

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067751.D
 Acq On : 14 Jul 2021 18:22
 Operator : JC/MD
 Sample : M3004-02RE 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWRE

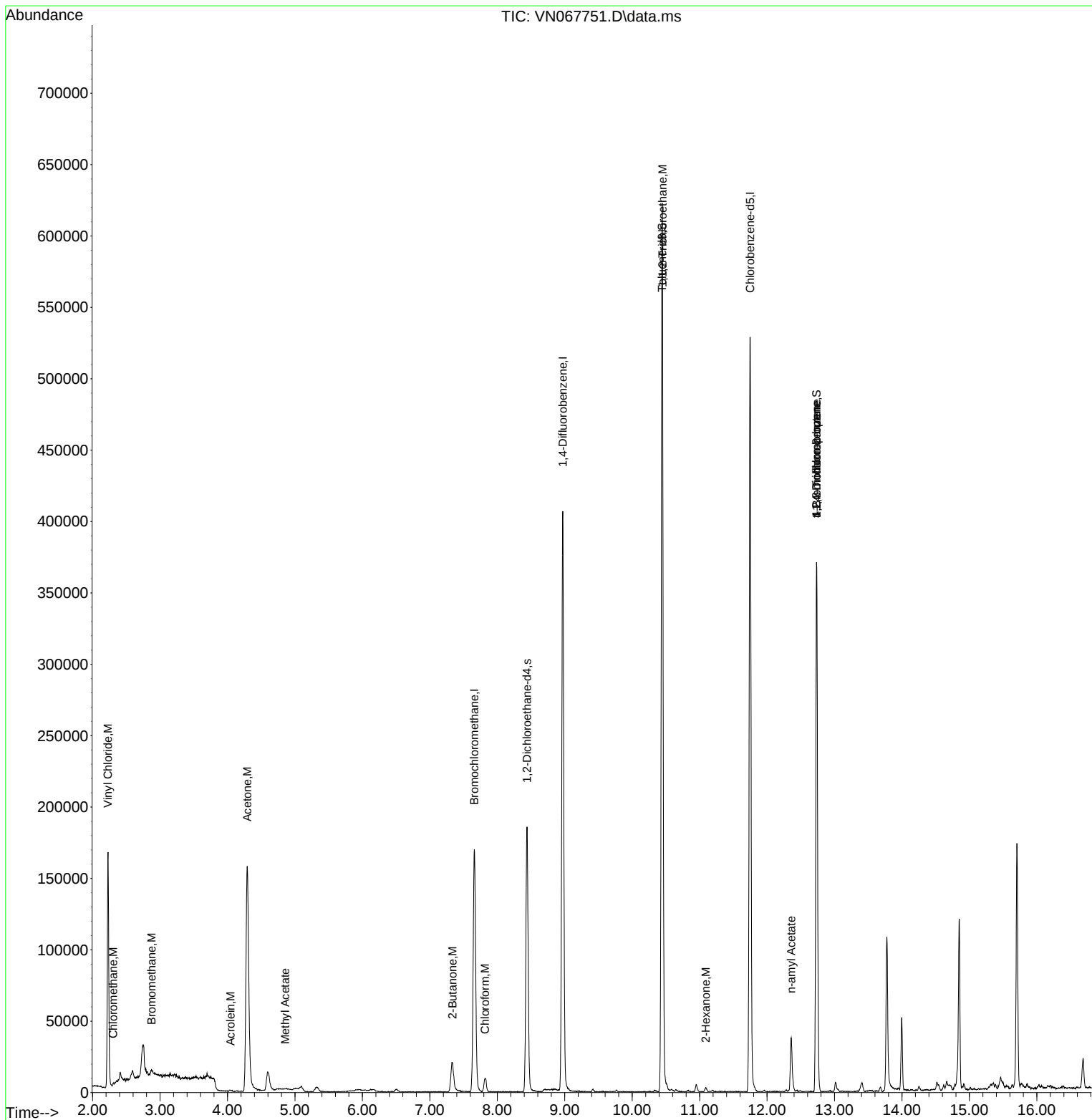
Quant Time: Jul 15 06:29:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

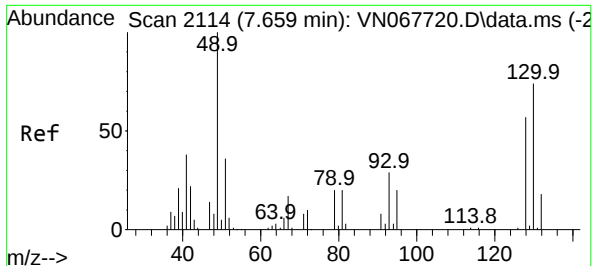
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.659	128	59014	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	347731	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	301878	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	160760	33.719	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.400%#
60) 4-Bromofluorobenzene	12.734	95	130431	26.605	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.667%
63) Toluene-d8	10.443	98	432599	31.156	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.867%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	879	0.233	ug/l	90
4) Vinyl Chloride	2.228	62	1844	0.315	ug/l #	1
5) Bromomethane	2.875	94	2811	0.576	ug/l #	76
12) Methyl Acetate	4.857	43	1041	0.266	ug/l #	51
13) Acrolein	4.044	56	580	1.417	ug/l #	47
15) Acetone	4.293	58	84657	198.771	ug/l	100
25) Chloroform	7.818	83	9704	1.329	ug/l	90
30) 2-Butanone	7.337	43	1036	0.410	ug/l #	94
47) n-amyl Acetate	12.358	43	28197	3.704	ug/l #	70
50) 1,1,2-Trichloroethane	10.451	97	16217	3.800	ug/l #	1
59) 2-Hexanone	11.090	43	1899	0.523	ug/l #	72
72) 1,2,3-Trichloropropane	12.734	75	75557	16.767	ug/l	1
77) t-1,4-Dichloro-2-butene	12.734	75	75557	49.684	ug/l #	4

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

Quant Time: Jul 15 06:29:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 14 01:19:19 2021
Response via : Initial Calibration

