

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067746.D
 Acq On : 14 Jul 2021 16:25
 Operator : JC/MD
 Sample : M2960-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 14 17:16:46 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)

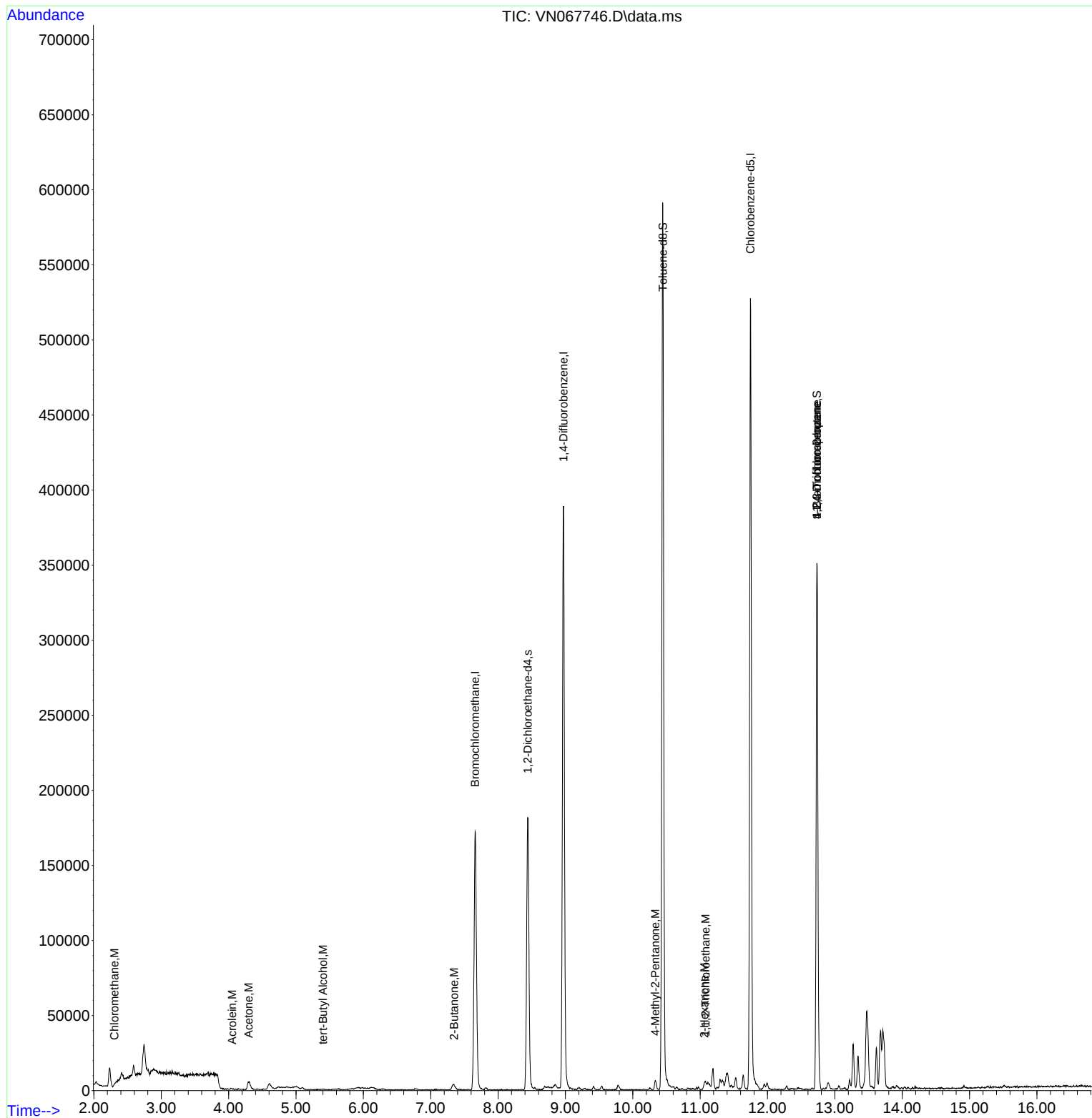
Internal Standards						
1) Bromochloromethane	7.659	128	58011	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	336196	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	301474	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	155700	33.222	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.733%#
60) 4-Bromofluorobenzene	12.734	95	122225	24.964	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.200%
63) Toluene-d8	10.446	98	414481	29.891	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.633%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	767	0.207	ug/l #	79
13) Acrolein	4.052	56	119	0.296	ug/l #	55
15) Acetone	4.296	58	167	0.399	ug/l #	1
23) tert-Butyl Alcohol	5.398	59	607	0.975	ug/l #	100
30) 2-Butanone	7.346	43	650	0.266	ug/l #	80
50) 1,1,2-Trichloroethane	11.079	97	975	0.236	ug/l #	28
58) 4-Methyl-2-Pentanone	10.336	43	4569	0.883	ug/l	94
59) 2-Hexanone	11.063	43	2956	0.814	ug/l #	54
72) 1,2,3-Trichloropropane	12.734	75	70702	15.711	ug/l	1
77) t-1,4-Dichloro-2-butene	12.734	75	70702	46.553	ug/l #	4

