

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031221\
 Data File : VX021184.D
 Acq On : 12 Mar 2021 16:33
 Operator : JC/MD
 Sample : M1677-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 D2470-D2800(WATER)

Quant Time: Mar 13 01:07:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X031221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 12 12:55:27 2021
 Response via : Initial Calibration

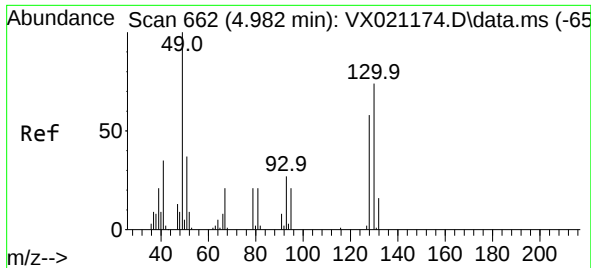
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.982	128	15169	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	84205	30.00	ug/l	# 0.00
57) Chlorobenzene-d5	10.094	117	73535	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	42526	30.46	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.53%
60) 4-Bromofluorobenzene	11.118	95	37976	28.25	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.17%
63) Toluene-d8	8.694	98	102854	30.83	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.77%
Target Compounds						
						Qvalue
15) Acetone	2.423	58	6133	42.93	ug/l	# 50
16) Carbon Disulfide	2.552	76	2033	0.82	ug/l	97
18) Methylene Chloride	2.834	84	489	0.48	ug/l	87
25) Chloroform	5.176	83	42414	21.95	ug/l	98
30) 2-Butanone	4.635	43	716666	913.55	ug/l	91
41) Bromodichloromethane	7.870	83	1106	0.68	ug/l	# 94
62) Toluene	8.765	91	6066	1.49	ug/l	95
66) Ethyl Benzene	10.235	91	228641	48.77	ug/l	98
67) m/p-Xylenes	10.341	106	346147	205.11	ug/l	92
68) o-Xylene	10.683	106	195600	119.72	ug/l	91
70) Isopropylbenzene	11.000	105	2012	0.45	ug/l	99
80) 1,2,4-Trimethylbenzene	11.794	105	1060	0.28	ug/l	83
82) p-Isopropyltoluene	12.047	119	1031	0.27	ug/l	90
83) 1,3-Dichlorobenzene	12.006	146	606	0.32	ug/l	92
84) 1,4-Dichlorobenzene	12.083	146	827	0.43	ug/l	94
89) 1,2,4-Trichlorobenzene	13.624	180	590	0.50	ug/l	89
91) Naphthalene	13.818	128	6719	1.78	ug/l	99

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

Quant Time: Mar 13 01:07:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X031221W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 12 12:55:27 2021
Response via : Initial Calibration

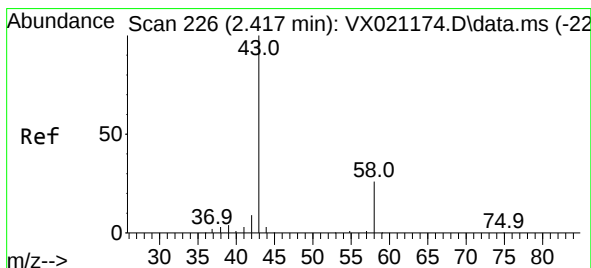
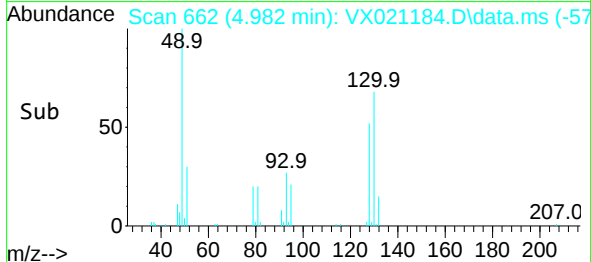
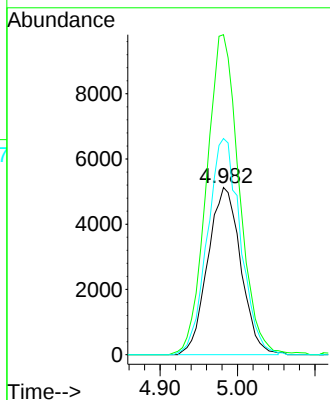
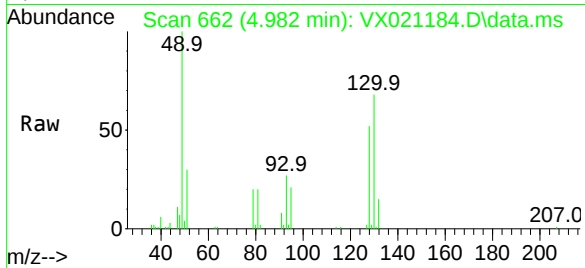




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.982 min Scan# 662
Delta R.T. -0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

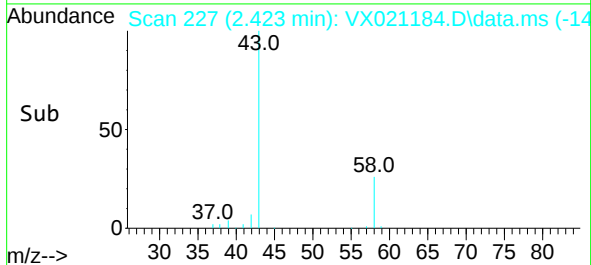
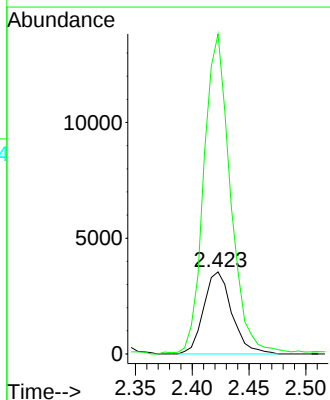
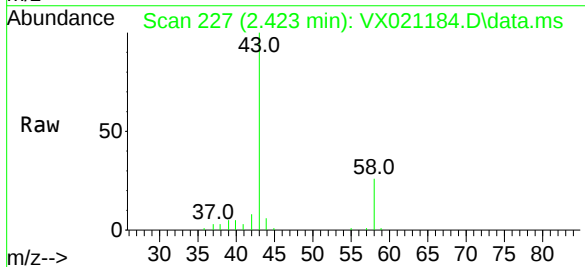
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

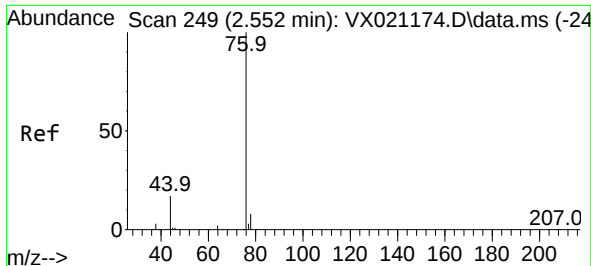
Tgt Ion:	128	Resp:	15169
Ion	Ratio	Lower	Upper
128	100		
49	189.3	0.0	367.5
130	130.0	0.0	318.8



