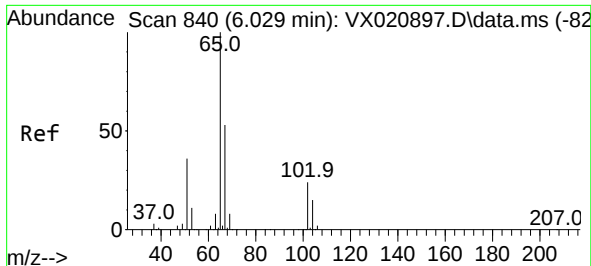
Tgt Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Tgt Ion: 56 Resp: 4101
Ion Ratio Lower Upper
56 100
69 187.3 25.3 37.9#
84 164.6 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.33 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021167.D

Acq: 11 Mar 2021 19:32

Tgt Ion: 65 Resp: 137094

Ion Ratio Lower Upper

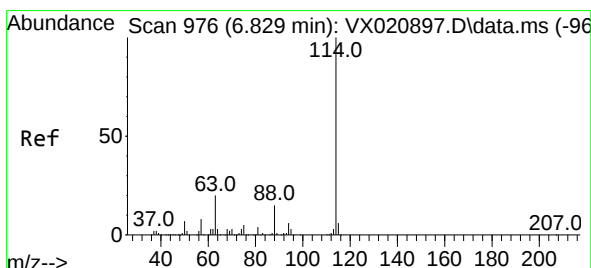
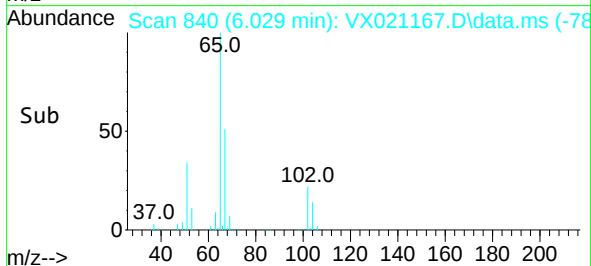
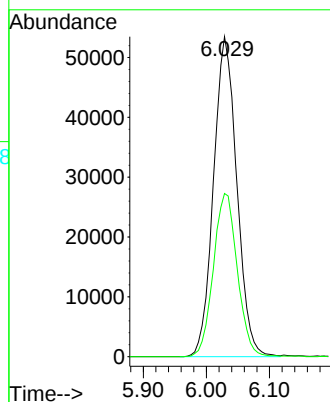
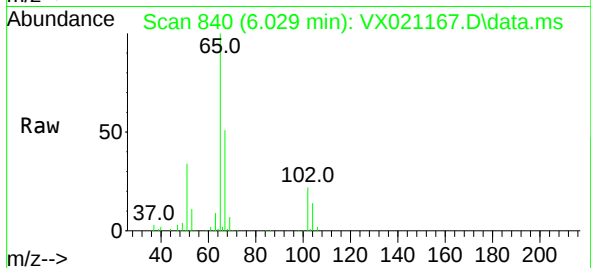
65 100

67 52.5 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

Lab File: VX021167.D

Acq: 11 Mar 2021 19:32

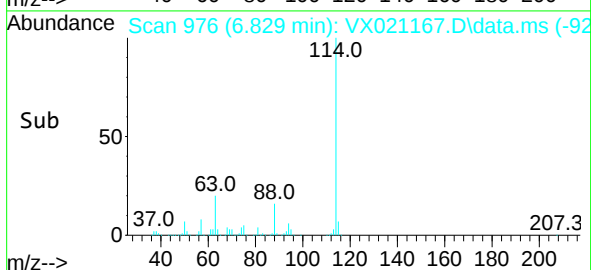
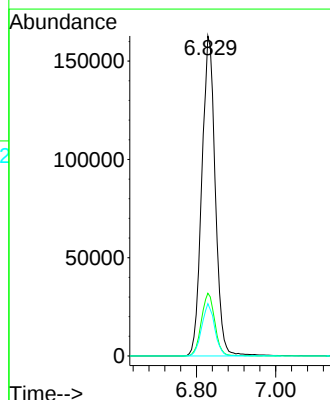
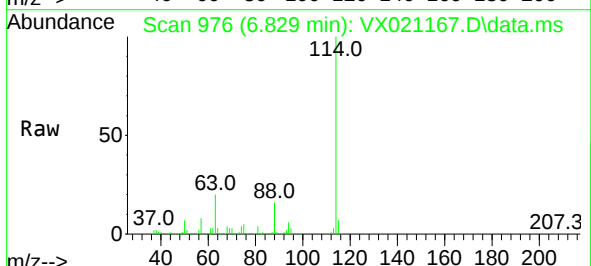
Tgt Ion: 114 Resp: 383657

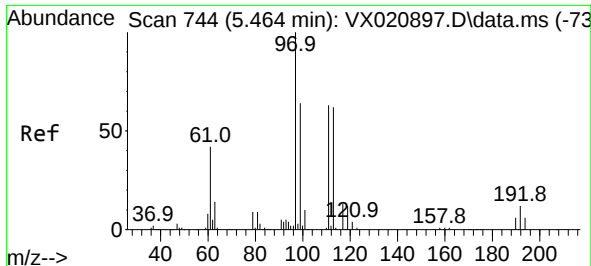
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 16.3 0.0 32.8

