

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066725.D
 Acq On : 22 Apr 2021 19:22
 Operator : JC/MD
 Sample : M2150-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:31:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Apr 21 16:55:39 2021
 Response via : Initial Calibration

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

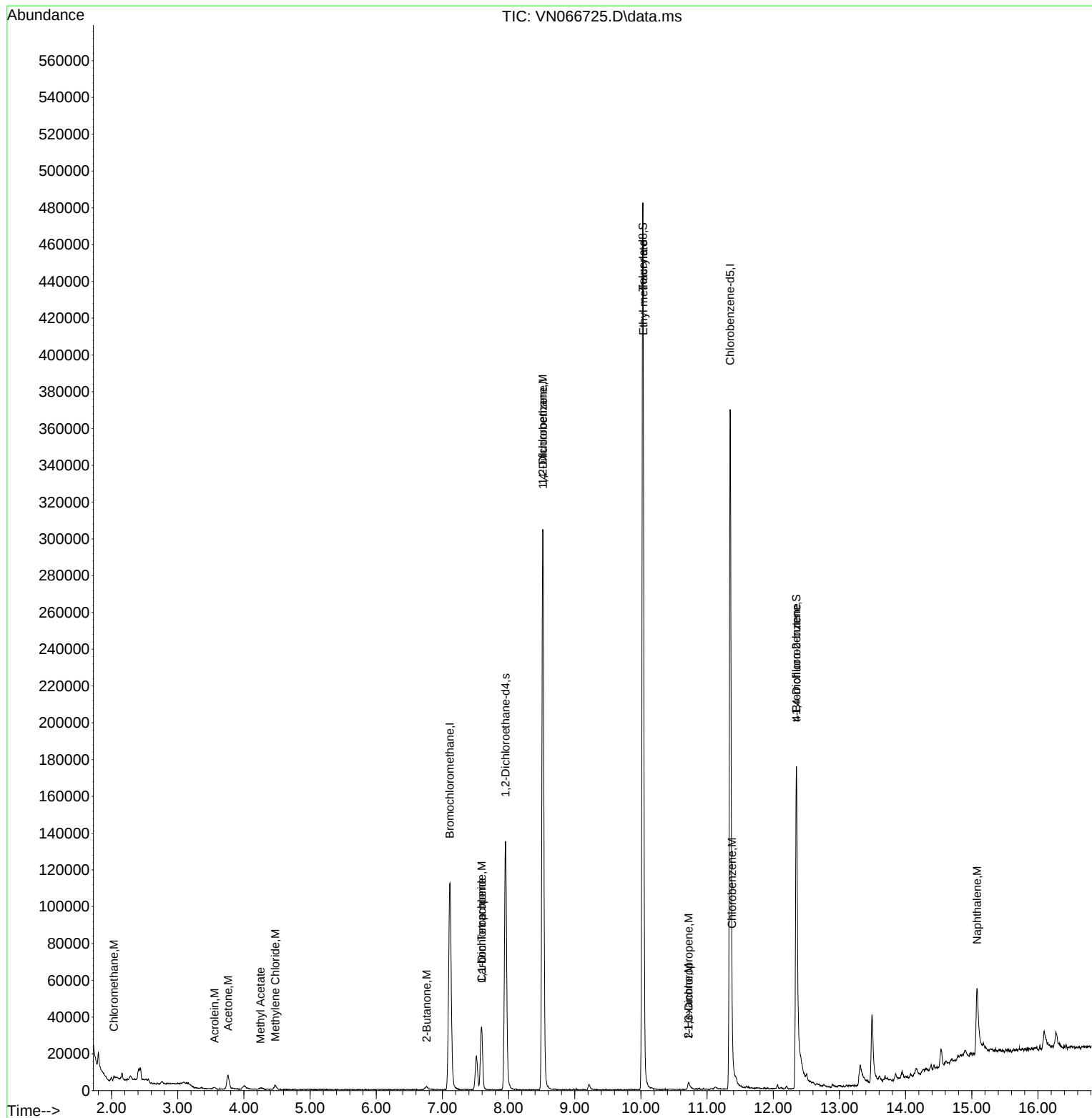
Internal Standards						
1) Bromochloromethane	7.114	128	46521	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.519	114	283702	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.348	117	236017	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.953	65	115703	34.52	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	115.07%	#	
60) 4-Bromofluorobenzene	12.349	95	80018	21.63	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	72.10%		
63) Toluene-d8	10.029	98	348727	32.11	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	107.03%		
Target Compounds					Qvalue	
3) Chloromethane	2.037	50	1110	0.31	ug/l	99
12) Methyl Acetate	4.252	43	709	0.22	ug/l #	53
13) Acrolein	3.555	56	921	1.98	ug/l #	57
15) Acetone	3.761	58	3876	10.20	ug/l	80
18) Methylene Chloride	4.475	84	1046	0.34	ug/l #	88
29) 1,1-Dichloropropene	7.594	75	2207	0.49	ug/l #	44
30) 2-Butanone	6.762	43	2198	1.02	ug/l #	59
33) Carbon Tetrachloride	7.594	117	2592	0.61	ug/l #	14
36) 1,2-Dichloroethane	8.516	62	8973	1.90	ug/l #	76
48) t-1,3-Dichloropropene	10.721	75	1640	0.30	ug/l #	44
51) Ethyl methacrylate	10.037	69	1020	0.21	ug/l #	61
59) 2-Hexanone	10.715	43	605	0.23	ug/l #	34
64) Chlorobenzene	11.375	112	5471	0.68	ug/l	97
77) t-1,4-Dichloro-2-butene	12.349	75	39290	31.80	ug/l #	10
91) Naphthalene	15.079	128	49575	6.35	ug/l	96