#15
Acetone
Concen: 42.93 ug/l
RT: 2.423 min Scan# 227
Delta R.T. 0.006 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

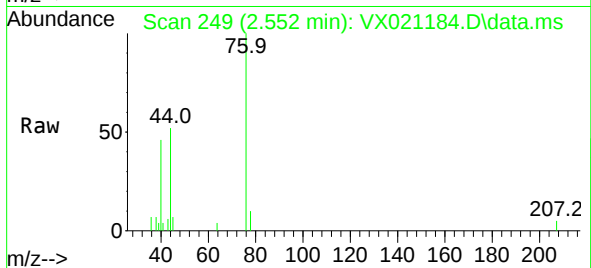
Tgt Ion:	58	Resp:	6133
Ion	Ratio	Lower	Upper
58	100		
43	387.7	232.6	348.8#



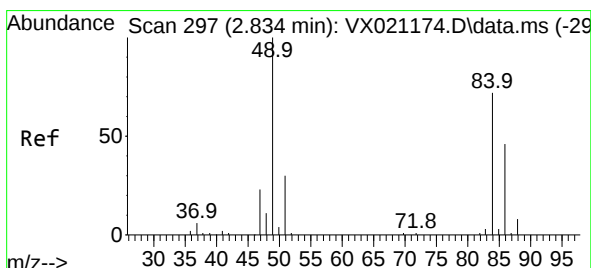
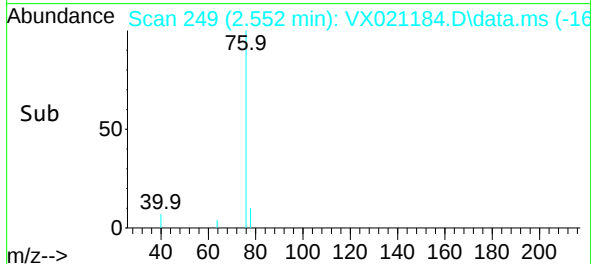
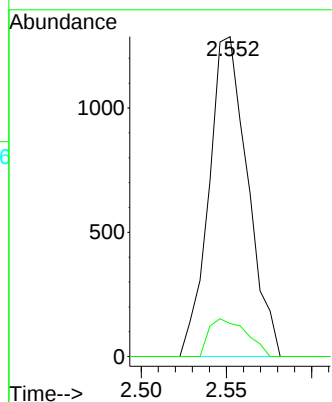


#16
Carbon Disulfide
Concen: 0.82 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

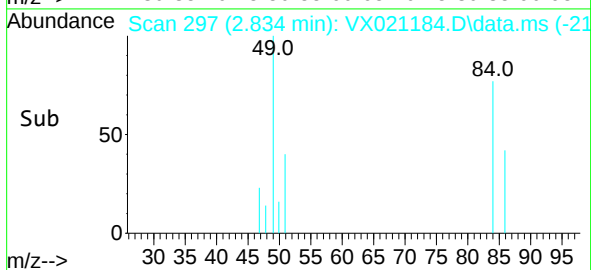
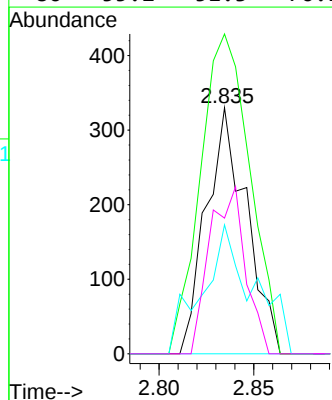
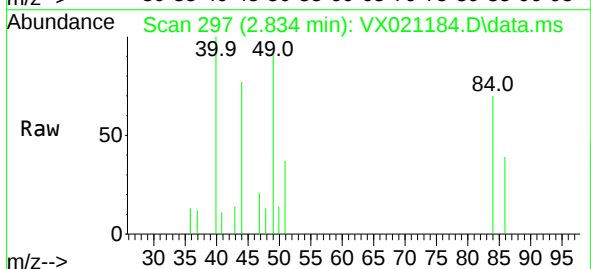


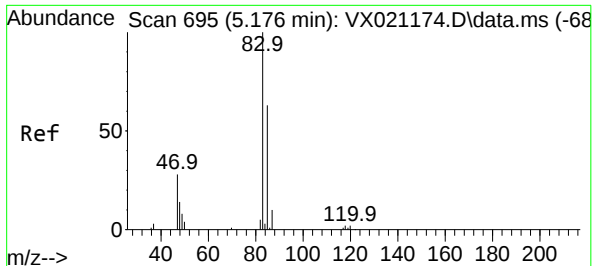
Tgt Ion: 76 Resp: 2033
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0



#18
Methylene Chloride
Concen: 0.48 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

Tgt Ion: 84 Resp: 489
Ion Ratio Lower Upper
84 100
49 130.0 90.6 136.0
51 28.2 26.3 39.5
86 55.2 51.3 76.9

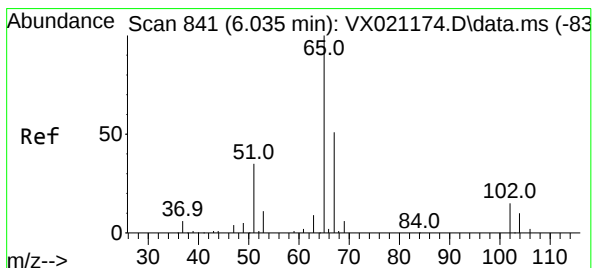
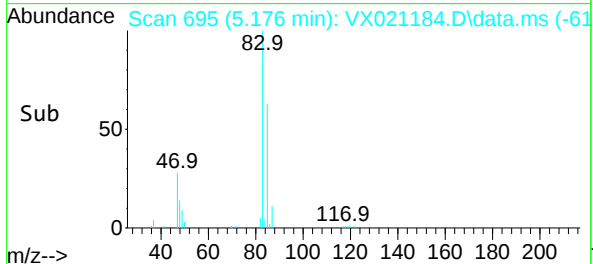
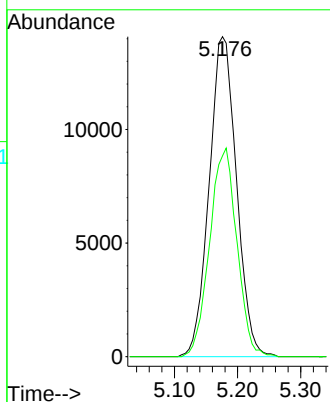
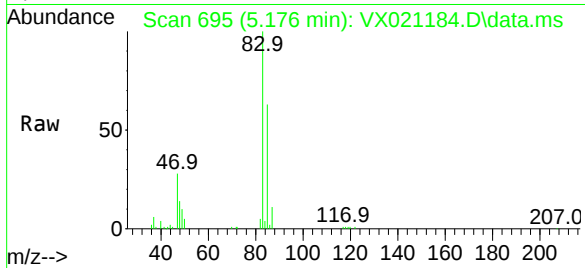




