

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030421\
 Data File : VX020976.D
 Acq On : 02 Mar 2021 19:51
 Operator : JC/MD
 Sample : M1545-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20A

Quant Time: Mar 03 01:18:28 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	5.629	168	193362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	353786	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	351337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	168551	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	125361	48.00	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.00%
35) Dibromofluoromethane	5.458	113	109431	50.91	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.82%
50) Toluene-d8	8.694	98	440911	52.61	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.22%
62) 4-Bromofluorobenzene	11.118	95	170268	54.94	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.88%

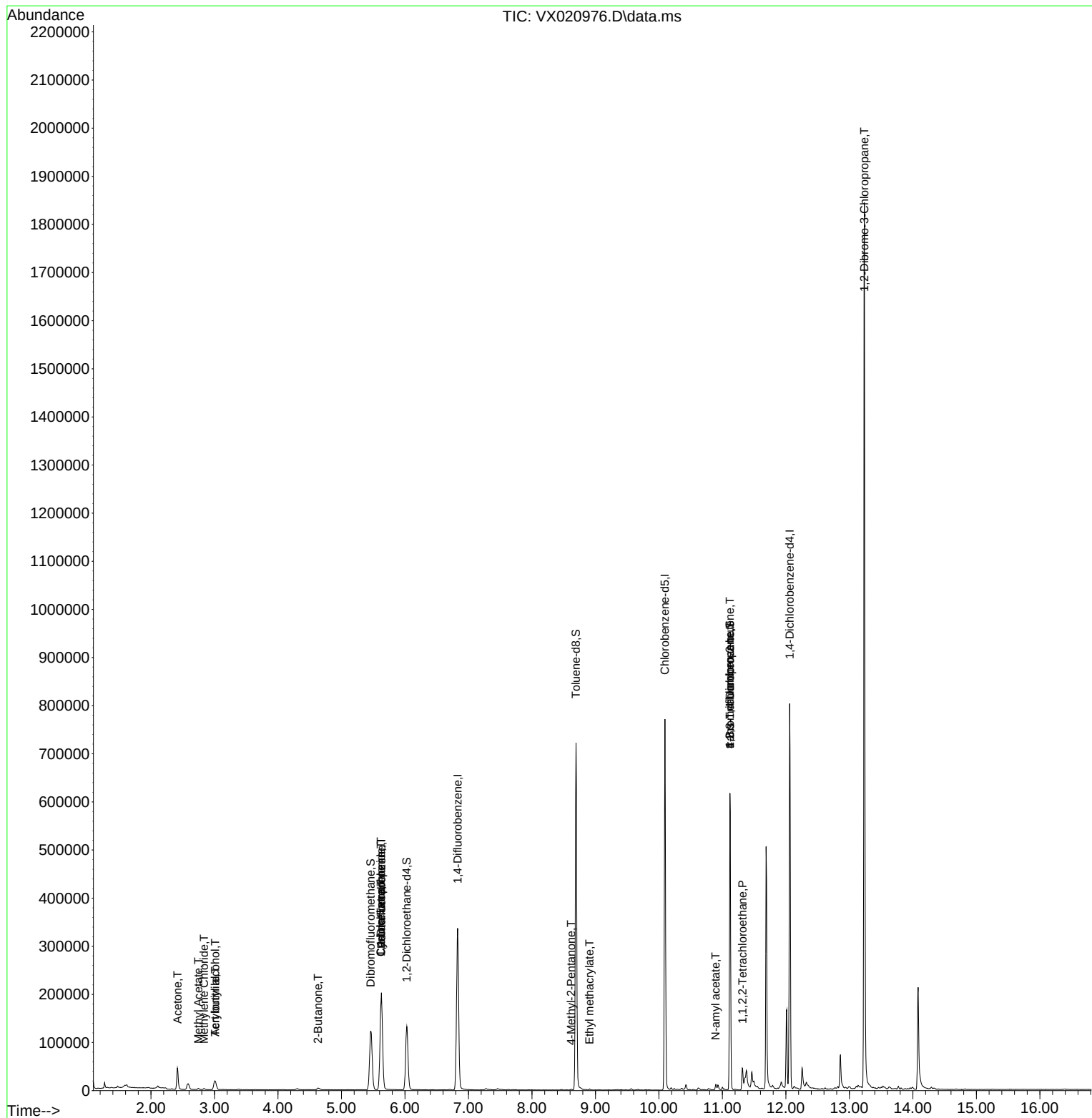
Target Compounds						Qvalue
5) Bromomethane	1.628	94	437	Below Cal	#	59
11) Tert butyl alcohol	3.011	59	27426	47.15	ug/l	98
15) Acrylonitrile	3.011	53	311	0.25	ug/l #	3
16) Acetone	2.417	43	46707	43.40	ug/l	98
18) Methyl Acetate	2.746	43	3011	1.18	ug/l	99
20) Methylene Chloride	2.834	84	1028	0.40	ug/l #	90
25) 2-Butanone	4.629	43	5379	3.29	ug/l	91
31) Cyclohexane	5.623	56	3629	0.96	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	14565	4.33	ug/l #	48
38) Carbon Tetrachloride	5.623	117	18476	5.67	ug/l #	17
51) 4-Methyl-2-Pentanone	8.617	43	1145	0.36	ug/l	87
56) Ethyl methacrylate	8.906	69	1242	0.31	ug/l #	91
74) N-amyl acetate	10.894	43	3265	0.61	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	11.318	83	1254	0.29	ug/l #	1
76) 1,2,3-Trichloropropane	11.118	75	82261	22.69	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	82261	50.23	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	13.236	75	2700	2.75	ug/l #	1

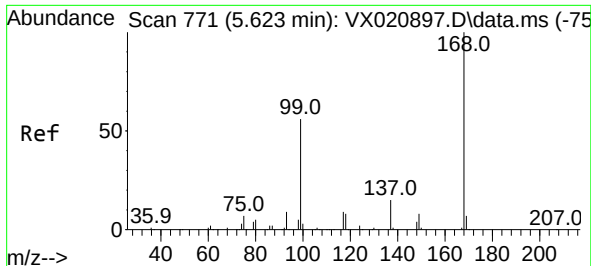
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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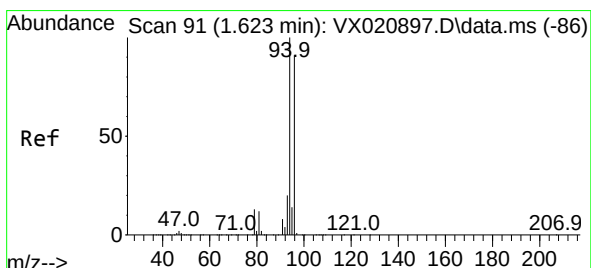
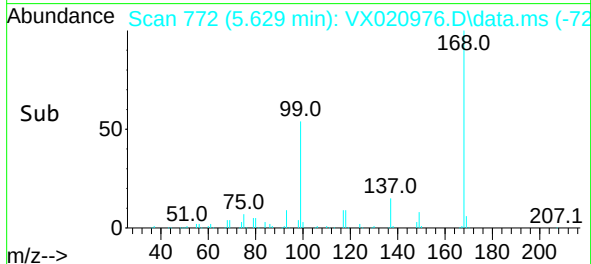
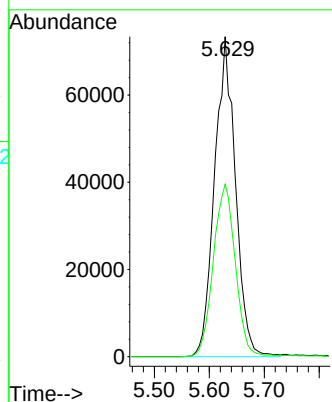
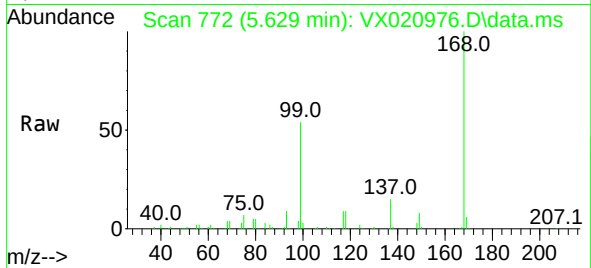