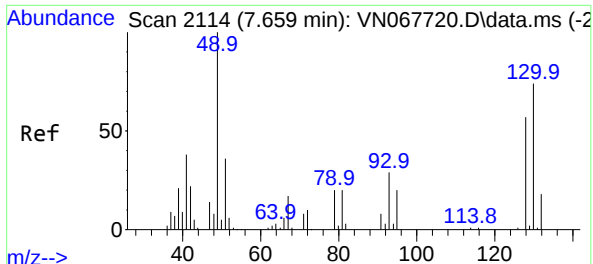
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
Data File : VN067746.D
Acq On : 14 Jul 2021 16:25
Operator : JC/MD
Sample : M2960-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 14 17:16:46 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

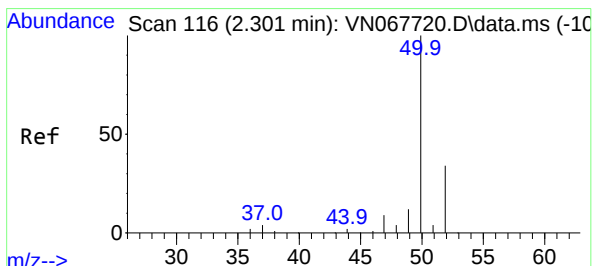
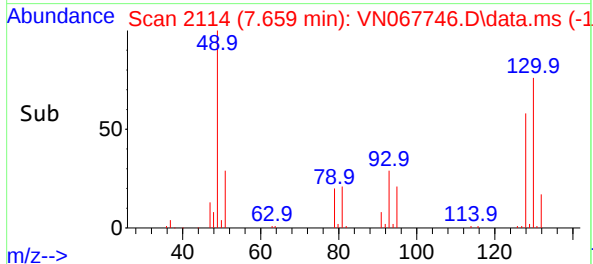
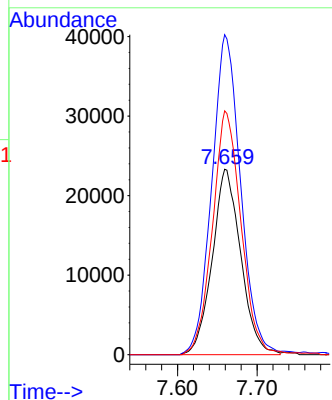
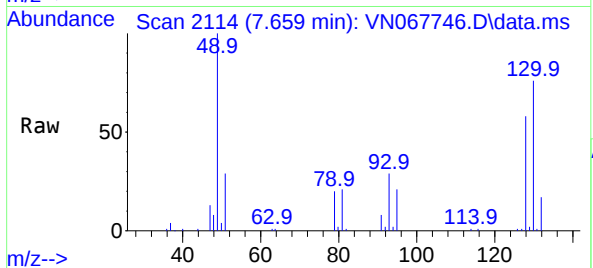




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

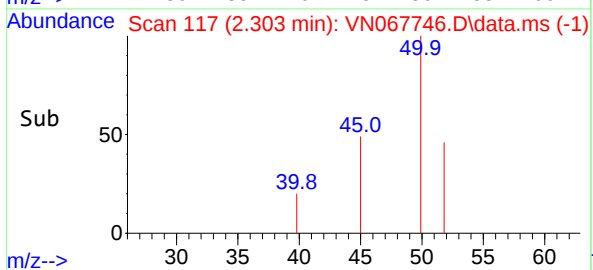
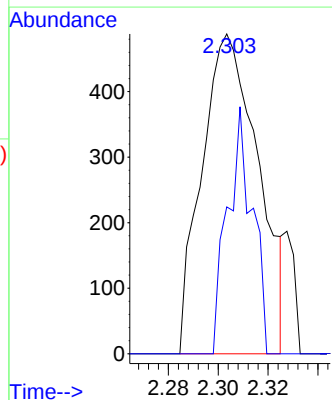
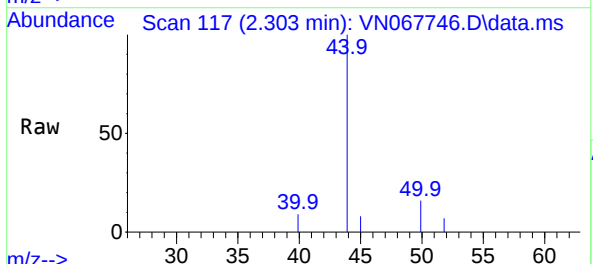
Instrument :
MSVOA_N
ClientSampled :

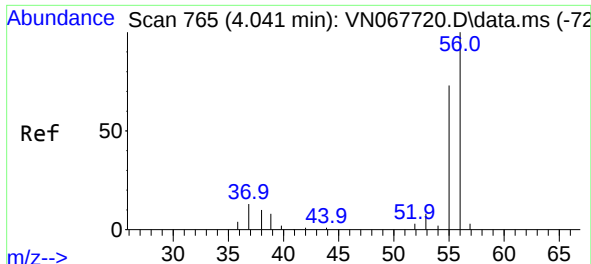
Tgt Ion:	128	Resp:	58011
Ion Ratio	Lower	Upper	
128	100		
49	173.9	0.0	433.0
130	131.6	0.0	323.8