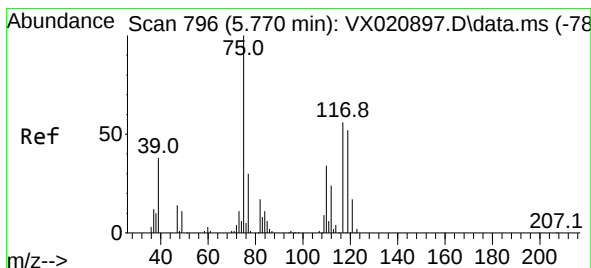
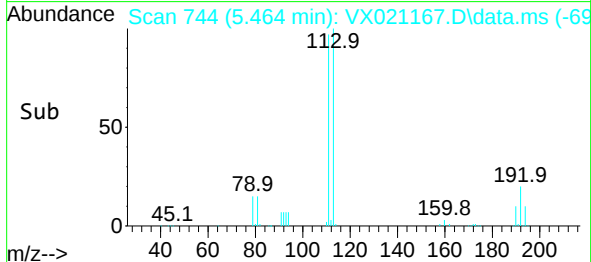
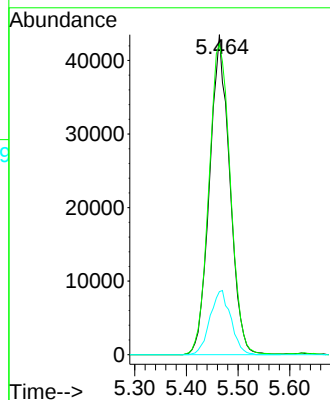
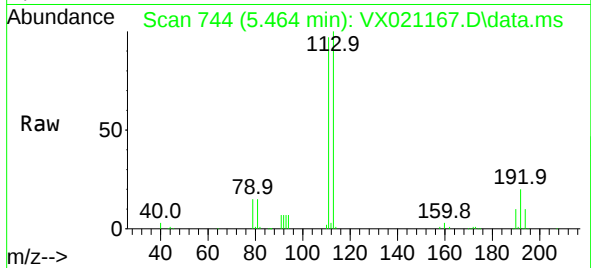




#35
Dibromofluoromethane
Concen: 50.54 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

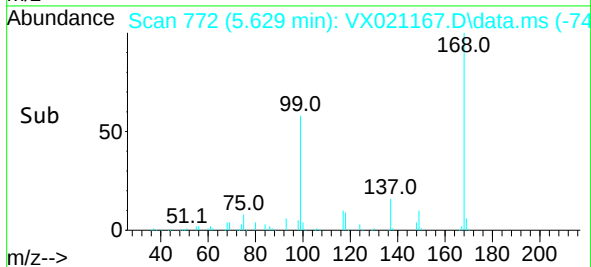
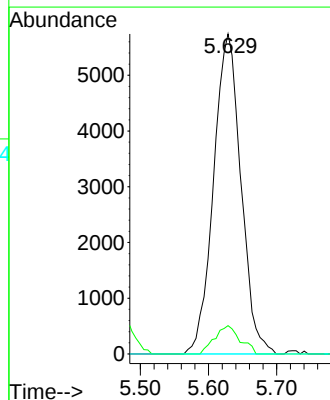
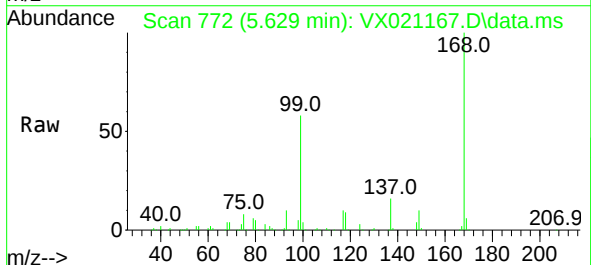
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MSVOA_X
ClientSampleId :

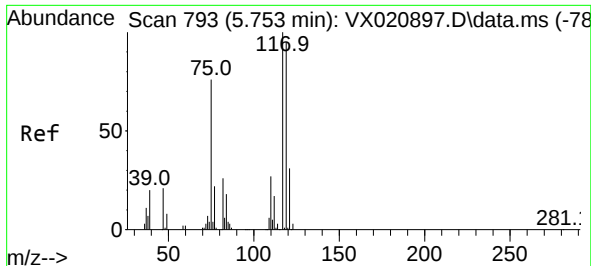
Tgt Ion:113 Resp: 117807
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 20.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.40 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.142 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Tgt Ion: 75 Resp: 16048
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#

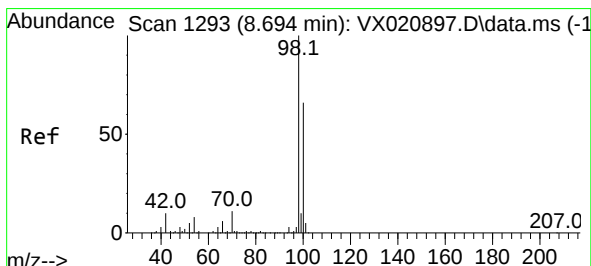
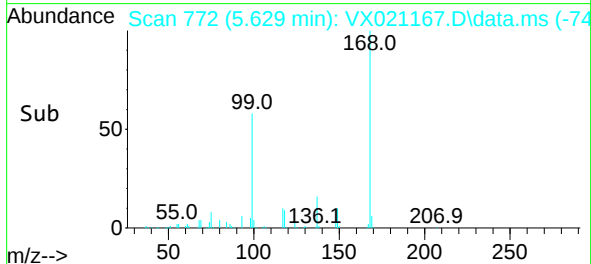
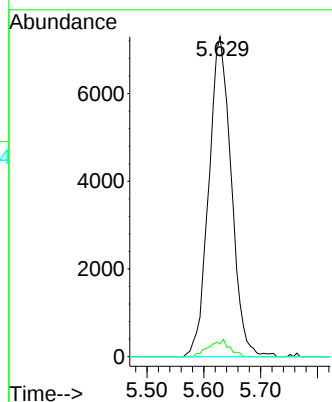
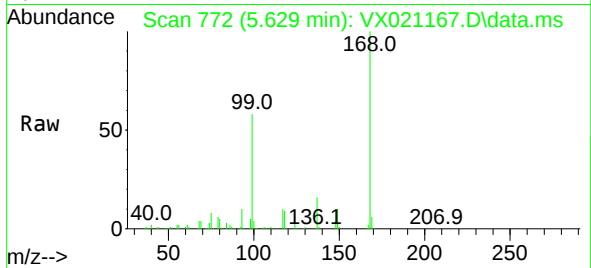




#38
Carbon Tetrachloride
Concen: 5.69 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