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

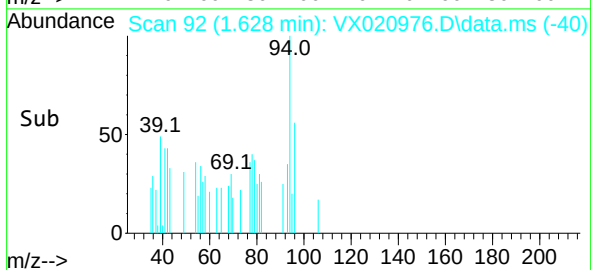
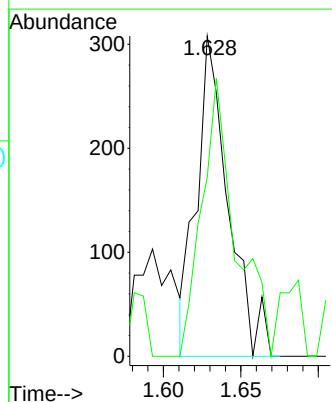
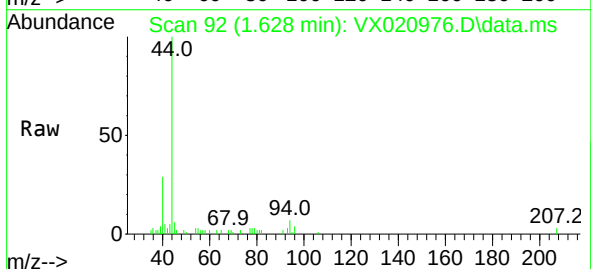
Instrument :
MSVOA_X
ClientSampleId :
MH-20A

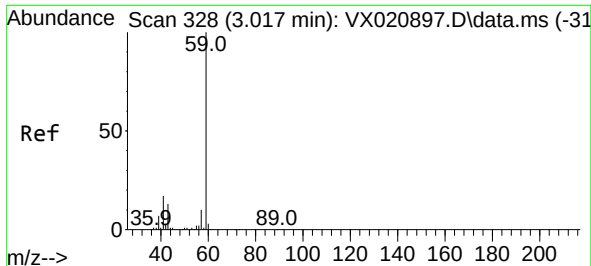
Tgt Ion:168 Resp: 193362
Ion Ratio Lower Upper
168 100
99 53.9 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.628 min Scan# 92
Delta R.T. 0.005 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

Tgt Ion: 94 Resp: 437
Ion Ratio Lower Upper
94 100
96 55.8 76.4 114.6#

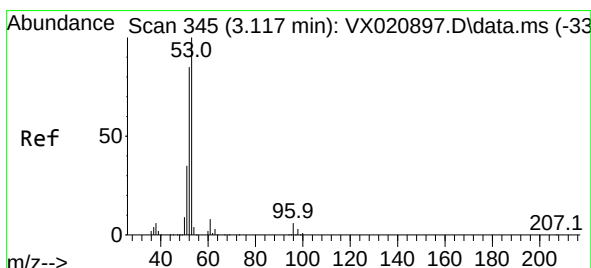
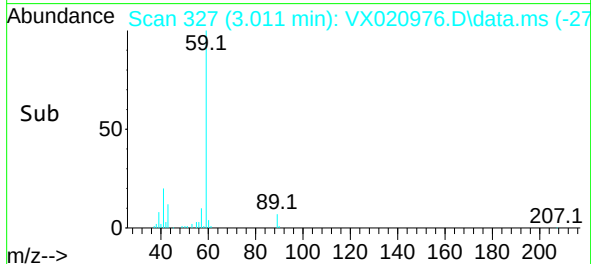
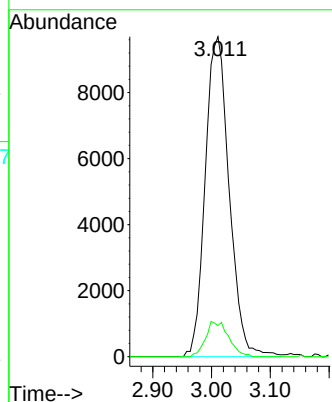
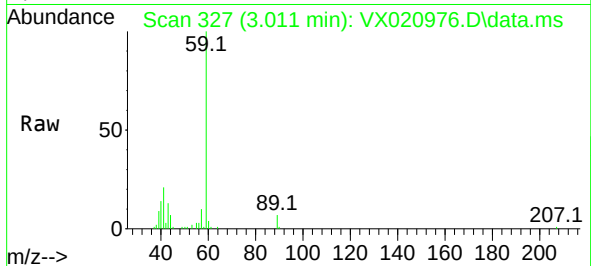




#11
Tert butyl alcohol
Concen: 47.15 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

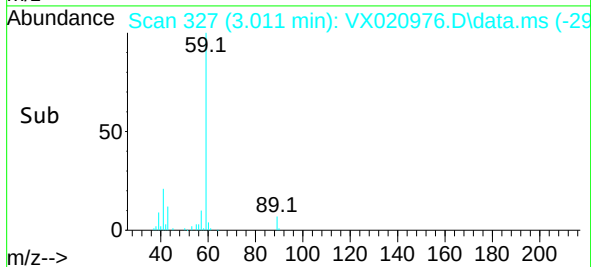
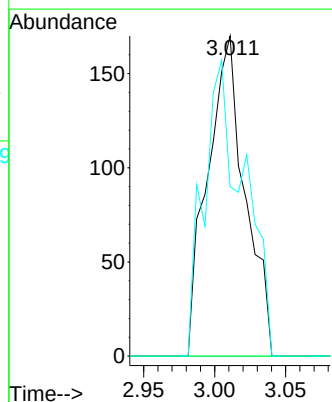
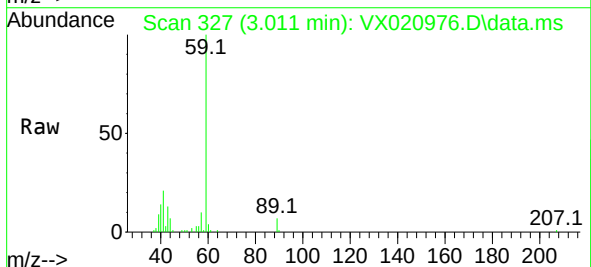
Instrument :
MSVOA_X
ClientSampleId :
MH-20A

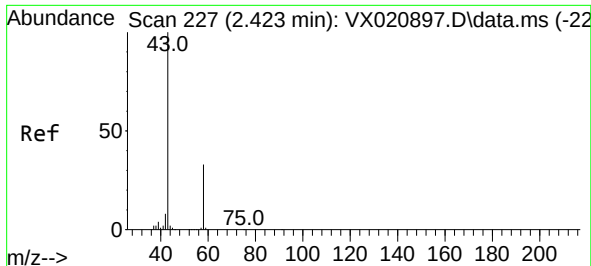
Tgt Ion: 59 Resp: 27426
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.8



#15
Acrylonitrile
Concen: 0.25 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.106 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

Tgt Ion: 53 Resp: 311
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 99.0 28.2 42.2#