#25
Chloroform
Concen: 21.95 ug/l
RT: 5.176 min Scan# 695
Delta R.T. -0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

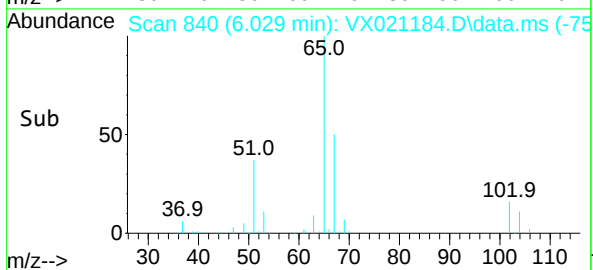
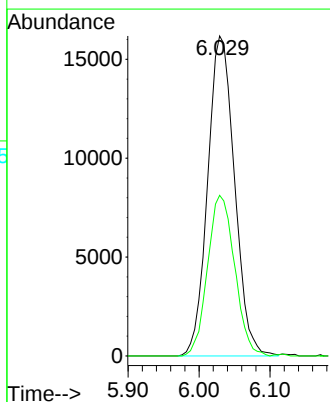
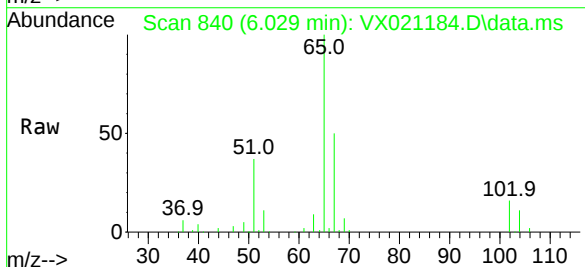
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

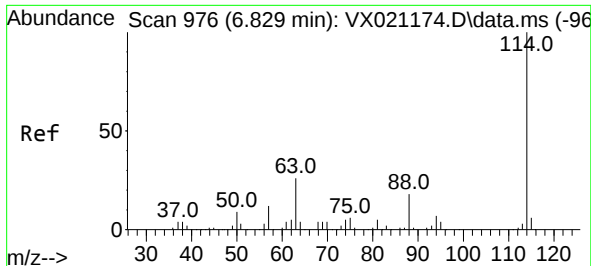
Tgt Ion: 83 Resp: 42414
Ion Ratio Lower Upper
83 100
85 62.7 51.2 76.8



#27
1,2-Dichloroethane-d4
Concen: 30.46 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.006 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

Tgt Ion: 65 Resp: 42526
Ion Ratio Lower Upper
65 100
67 50.6 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.829 min Scan# 976

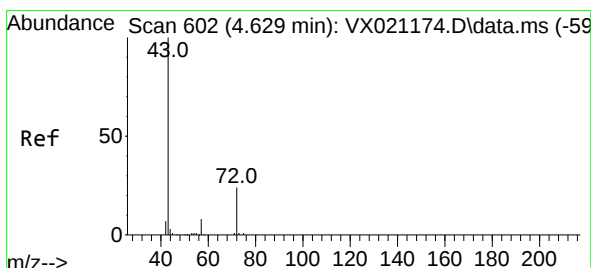
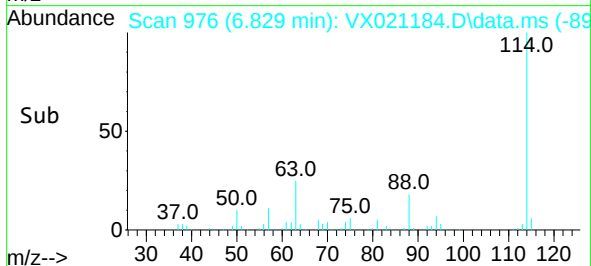
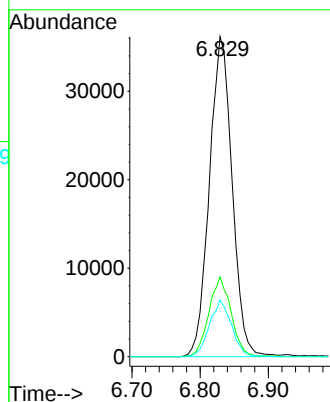
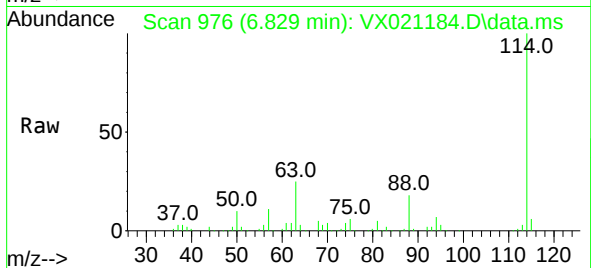
Delta R.T. 0.000 min

Lab File: VX021184.D

Acq: 12 Mar 2021 16:33

Tgt Ion:114	Resp:	84205
Ion Ratio	Lower	Upper
114	100	
63	24.4	16.2 24.2#
88	17.0	13.0 19.6

Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)



#30

2-Butanone

Concen: 913.55 ug/l

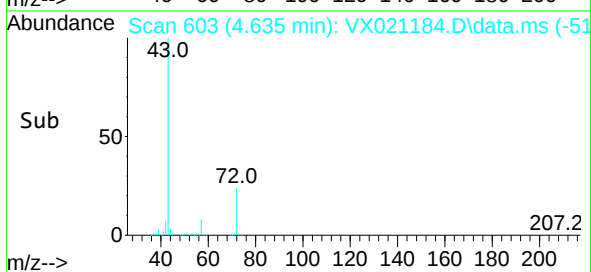
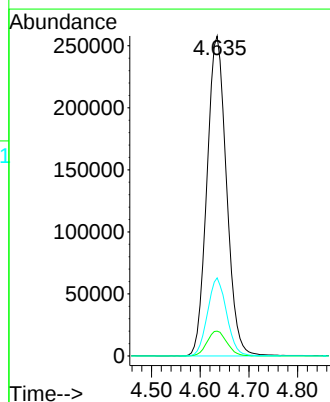
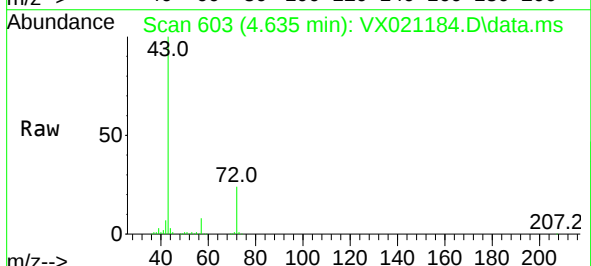
RT: 4.635 min Scan# 603