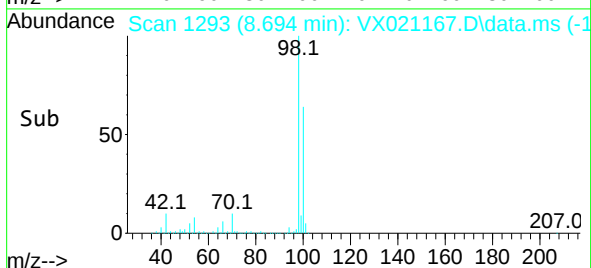
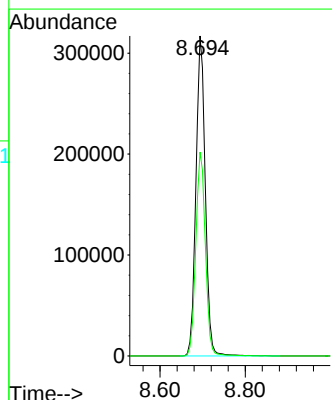
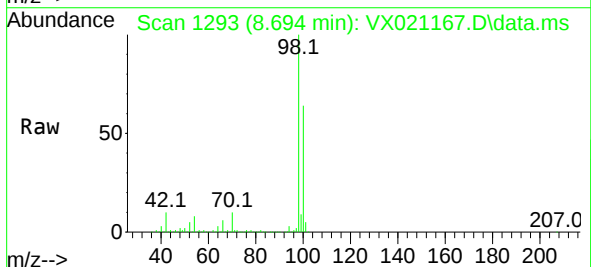
Instrument :
MSVOA_X
ClientSampleId :

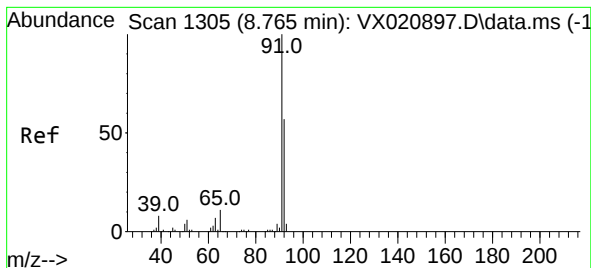
Tgt Ion:117 Resp: 20098
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.05 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Tgt Ion: 98 Resp: 482187
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9





#52

Toluene

Concen: 0.54 ug/l

RT: 8.764 min Scan# 1305

Delta R.T. -0.000 min

Lab File: VX021167.D

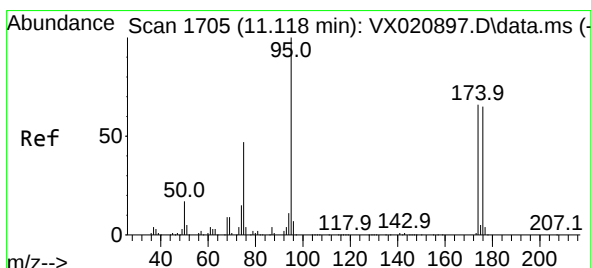
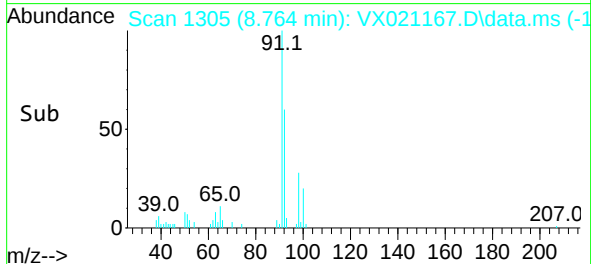
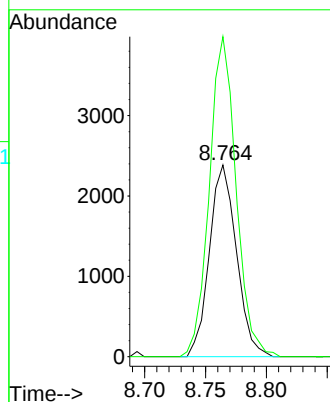
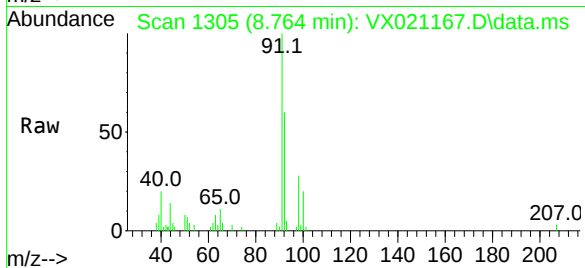
Acq: 11 Mar 2021 19:32

Tgt Ion: 92 Resp: 3691

Ion Ratio Lower Upper

92 100

91 165.0 137.1 205.7



#62

4-Bromofluorobenzene

Concen: 56.00 ug/l

RT: 11.117 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VX021167.D

Acq: 11 Mar 2021 19:32

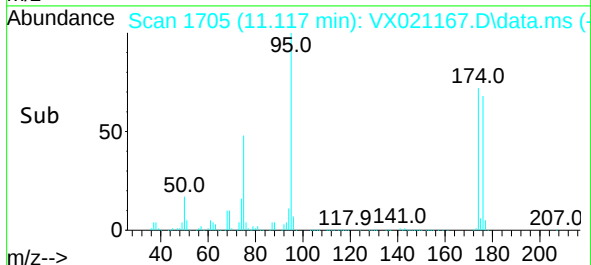
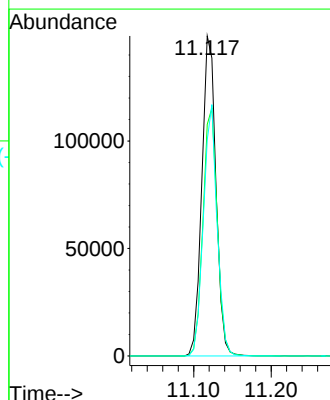
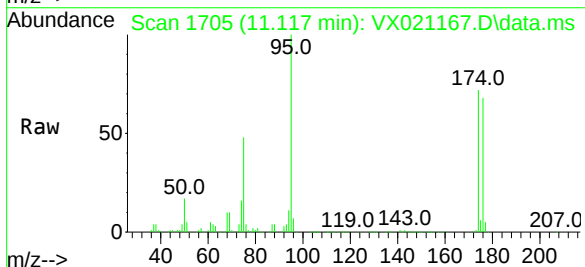
Tgt Ion: 95 Resp: 188199