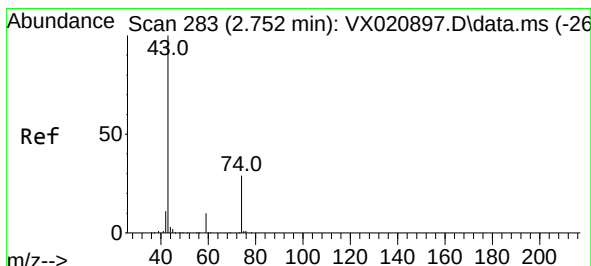
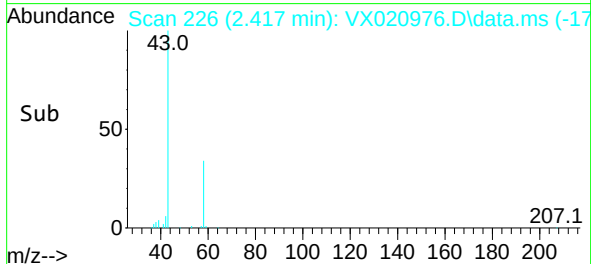
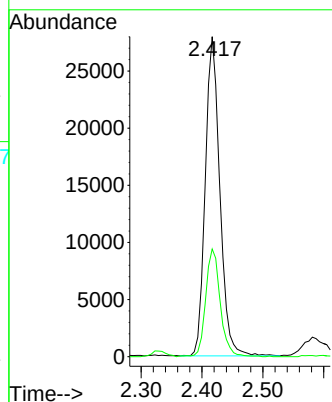
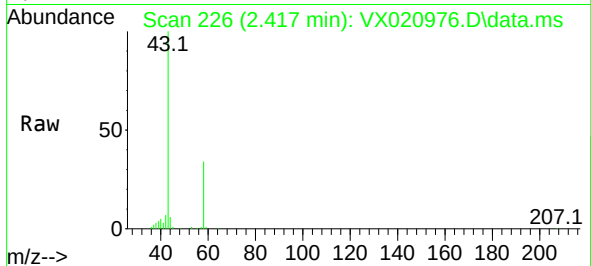




#16
Acetone
Concen: 43.40 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

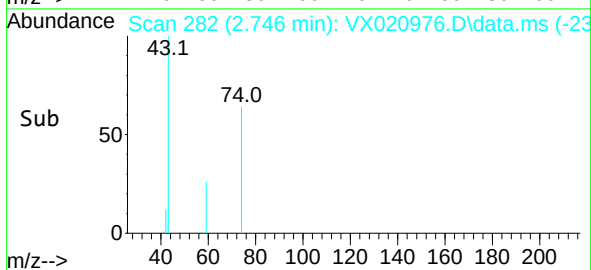
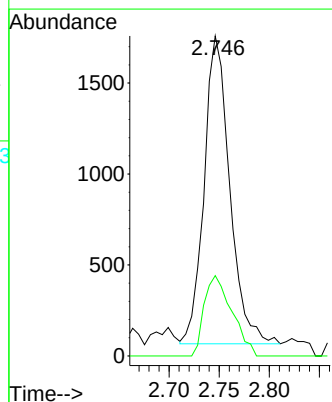
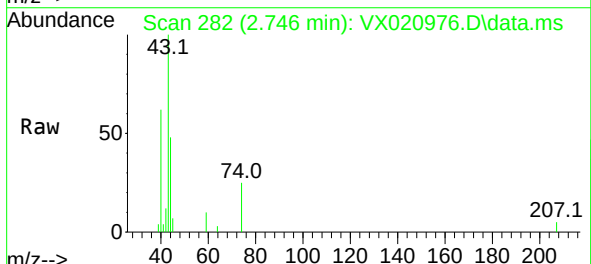
Instrument :
MSVOA_X
ClientSampleId :
MH-20A

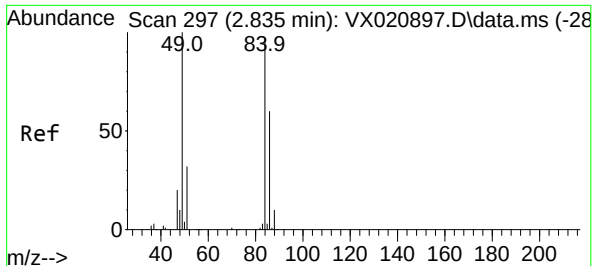
Tgt Ion: 43 Resp: 46707
Ion Ratio Lower Upper
43 100
58 33.7 27.8 41.8



#18
Methyl Acetate
Concen: 1.18 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

Tgt Ion: 43 Resp: 3011
Ion Ratio Lower Upper
43 100
74 28.2 21.9 32.9





#20

Methylene Chloride

Concen: 0.40 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.000 min

Lab File: VX020976.D

Acq: 02 Mar 2021 19:51

Tgt Ion: 84 Resp: 1028

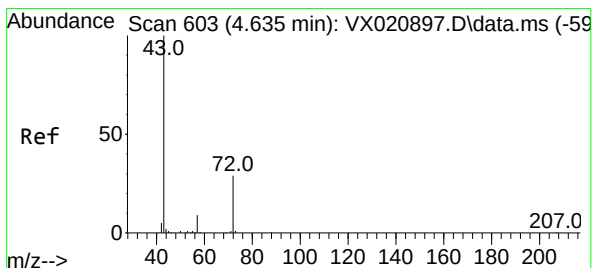
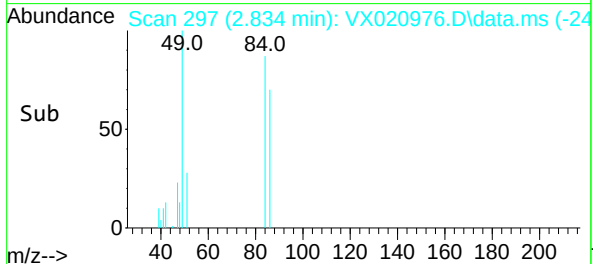
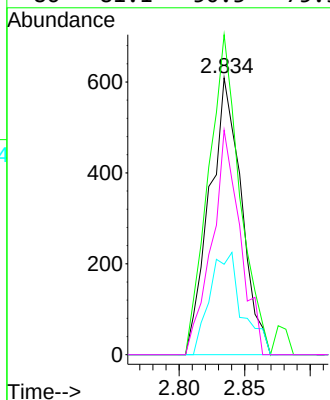
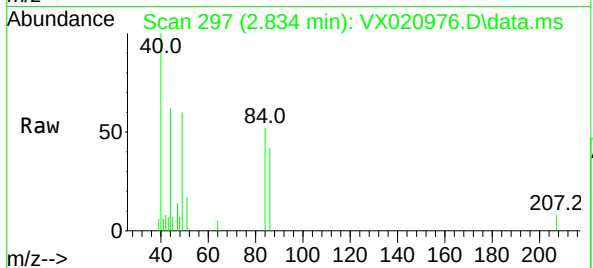
Ion Ratio Lower Upper

84 100

49 115.6 88.6 132.8

51 32.7 27.0 40.6

86 81.1 50.3 75.5#



#25

2-Butanone

Concen: 3.29 ug/l

RT: 4.629 min Scan# 602

Delta R.T. -0.006 min

Lab File: VX020976.D

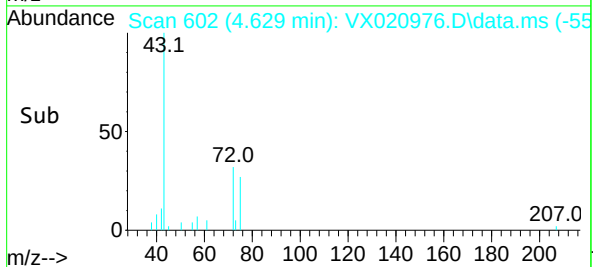
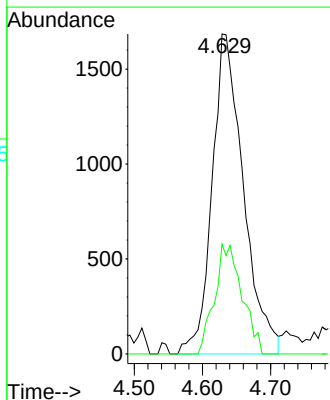
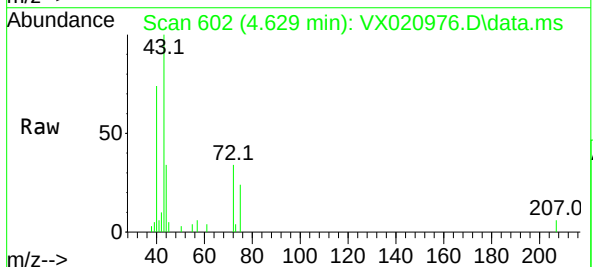
Acq: 02 Mar 2021 19:51