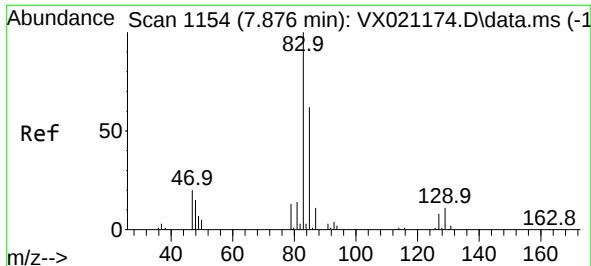
Delta R.T. 0.006 min

Lab File: VX021184.D

Acq: 12 Mar 2021 16:33

Tgt Ion: 43	Resp:	716666
Ion Ratio	Lower	Upper
43	100	
57	7.9	7.2 10.8
72	23.9	23.7 35.5

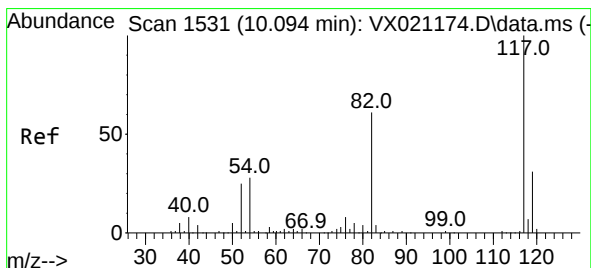
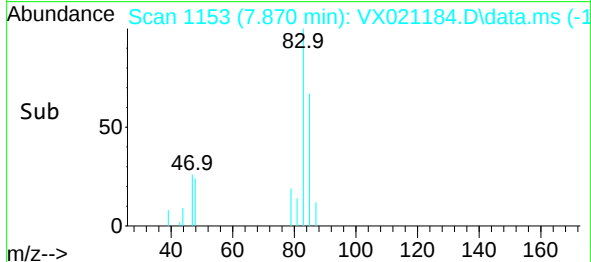
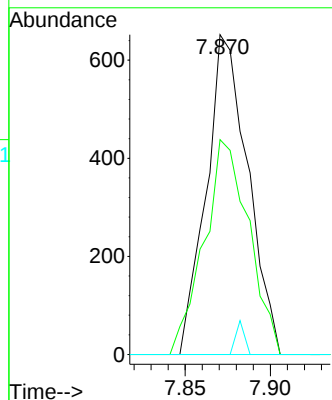
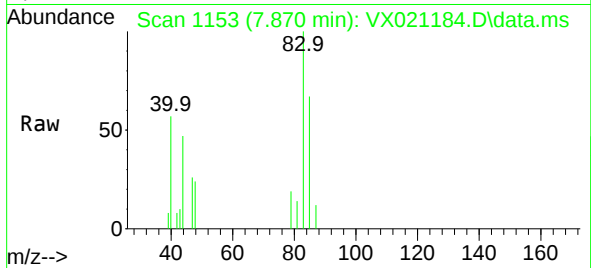




#41
Bromodichloromethane
Concen: 0.68 ug/l
RT: 7.870 min Scan# 1153
Delta R.T. -0.006 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

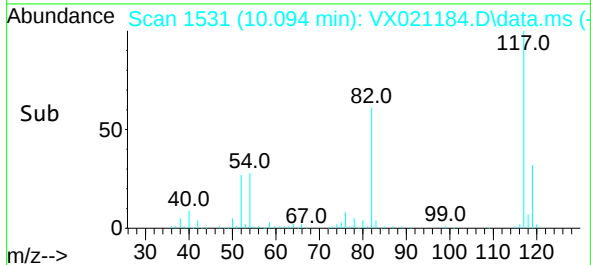
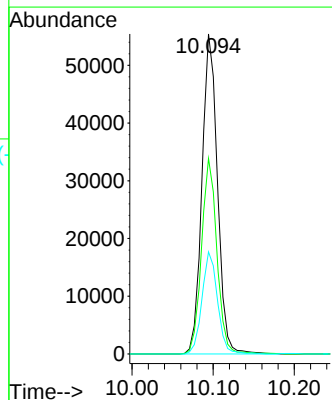
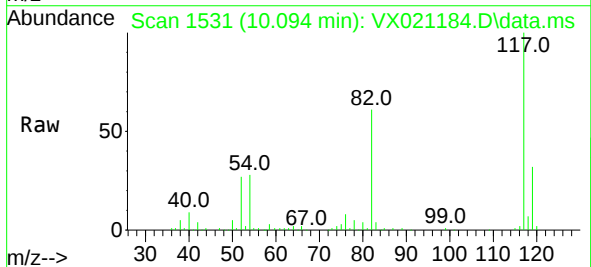
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

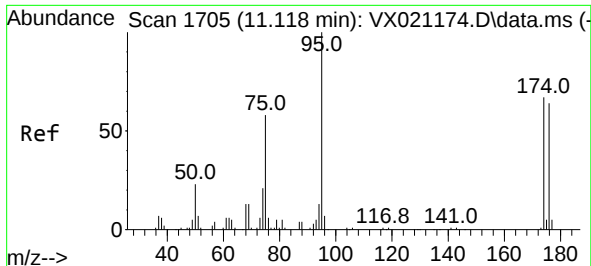
Tgt Ion: 83 Resp: 1106
Ion Ratio Lower Upper
83 100
85 67.2 51.4 77.0
127 0.0 7.1 10.7#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

Tgt Ion: 117 Resp: 73535
Ion Ratio Lower Upper
117 100
82 60.1 45.0 67.6
119 31.8 25.6 38.4

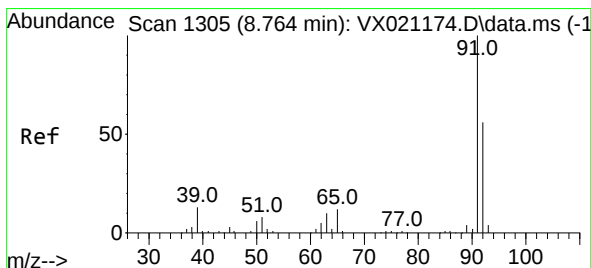
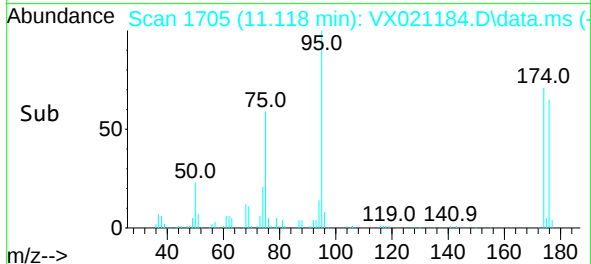
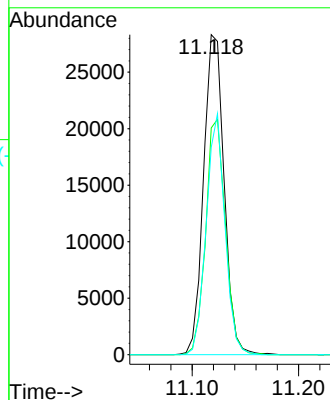
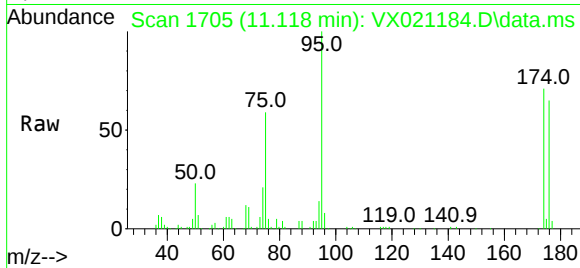