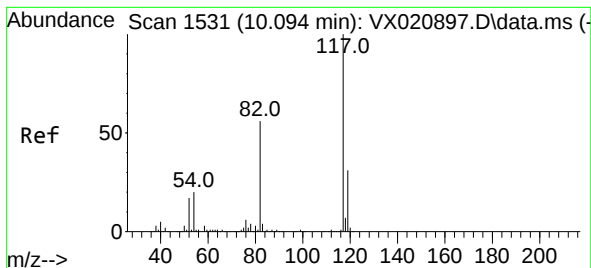
Ion Ratio Lower Upper

95 100

174 78.5 0.0 154.6

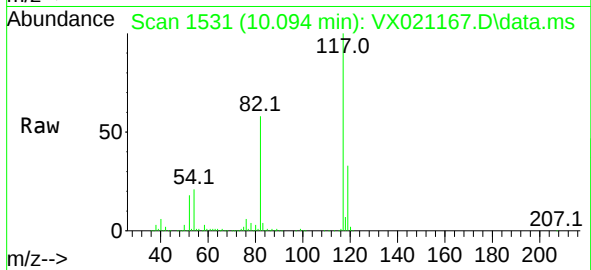
176 76.2 0.0 155.8



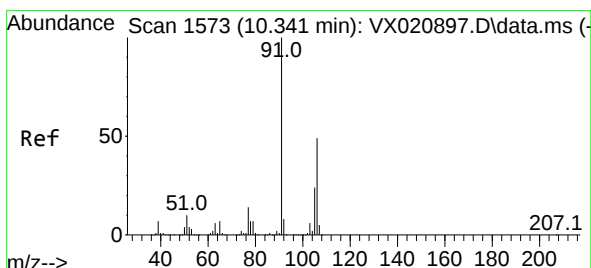
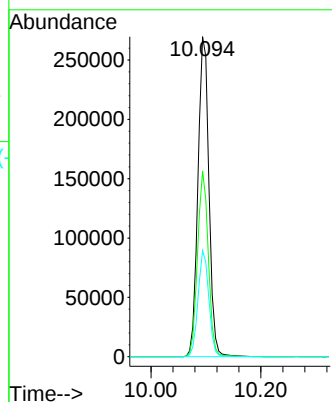
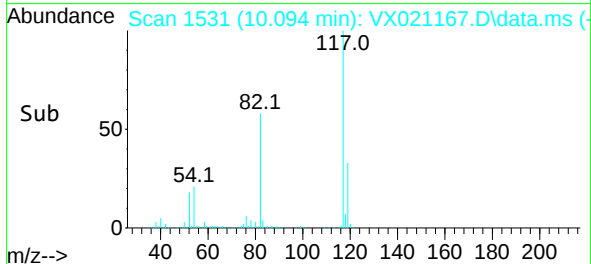


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

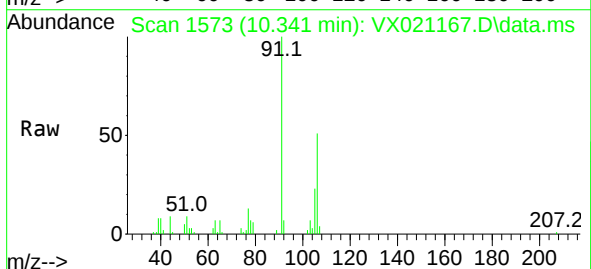
Instrument :
MSVOA_X
ClientSampleId :



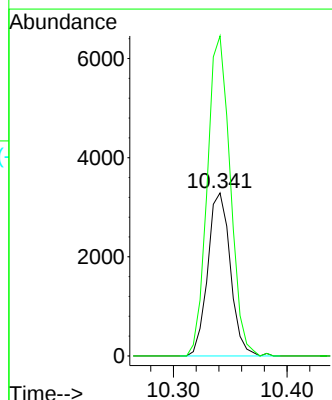
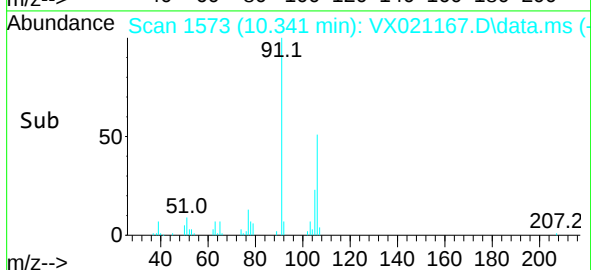
Tgt Ion:117 Resp: 375093
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 33.1 26.6 39.8

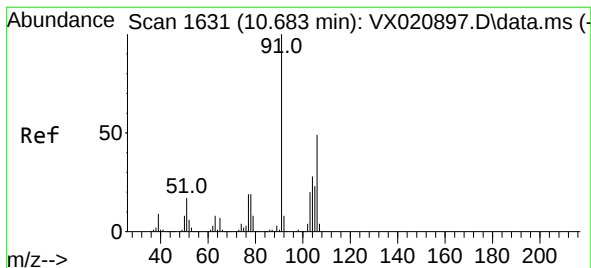


#68
m/p-Xylenes
Concen: 0.86 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32



Tgt Ion:106 Resp: 4553
Ion Ratio Lower Upper
106 100
91 199.1 162.8 244.2

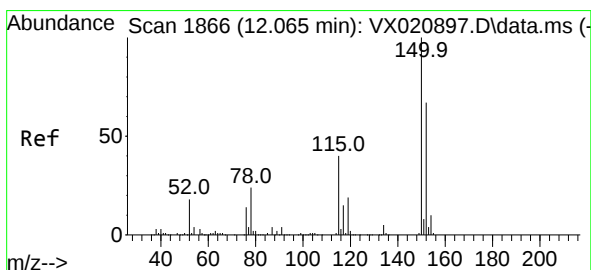
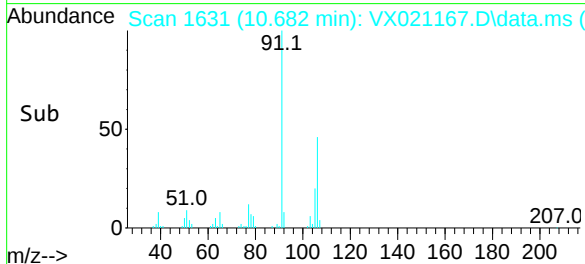
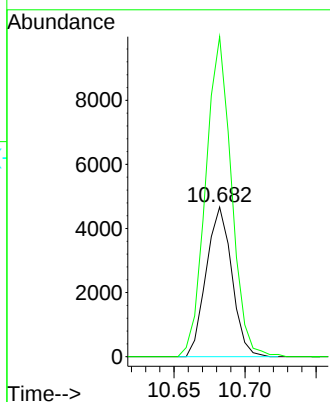
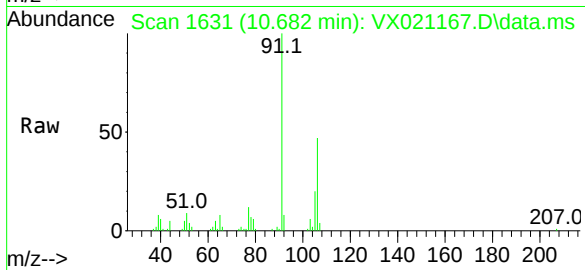