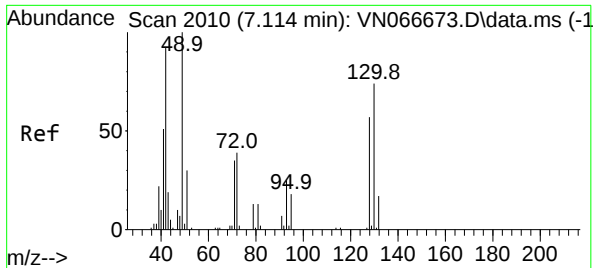
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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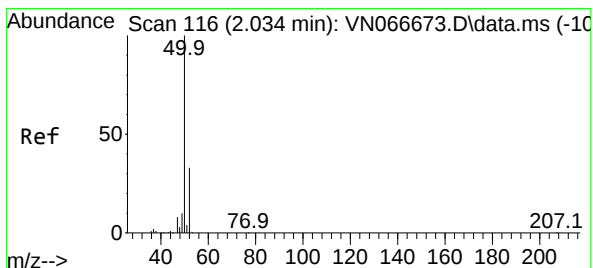
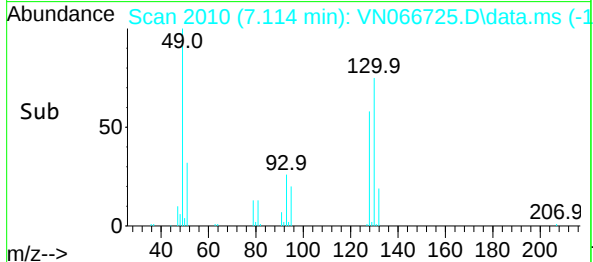
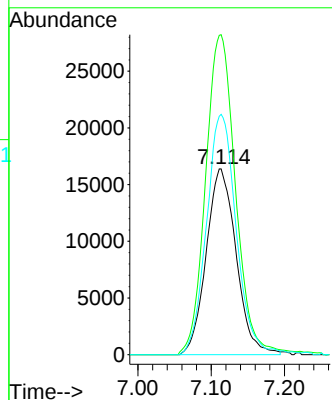
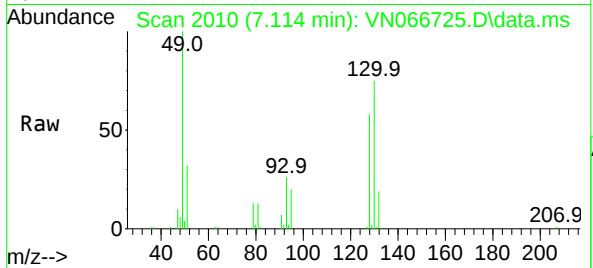




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.114 min Scan# 2010
Delta R.T. -0.000 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

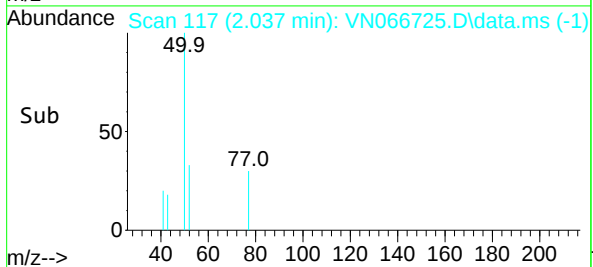
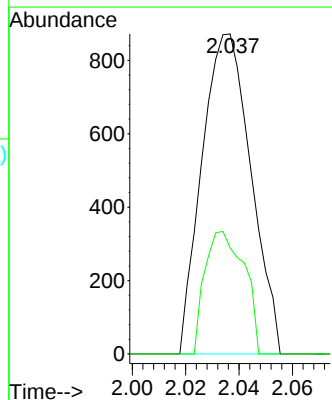
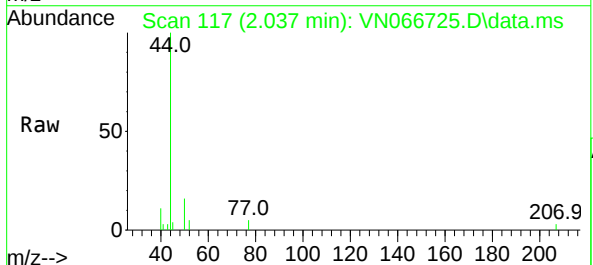
Instrument :
MSVOA_N
ClientSampleId :

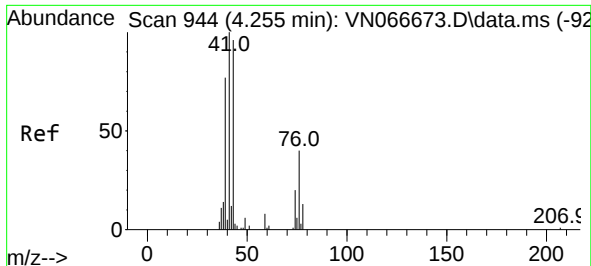
Tgt Ion:128 Resp: 46521
Ion Ratio Lower Upper
128 100
49 172.0 0.0 429.3
130 127.6 0.0 328.5



#3
Chloromethane
Concen: 0.31 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

Tgt Ion: 50 Resp: 1110
Ion Ratio Lower Upper
50 100
52 33.1 26.2 39.4





#12

Methyl Acetate

Concen: 0.22 ug/l

RT: 4.252 min Scan# 943

Delta R.T. -0.003 min

Lab File: VN066725.D

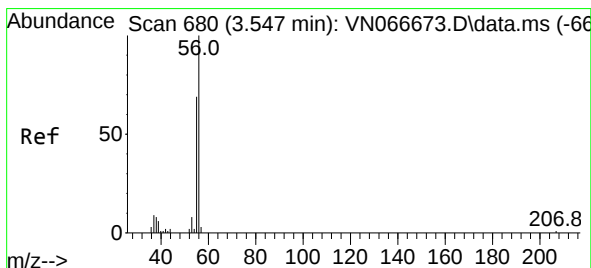
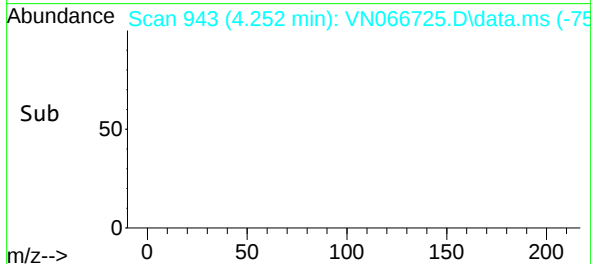
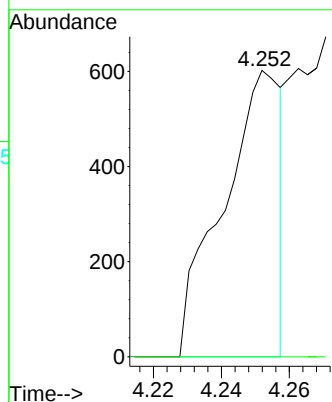
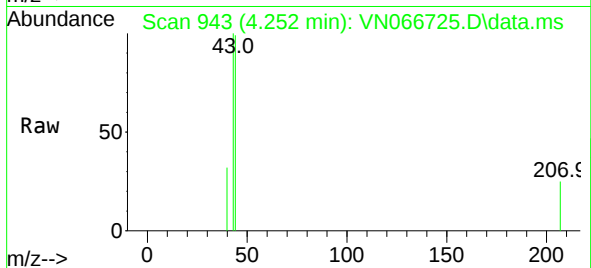
Acq: 22 Apr 2021 19:22