#60
4-Bromofluorobenzene
Concen: 28.25 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

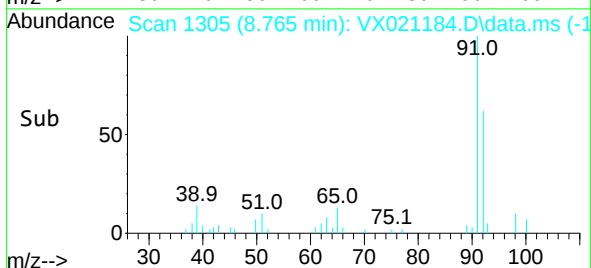
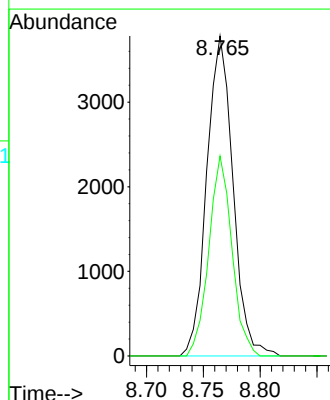
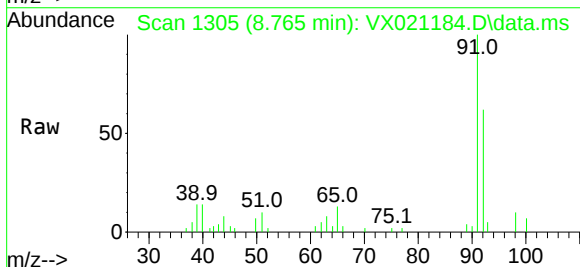
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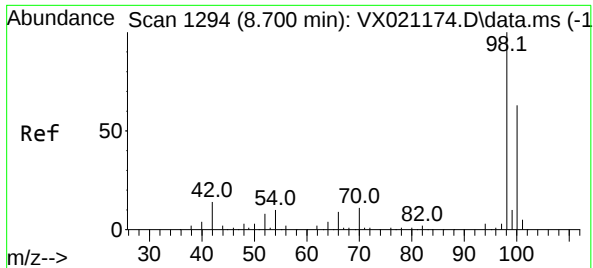
Tgt Ion: 95 Resp: 37976
Ion Ratio Lower Upper
95 100
174 70.9 63.0 94.4
176 68.5 59.9 89.9



#62
Toluene
Concen: 1.49 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

Tgt Ion: 91 Resp: 6066
Ion Ratio Lower Upper
91 100
92 55.2 47.2 70.8

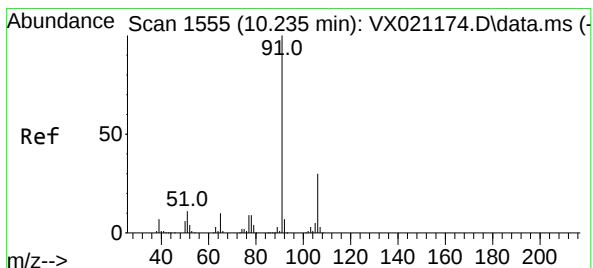
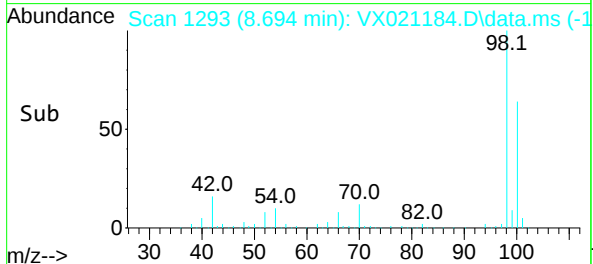
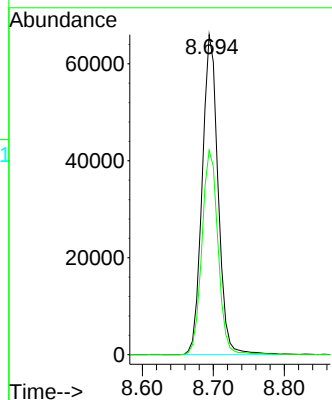
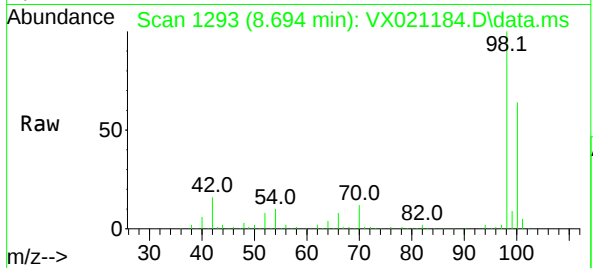




#63
Toluene-d8
Concen: 30.83 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

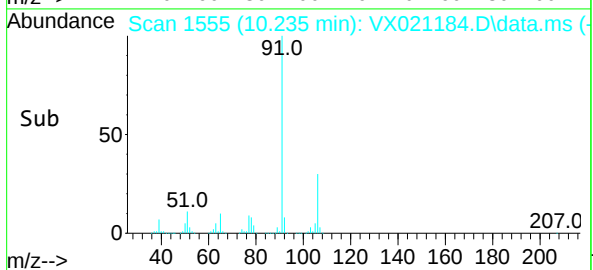
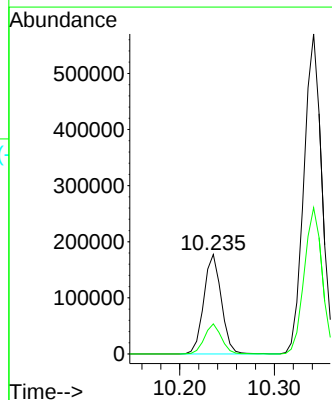
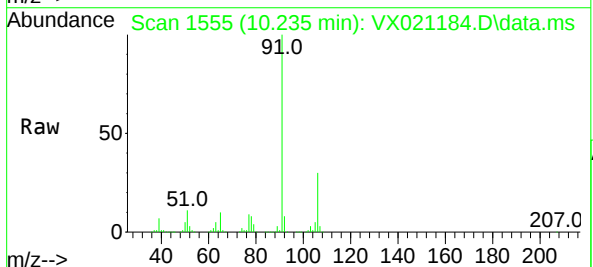
Instrument :
MSVOA_X
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D2470-D2800(WATER)