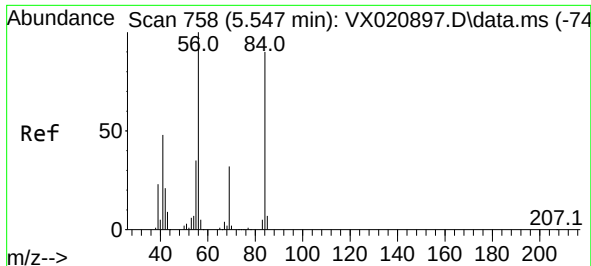
Tgt Ion: 43 Resp: 5379

Ion Ratio Lower Upper

43 100

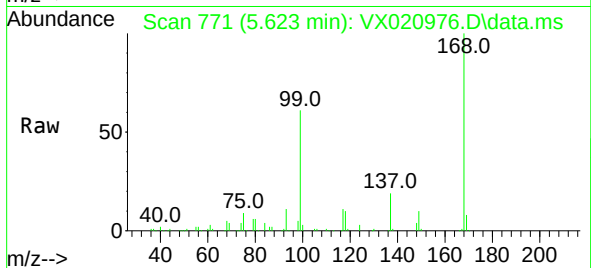
72 34.3 23.7 35.5



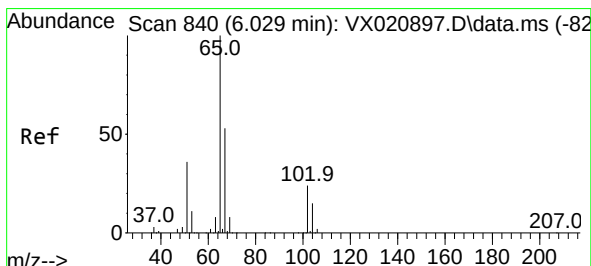
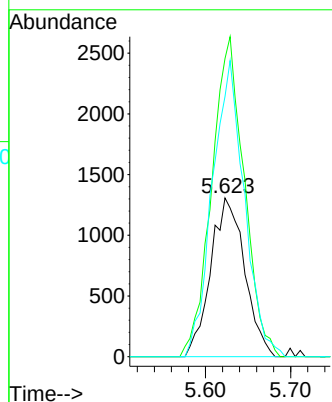
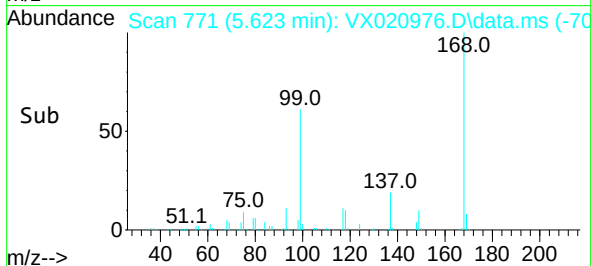


#31
Cyclohexane
Concen: 0.96 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

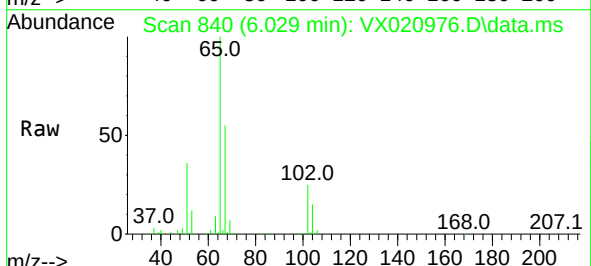
Instrument :
MSVOA_X
ClientSampled :
MH-20A



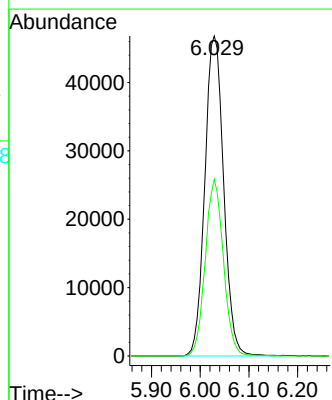
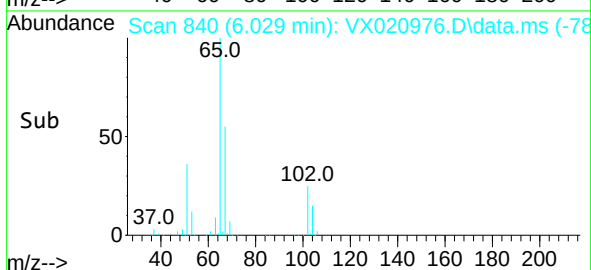
Tgt Ion: 56 Resp: 3629
Ion Ratio Lower Upper
56 100
69 187.9 25.3 37.9#
84 164.0 71.4 107.0#

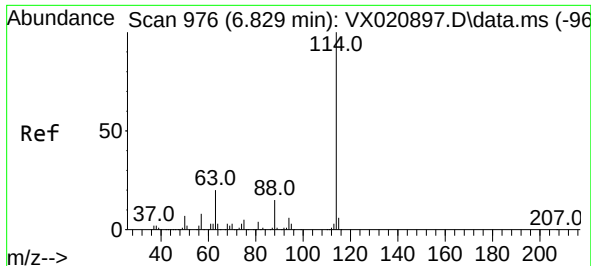


#33
1,2-Dichloroethane-d4
Concen: 48.00 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51



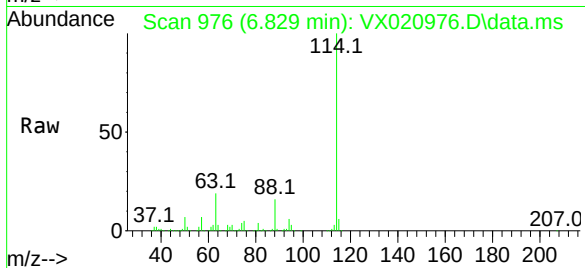
Tgt Ion: 65 Resp: 125361
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.4



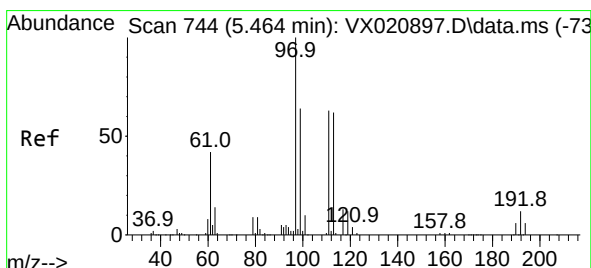
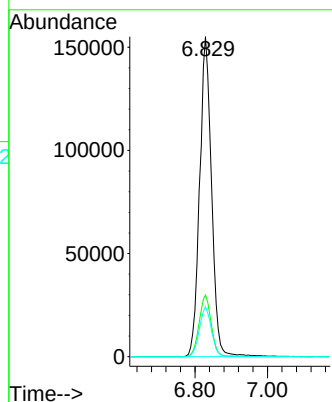
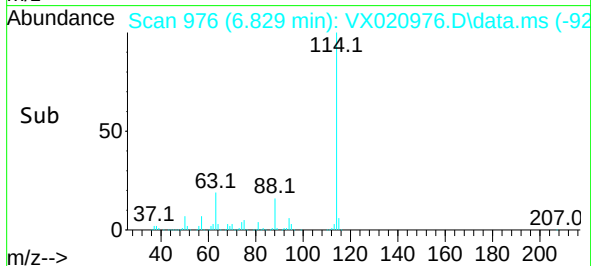