Tgt Ion: 43 Resp: 709

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#



#13

Acrolein

Concen: 1.98 ug/l

RT: 3.555 min Scan# 683

Delta R.T. 0.008 min

Lab File: VN066725.D

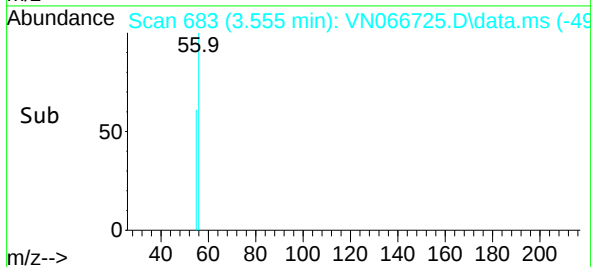
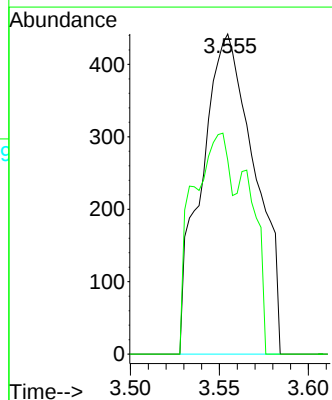
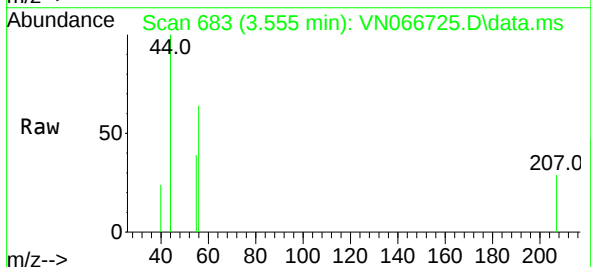
Acq: 22 Apr 2021 19:22

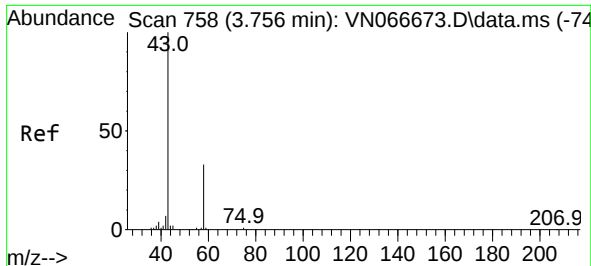
Tgt Ion: 56 Resp: 921

Ion Ratio Lower Upper

56 100

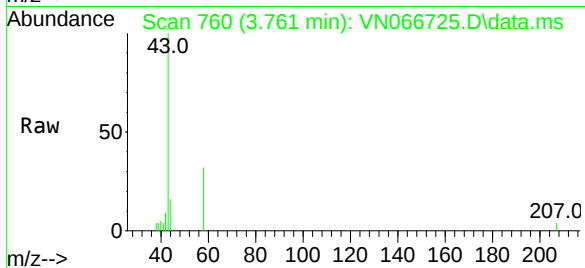
55 33.2 54.1 81.1#



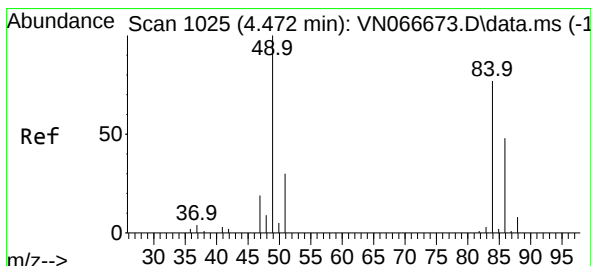
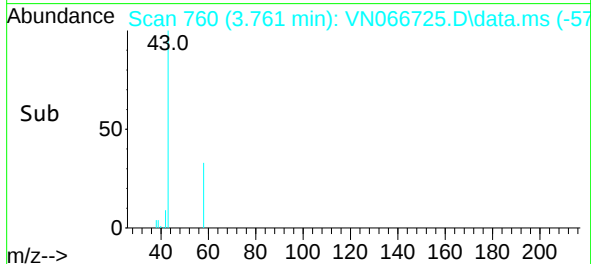
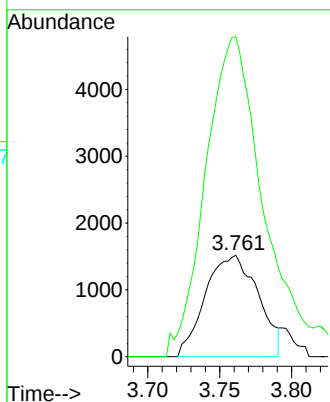


#15
Acetone
Concen: 10.20 ug/l
RT: 3.761 min Scan# 760
Delta R.T. 0.005 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

Instrument :
MSVOA_N
ClientSampleId :

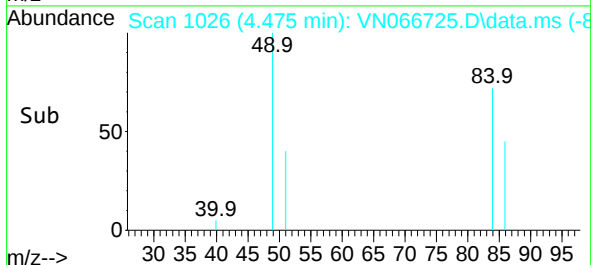
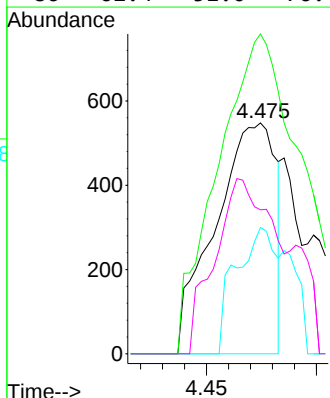
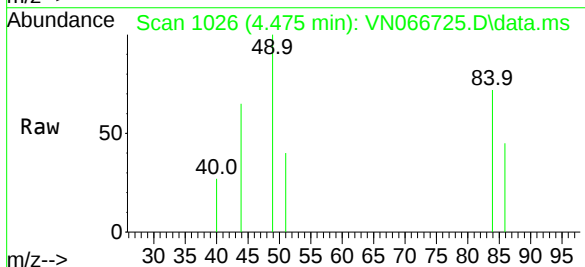


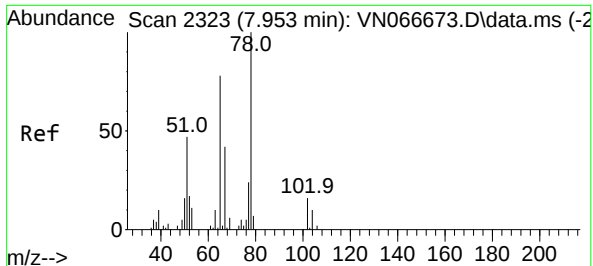
Tgt Ion: 58 Resp: 3876
Ion Ratio Lower Upper
58 100
43 292.5 267.3 400.9



