

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012021\
 Data File : VX020681.D
 Acq On : 20 Jan 2021 14:59
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jan 20 16:57:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 14:09:08 2021
 Response via : Initial Calibration

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

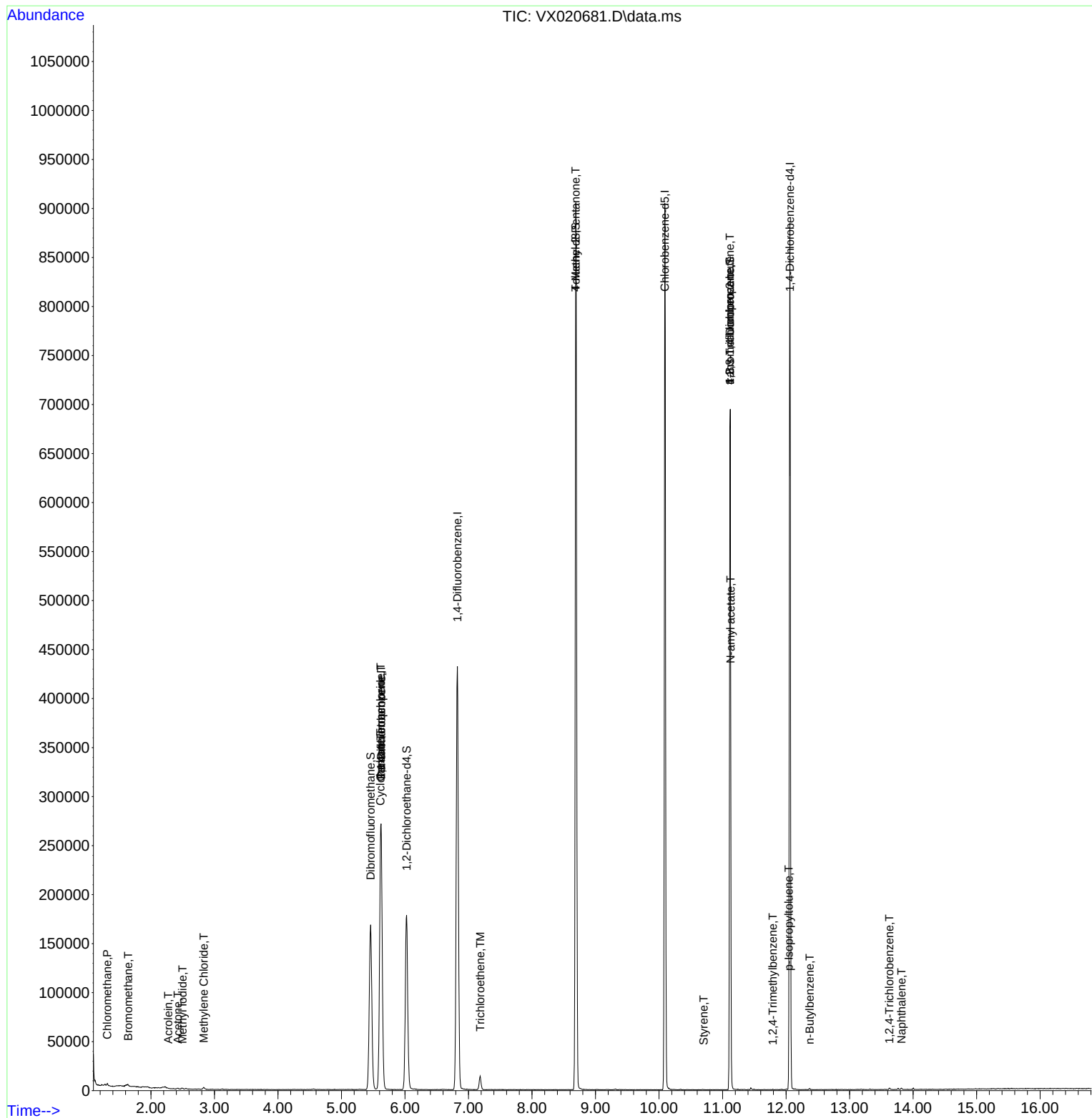
Internal Standards						
1) Pentafluorobenzene	5.623	168	263034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	446313	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	410464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	180494	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	171795	46.69	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.38%		
35) Dibromofluoromethane	5.458	113	146934	46.66	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.32%		
50) Toluene-d8	8.689	98	550532	49.93	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.86%		
62) 4-Bromofluorobenzene	11.116	95	195926	48.38	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.76%		
Target Compounds						Qvalue
3) Chloromethane	1.313	50	1309	0.36	ug/l	100
5) Bromomethane	1.642	94	571	0.33	ug/l	99
6) Chloroethane	1.709	64	18	Below Cal	#	43
10) Methyl Iodide	2.495	142	1147	0.29	ug/l #	91
13) Acrolein	2.270	56	78	30.49	ug/l #	47
16) Acetone	2.422	43	946	0.68	ug/l	89
20) Methylene Chloride	2.831	84	1023	0.30	ug/l #	91
31) Cyclohexane	5.611	56	4808	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	20231	4.50	ug/l #	48
38) Carbon Tetrachloride	5.617	117	26637	5.55	ug/l #	17
44) Trichloroethene	7.184	130	5709	1.59	ug/l	99
51) 4-Methyl-2-Pentanone	8.689	43	2054	0.51	ug/l #	1
70) Styrene	10.701	104	125	1.43	ug/l #	52
74) N-amyl acetate	11.128	43	104	1.96	ug/l #	1
76) 1,2,3-Trichloropropane	11.116	75	93808	21.66	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	93808	59.04	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.793	105	271	0.42	ug/l	74
86) p-Isopropyltoluene	12.042	119	366	0.91	ug/l #	1
89) n-Butylbenzene	12.372	91	444	1.47	ug/l	87
93) 1,2,4-Trichlorobenzene	13.628	180	398	2.33	ug/l #	84
95) Naphthalene	13.817	128	1080	2.02	ug/l	99

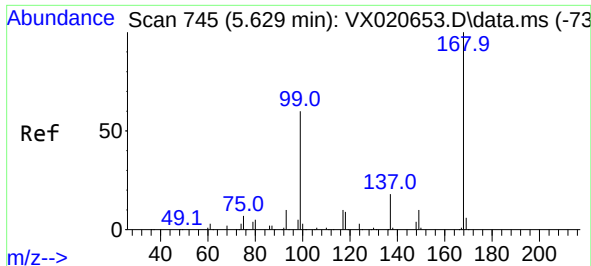
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

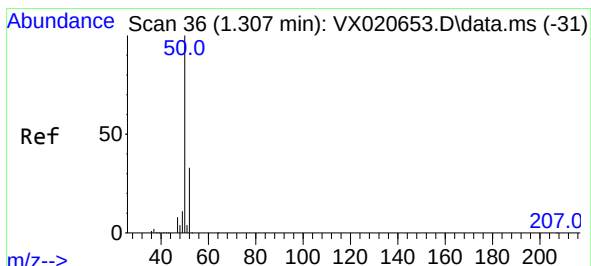
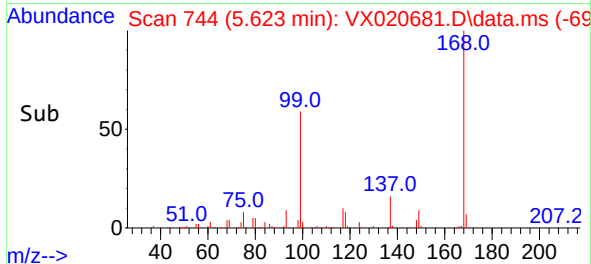
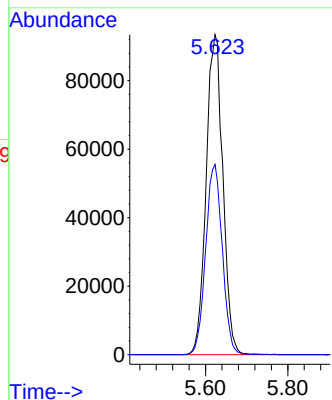
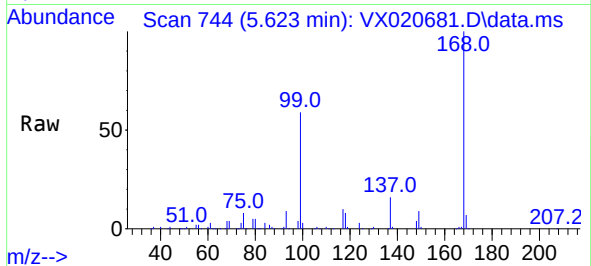




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.006 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