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

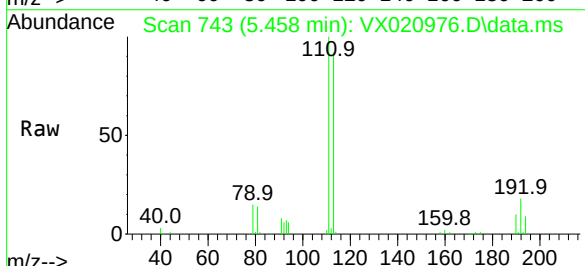
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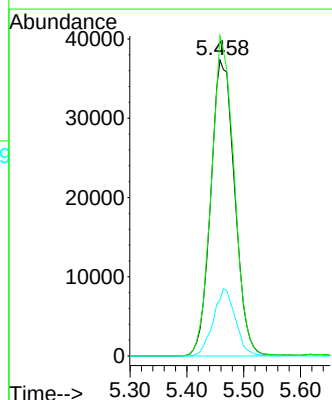
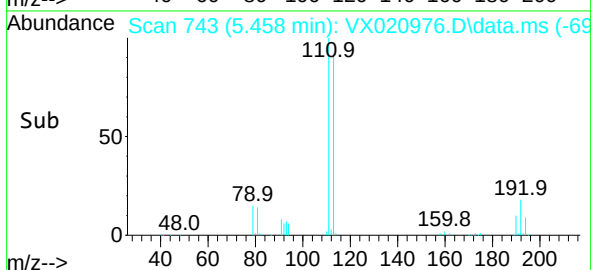
Tgt Ion:114 Resp: 353786
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.8
88 15.6 0.0 32.8

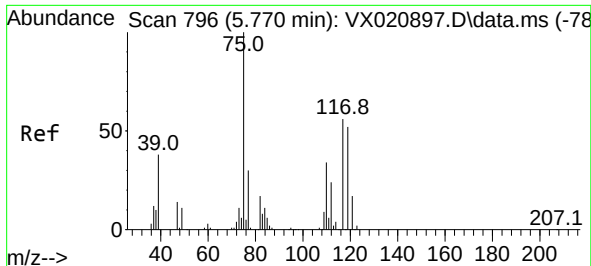


#35
Dibromofluoromethane
Concen: 50.91 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51



Tgt Ion:113 Resp: 109431
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 21.0 16.7 25.1

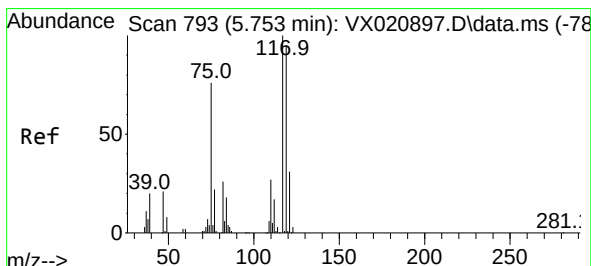
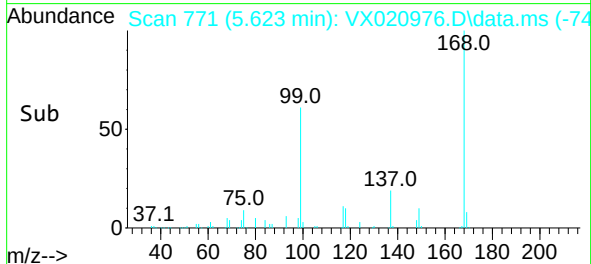
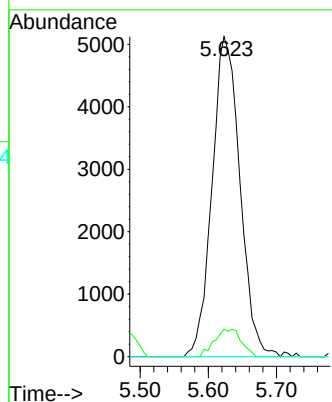
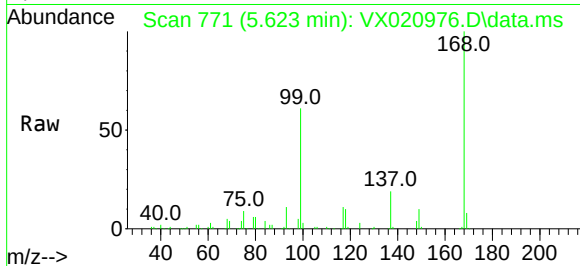




#36
1,1-Dichloropropene
Concen: 4.33 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

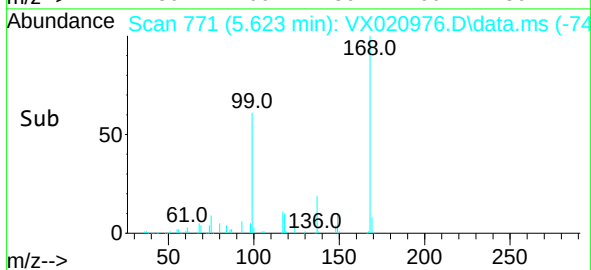
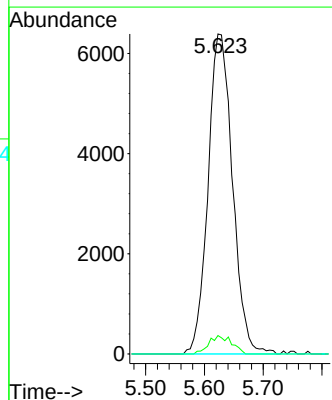
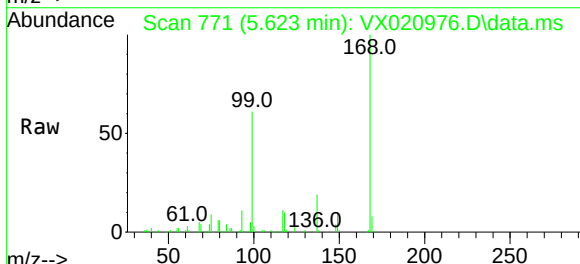
Instrument :
MSVOA_X
ClientSampled :
MH-20A

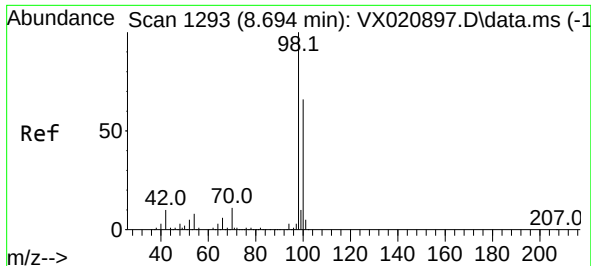
Tgt Ion:	75	Resp:	14565
Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.4#
77	0.0	25.3	37.9#



#38
Carbon Tetrachloride
Concen: 5.67 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.130 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

Tgt Ion:	117	Resp:	18476
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.2	114.2#
121	0.0	24.8	37.2#