#18
Methylene Chloride
Concen: 0.34 ug/l
RT: 4.475 min Scan# 1026
Delta R.T. 0.003 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

Tgt Ion: 84 Resp: 1046
Ion Ratio Lower Upper
84 100
49 138.5 98.9 148.3
51 54.7 30.8 46.2#
86 62.4 51.0 76.4





#27

1,2-Dichloroethane-d4

Concen: 34.52 ug/l

RT: 7.953 min Scan# 2323

Delta R.T. 0.000 min

Lab File: VN066725.D

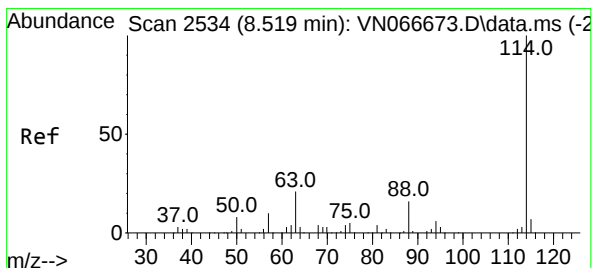
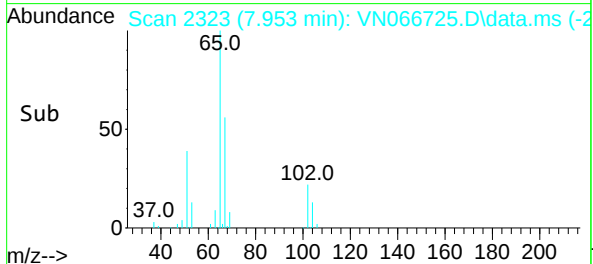
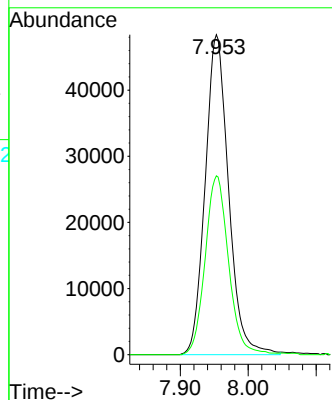
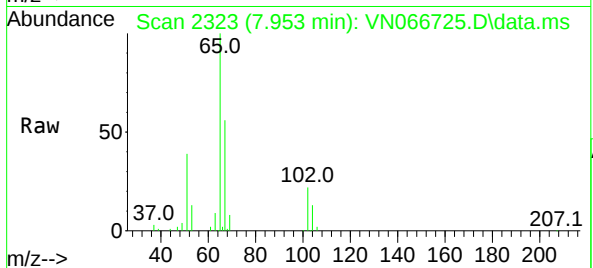
Acq: 22 Apr 2021 19:22

Tgt Ion: 65 Resp: 115703

Ion Ratio Lower Upper

65 100

67 55.8 42.2 63.4



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.519 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VN066725.D

Acq: 22 Apr 2021 19:22

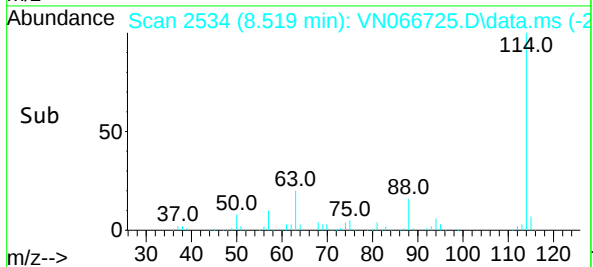
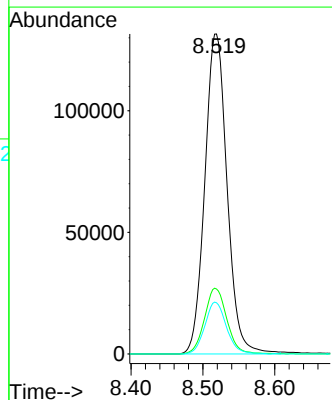
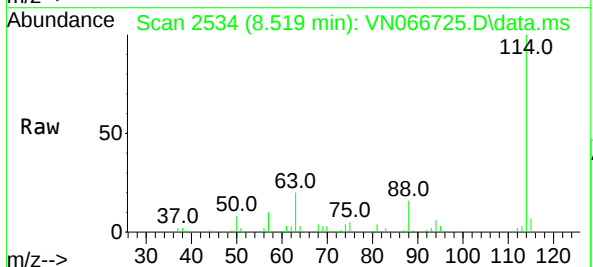
Tgt Ion: 114 Resp: 283702

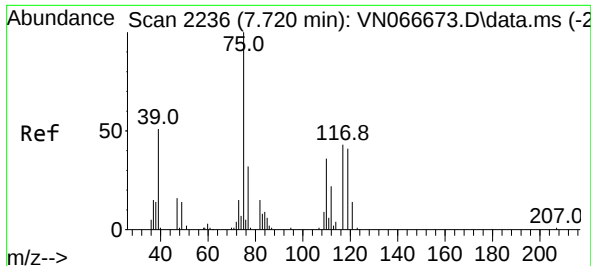
Ion Ratio Lower Upper

114 100

63 20.6 17.4 26.0

88 15.8 12.6 19.0

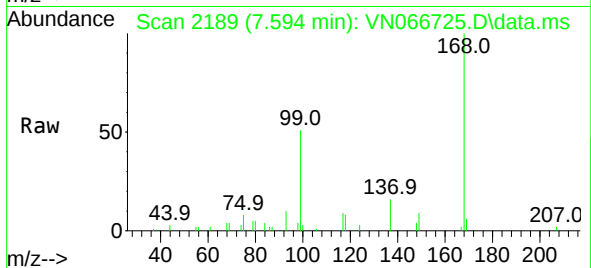




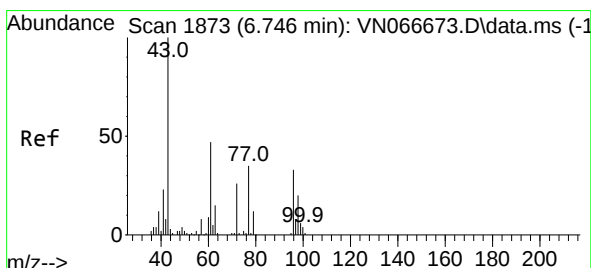
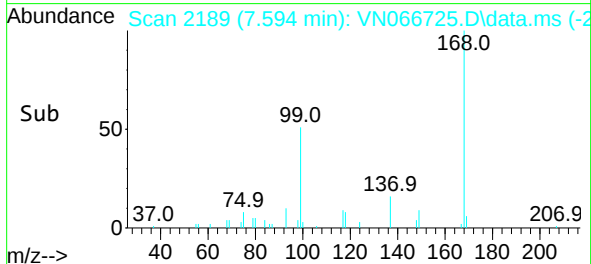
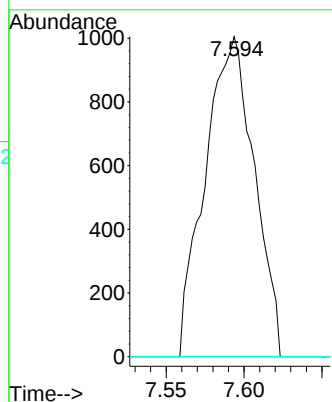
#29