#69
o-Xylene
Concen: 1.14 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

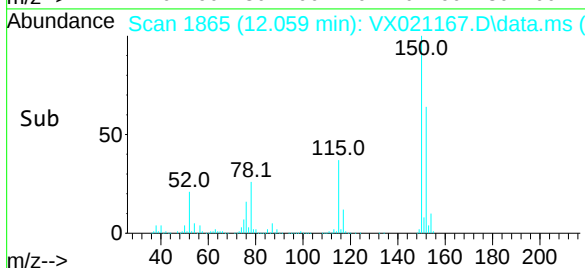
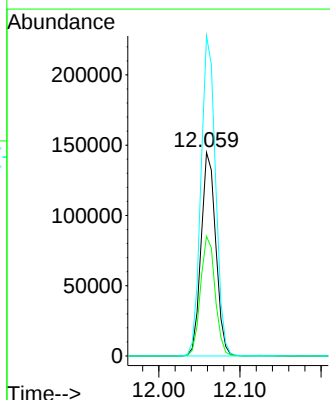
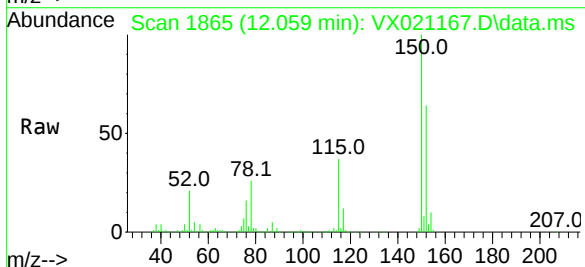
Instrument :
MSVOA_X
ClientSampled :

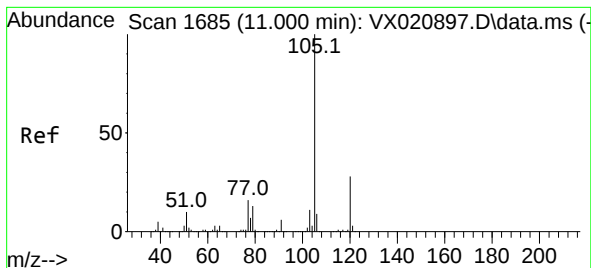
Tgt Ion:106 Resp: 5859
Ion Ratio Lower Upper
106 100
91 214.9 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Tgt Ion:152 Resp: 181939
Ion Ratio Lower Upper
152 100
115 58.3 41.1 123.3
150 156.8 0.0 349.0





#73

Isopropylbenzene

Concen: 0.23 ug/l

RT: 11.000 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX021167.D

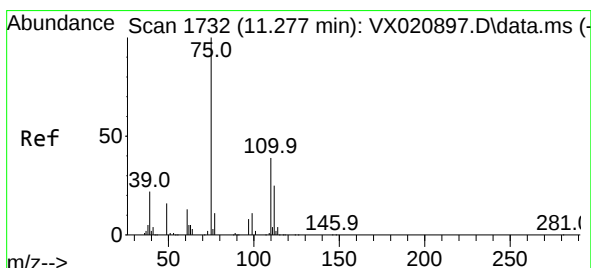
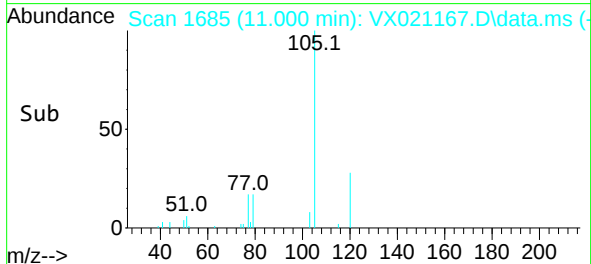
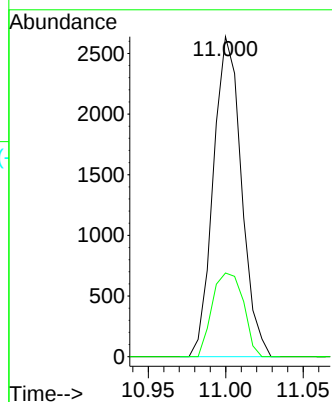
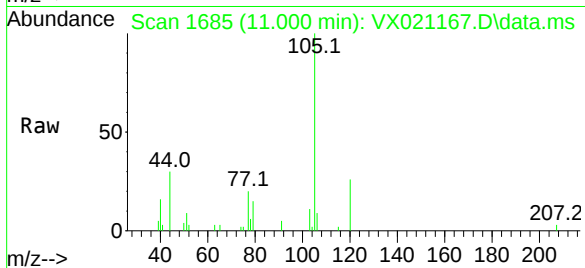
Acq: 11 Mar 2021 19:32