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

Tgt Ion:	50	Resp:	767
Ion Ratio	Lower	Upper	
50	100		
52	45.9	27.2	40.8#

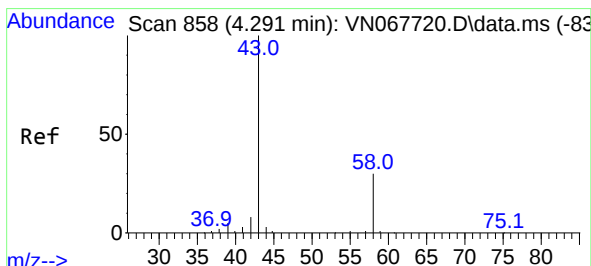
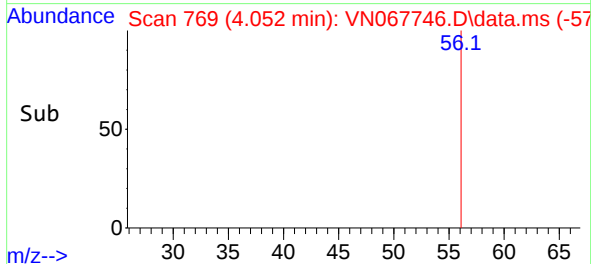
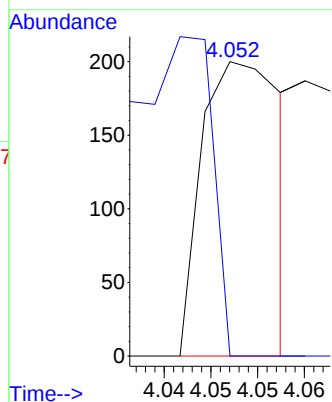
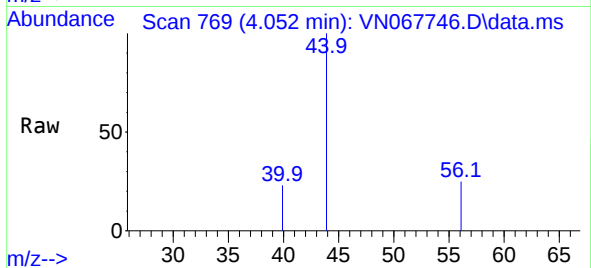




#13
Acrolein
Concen: 0.296 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

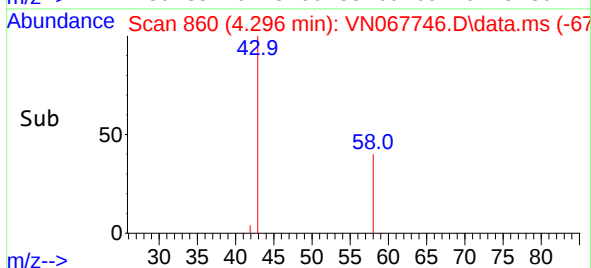
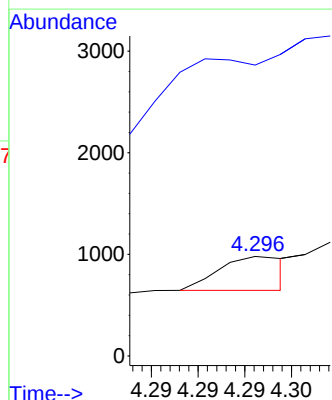
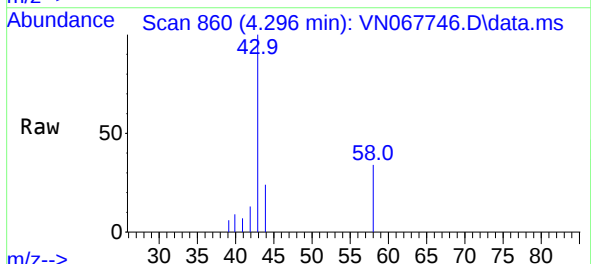
Instrument :
MSVOA_N
ClientSampled :

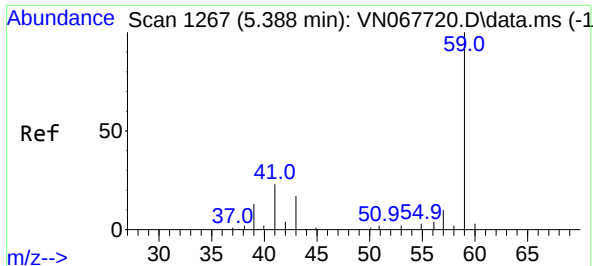
Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 58.0 0.2 0.2#