1,1-Dichloropropene
Concen: 0.49 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.126 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

Instrument :
MSVOA_N
ClientSampled :

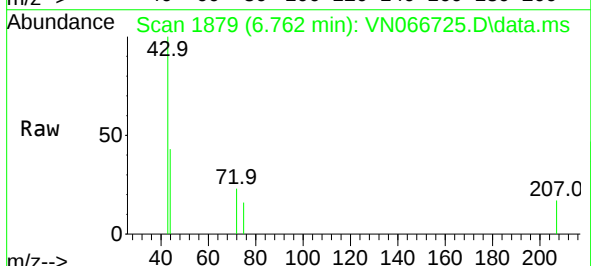


Tgt Ion: 75	Resp: 2207
Ion Ratio	Lower Upper
75 100	
110 2.4	0.0 69.4
77 0.0	0.0 60.6

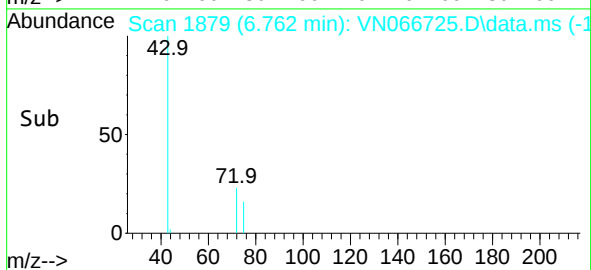
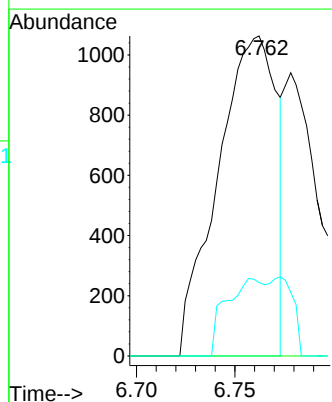


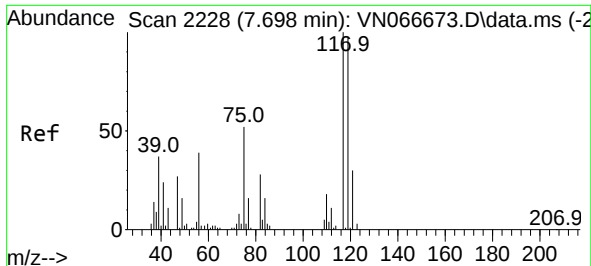
#30

2-Butanone
Concen: 1.02 ug/l
RT: 6.762 min Scan# 1879
Delta R.T. 0.016 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22



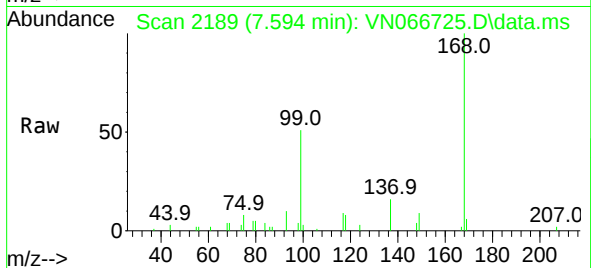
Tgt Ion: 43	Resp: 2198
Ion Ratio	Lower Upper
43 100	
57 0.0	6.9 10.3#
72 2.3	20.9 31.3#



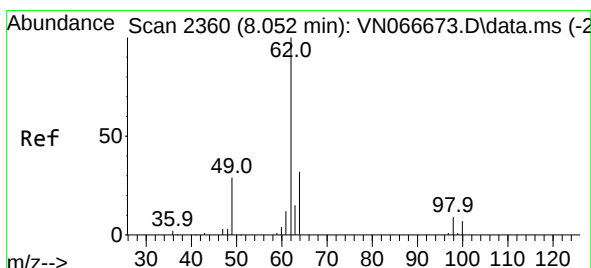
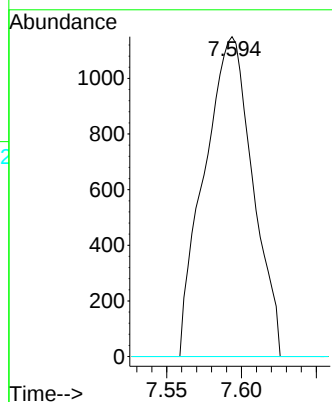
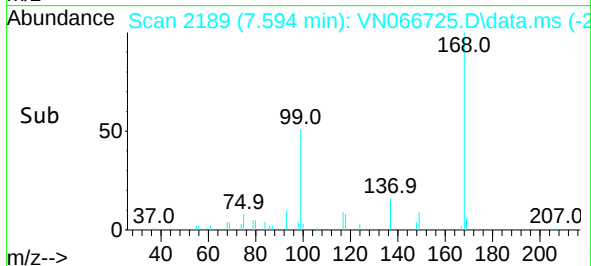


#33
Carbon Tetrachloride
Concen: 0.61 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.104 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

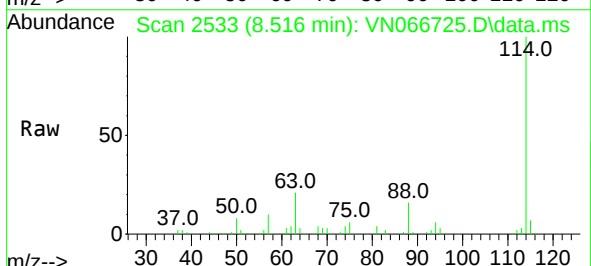
Instrument :
MSVOA_N
ClientSampleId :



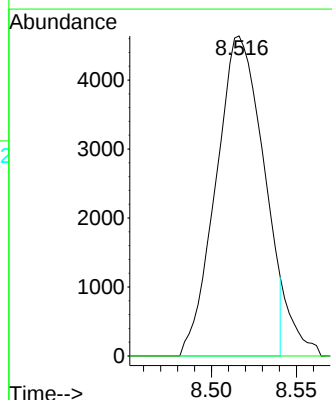
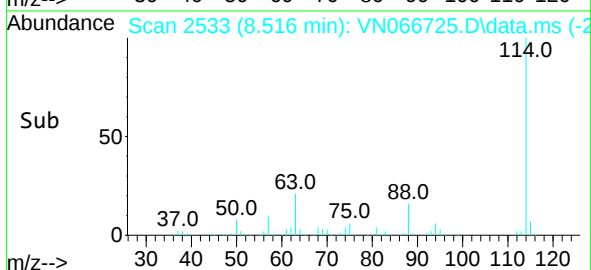
Tgt Ion: 117 Resp: 2592
Ion Ratio Lower Upper
117 100
119 0.0 72.6 108.8#
121 0.0 23.5 35.3#