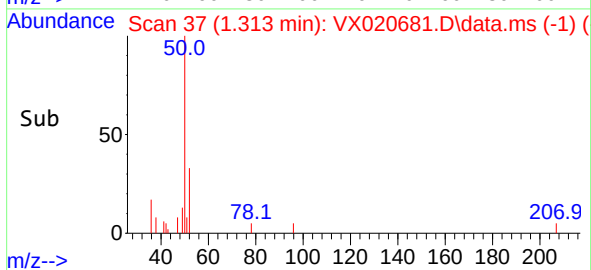
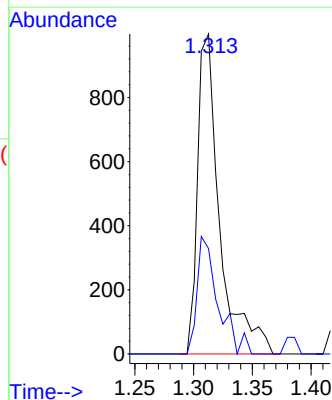
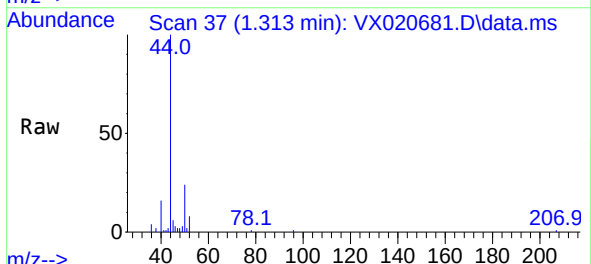
Instrument :
MSVOA_X
ClientSampleId :
IBLK

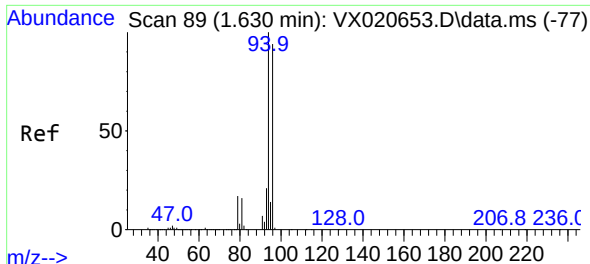
Tgt Ion:168 Resp: 263034
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#3
Chloromethane
Concen: 0.36 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Tgt Ion: 50 Resp: 1309
Ion Ratio Lower Upper
50 100
52 33.0 26.4 39.6

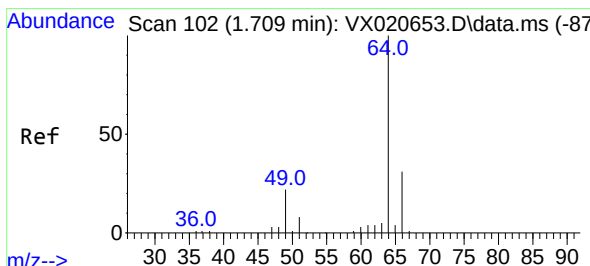
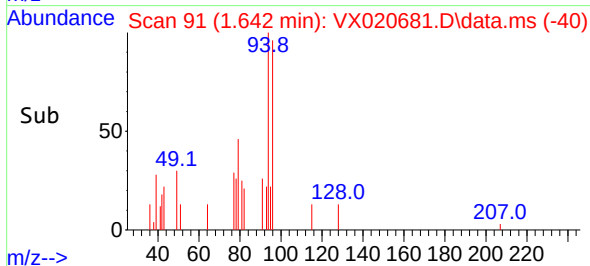
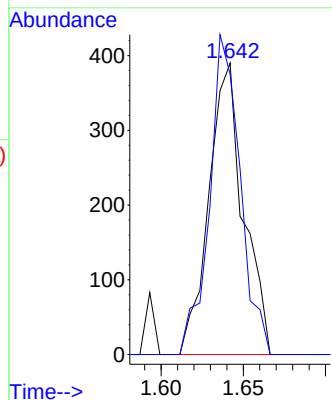
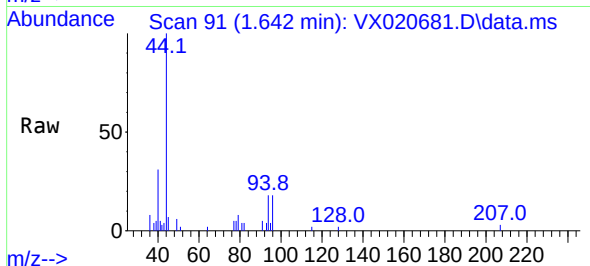




#5
Bromomethane
Concen: 0.33 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

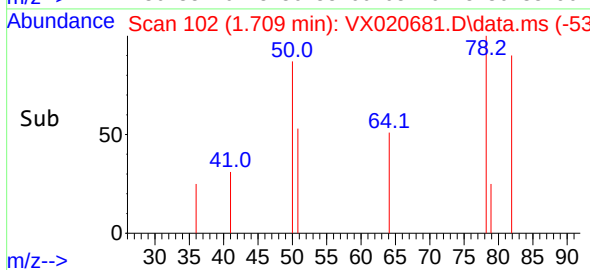
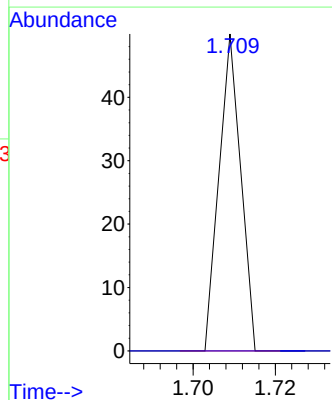
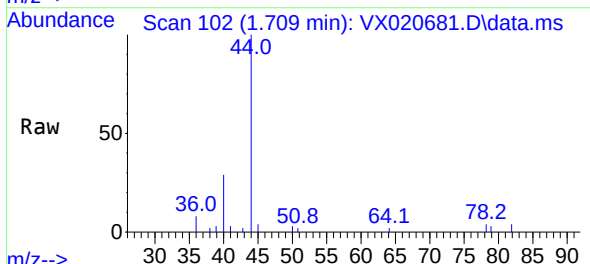
Instrument :
MSVOA_X
ClientSampled :
IBLK

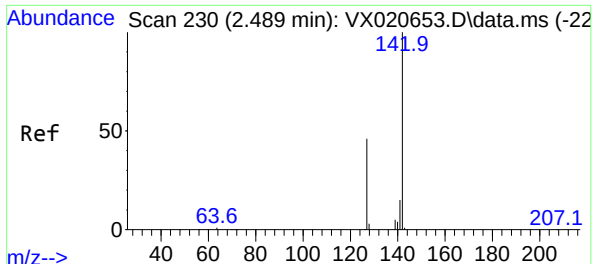
Tgt Ion: 94 Resp: 571
Ion Ratio Lower Upper
94 100
96 96.2 76.4 114.6



#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. -0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

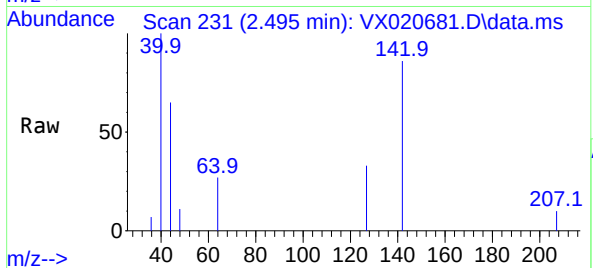
Tgt Ion: 64 Resp: 18
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



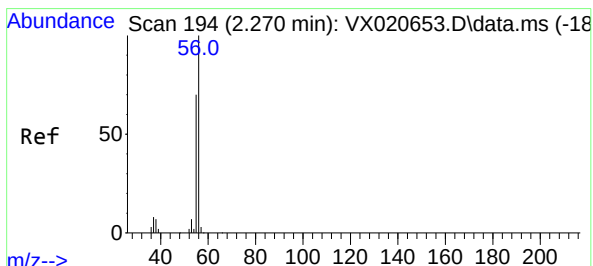
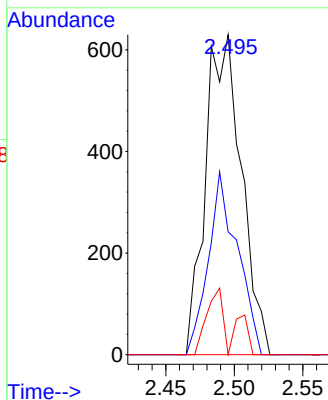
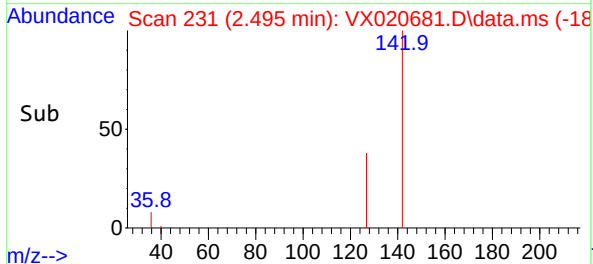


#10
Methyl Iodide
Concen: 0.29 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