#15
Acetone
Concen: 0.399 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

Tgt Ion: 58 Resp: 167
Ion Ratio Lower Upper
58 100
43 21.3 268.2 402.4#

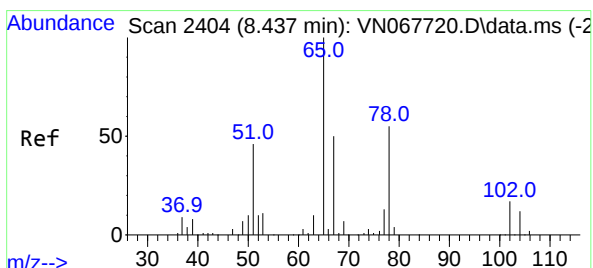
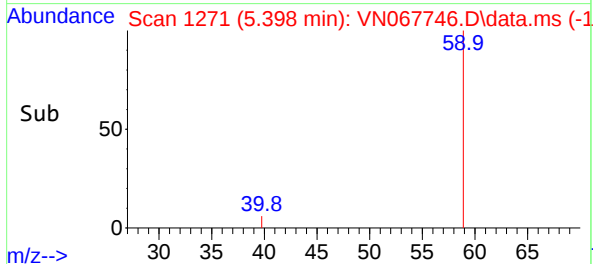
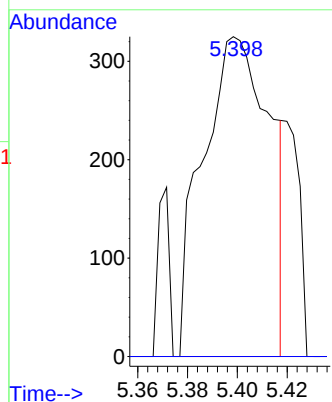
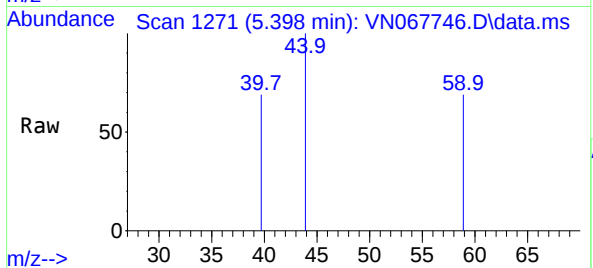




#23
tert-Butyl Alcohol
Concen: 0.975 ug/l
RT: 5.398 min Scan# 1271
Delta R.T. 0.011 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

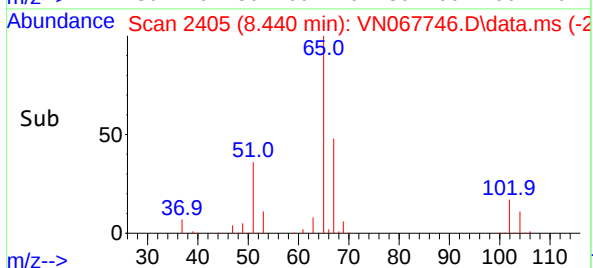
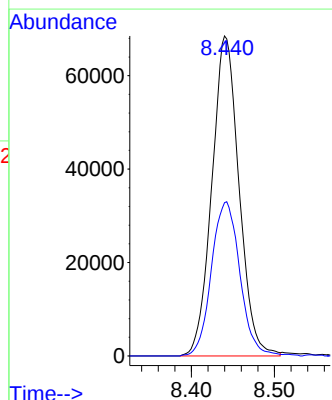
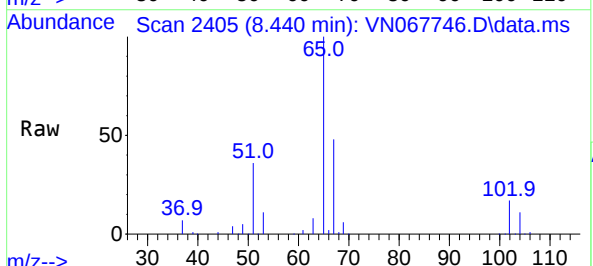
Instrument :
MSVOA_N
ClientSampled :

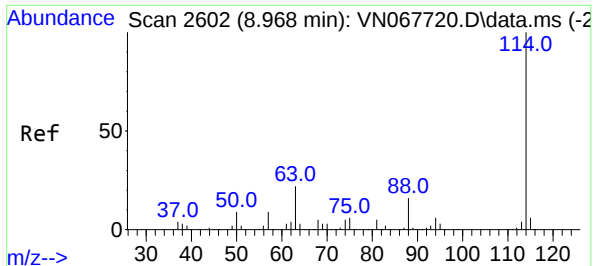
Tgt Ion: 59 Resp: 607
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 33.222 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