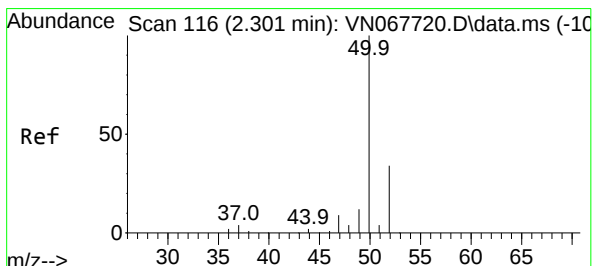
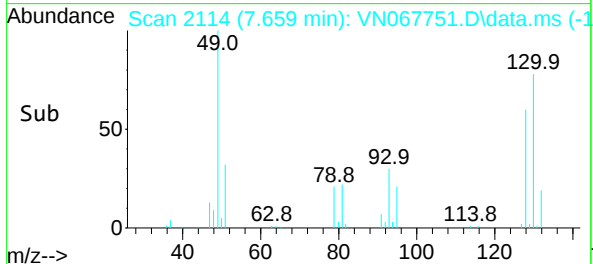
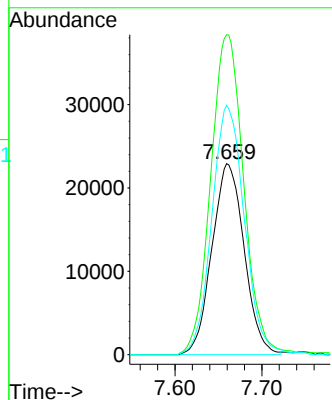
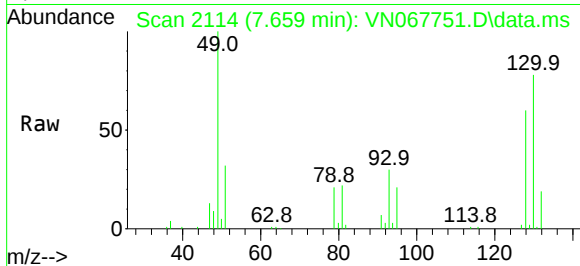




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

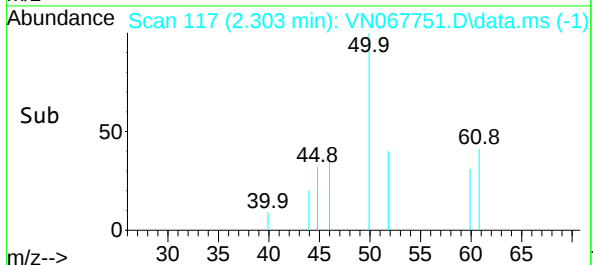
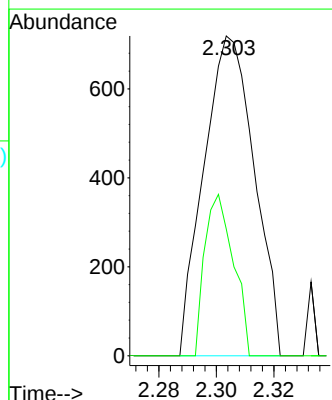
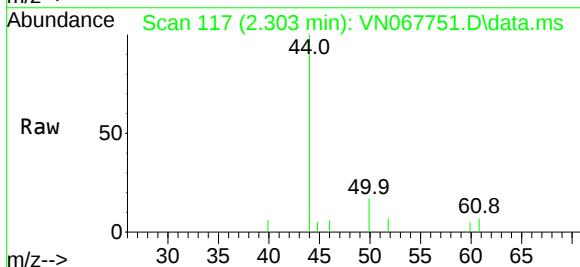
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWRE

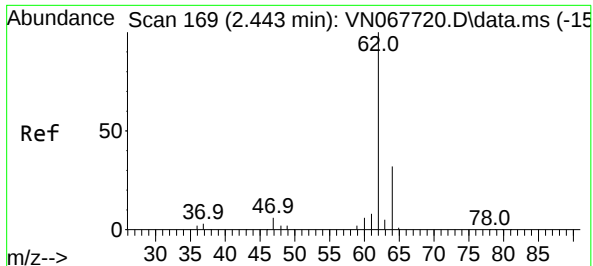
Tgt Ion:128 Resp: 59014
Ion Ratio Lower Upper
128 100
49 171.6 0.0 433.0
130 131.9 0.0 323.8



#3
Chloromethane
Concen: 0.233 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

Tgt Ion: 50 Resp: 879
Ion Ratio Lower Upper
50 100
52 39.6 27.2 40.8

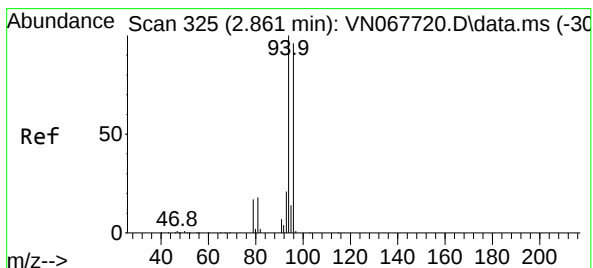
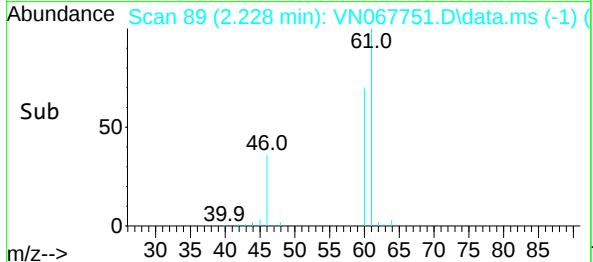
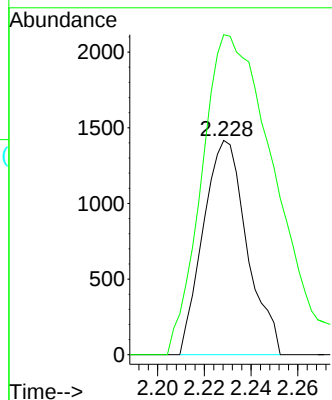
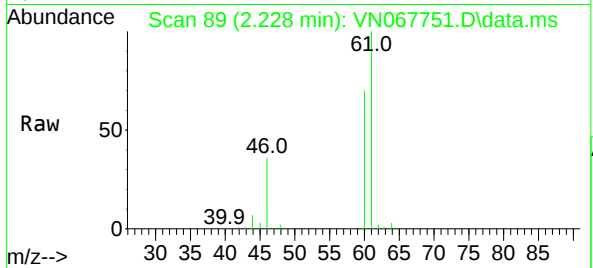