Tgt Ion:105 Resp: 3330

Ion Ratio Lower Upper

105 100

120 28.9 13.2 39.6



#76

1,2,3-Trichloropropane

Concen: 22.64 ug/l

RT: 11.117 min Scan# 1705

Delta R.T. -0.159 min

Lab File: VX021167.D

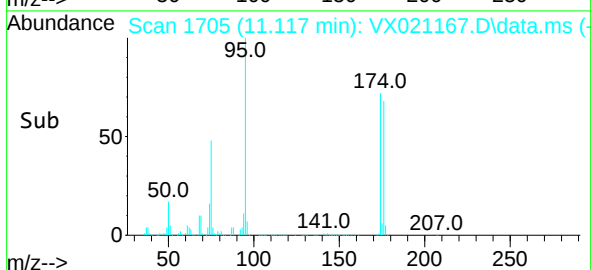
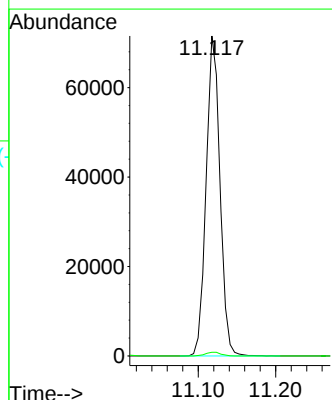
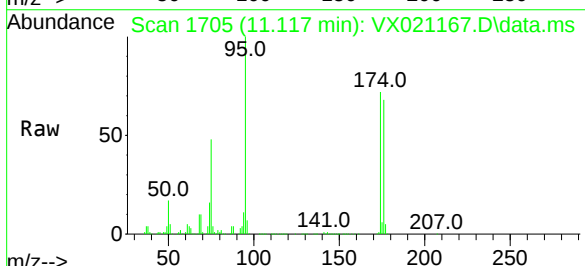
Acq: 11 Mar 2021 19:32

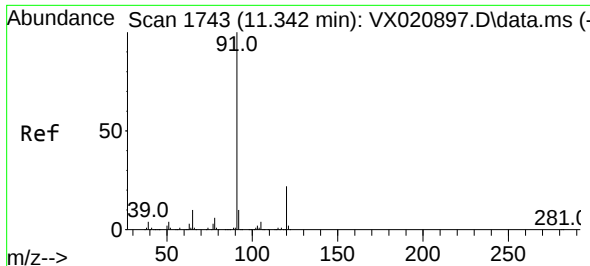
Tgt Ion: 75 Resp: 88622

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

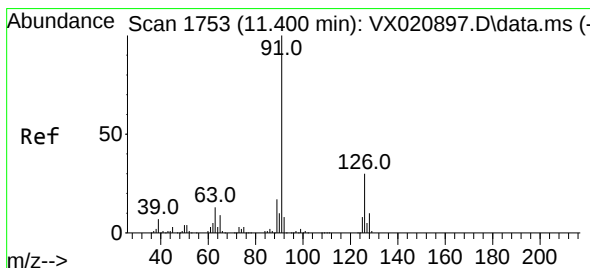
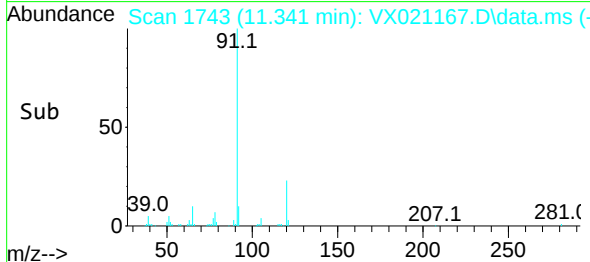
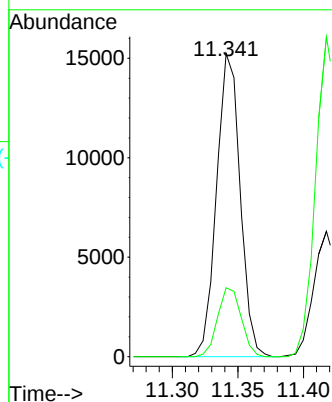
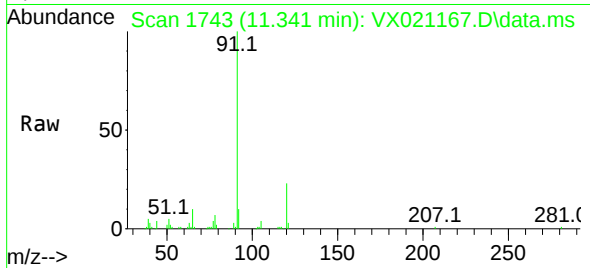




#78
n-propylbenzene
Concen: 1.16 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

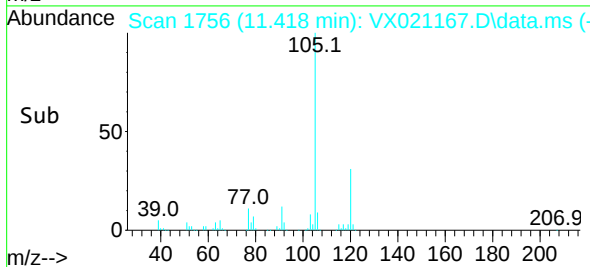
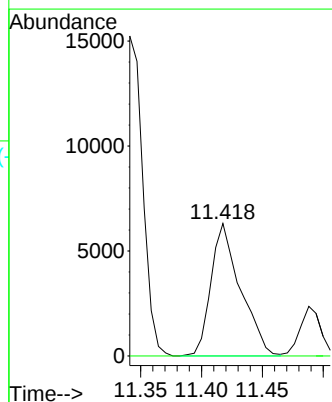
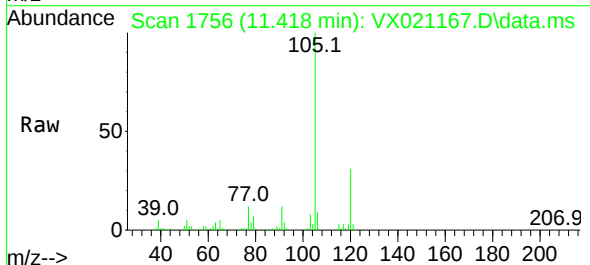
Instrument :
MSVOA_X
ClientSampled :

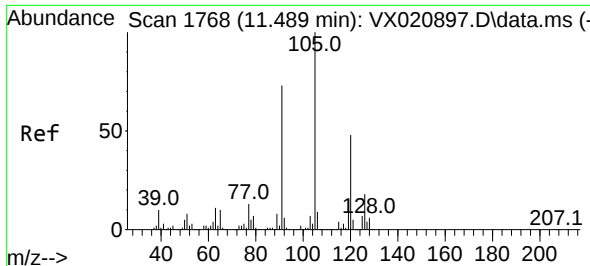
Tgt Ion: 91 Resp: 19029
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.5