Tgt Ion: 65 Resp: 155700
Ion Ratio Lower Upper
65 100
67 50.4 40.6 60.8

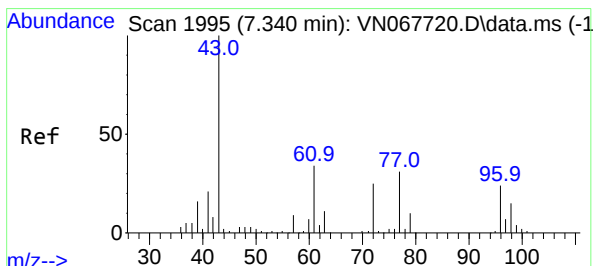
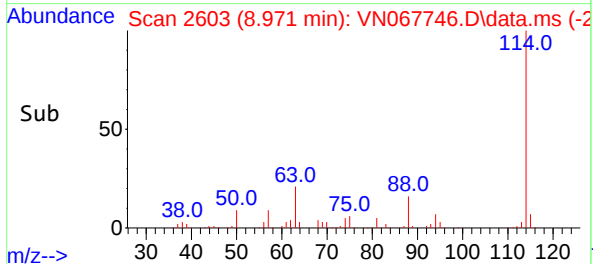
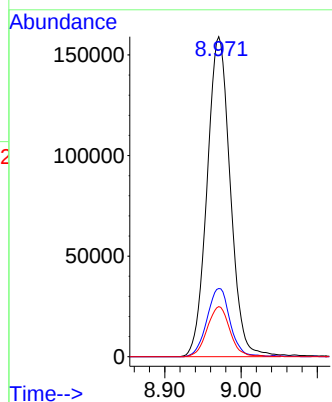
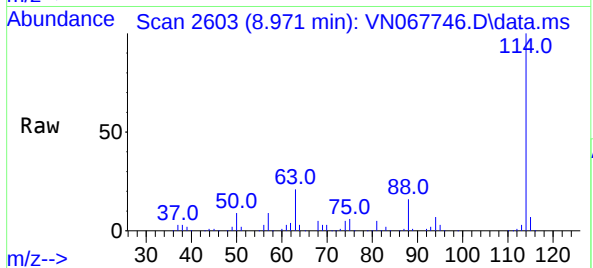




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

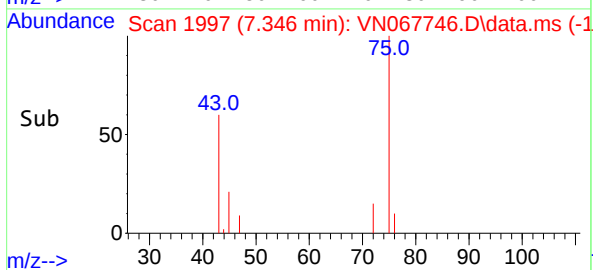
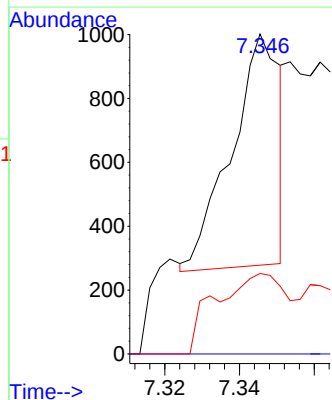
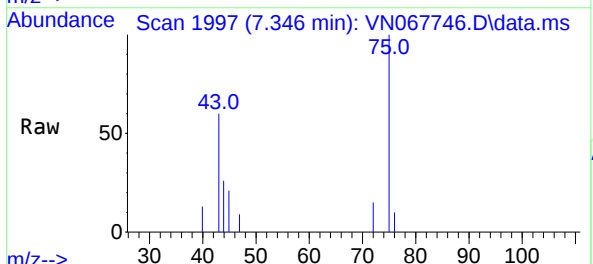
Instrument :
MSVOA_N
ClientSampled :

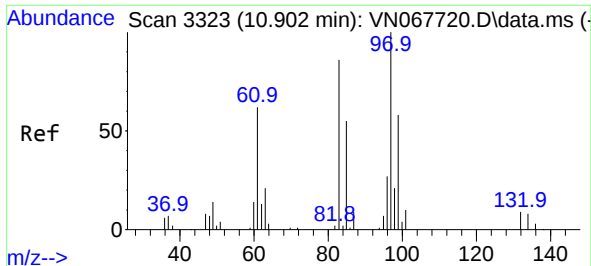
Tgt Ion:114 Resp: 336196
Ion Ratio Lower Upper
114 100
63 21.3 17.2 25.8
88 15.2 12.4 18.6



#30
2-Butanone
Concen: 0.266 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
57 0.0 6.6 9.8#
72 37.1 21.8 32.6#

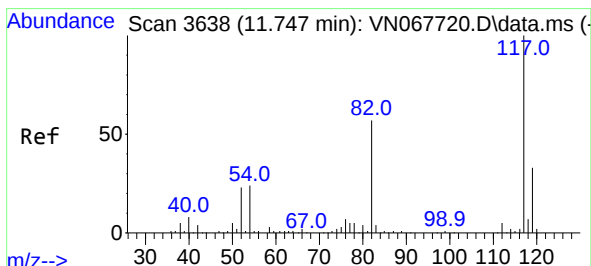
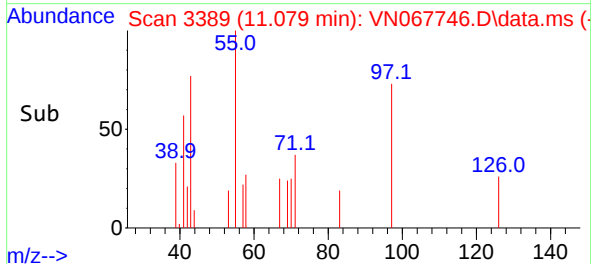
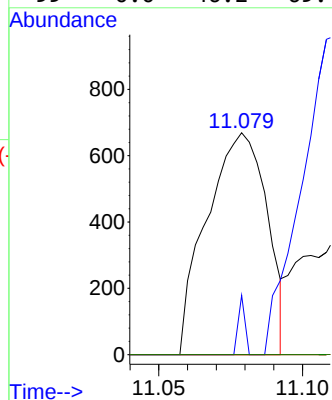
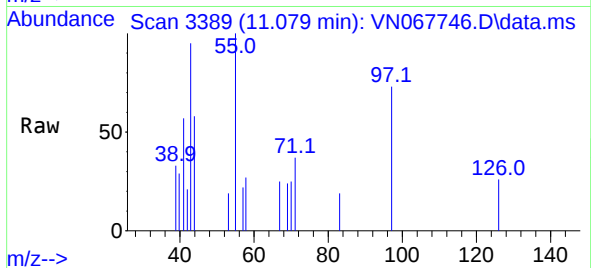




