

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067747.D
 Acq On : 14 Jul 2021 16:46
 Operator : JC/MD
 Sample : M2960-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 14 17:17:03 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)

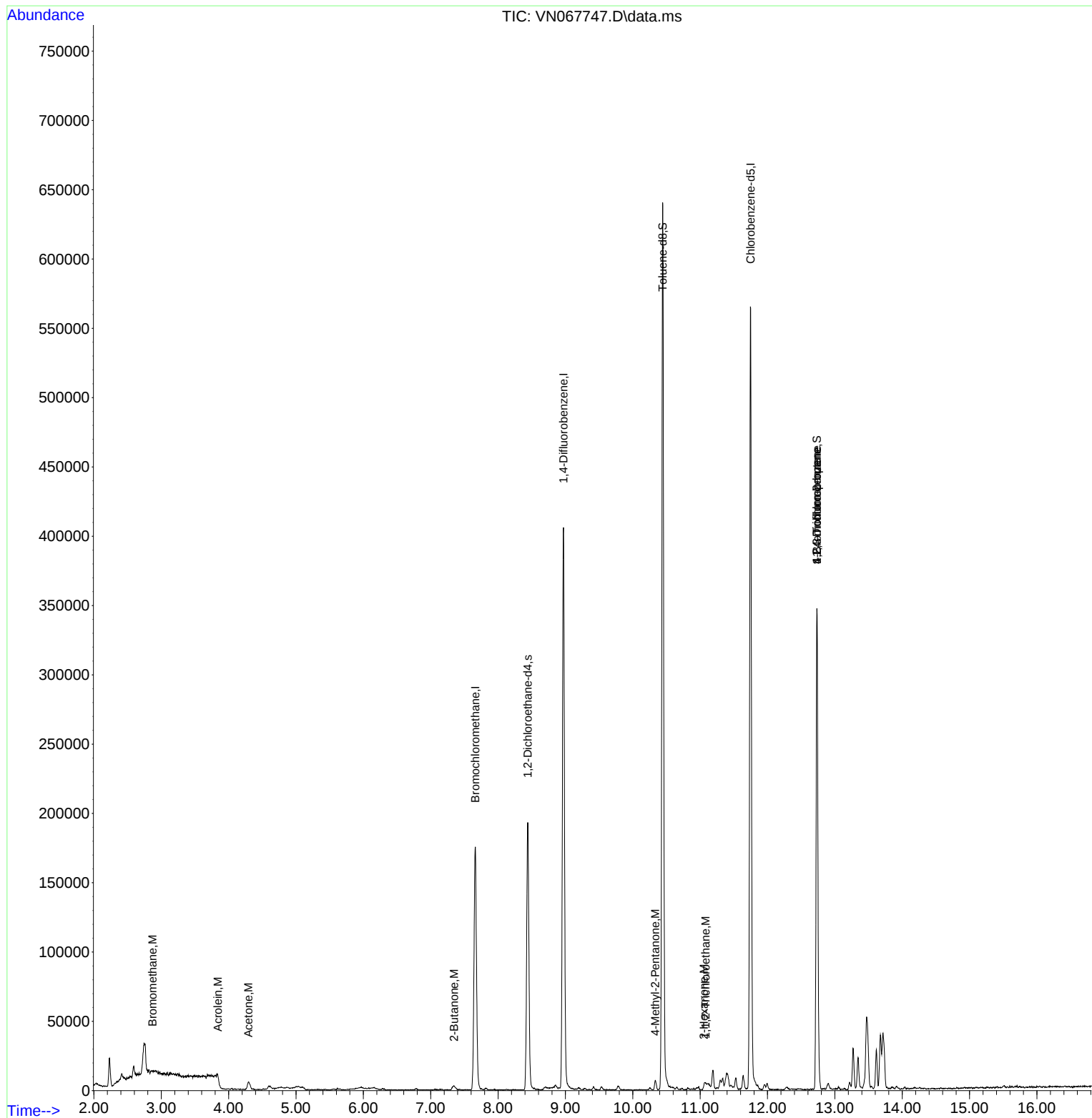
Internal Standards						
1) Bromochloromethane	7.662	128	60044	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	354465	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	320387	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	164407	33.892	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.967%#
60) 4-Bromofluorobenzene	12.734	95	121676	23.385	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.933%
63) Toluene-d8	10.443	98	446697	30.313	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.033%
Target Compounds						
					Qvalue	
5) Bromomethane	2.869	94	1656	0.334	ug/l #	55
13) Acrolein	3.840	56	115	0.276	ug/l #	7
15) Acetone	4.293	58	427	0.985	ug/l #	1
30) 2-Butanone	7.348	43	1294	0.502	ug/l #	84
50) 1,1,2-Trichloroethane	11.079	97	1210	0.278	ug/l #	16
58) 4-Methyl-2-Pentanone	10.336	43	4857	0.883	ug/l	98
59) 2-Hexanone	11.057	43	1779	0.461	ug/l #	57
72) 1,2,3-Trichloropropane	12.734	75	72323	15.122	ug/l	1
77) t-1,4-Dichloro-2-butene	12.734	75	72323	44.810	ug/l #	4