#4
 Vinyl Chloride
 Concen: 0.315 ug/l
 RT: 2.228 min Scan# 89
 Delta R.T. -0.215 min
 Lab File: VN067751.D
 Acq: 14 Jul 2021 18:22

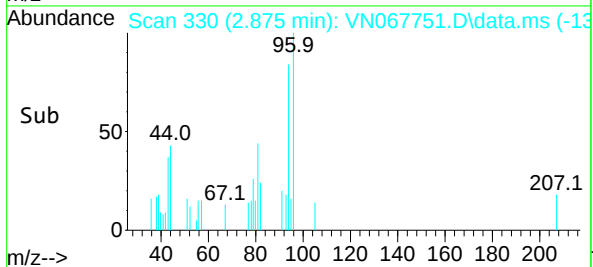
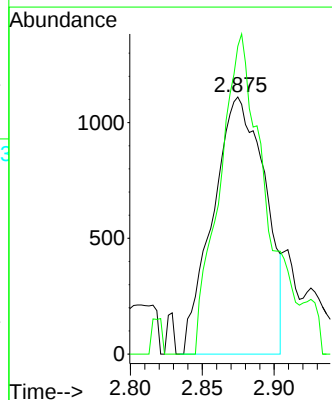
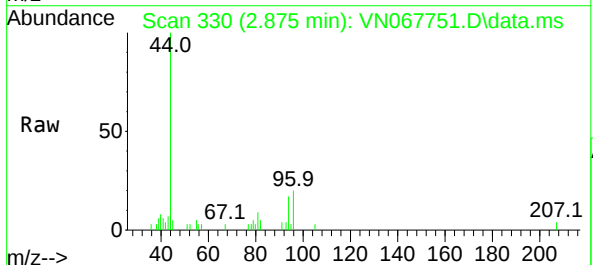
Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWRE

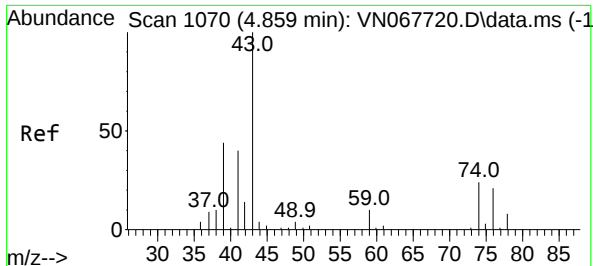
Tgt Ion: 62 Resp: 1844
 Ion Ratio Lower Upper
 62 100
 64 130.2 25.9 38.9#



#5
 Bromomethane
 Concen: 0.576 ug/l
 RT: 2.875 min Scan# 330
 Delta R.T. 0.013 min
 Lab File: VN067751.D
 Acq: 14 Jul 2021 18:22

Tgt Ion: 94 Resp: 2811
 Ion Ratio Lower Upper
 94 100
 96 119.7 76.9 115.3#





#12

Methyl Acetate

Concen: 0.266 ug/l

RT: 4.857 min Scan# 1069

Delta R.T. -0.003 min

Lab File: VN067751.D

Acq: 14 Jul 2021 18:22

Tgt Ion: 43 Resp: 1041

Ion Ratio Lower Upper

43 100

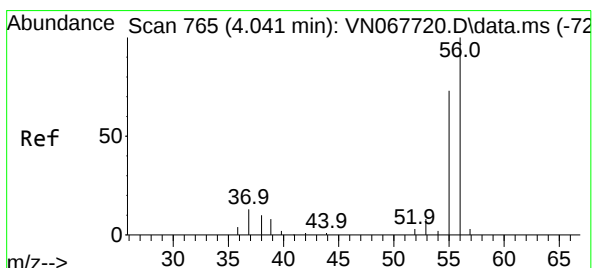
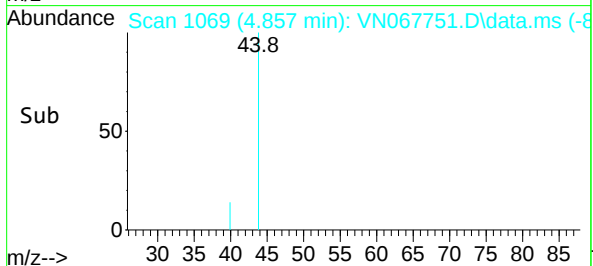
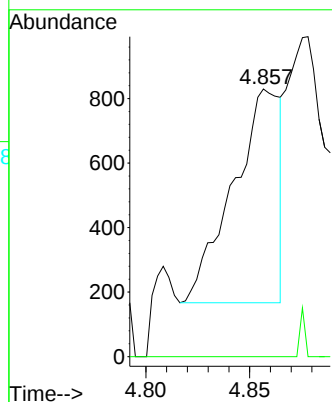
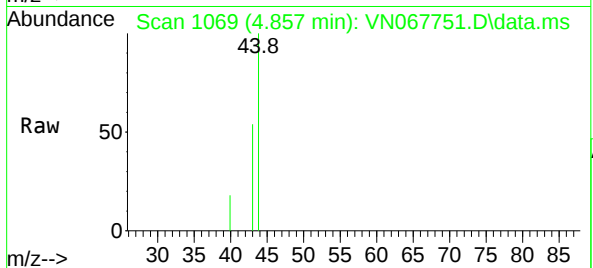
74 0.0 19.8 29.6#