#50
1,1,2-Trichloroethane
Concen: 0.236 ug/l
RT: 11.079 min Scan# 3389
Delta R.T. 0.177 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

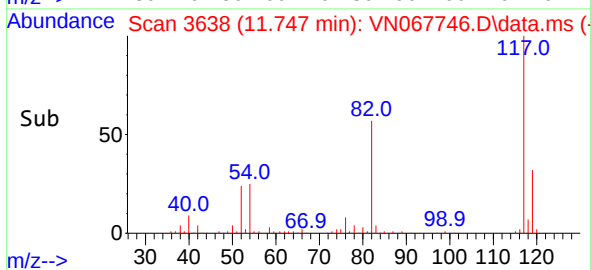
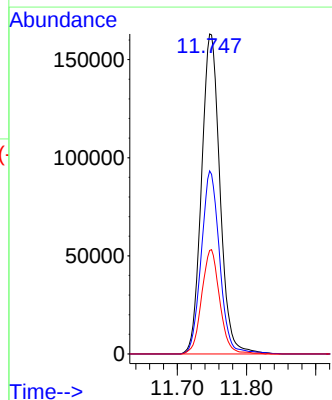
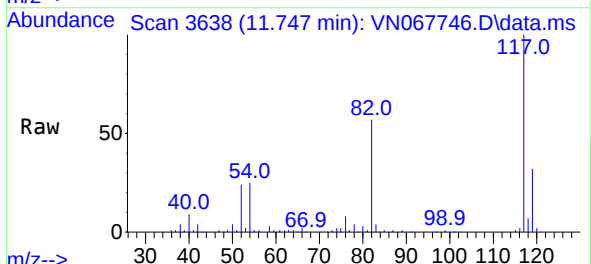
Instrument :
MSVOA_N
ClientSampled :

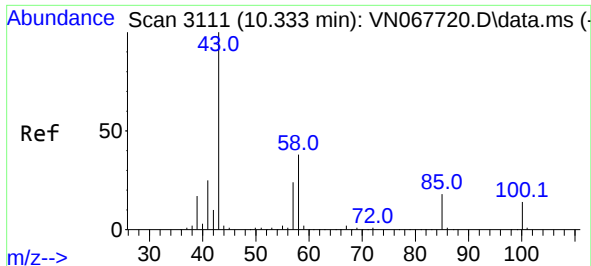
Tgt Ion:	97	Resp:	975
Ion	Ratio	Lower	Upper
97	100		
83	26.8	69.0	103.4#
85	0.0	43.8	65.8#
99	0.0	46.2	69.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

Tgt Ion:	117	Resp:	301474
Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.4	68.0
119	32.0	25.7	38.5

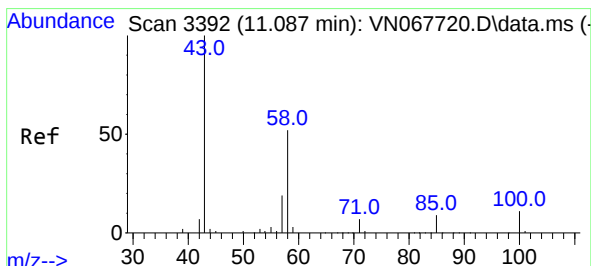
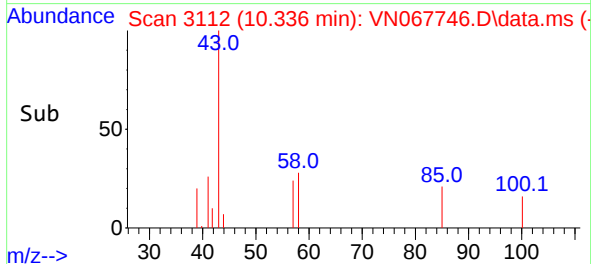
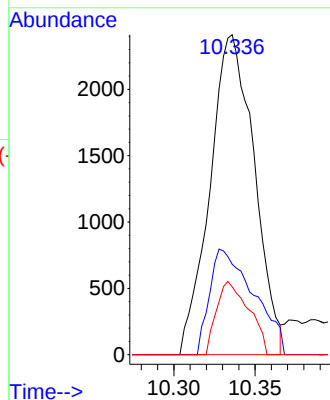
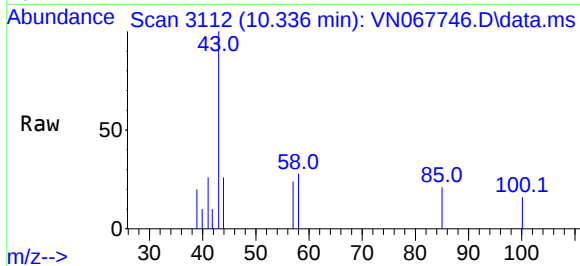