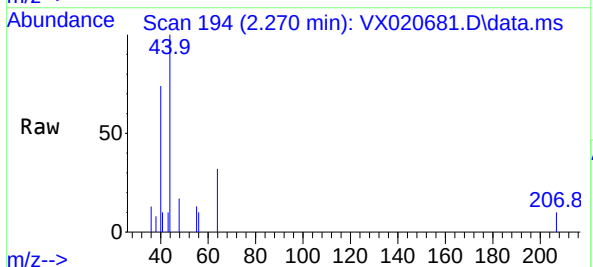
Instrument :
MSVOA_X
ClientSampleId :
IBLK



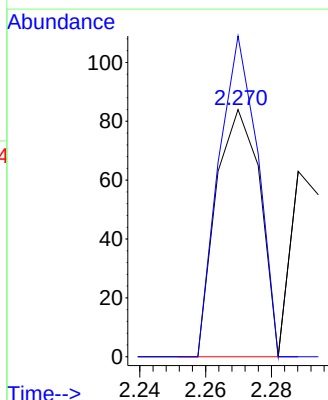
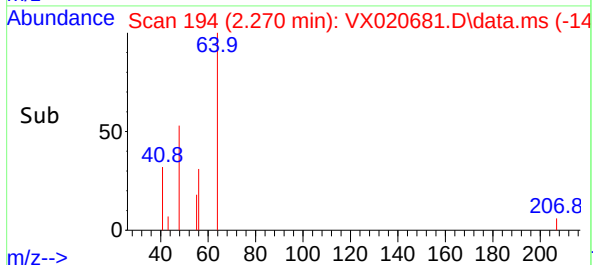
Tgt Ion:142 Resp: 1147
Ion Ratio Lower Upper
142 100
127 46.3 33.3 49.9
141 9.3 11.4 17.0#

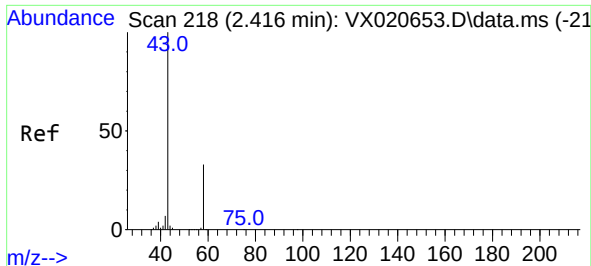


#13
Acrolein
Concen: 30.49 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59



Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 114.1 56.4 84.6#

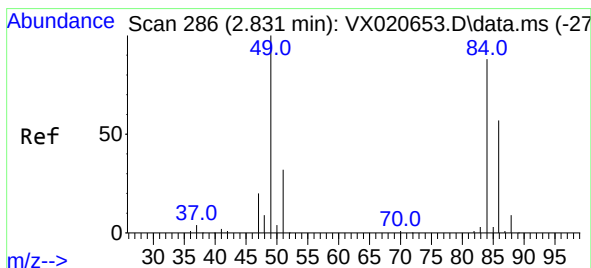
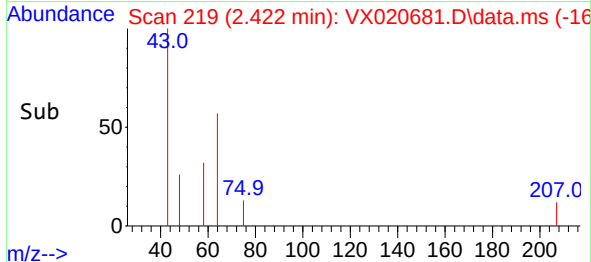
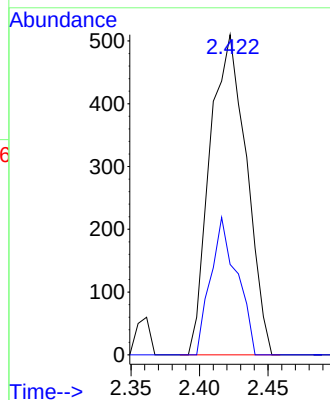
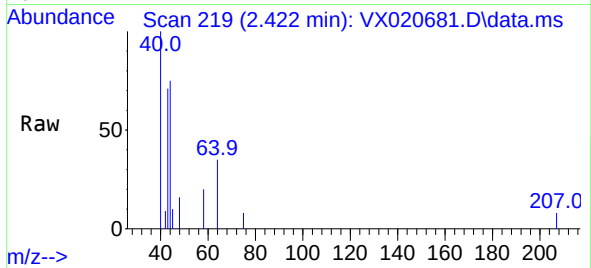




#16
Acetone
Concen: 0.68 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

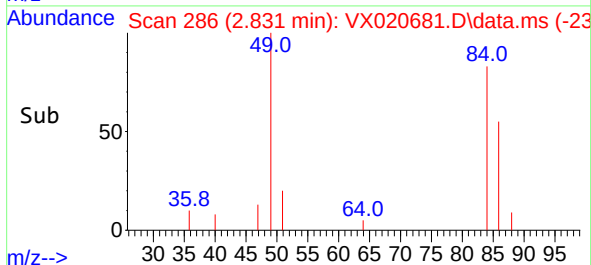
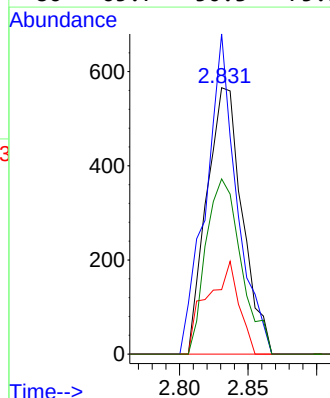
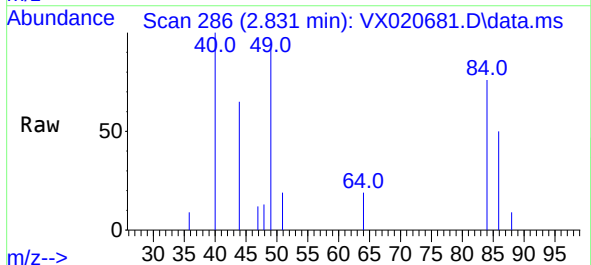
Instrument :
MSVOA_X
ClientSampled :
IBLK

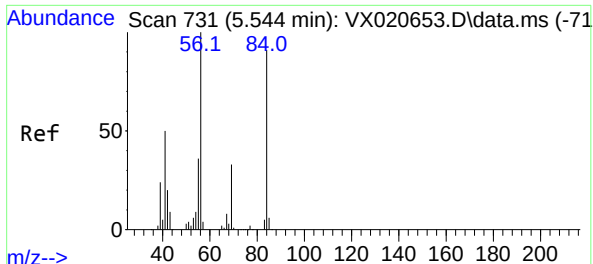
Tgt Ion: 43 Resp: 946
Ion Ratio Lower Upper
43 100
58 28.2 27.8 41.8



#20
Methylene Chloride
Concen: 0.30 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

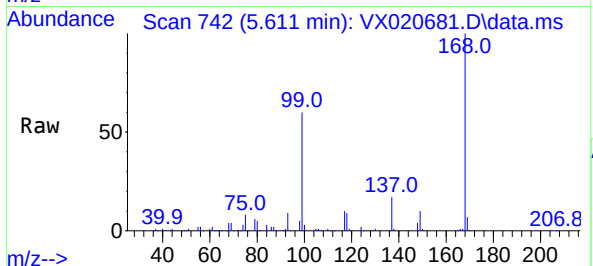
Tgt Ion: 84 Resp: 1023
Ion Ratio Lower Upper
84 100
49 120.1 88.6 132.8
51 24.2 27.0 40.6#
86 65.7 50.3 75.5



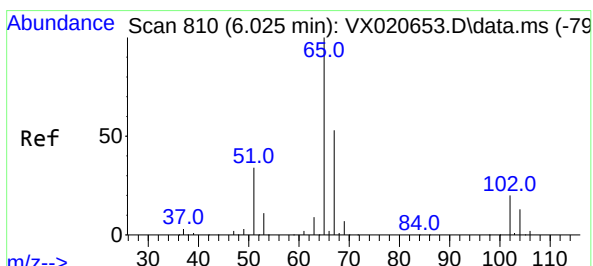
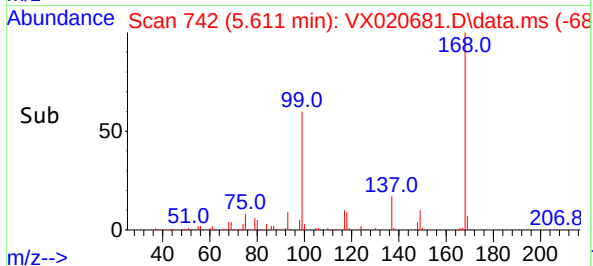
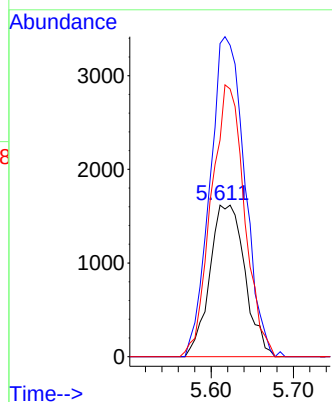