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWRE



#13

Acrolein

Concen: 1.417 ug/l

RT: 4.044 min Scan# 766

Delta R.T. 0.003 min

Lab File: VN067751.D

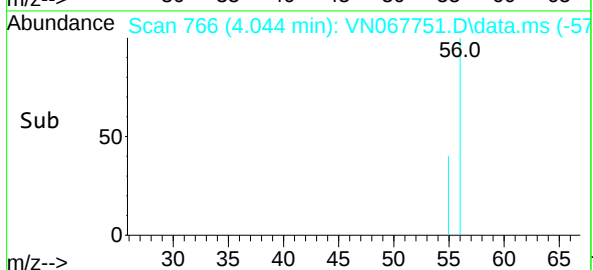
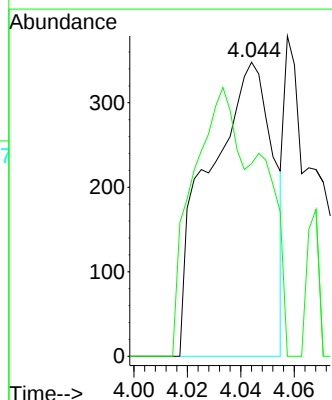
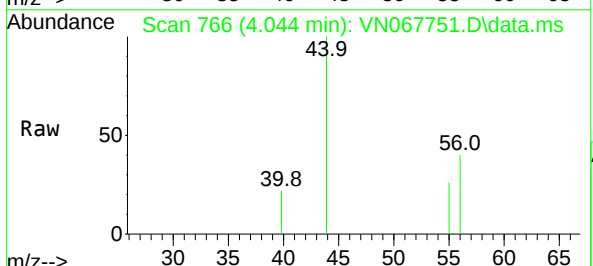
Acq: 14 Jul 2021 18:22

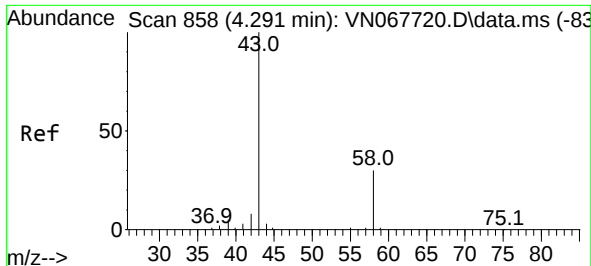
Tgt Ion: 56 Resp: 580

Ion Ratio Lower Upper

56 100

55 67.8 0.2 0.2#

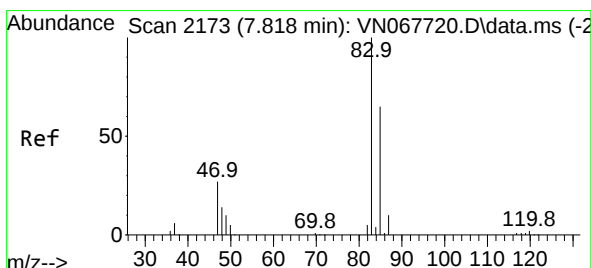
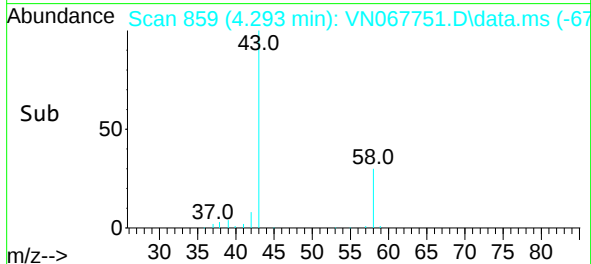
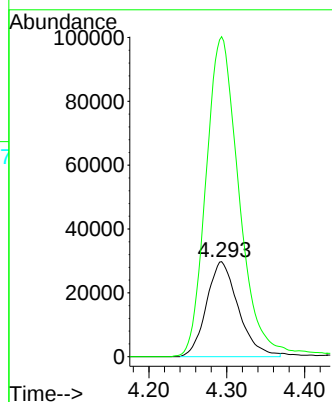
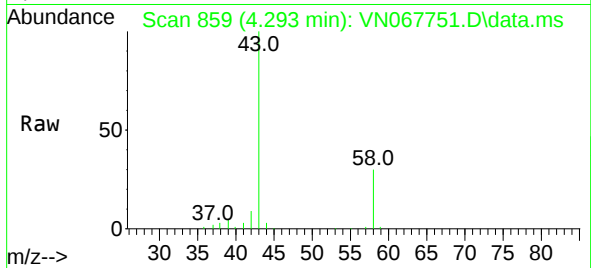




#15
Acetone
Concen: 198.771 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

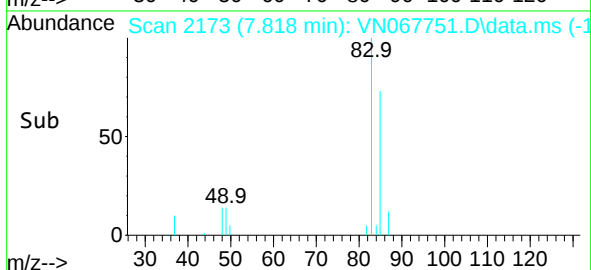
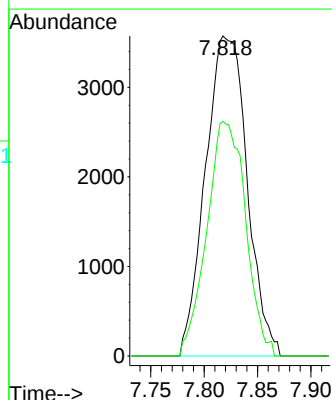
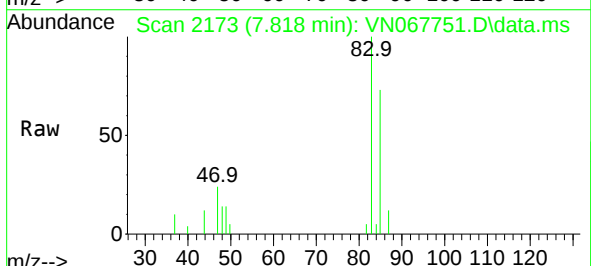
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWRE