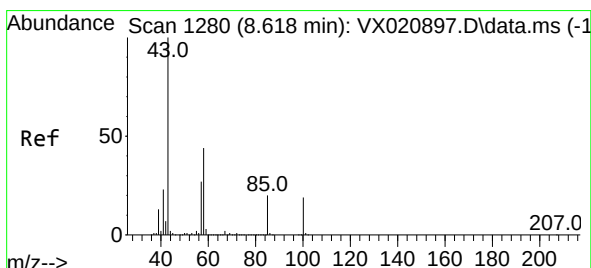
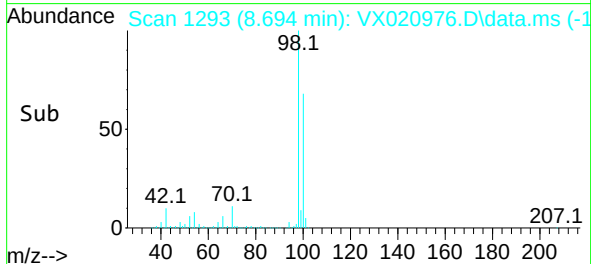
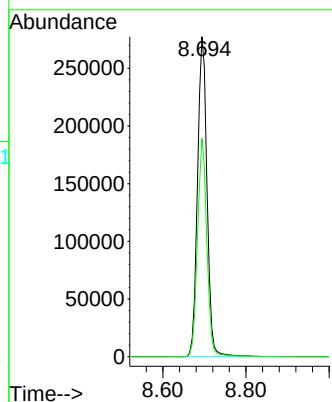
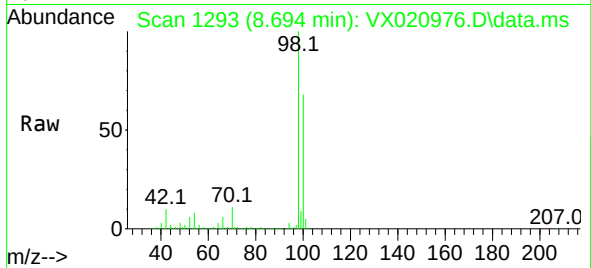




#50
Toluene-d8
Concen: 52.61 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

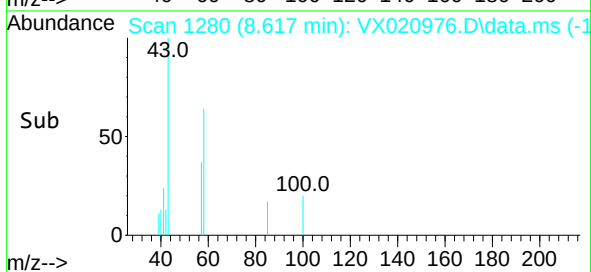
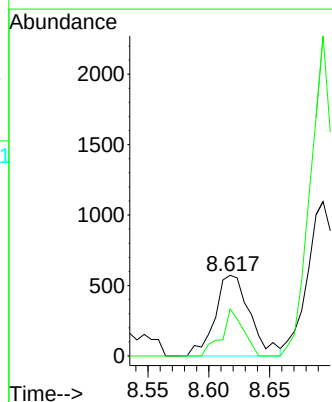
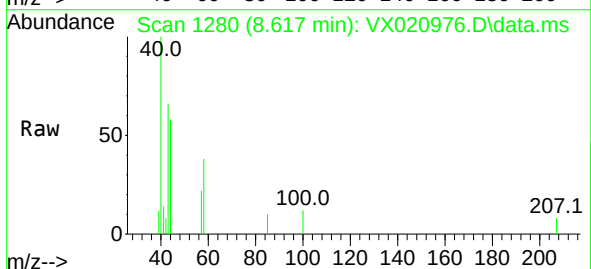
Instrument :
MSVOA_X
ClientSampleId :
MH-20A

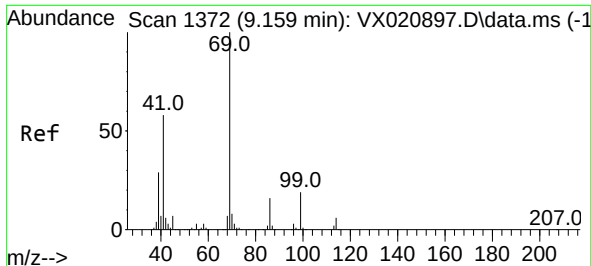
Tgt Ion: 98 Resp: 440911
Ion Ratio Lower Upper
98 100
100 66.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.36 ug/l
RT: 8.617 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 36.0 35.4 53.0

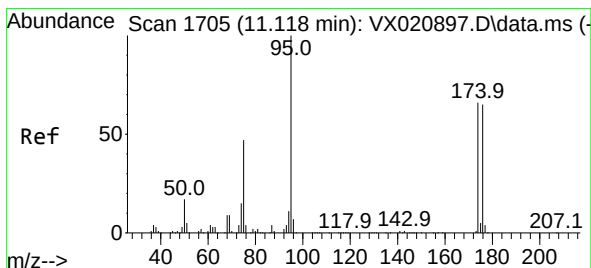
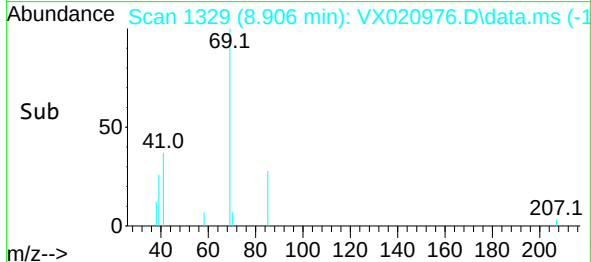
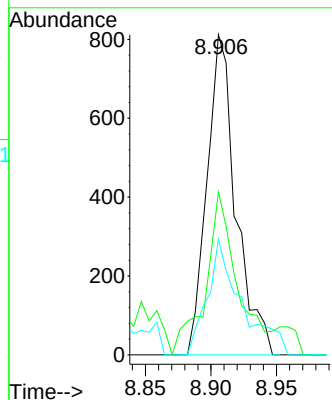
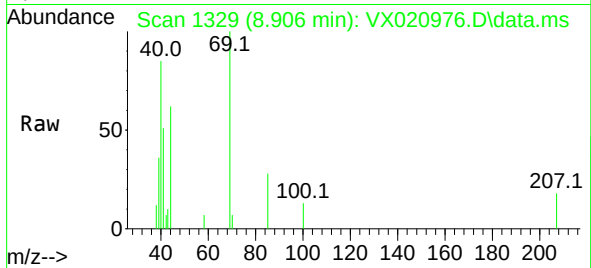




#56
Ethyl methacrylate
Concen: 0.31 ug/l
RT: 8.906 min Scan# 1329
Delta R.T. -0.253 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

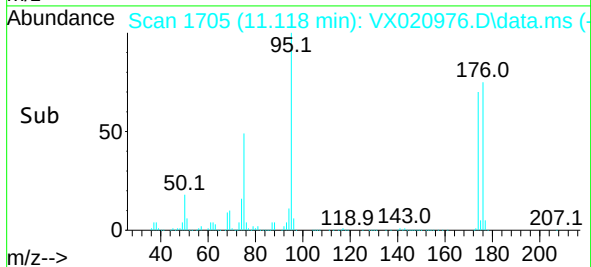
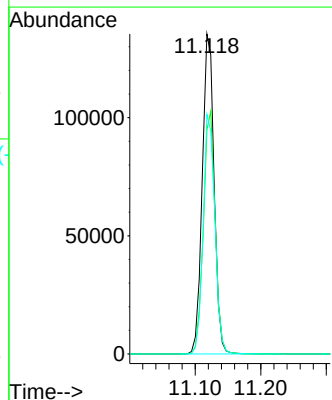
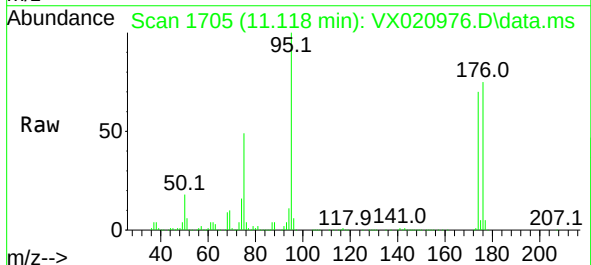
Instrument :
MSVOA_X
ClientSampleId :
MH-20A