#31
Cyclohexane
Concen: 1.04 ug/l
RT: 5.611 min Scan# 742
Delta R.T. 0.067 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Instrument :
MSVOA_X
ClientSampleId :
IBLK

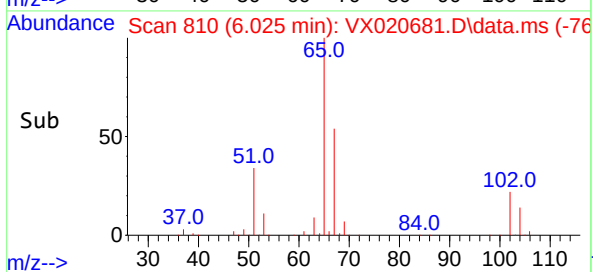
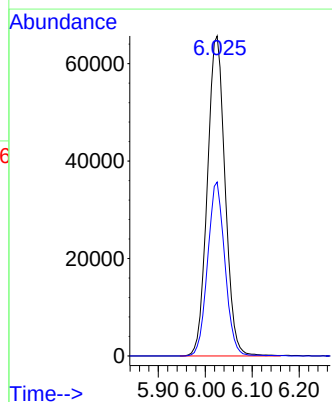
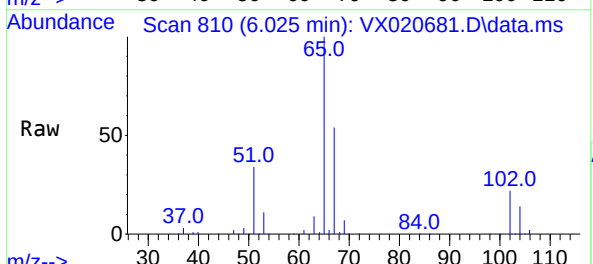


Tgt Ion: 56 Resp: 4808
Ion Ratio Lower Upper
56 100
69 206.7 25.3 37.9#
84 143.0 71.4 107.0#

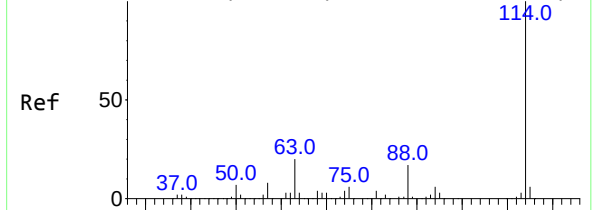


#33
1,2-Dichloroethane-d4
Concen: 46.69 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Tgt Ion: 65 Resp: 171795
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4

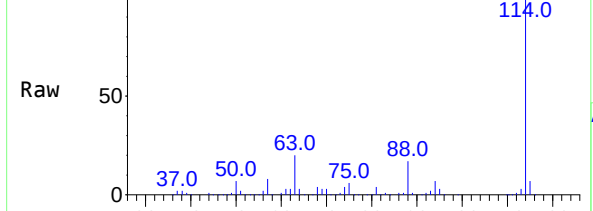


Abundance Scan 942 (6.830 min): VX020653.D\data.ms (-93



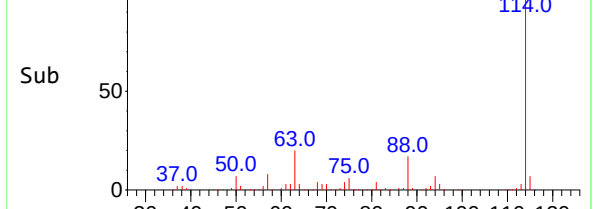
m/z-->

Abundance Scan 941 (6.824 min): VX020681.D\data.ms



m/z-->

Abundance Scan 941 (6.824 min): VX020681.D\data.ms (-89



m/z-->

#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.824 min Scan# 941

Delta R.T. -0.006 min

Lab File: VX020681.D

Acq: 20 Jan 2021 14:59

Tgt Ion:114 Resp: 446313

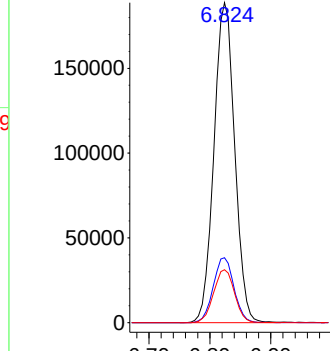
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

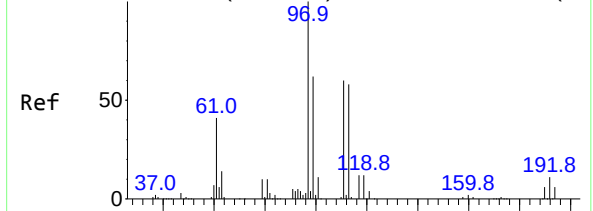
88 16.6 0.0 32.8

Abundance



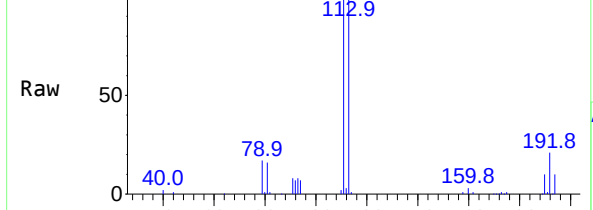
Time-->

Abundance Scan 718 (5.465 min): VX020653.D\data.ms (-70



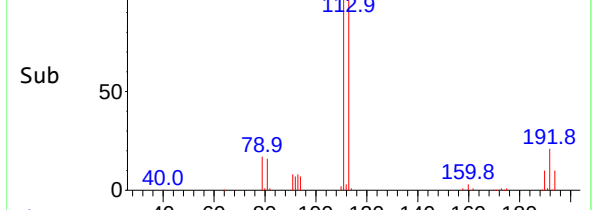
m/z-->

Abundance Scan 717 (5.458 min): VX020681.D\data.ms



m/z-->

Abundance Scan 717 (5.458 min): VX020681.D\data.ms (-66



m/z-->

#35

Dibromofluoromethane

Concen: 46.66 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.007 min

Lab File: VX020681.D

Acq: 20 Jan 2021 14:59

Tgt Ion:113 Resp: 146934

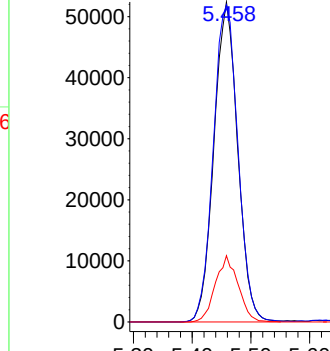
Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

192 19.8 16.7 25.1

Abundance



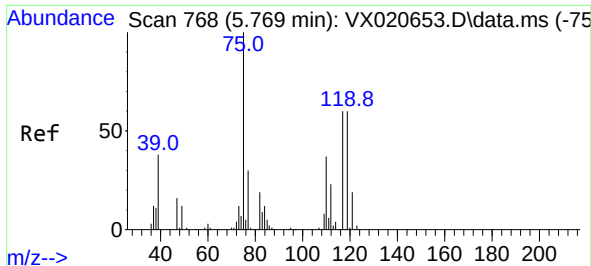
Time-->

Instrument :

MSVOA_X

ClientSampleId :

IBLK

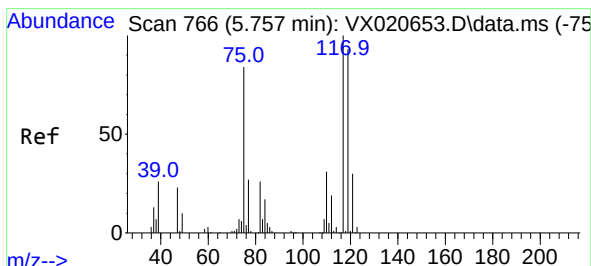
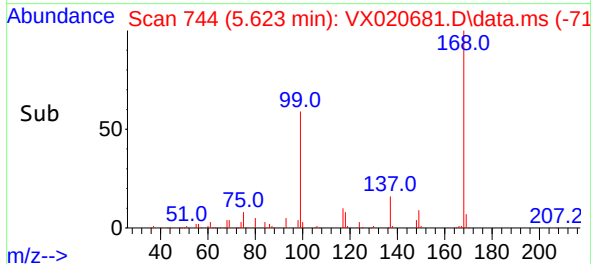
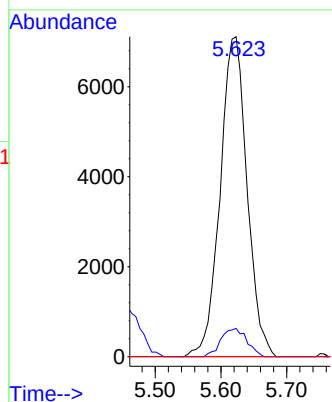
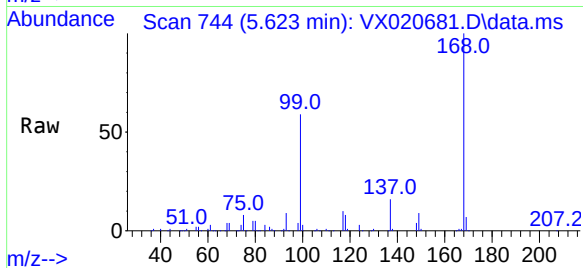