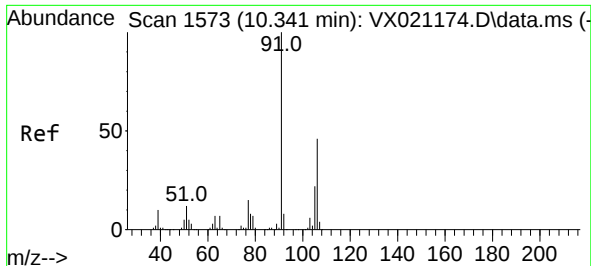
Tgt Ion: 98 Resp: 102854
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.4



#66
Ethyl Benzene
Concen: 48.77 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

Tgt Ion: 91 Resp: 228641
Ion Ratio Lower Upper
91 100
106 30.2 25.0 37.4

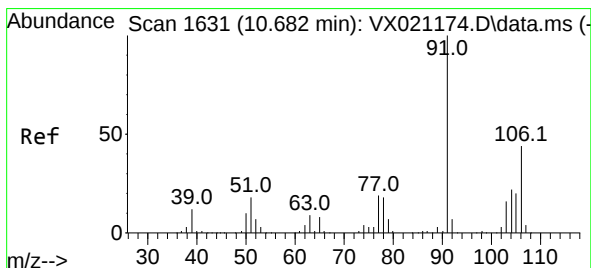
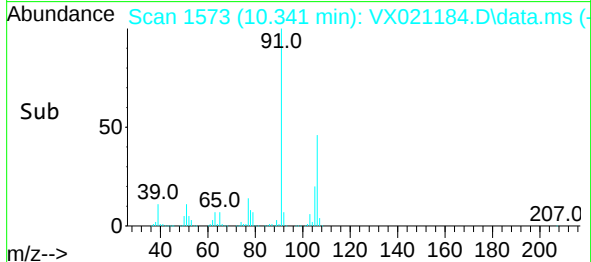
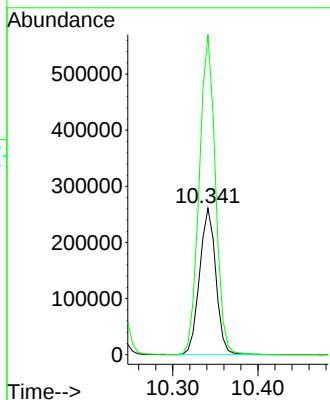
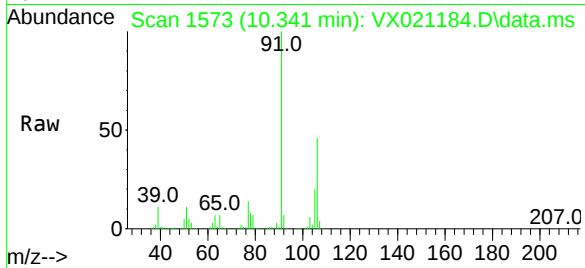




#67
m/p-Xylenes
Concen: 205.11 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

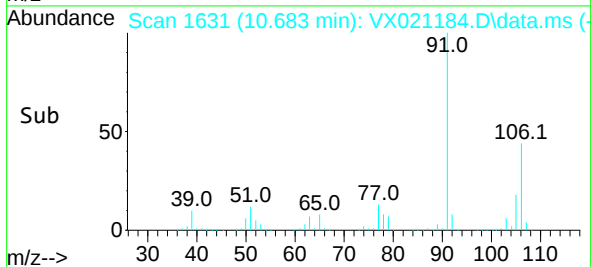
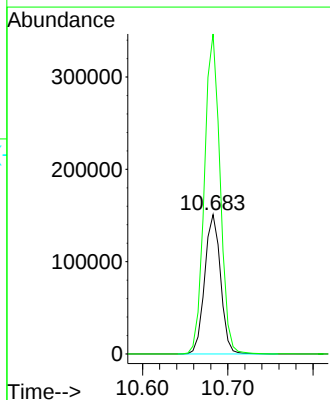
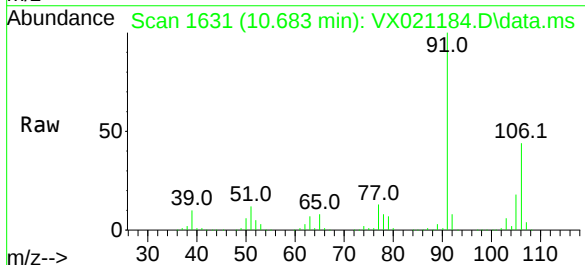
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

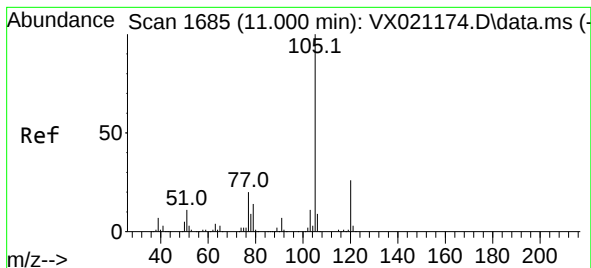
Tgt Ion:106 Resp: 346147
Ion Ratio Lower Upper
106 100
91 217.5 164.0 246.0



#68
o-Xylene
Concen: 119.72 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

Tgt Ion:106 Resp: 195600
Ion Ratio Lower Upper
106 100
91 227.0 106.5 319.6





#70

Isopropylbenzene

Concen: 0.45 ug/l

RT: 11.000 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX021184.D

Acq: 12 Mar 2021 16:33

Tgt Ion:105 Resp: 2012

Ion Ratio Lower Upper

105 100

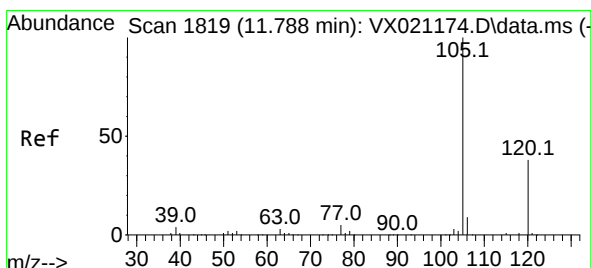
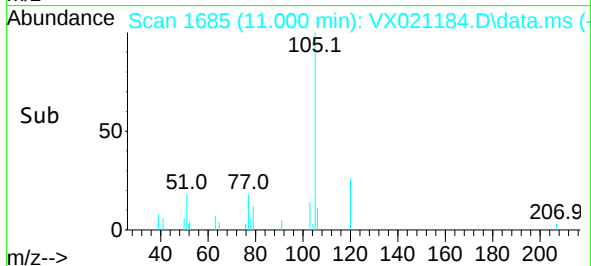
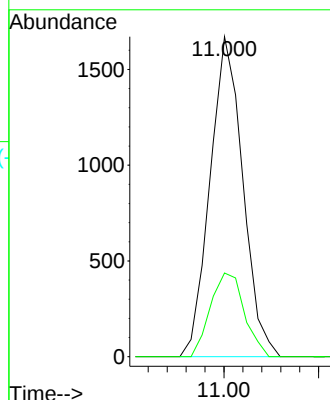
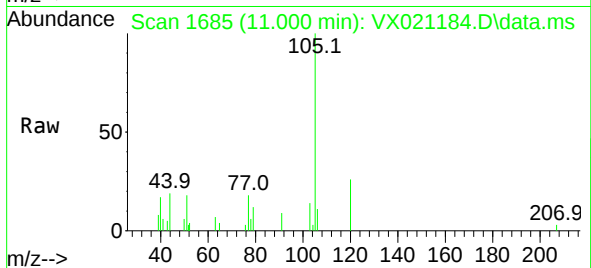
120 26.9 18.4 34.2