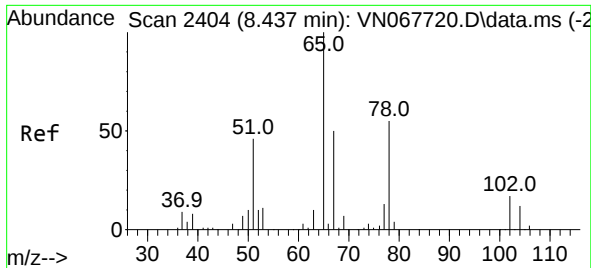
Tgt Ion: 58 Resp: 84657
Ion Ratio Lower Upper
58 100
43 335.1 268.2 402.4



#25
Chloroform
Concen: 1.329 ug/l
RT: 7.818 min Scan# 2173
Delta R.T. -0.000 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

Tgt Ion: 83 Resp: 9704
Ion Ratio Lower Upper
83 100
85 73.3 52.3 78.5



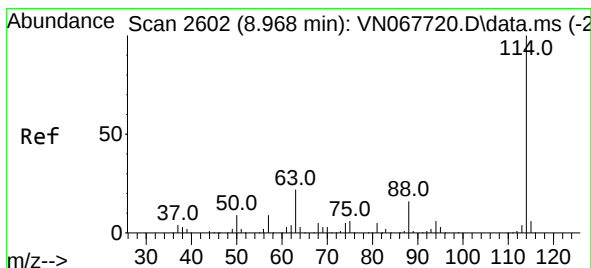
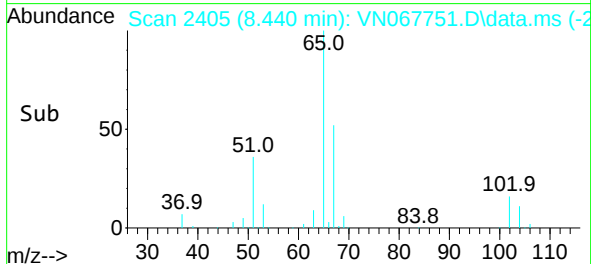
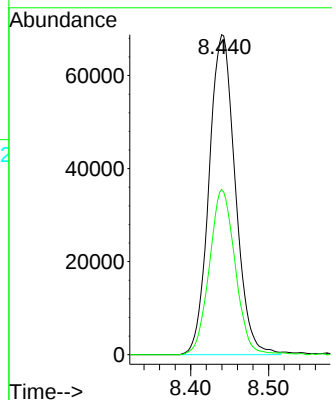
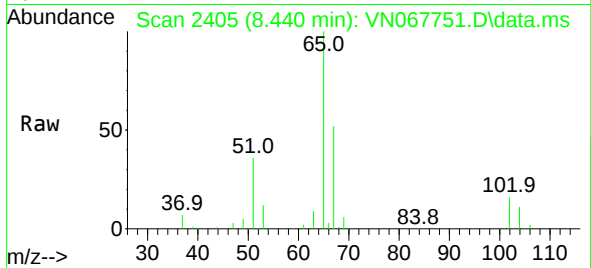


#27

1,2-Dichloroethane-d4
Concen: 33.719 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

Instrument :
MSVOA_N
ClientSampled :
EFF-WWRE

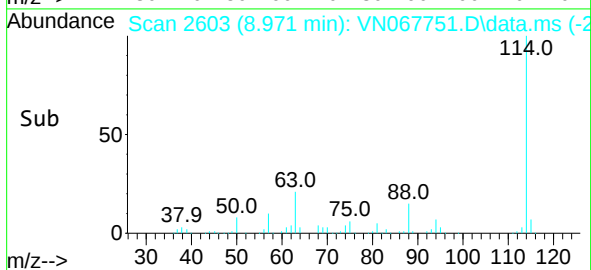
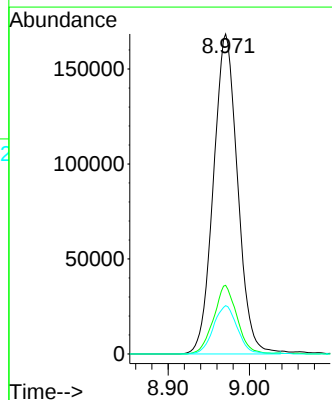
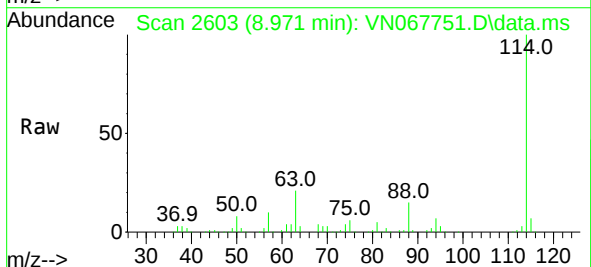
Tgt Ion: 65 Resp: 160760
Ion Ratio Lower Upper
65 100
67 50.7 40.6 60.8

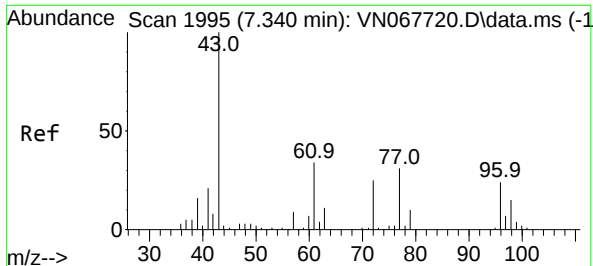


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

Tgt Ion: 114 Resp: 347731
Ion Ratio Lower Upper
114 100
63 20.8 17.2 25.8
88 15.0 12.4 18.6