#36

1,1-Dichloropropene
Concen: 4.50 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Instrument :
MSVOA_X
ClientSampled :
IBLK

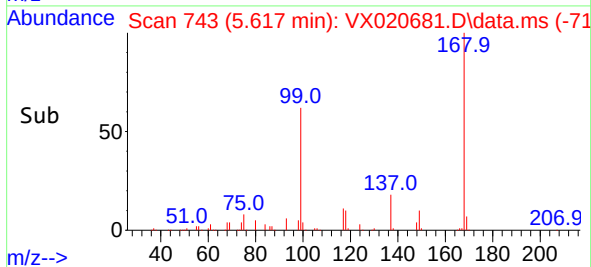
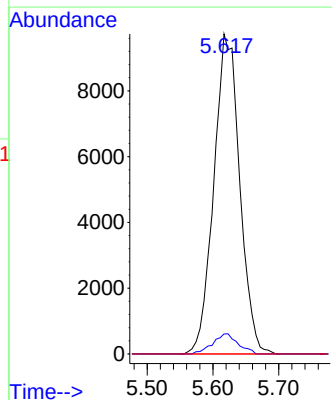
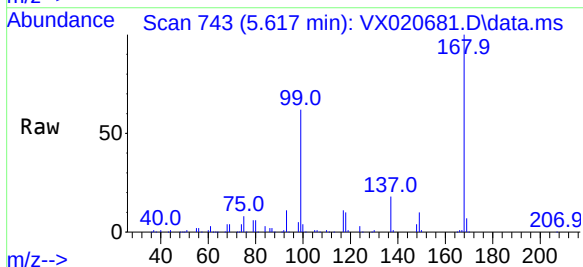
Tgt Ion:	75	Resp:	20231
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.4#
77	0.0	25.3	37.9#

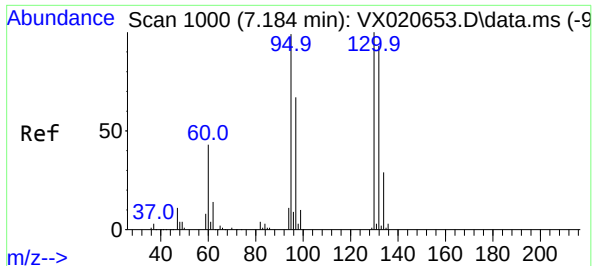


#38

Carbon Tetrachloride
Concen: 5.55 ug/l
RT: 5.617 min Scan# 743
Delta R.T. -0.140 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Tgt Ion:	117	Resp:	26637
Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.2	114.2#
121	0.0	24.8	37.2#

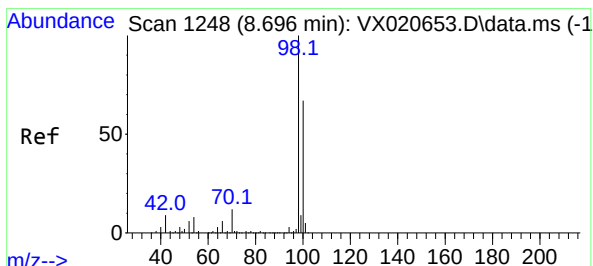
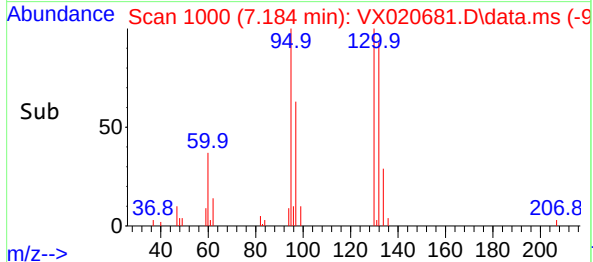
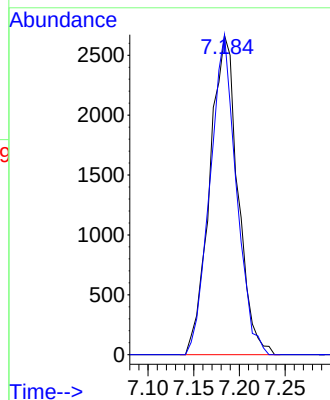
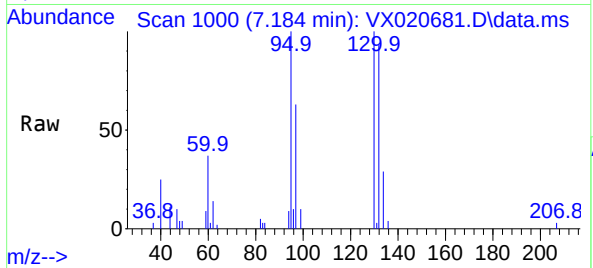




#44
Trichloroethene
Concen: 1.59 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

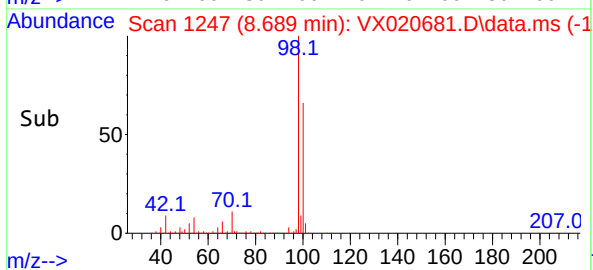
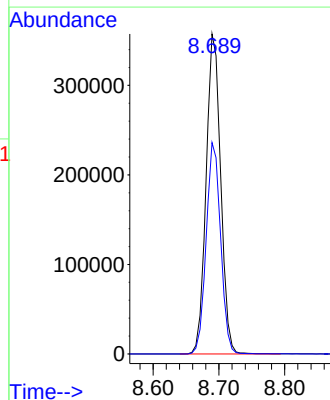
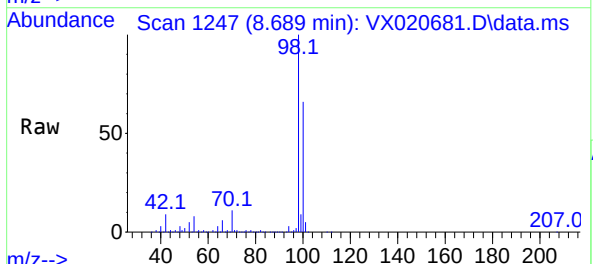
Instrument :
MSVOA_X
ClientSampled :
IBLK

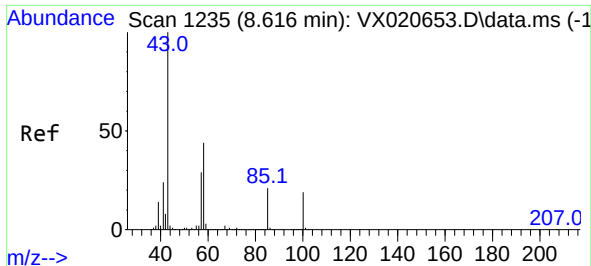
Tgt Ion:130 Resp: 5709
Ion Ratio Lower Upper
130 100
95 100.3 0.0 198.0



#50
Toluene-d8
Concen: 49.93 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. -0.007 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Tgt Ion: 98 Resp: 550532
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

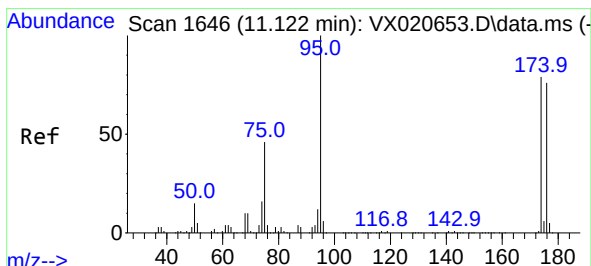
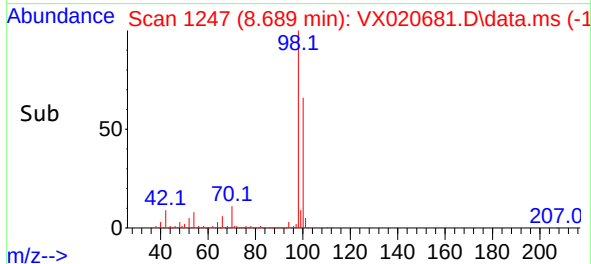
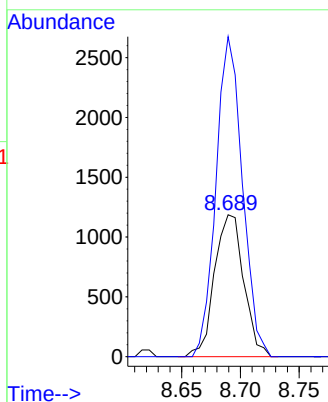
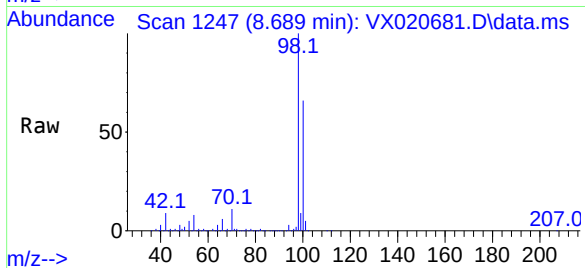