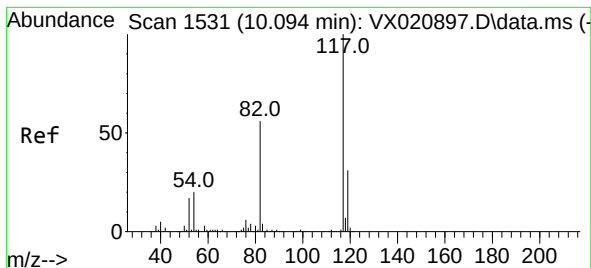
Tgt Ion:	69	Resp:	1242
Ion	Ratio	Lower	Upper
69	100		
41	56.4	46.8	70.2
39	42.6	24.7	37.1#



#62
4-Bromofluorobenzene
Concen: 54.94 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

Tgt Ion:	95	Resp:	170268
Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	154.6
176	74.1	0.0	155.8

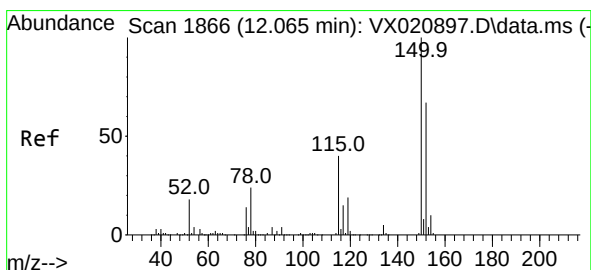
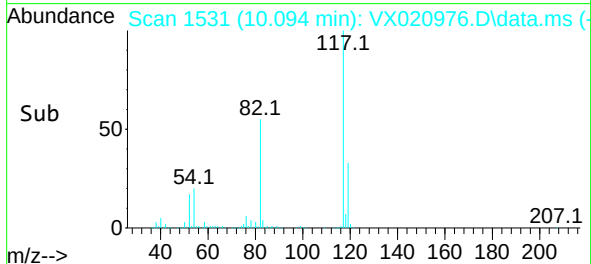
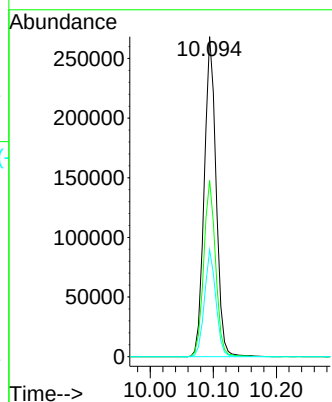
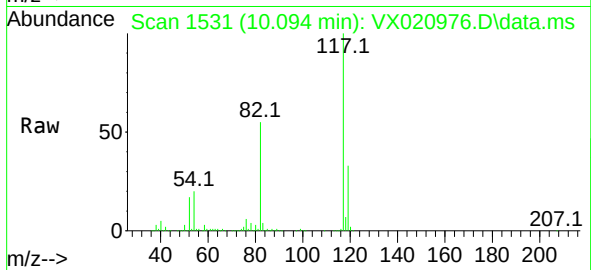




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

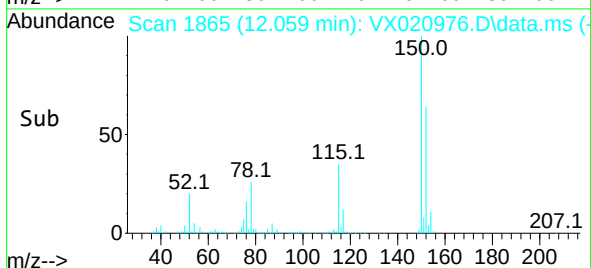
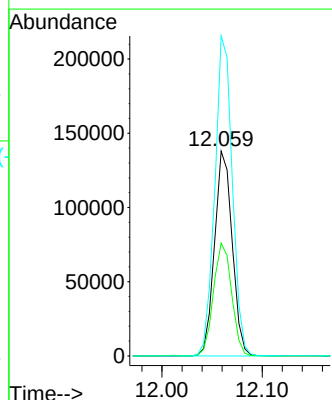
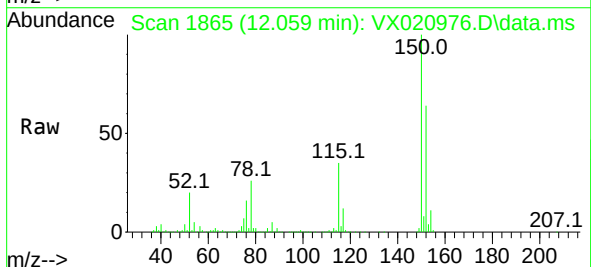
Instrument :
MSVOA_X
ClientSampleId :
MH-20A

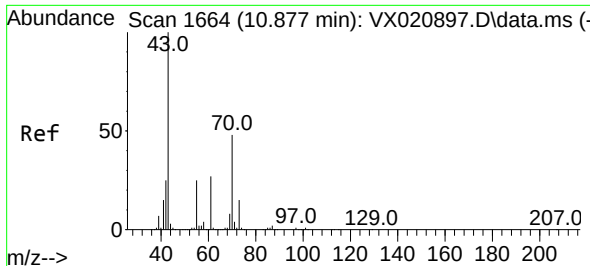
Tgt Ion:117 Resp: 351337
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 33.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

Tgt Ion:152 Resp: 168551
Ion Ratio Lower Upper
152 100
115 56.5 41.1 123.3
150 155.3 0.0 349.0

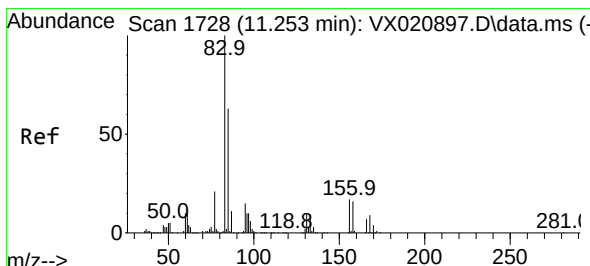
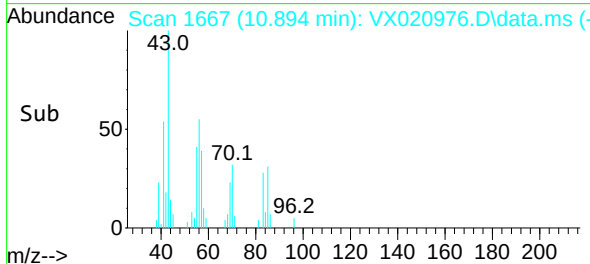
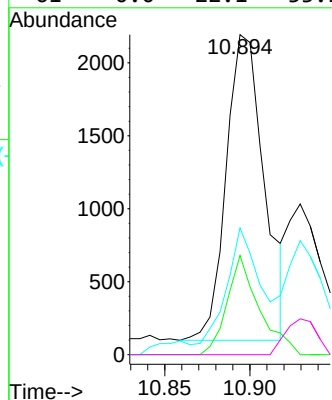
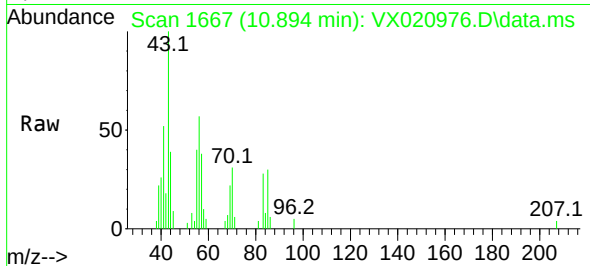




#74
N-amy1 acetate
Concen: 0.61 ug/l
RT: 10.894 min Scan# 1667
Delta R.T. 0.017 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