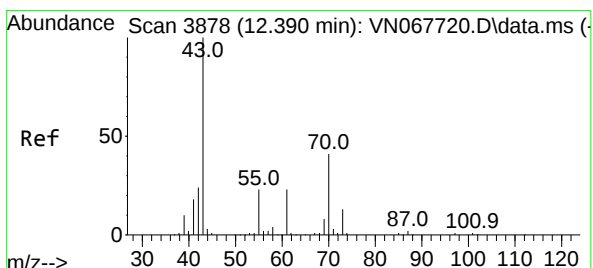
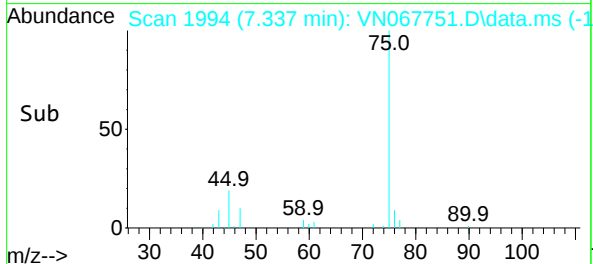
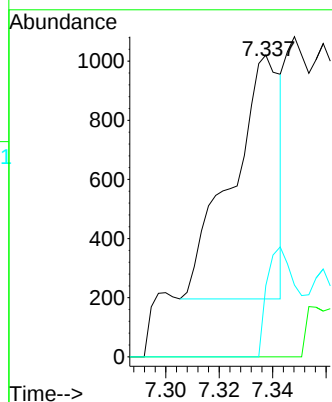
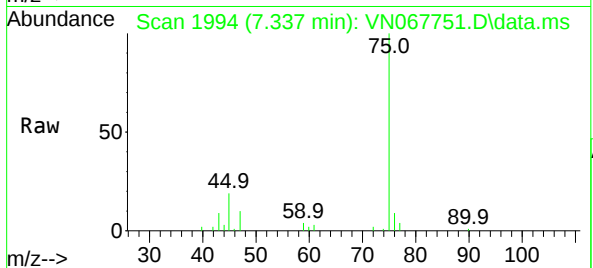




#30
2-Butanone
Concen: 0.410 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. -0.003 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

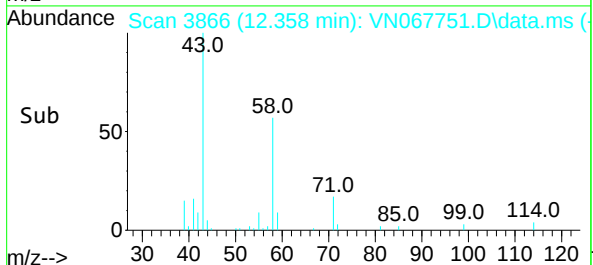
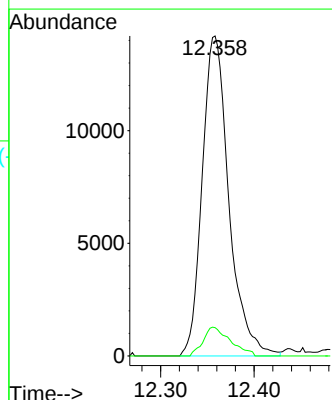
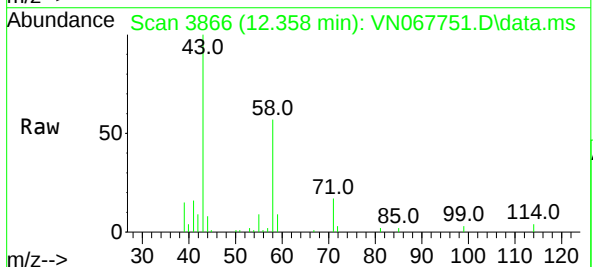
Instrument :
MSVOA_N
ClientSampled :
EFF-WWRE

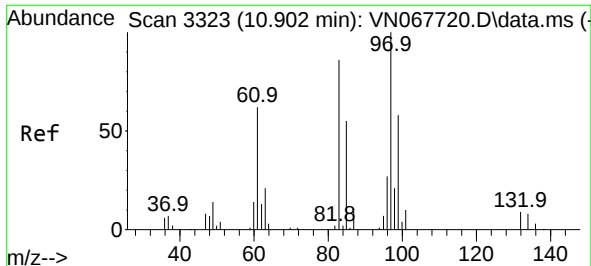
Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
57 0.0 6.6 9.8#
72 26.7 21.8 32.6



#47
n-amy1 Acetate
Concen: 3.704 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.032 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

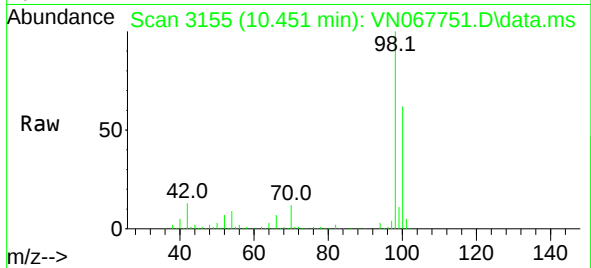
Tgt Ion: 43 Resp: 28197
Ion Ratio Lower Upper
43 100
55 9.2 19.0 28.6#



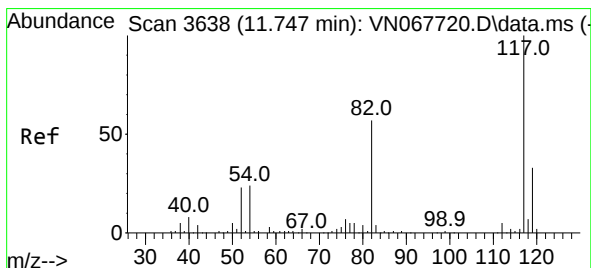
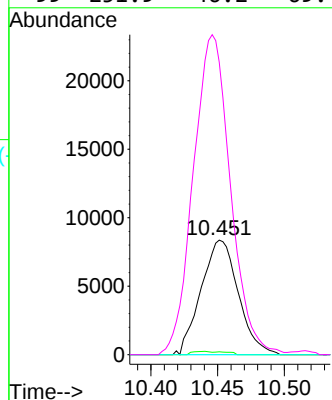
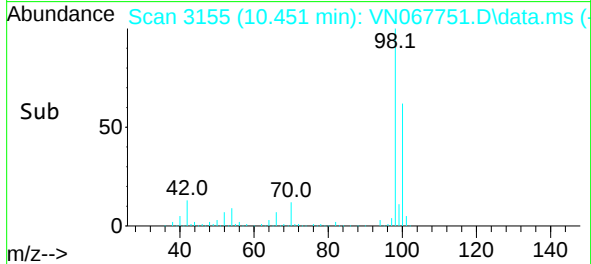