#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.073 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

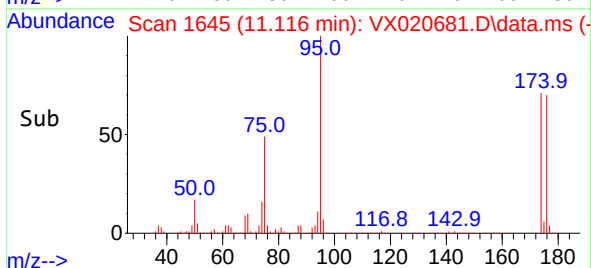
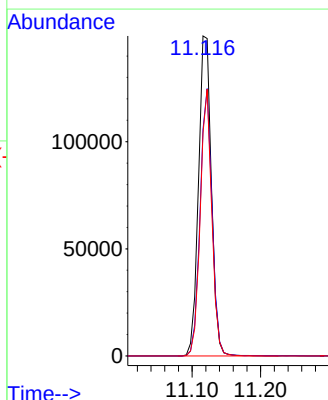
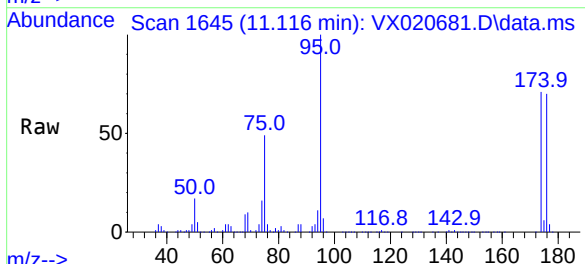
Instrument :
MSVOA_X
ClientSampled :
IBLK

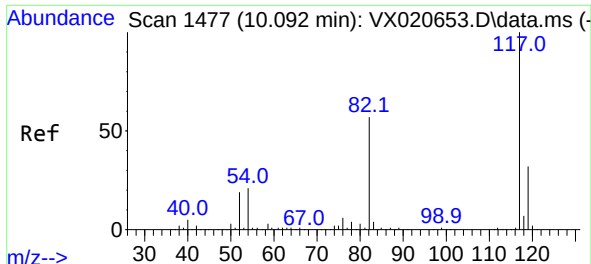
Tgt Ion: 43 Resp: 2054
Ion Ratio Lower Upper
43 100
58 203.8 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 48.38 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.006 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Tgt Ion: 95 Resp: 195926
Ion Ratio Lower Upper
95 100
174 77.6 0.0 154.6
176 74.7 0.0 155.8

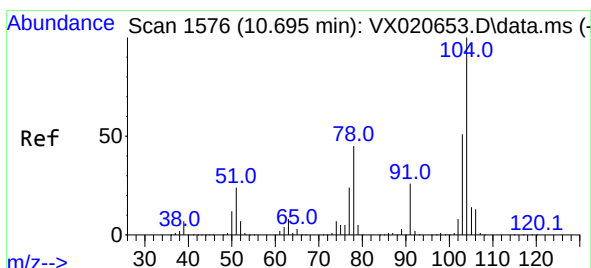
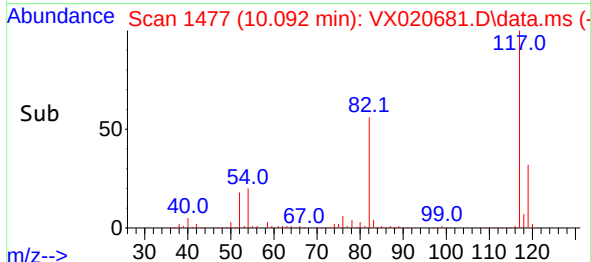
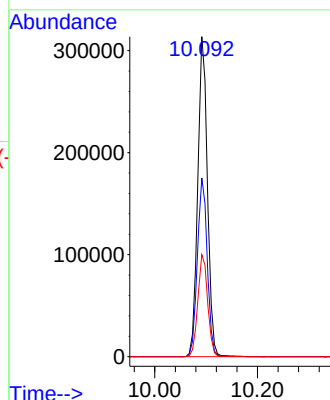
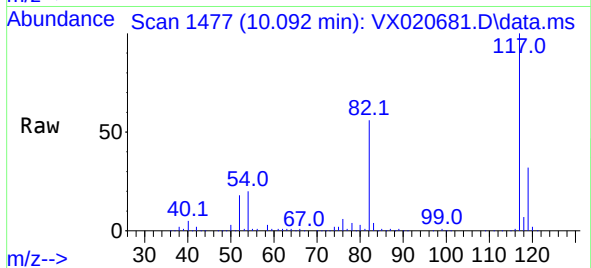




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

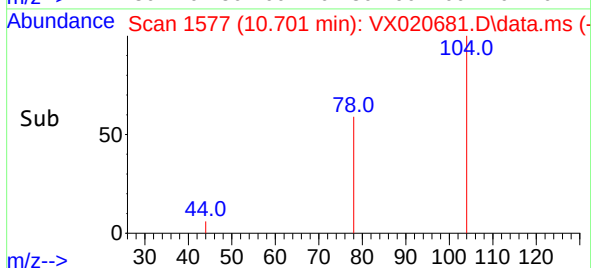
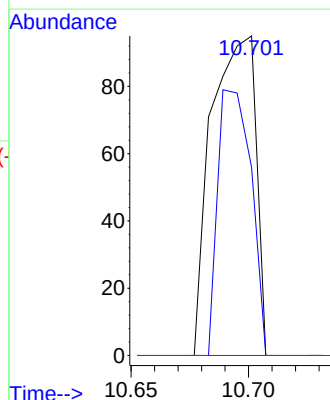
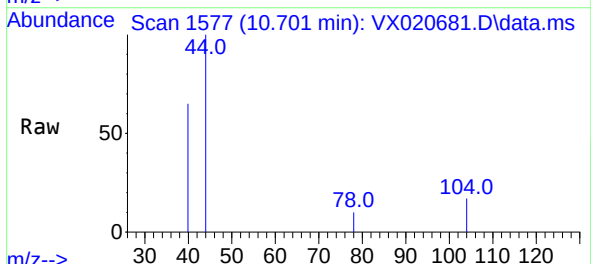
Instrument :
MSVOA_X
ClientSampleId :
IBLK

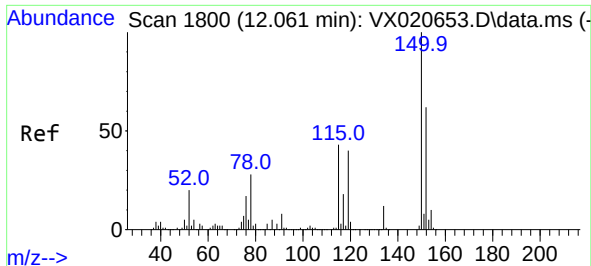
Tgt Ion:117 Resp: 410464
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 31.9 26.6 39.8



#70
Styrene
Concen: 1.43 ug/l
RT: 10.701 min Scan# 1577
Delta R.T. 0.006 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Tgt Ion:104 Resp: 125
Ion Ratio Lower Upper
104 100
78 62.4 40.0 60.0#
103 0.0 43.4 65.0#

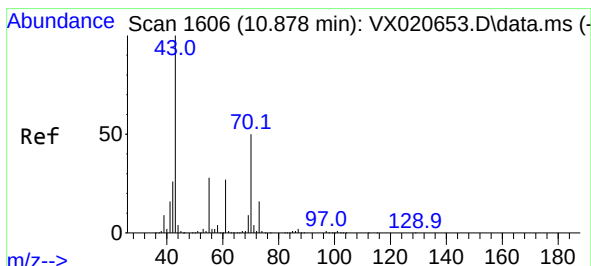
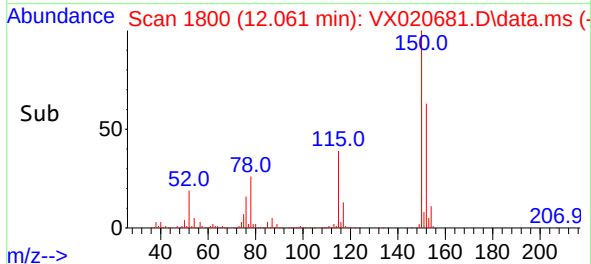
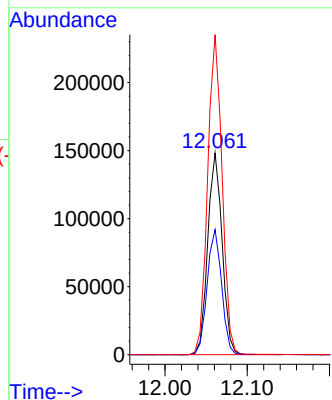
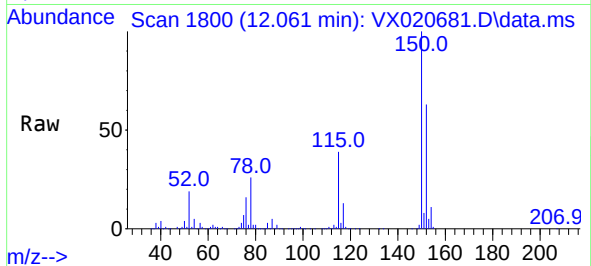