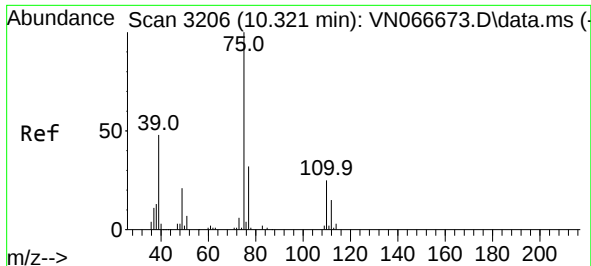


#36
1,2-Dichloroethane
Concen: 1.90 ug/l
RT: 8.516 min Scan# 2533
Delta R.T. 0.464 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22



Tgt Ion: 62 Resp: 8973
Ion Ratio Lower Upper
62 100
98 0.0 6.9 10.3#

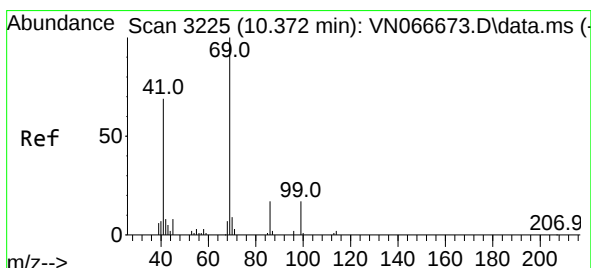
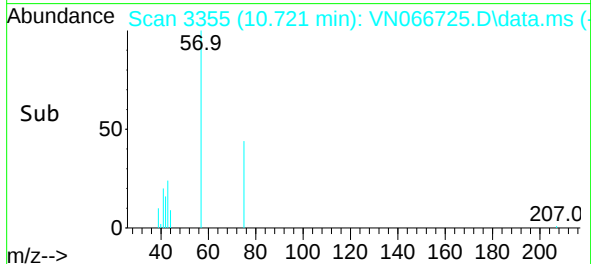
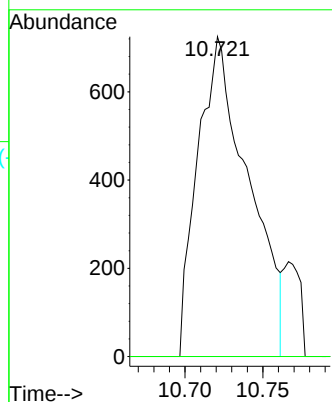
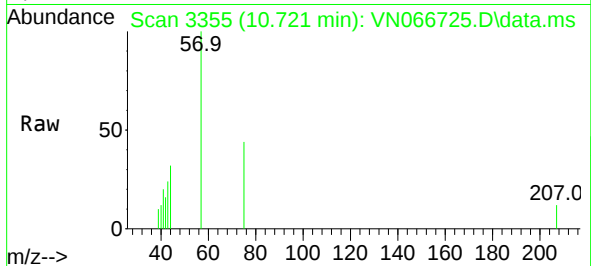




#48
t-1,3-Dichloropropene
Concen: 0.30 ug/l
RT: 10.721 min Scan# 3355
Delta R.T. 0.400 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

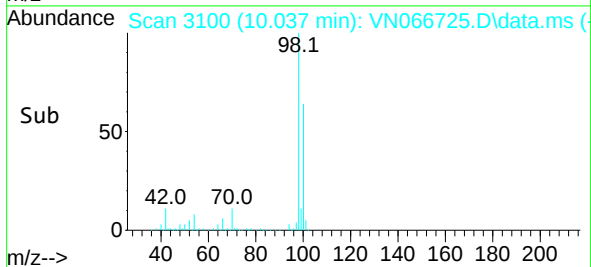
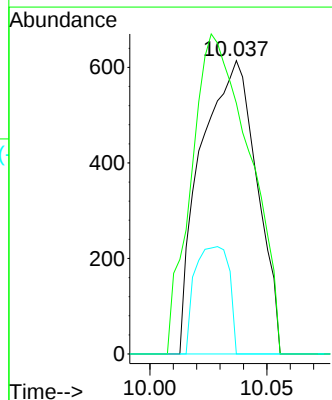
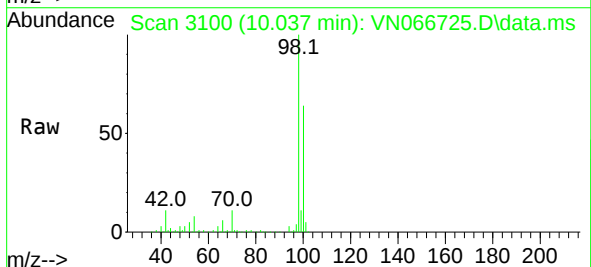
Instrument :
MSVOA_N
ClientSampleId :

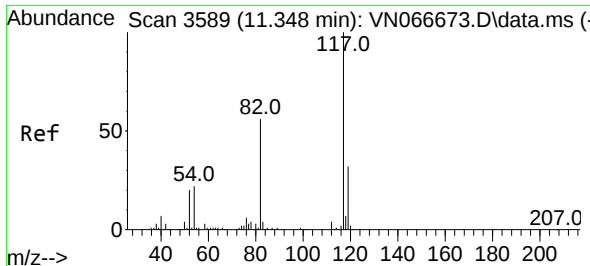
Tgt Ion: 75 Resp: 1640
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#51
Ethyl methacrylate
Concen: 0.21 ug/l
RT: 10.037 min Scan# 3100
Delta R.T. -0.335 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

Tgt Ion: 69 Resp: 1020
Ion Ratio Lower Upper
69 100
41 85.5 34.8 104.5
39 0.0 22.5 67.5#