#50
1,1,2-Trichloroethane
Concen: 3.800 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.451 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

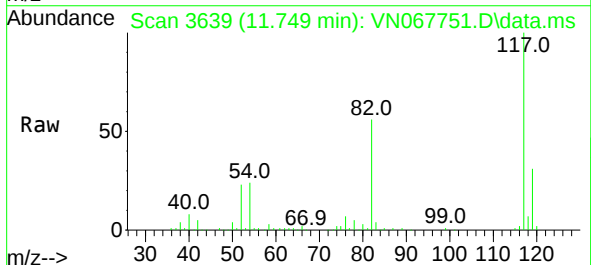
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWRE



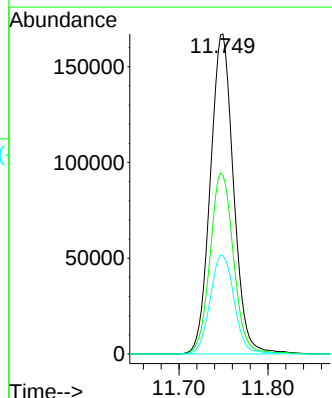
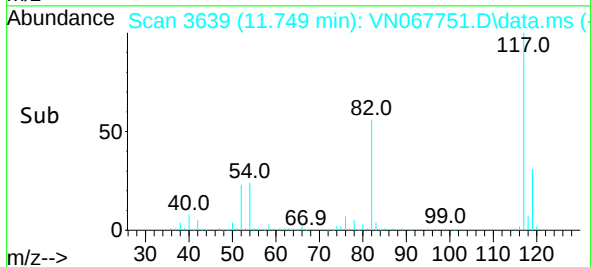
Tgt Ion:	97	Resp:	16217
Ion	Ratio	Lower	Upper
97	100		
83	2.4	69.0	103.4#
85	0.0	43.8	65.8#
99	251.9	46.2	69.4#

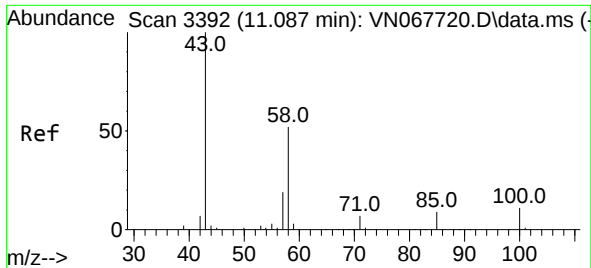


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22



Tgt Ion:	117	Resp:	301878
Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.4	68.0
119	32.1	25.7	38.5

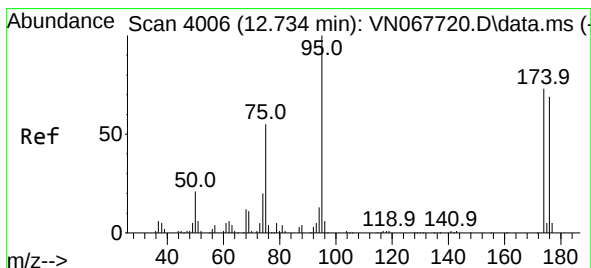
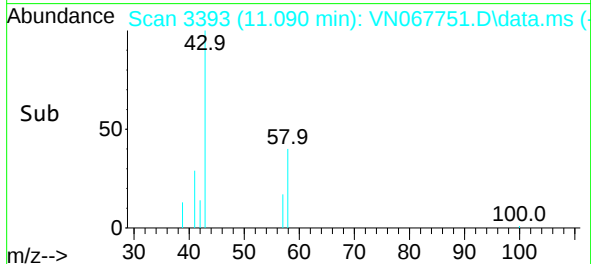
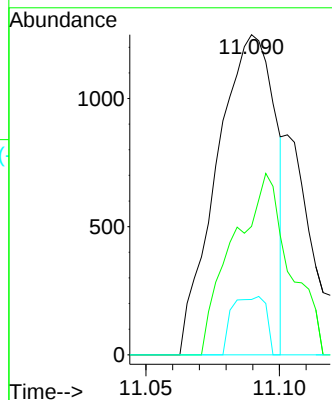
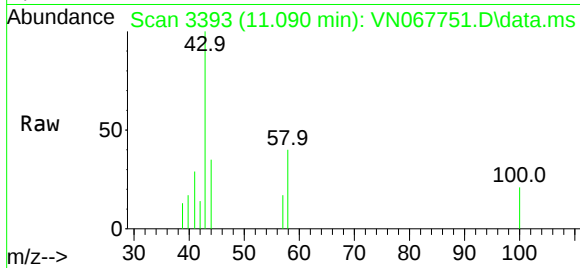




#59
2-Hexanone
Concen: 0.523 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

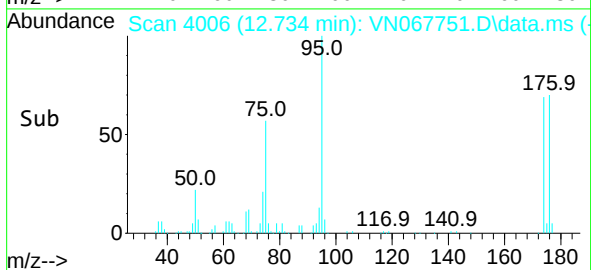
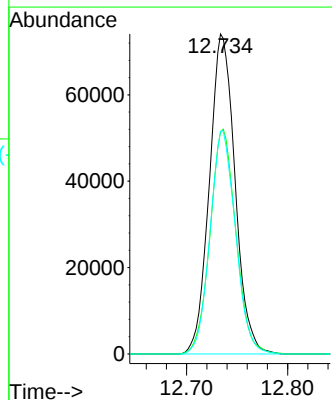
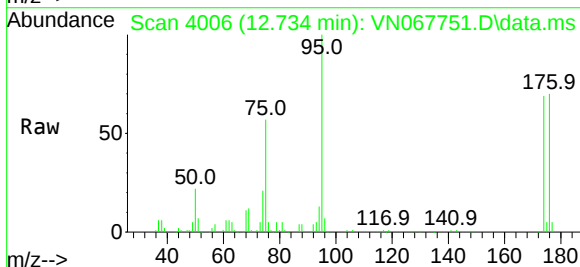
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWRE