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

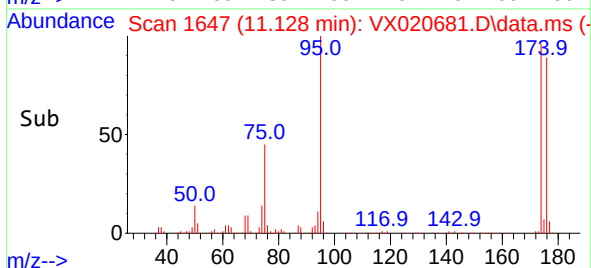
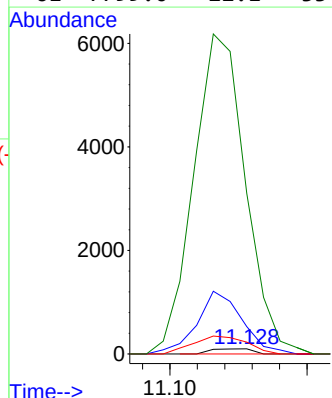
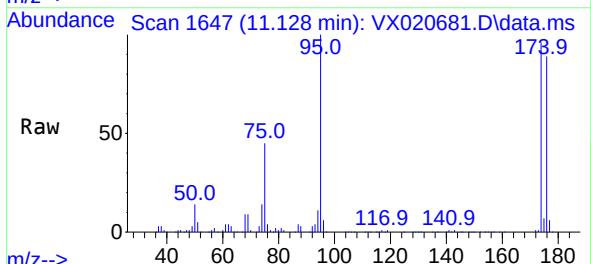
Instrument :
MSVOA_X
ClientSampled :
IBLK

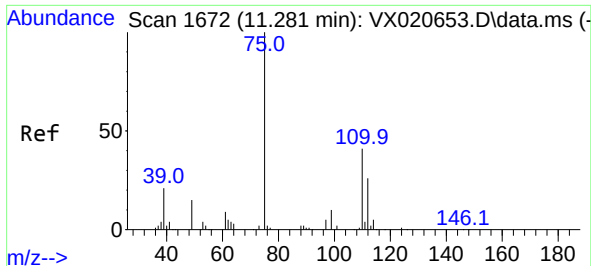
Tgt Ion:152 Resp: 180494
Ion Ratio Lower Upper
152 100
115 62.4 41.1 123.3
150 159.2 0.0 349.0



#74
N-ethyl acetate
Concen: 1.96 ug/l
RT: 11.128 min Scan# 1647
Delta R.T. 0.250 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Tgt Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
70 1341.3 39.0 58.6#
55 457.7 21.5 32.3#
61 7799.0 22.1 33.1#

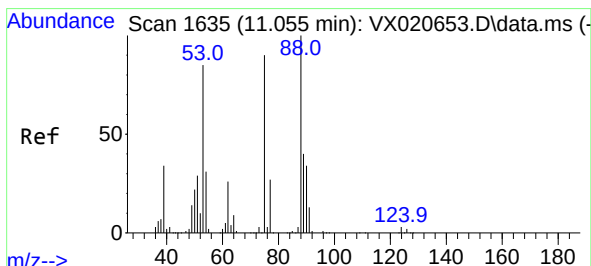
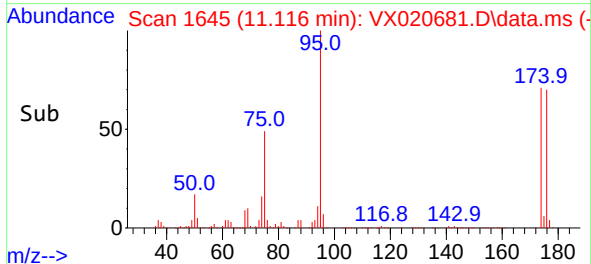
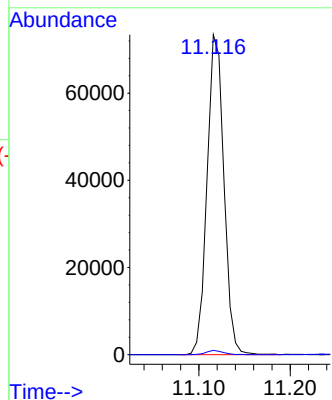
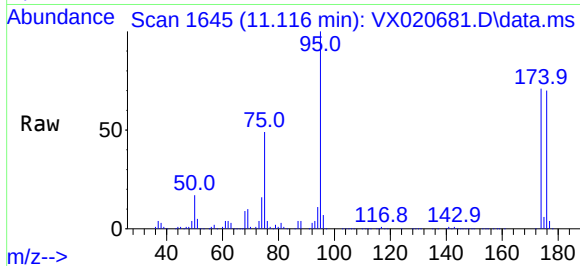




#76
1,2,3-Trichloropropane
Concen: 21.66 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.165 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

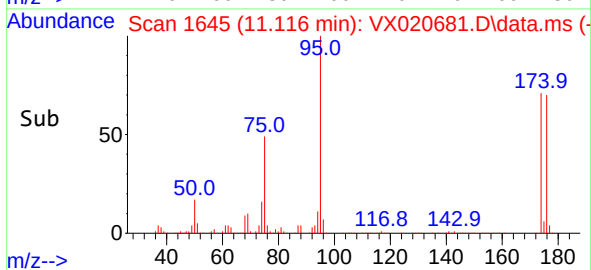
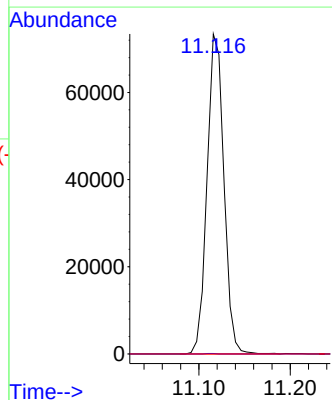
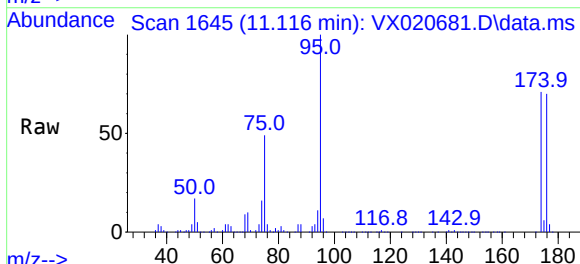
Instrument :
MSVOA_X
ClientSampled :
IBLK

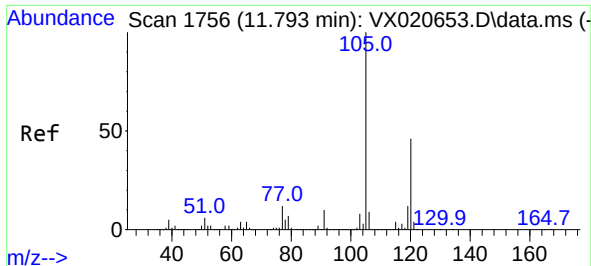
Tgt Ion: 75 Resp: 93808
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.04 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Tgt Ion: 75 Resp: 93808
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

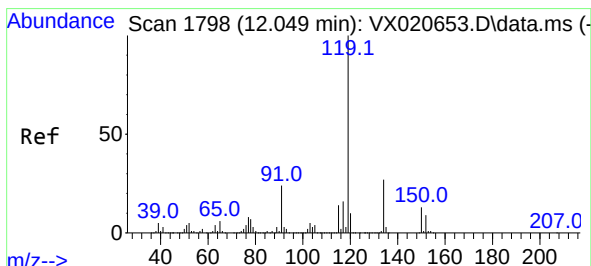
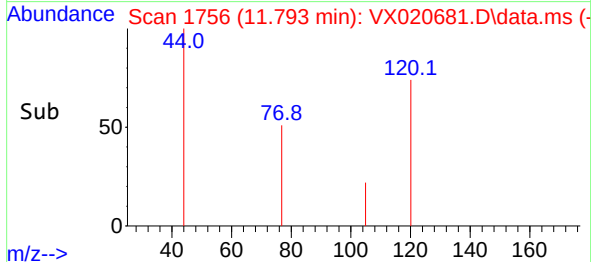
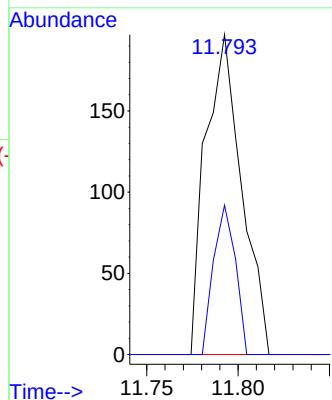
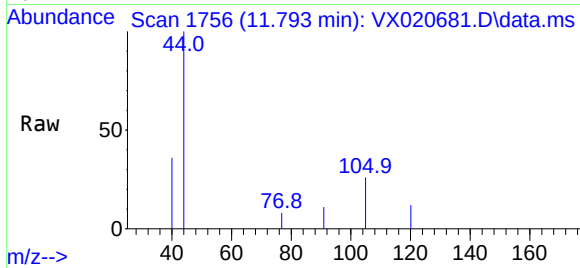