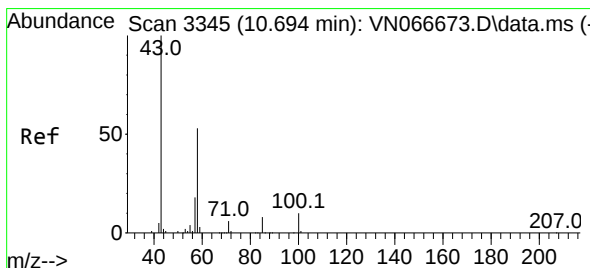
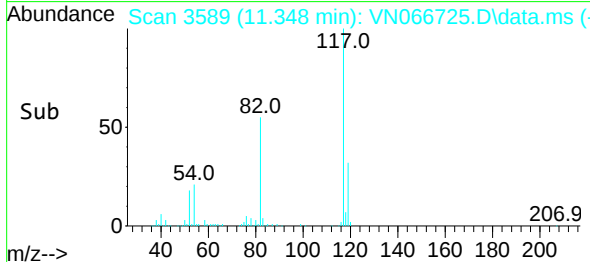
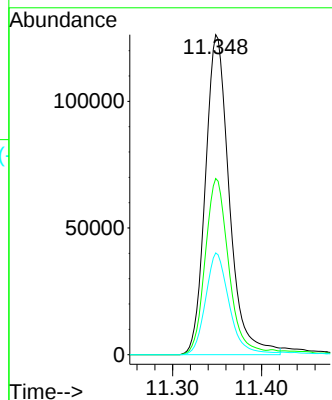
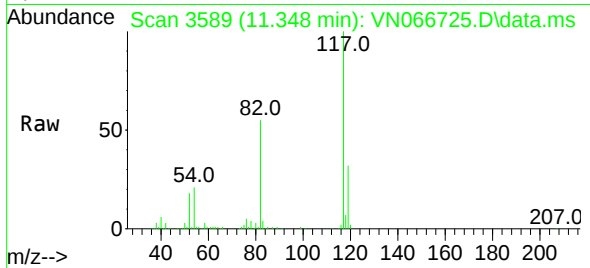




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

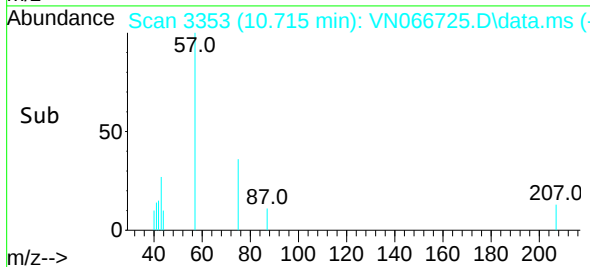
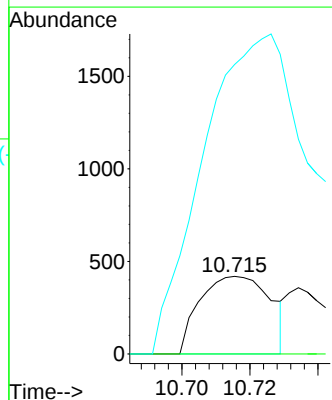
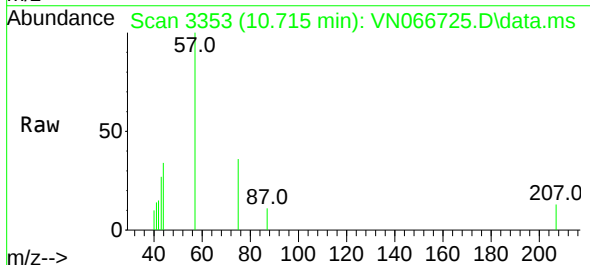
Instrument :
MSVOA_N
ClientSampleId :

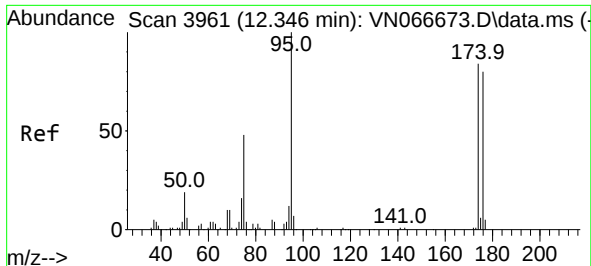
Tgt Ion:117 Resp: 236017
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.6
119 31.5 25.5 38.3



#59
2-Hexanone
Concen: 0.23 ug/l
RT: 10.715 min Scan# 3353
Delta R.T. 0.021 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

Tgt Ion: 43 Resp: 605
Ion Ratio Lower Upper
43 100
58 0.0 41.8 62.6#
57 0.0 14.9 22.3#

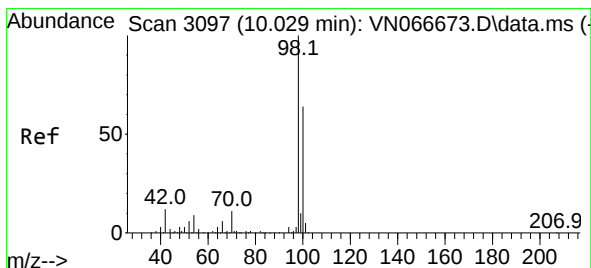
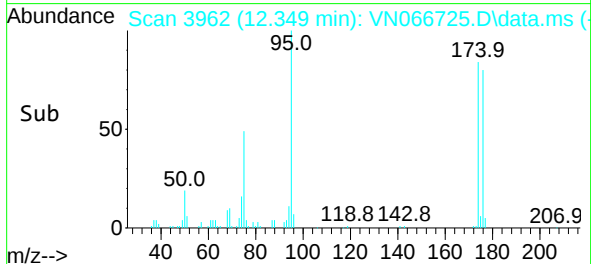
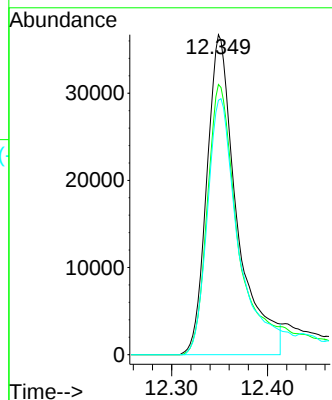
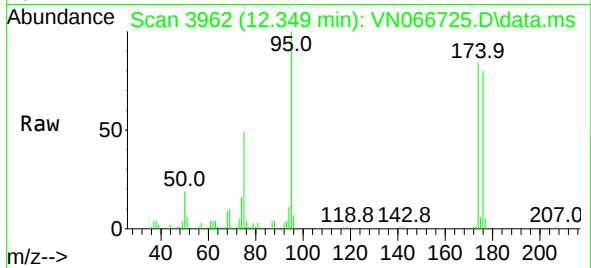




#60
4-Bromofluorobenzene
Concen: 21.63 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