Instrument :

MSVOA_X

ClientSampleId :

D2470-D2800(WATER)



#80

1,2,4-Trimethylbenzene

Concen: 0.28 ug/l

RT: 11.794 min Scan# 1820

Delta R.T. 0.006 min

Lab File: VX021184.D

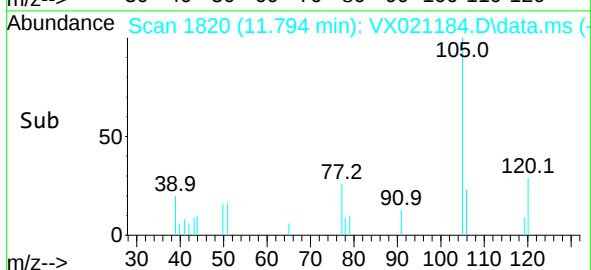
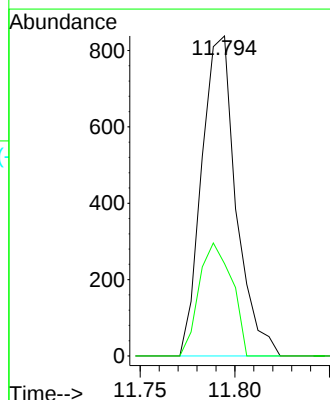
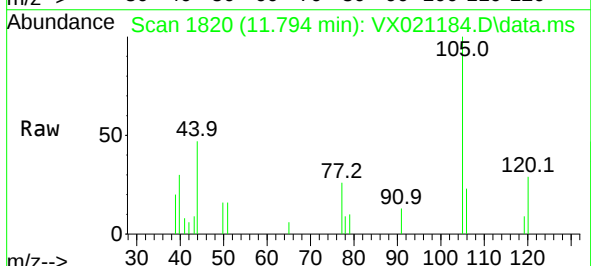
Acq: 12 Mar 2021 16:33

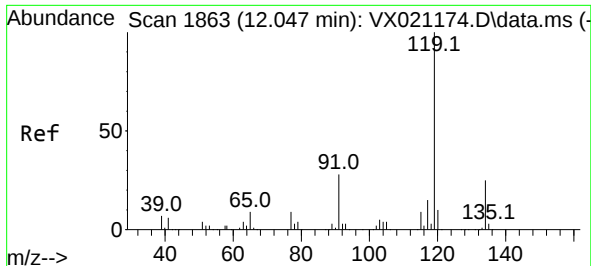
Tgt Ion:105 Resp: 1060

Ion Ratio Lower Upper

105 100

120 33.8 0.0 89.8

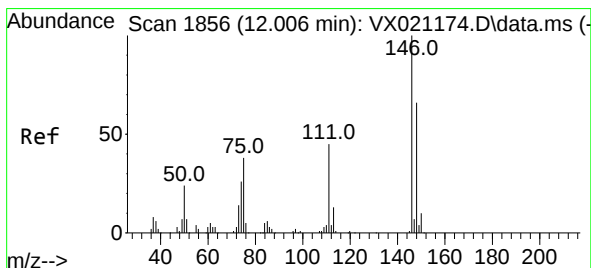
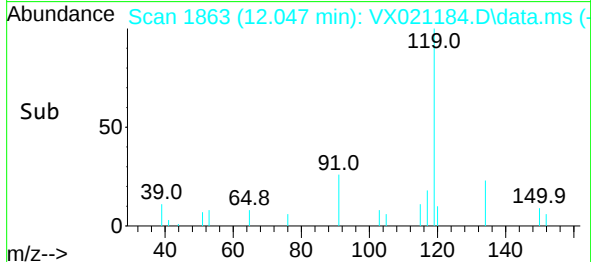
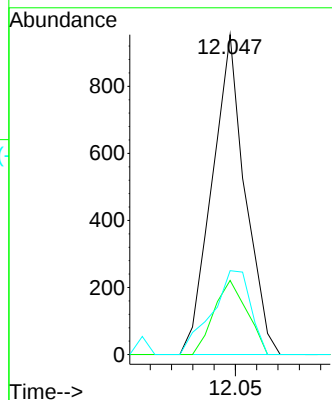
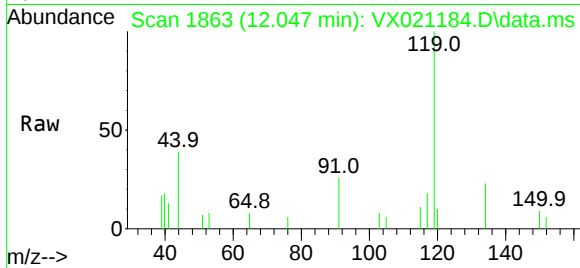




#82
p-Isopropyltoluene
Concen: 0.27 ug/l
RT: 12.047 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

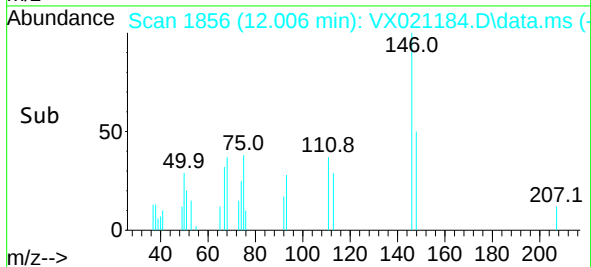
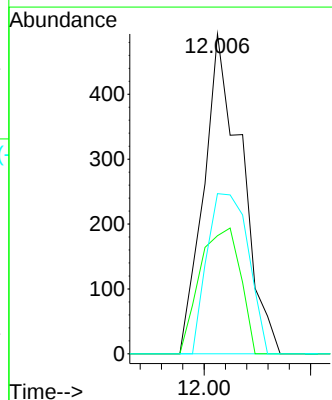
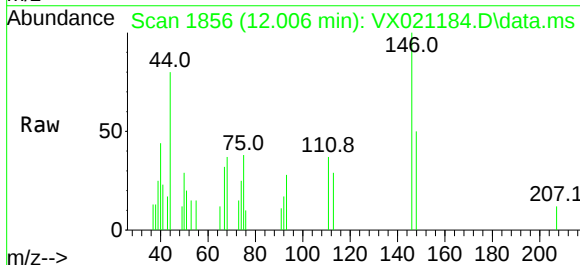
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