#84
1,2,4-Trimethylbenzene
Concen: 0.42 ug/l
RT: 11.793 min Scan# 1756
Delta R.T. -0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

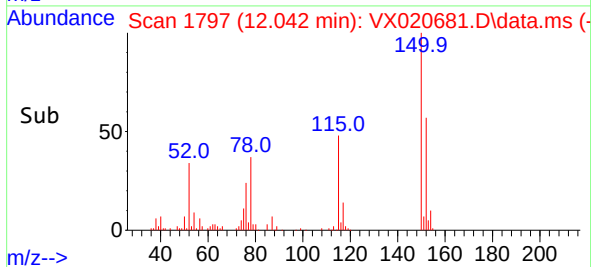
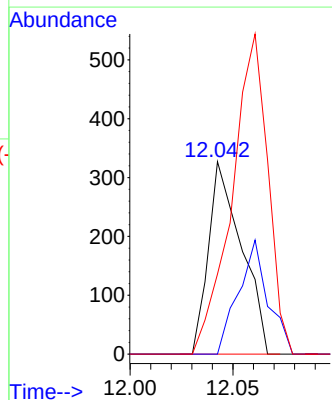
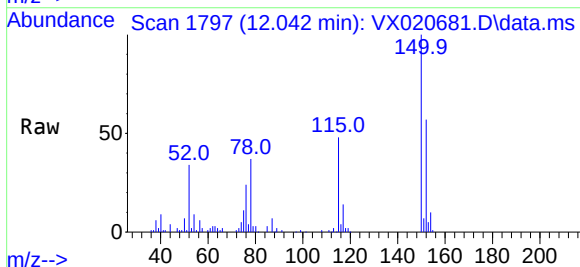
Instrument :
MSVOA_X
ClientSampled :
IBLK

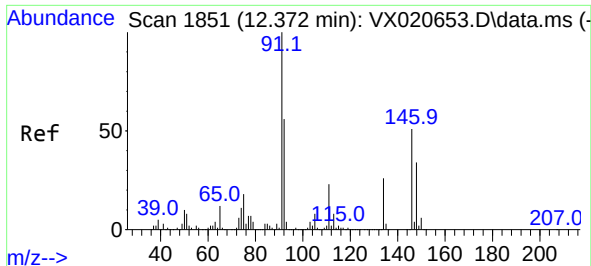
Tgt Ion:105 Resp: 271
Ion Ratio Lower Upper
105 100
120 28.0 22.4 67.3



#86
p-Isopropyltoluene
Concen: 0.91 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.007 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Tgt Ion:119 Resp: 366
Ion Ratio Lower Upper
119 100
134 53.0 12.9 38.7#
91 180.3 11.7 35.0#

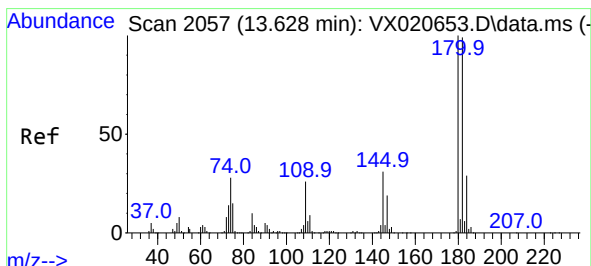
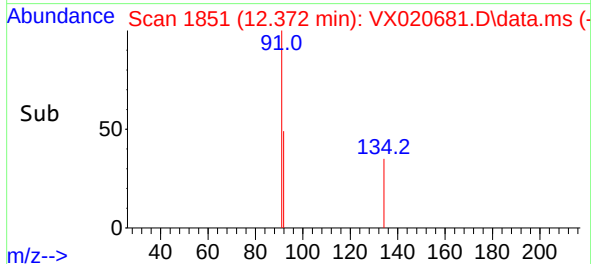
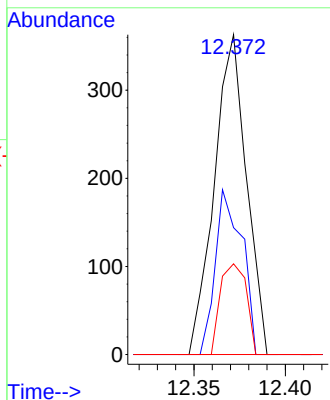
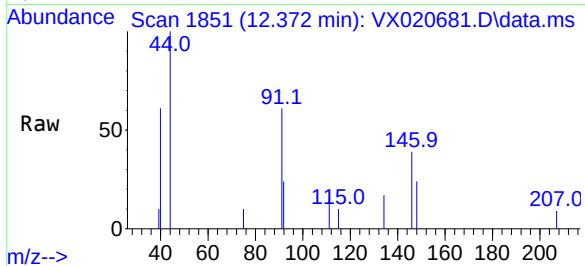




#89
n-Butylbenzene
Concen: 1.47 ug/l
RT: 12.372 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

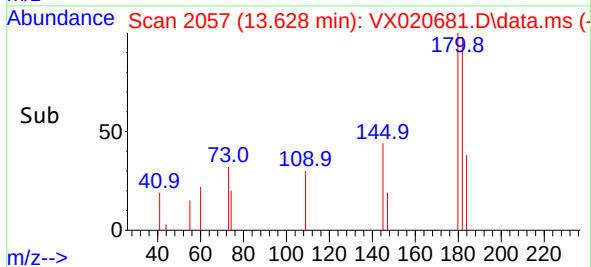
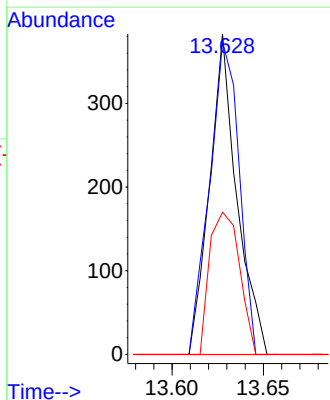
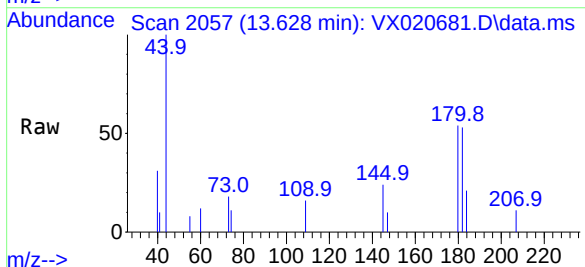
Instrument :
MSVOA_X
ClientSampled :
IBLK

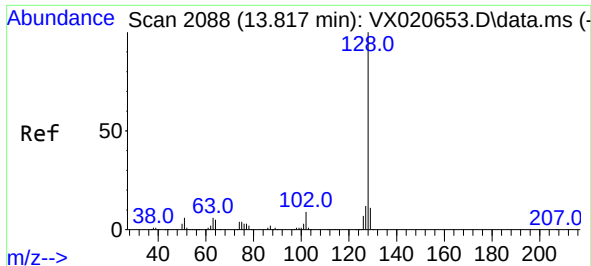
Tgt Ion:	91	Resp:	444
Ion	Ratio	Lower	Upper
91	100		
92	42.8	27.4	82.0
134	23.0	13.2	39.5



#93
1,2,4-Trichlorobenzene
Concen: 2.33 ug/l
RT: 13.628 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

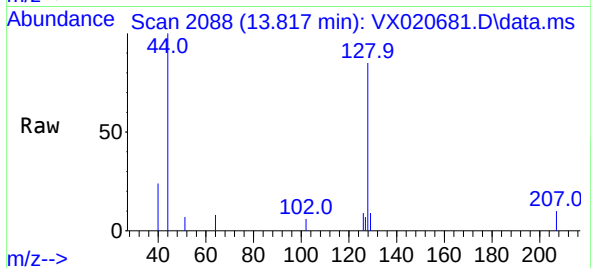
Tgt Ion:	180	Resp:	398
Ion	Ratio	Lower	Upper
180	100		
182	105.8	47.7	143.1
145	48.7	15.0	45.0





#95
Naphthalene
Concen: 2.02 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020681.D
Acq: 20 Jan 2021 14:59

Instrument :
MSVOA_X
ClientSampled :
IBLK



Tgt Ion:128 Resp: 1080

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.8	13.2