#79
2-Chlorotoluene
Concen: 1.08 ug/l
RT: 11.418 min Scan# 1756
Delta R.T. 0.017 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Tgt Ion: 91 Resp: 10678
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

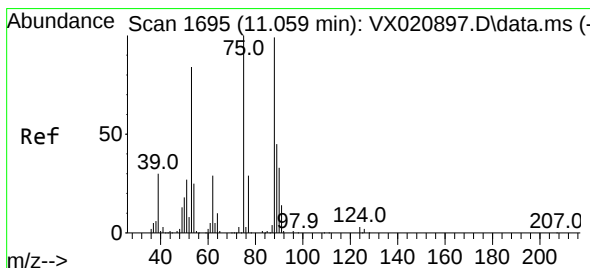
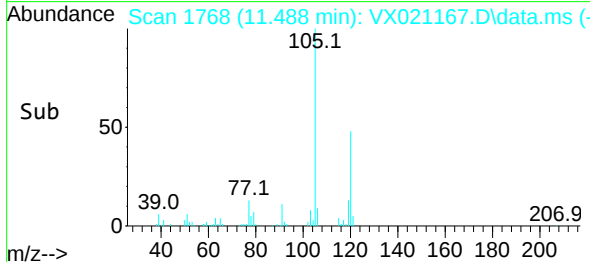
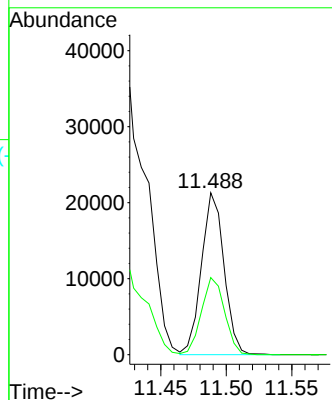
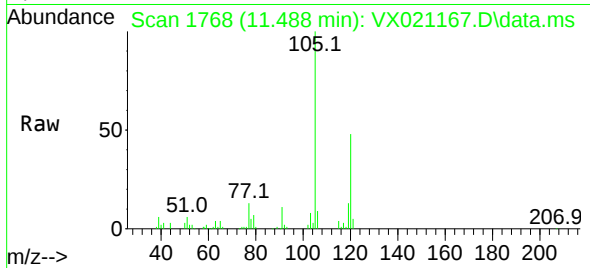




#80
1,3,5-Trimethylbenzene
Concen: 2.14 ug/l
RT: 11.488 min Scan# 1768
Delta R.T. -0.000 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

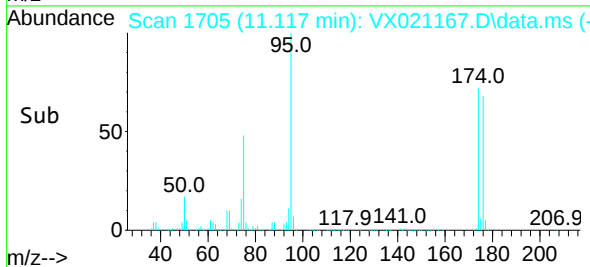
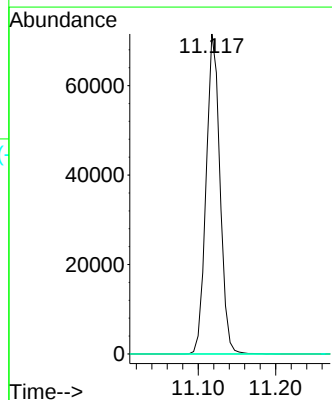
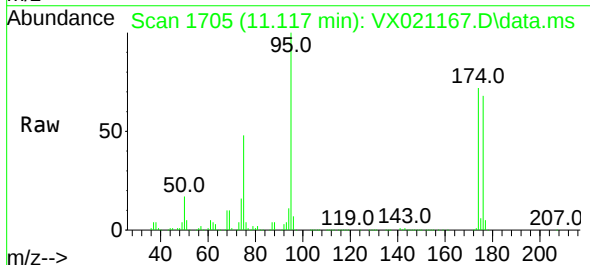
Instrument :
MSVOA_X
ClientSampled :

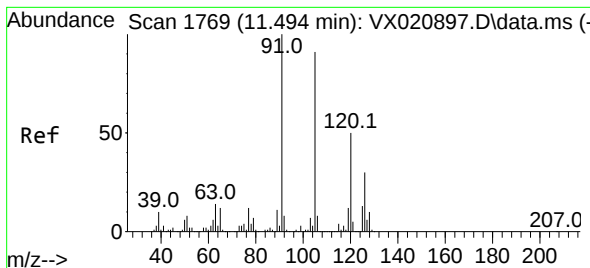
Tgt Ion:105 Resp: 25647
Ion Ratio Lower Upper
105 100
120 48.6 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 50.13 ug/l
RT: 11.117 min Scan# 1705
Delta R.T. 0.058 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Tgt Ion: 75 Resp: 88622
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

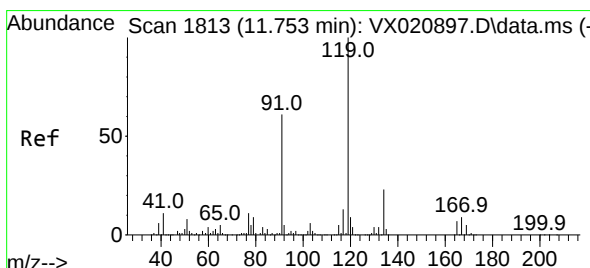
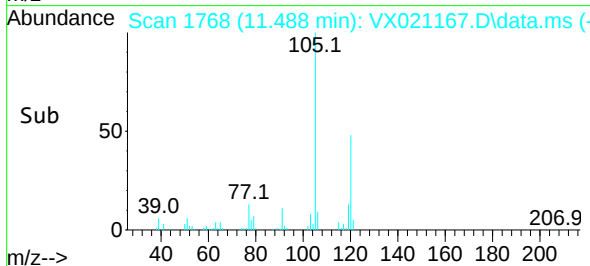
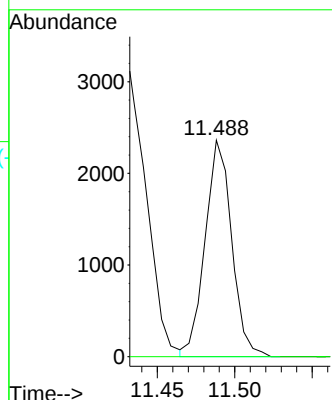
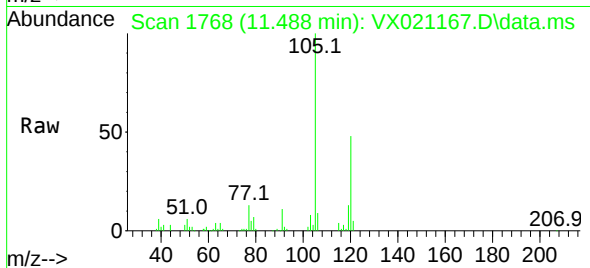