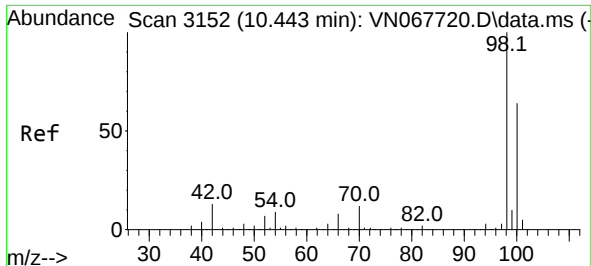
Tgt Ion: 43 Resp: 1899
Ion Ratio Lower Upper
43 100
58 36.1 41.5 62.3#
57 0.0 15.1 22.7#



#60
4-Bromofluorobenzene
Concen: 26.605 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

Tgt Ion: 95 Resp: 130431
Ion Ratio Lower Upper
95 100
174 70.8 57.1 85.7
176 69.5 54.6 81.8

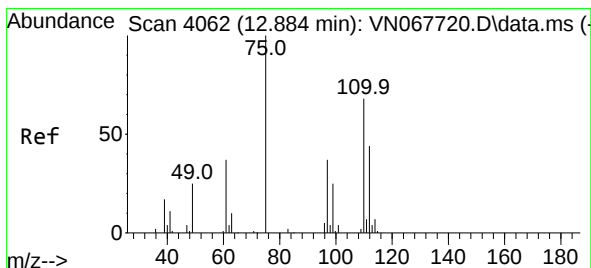
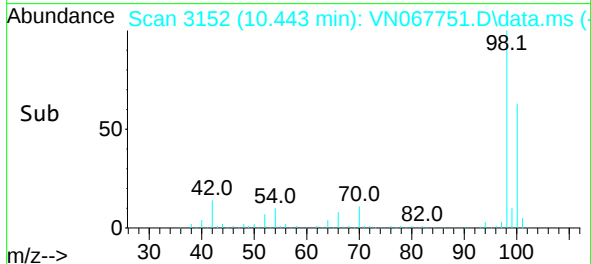
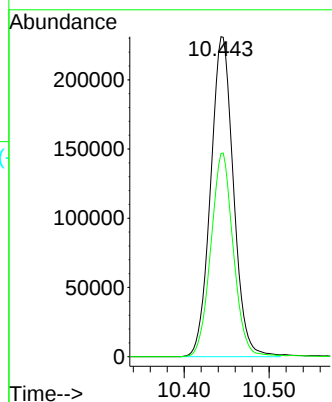
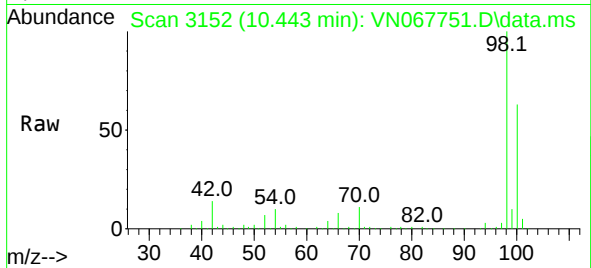




#63
Toluene-d8
Concen: 31.156 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

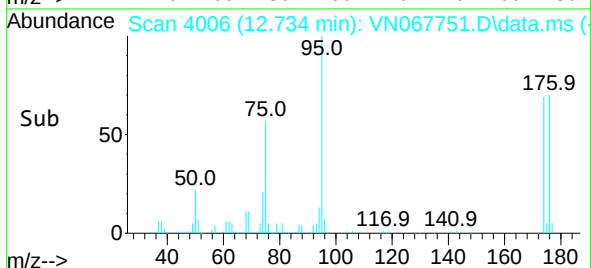
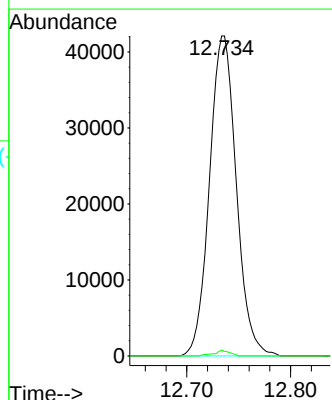
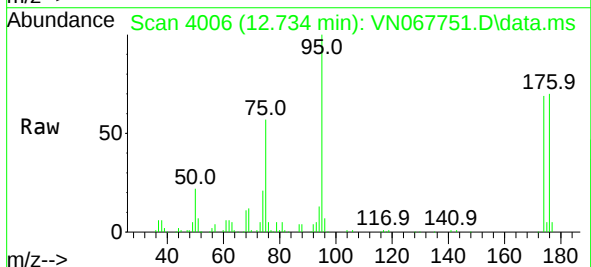
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWRE

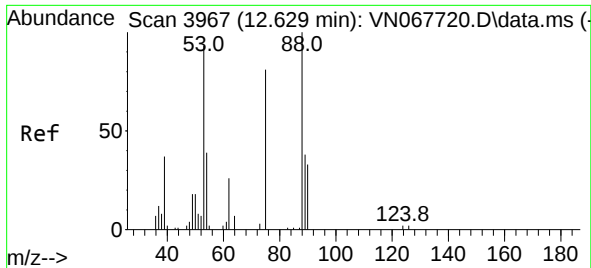
Tgt Ion: 98 Resp: 432599
Ion Ratio Lower Upper
98 100
100 62.5 51.0 76.4



#72
1,2,3-Trichloropropane
Concen: 16.767 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067751.D
Acq: 14 Jul 2021 18:22

Tgt Ion: 75 Resp: 75557
Ion Ratio Lower Upper
75 100
77 1.0 0.0 365.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 49.684 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN067751.D
 Acq: 14 Jul 2021 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWRE

Tgt Ion: 75 Resp: 75557
 Ion Ratio Lower Upper
 75 100
 53 0.0 57.0 171.0#
 89 0.0 24.7 74.1#