#58
4-Methyl-2-Pentanone
Concen: 0.883 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

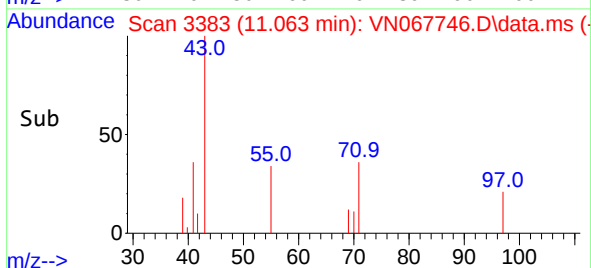
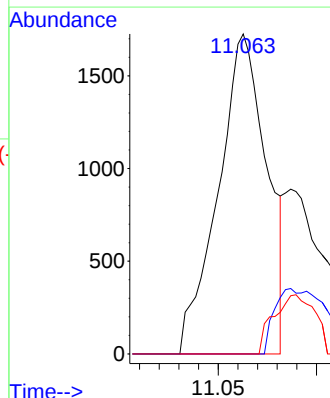
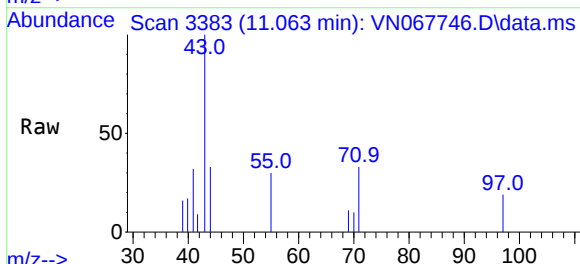
Instrument :
MSVOA_N
ClientSampled :

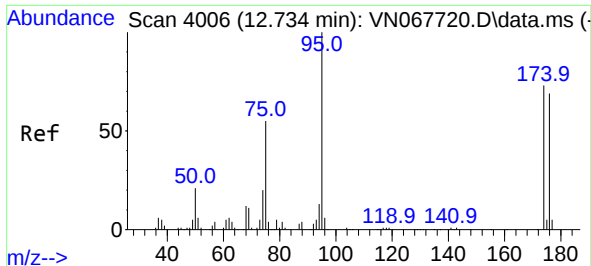
Tgt Ion:	43	Resp:	4569
Ion	Ratio	Lower	Upper
43	100		
58	32.8	29.9	44.9
85	16.7	14.1	21.1



#59
2-Hexanone
Concen: 0.814 ug/l
RT: 11.063 min Scan# 3383
Delta R.T. -0.024 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

Tgt Ion:	43	Resp:	2956
Ion	Ratio	Lower	Upper
43	100		
58	9.6	41.5	62.3#
57	15.7	15.1	22.7

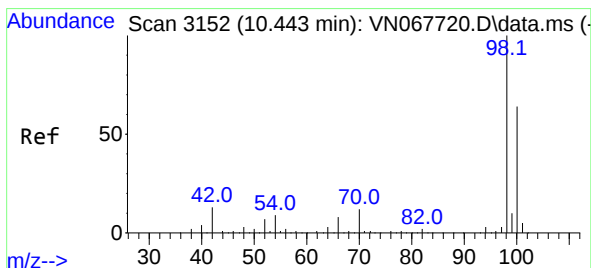
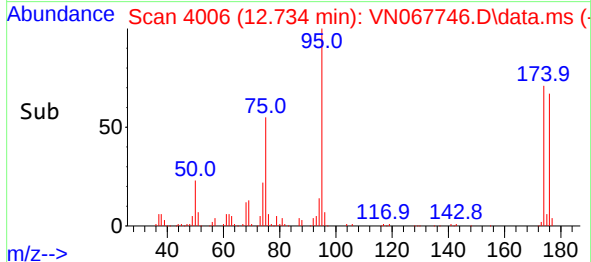
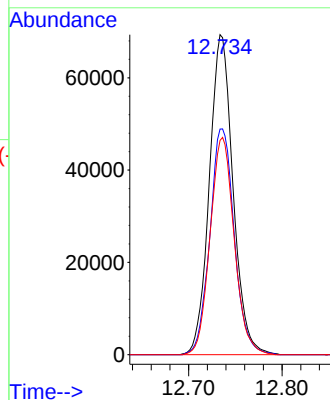
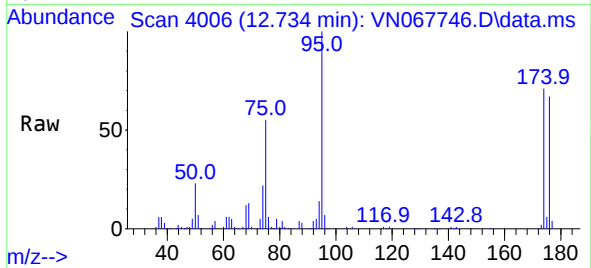