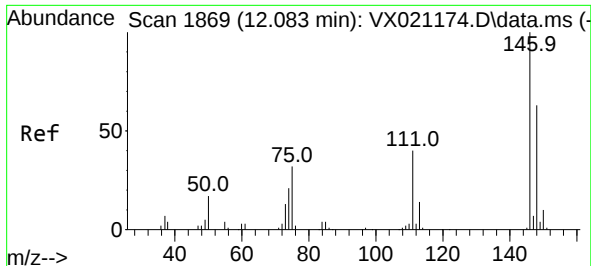
Tgt Ion:119	Resp:	1031
Ion	Ratio	Lower Upper
119	100	
134	23.1	0.0 52.8
91	30.6	0.0 47.4



#83
1,3-Dichlorobenzene
Concen: 0.32 ug/l
RT: 12.006 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

Tgt Ion:146	Resp:	606
Ion	Ratio	Lower Upper
146	100	
111	42.2	20.3 60.9
148	55.0	31.9 95.9

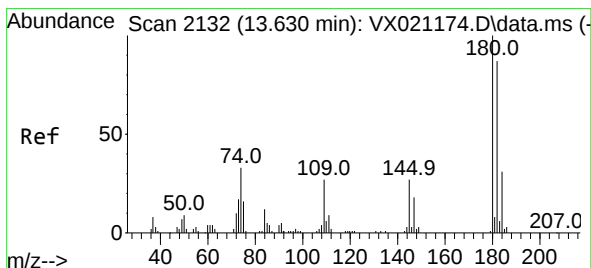
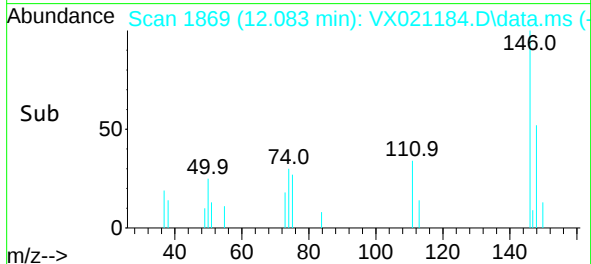
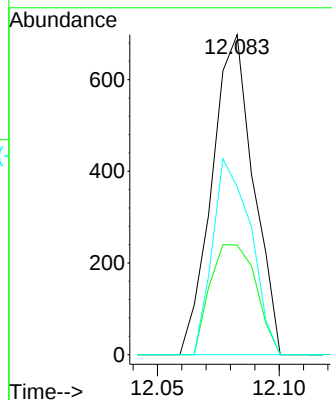
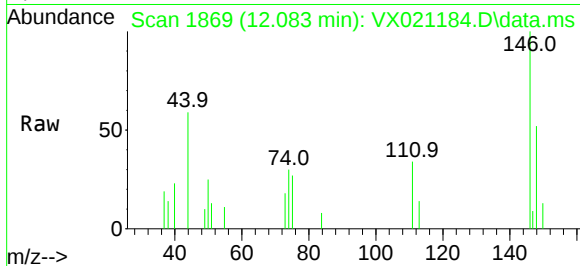




#84
1,4-Dichlorobenzene
Concen: 0.43 ug/l
RT: 12.083 min Scan# 1869
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

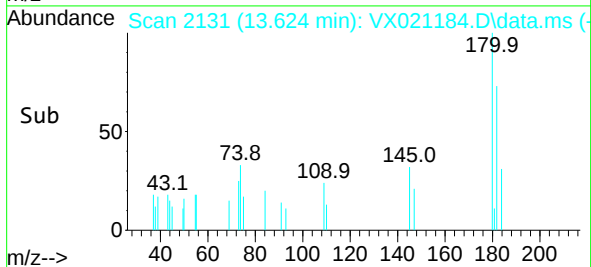
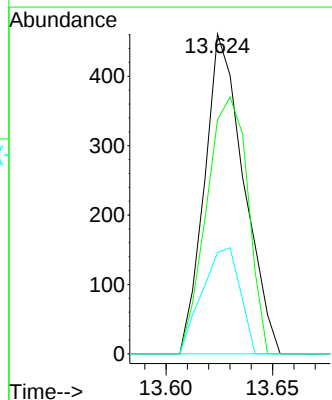
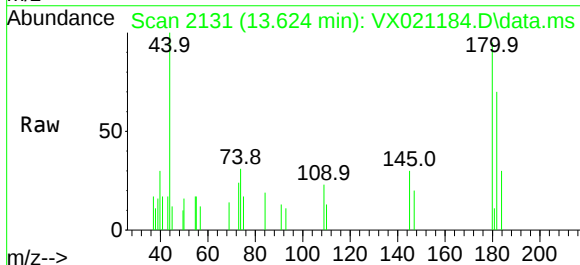
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

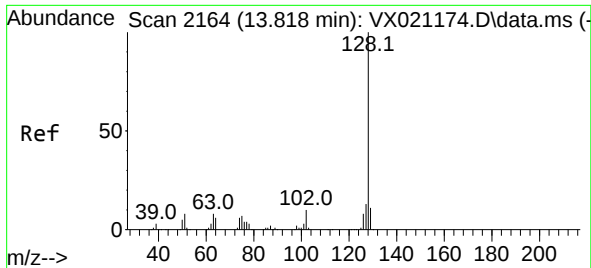
Tgt Ion:146 Resp: 827
Ion Ratio Lower Upper
146 100
111 37.8 19.1 57.3
148 56.2 31.9 95.5



#89
1,2,4-Trichlorobenzene
Concen: 0.50 ug/l
RT: 13.624 min Scan# 2131
Delta R.T. -0.006 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

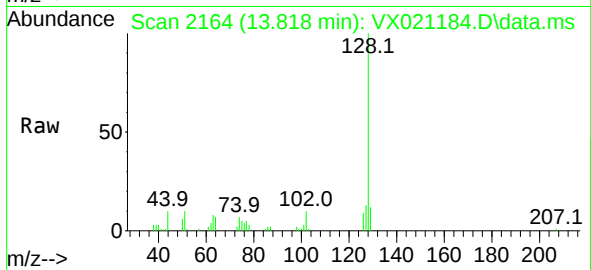
Tgt Ion:180 Resp: 590
Ion Ratio Lower Upper
180 100
182 84.4 77.9 116.9
145 31.9 24.3 36.5





#91
Naphthalene
Concen: 1.78 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021184.D
Acq: 12 Mar 2021 16:33

Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)



Tgt Ion:128 Resp: 6719
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.8 8.8 13.2