#82
4-Chlorotoluene
Concen: 0.25 ug/l
RT: 11.488 min Scan# 1768
Delta R.T. -0.006 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

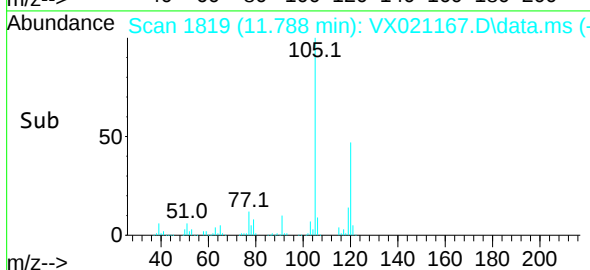
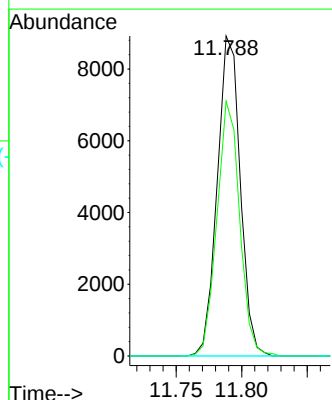
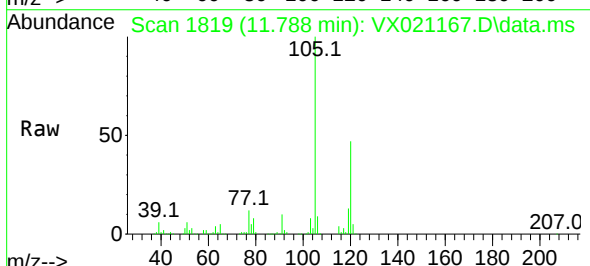
Instrument :
MSVOA_X
ClientSampled :

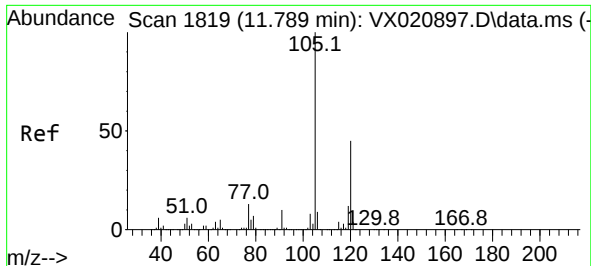
Tgt Ion: 91 Resp: 2814
Ion Ratio Lower Upper
91 100
126 0.0 14.9 44.5#



#83
tert-Butylbenzene
Concen: 0.93 ug/l
RT: 11.788 min Scan# 1819
Delta R.T. 0.035 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Tgt Ion: 119 Resp: 10865
Ion Ratio Lower Upper
119 100
91 78.6 27.9 83.7
134 0.0 11.3 33.9#

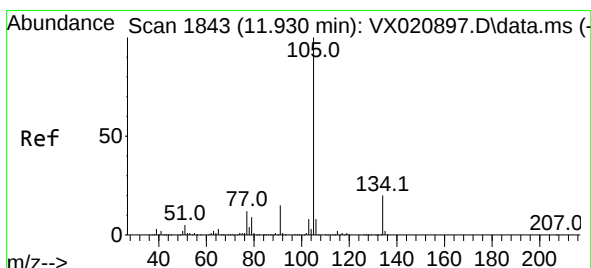
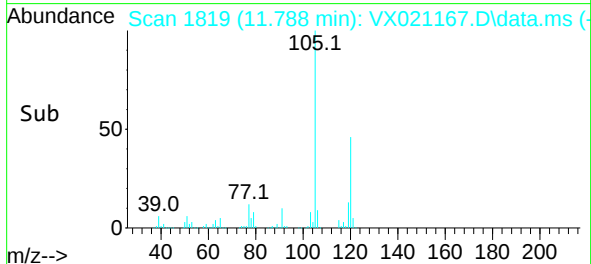
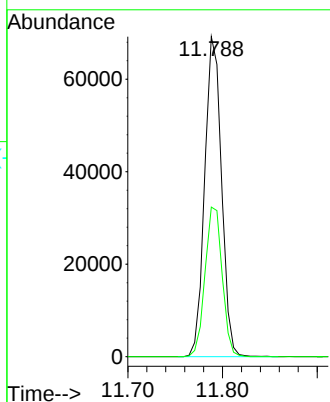
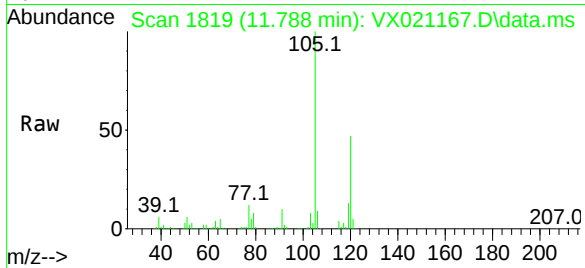




#84
1,2,4-Trimethylbenzene
Concen: 7.03 ug/l
RT: 11.788 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 85305
Ion Ratio Lower Upper
105 100
120 47.7 22.4 67.3



#85
sec-Butylbenzene
Concen: 6.22 ug/l
RT: 11.788 min Scan# 1819
Delta R.T. -0.142 min
Lab File: VX021167.D
Acq: 11 Mar 2021 19:32

Tgt Ion:105 Resp: 85305
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#