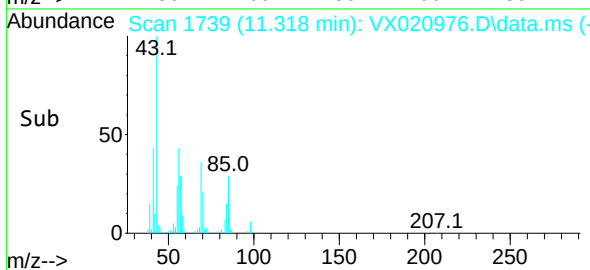
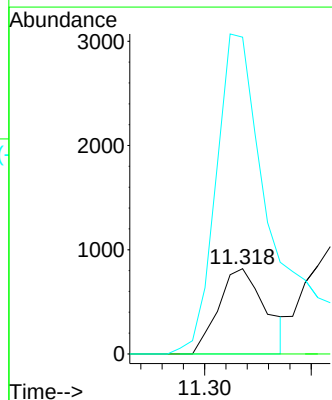
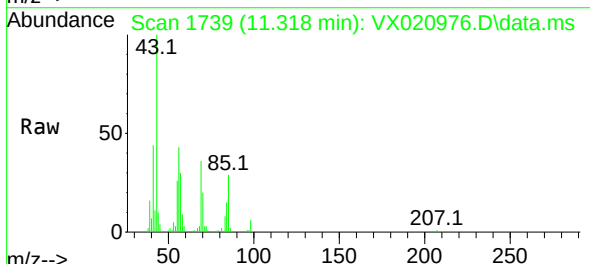
Instrument :
MSVOA_X
ClientSampleId :
MH-20A

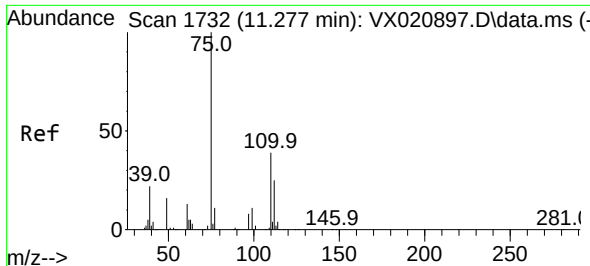
Tgt Ion: 43	Resp: 3265
Ion Ratio	Lower Upper
43 100	
70 27.3	39.0 58.6#
55 41.7	21.5 32.3#
61 0.0	22.1 33.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.29 ug/l
RT: 11.318 min Scan# 1739
Delta R.T. 0.065 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

Tgt Ion: 83	Resp: 1254
Ion Ratio	Lower Upper
83 100	
131 0.0	5.1 15.2#
85 523.4	31.8 95.4#

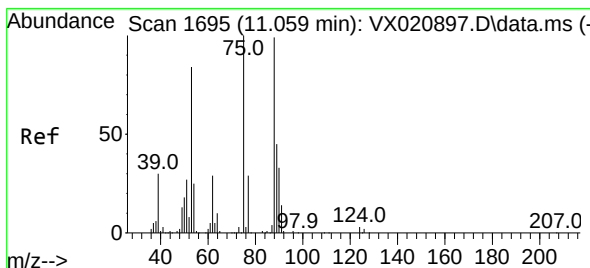
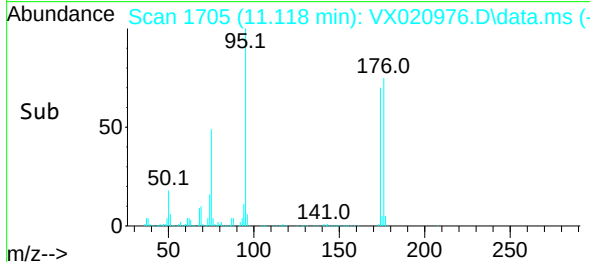
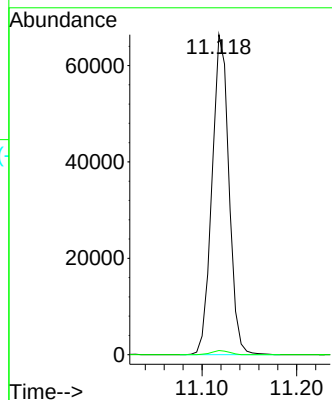
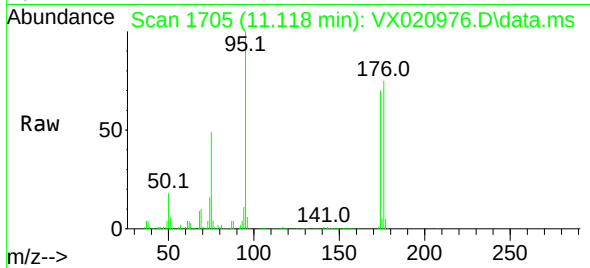




#76
1,2,3-Trichloropropane
Concen: 22.69 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

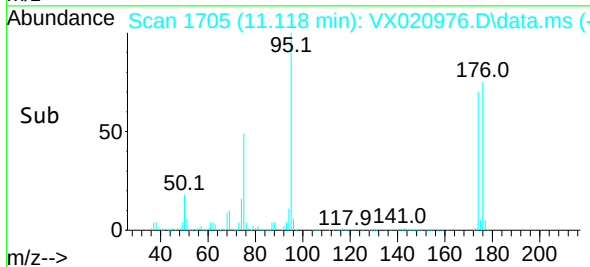
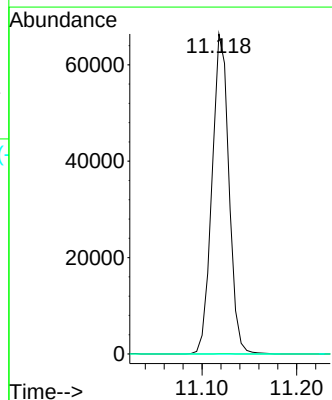
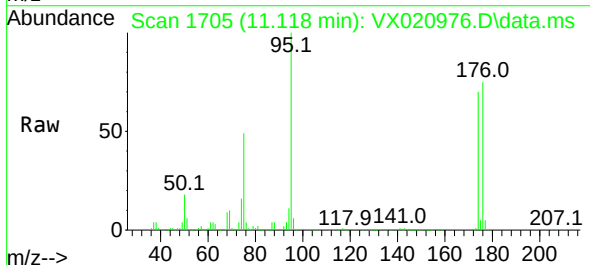
Instrument :
MSVOA_X
ClientSampled :
MH-20A

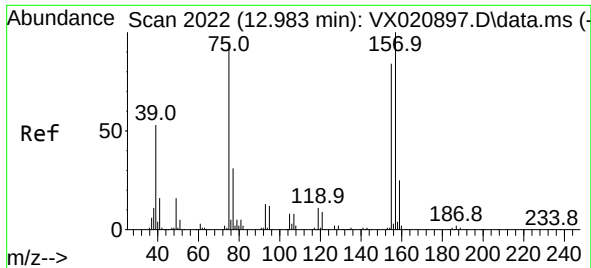
Tgt Ion: 75 Resp: 82261
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.23 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX020976.D
Acq: 02 Mar 2021 19:51

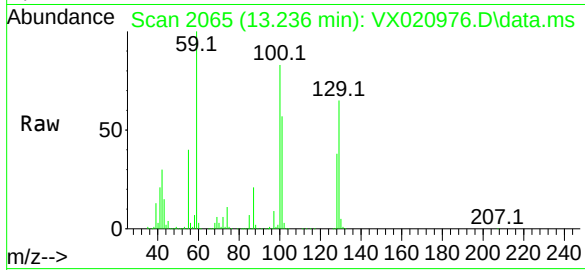
Tgt Ion: 75 Resp: 82261
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.75 ug/l
 RT: 13.236 min Scan# 2065
 Delta R.T. 0.253 min
 Lab File: VX020976.D
 Acq: 02 Mar 2021 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-20A



Tgt Ion: 75 Resp: 2700
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.3 135.9#
 157 0.0 57.7 173.1#