#60
4-Bromofluorobenzene
Concen: 24.964 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

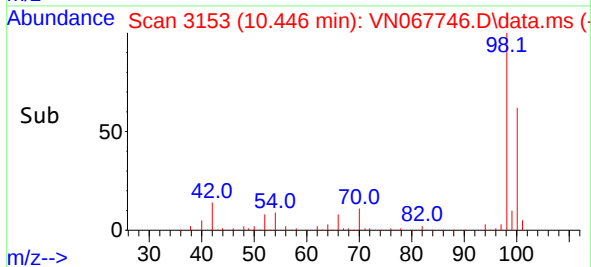
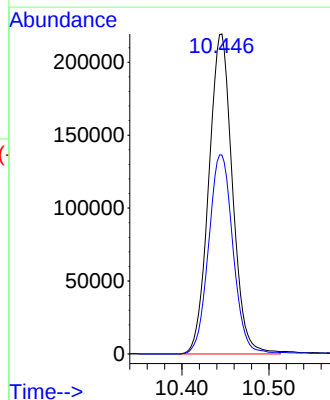
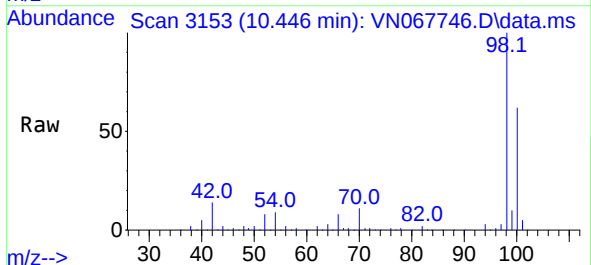
Instrument :
MSVOA_N
ClientSampled :

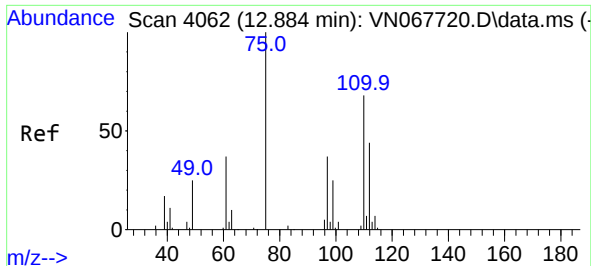
Tgt Ion: 95 Resp: 122225
Ion Ratio Lower Upper
95 100
174 72.8 57.1 85.7
176 69.2 54.6 81.8



#63
Toluene-d8
Concen: 29.891 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

Tgt Ion: 98 Resp: 414481
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.4

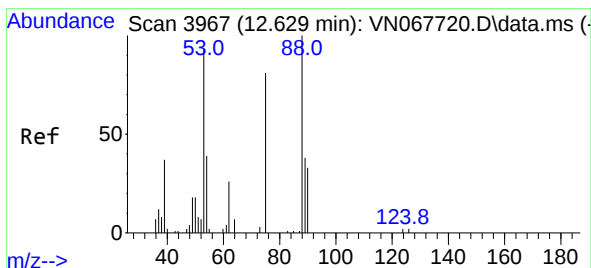
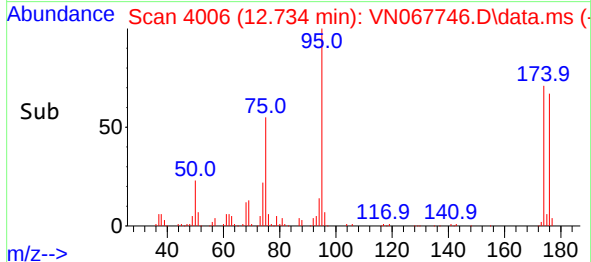
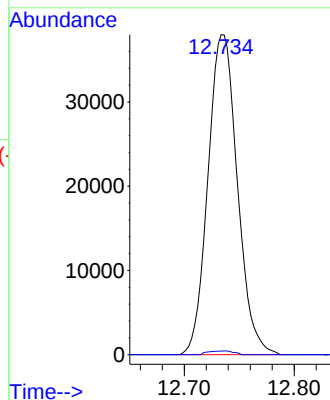
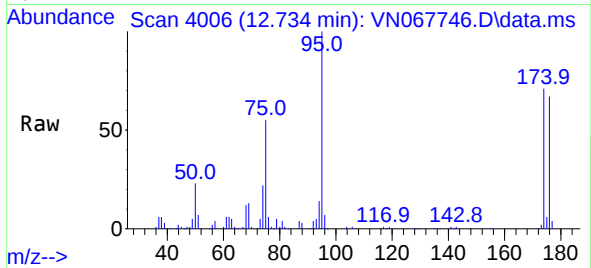




#72
1,2,3-Trichloropropane
Concen: 15.711 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 70702
Ion Ratio Lower Upper
75 100
77 1.0 0.0 365.2



#77
t-1,4-Dichloro-2-butene
Concen: 46.553 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067746.D
Acq: 14 Jul 2021 16:25

Tgt Ion: 75 Resp: 70702
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#