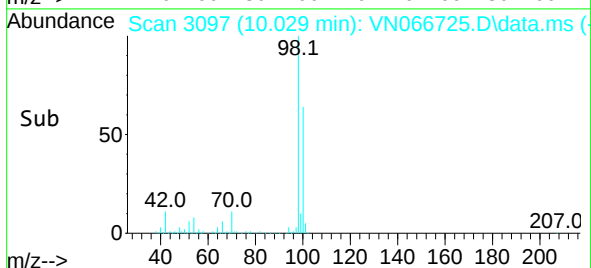
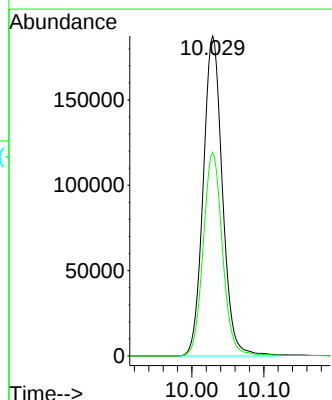
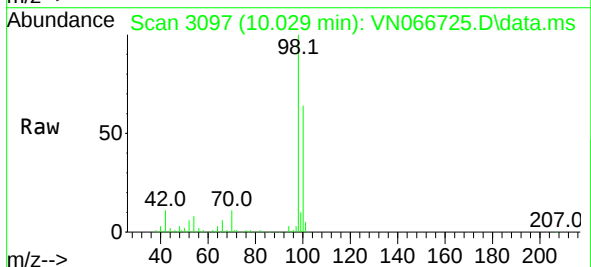
Instrument :
MSVOA_N
ClientSampleId :

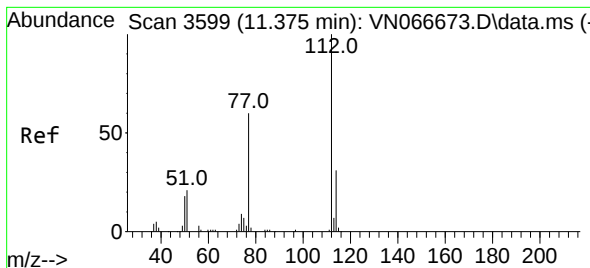
Tgt Ion: 95 Resp: 80018
Ion Ratio Lower Upper
95 100
174 85.8 68.1 102.1
176 85.3 65.4 98.0



#63
Toluene-d8
Concen: 32.11 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

Tgt Ion: 98 Resp: 348727
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7

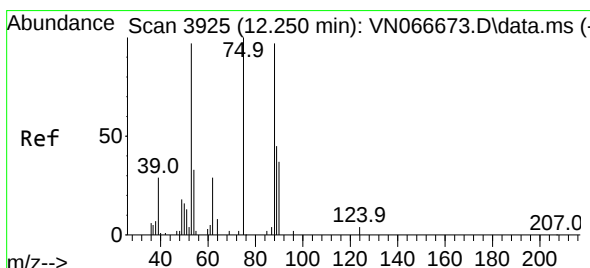
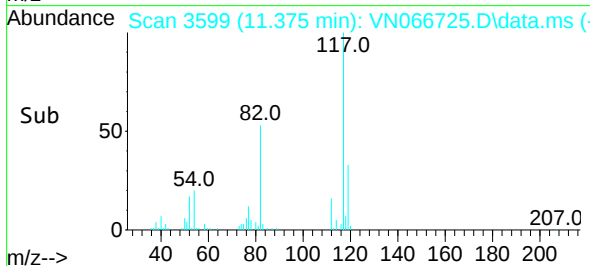
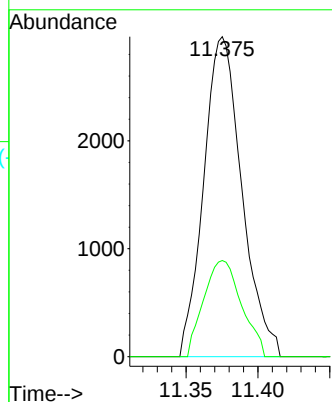
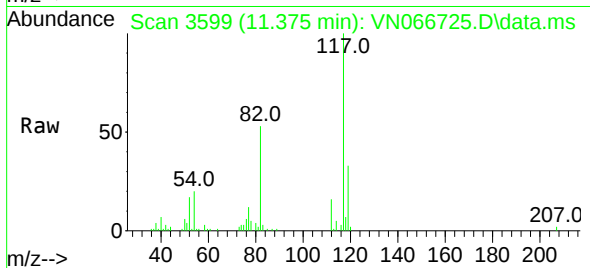




#64
Chlorobenzene
Concen: 0.68 ug/l
RT: 11.375 min Scan# 3599
Delta R.T. 0.000 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

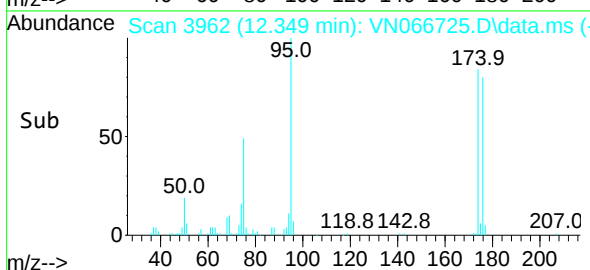
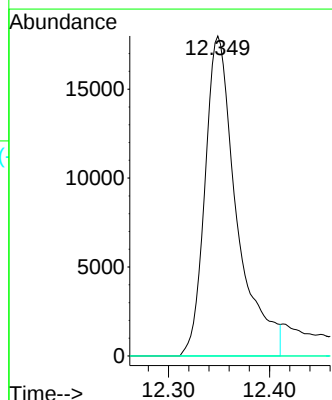
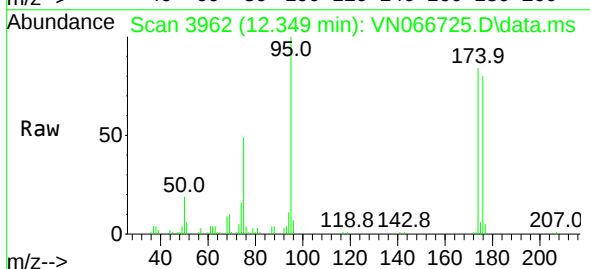
Instrument :
MSVOA_N
ClientSampled :

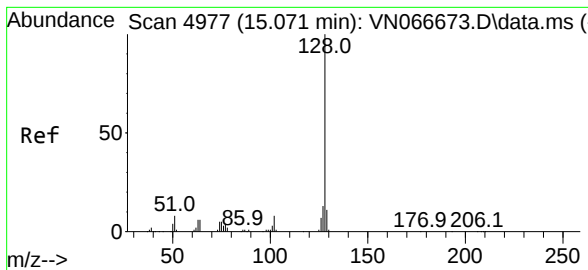
Tgt Ion:112 Resp: 5471
Ion Ratio Lower Upper
112 100
114 30.1 25.6 38.4



#77
t-1,4-Dichloro-2-butene
Concen: 31.80 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.099 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

Tgt Ion: 75 Resp: 39290
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 6.35 ug/l
RT: 15.079 min Scan# 4980
Delta R.T. 0.008 min
Lab File: VN066725.D
Acq: 22 Apr 2021 19:22

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.2	15.2
129	9.8	8.6	13.0