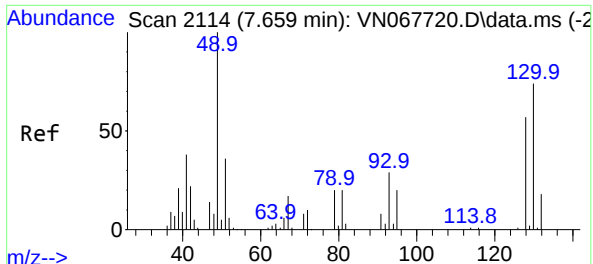
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
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MSVOA_N
ClientSampleId :

Quant Time: Jul 14 17:17:03 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

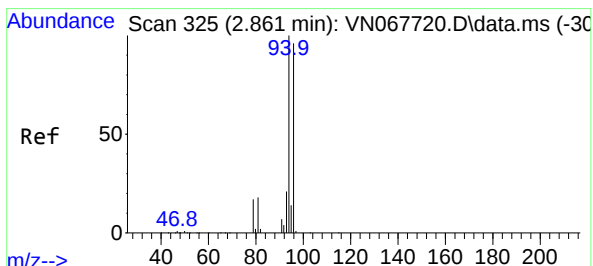
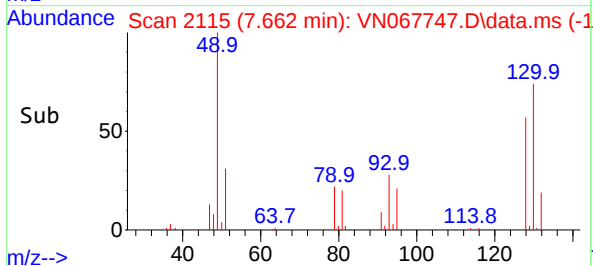
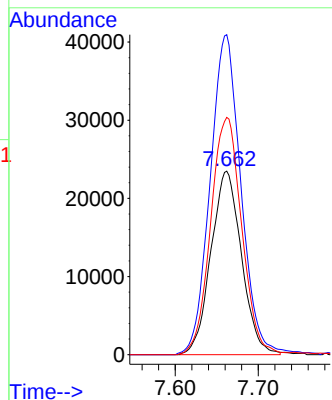
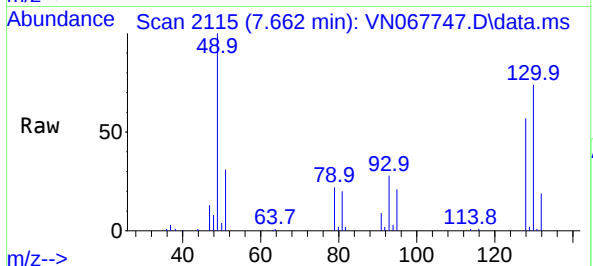




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

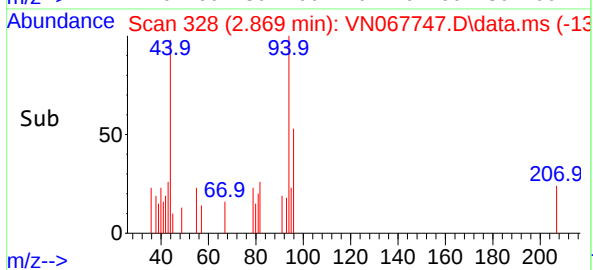
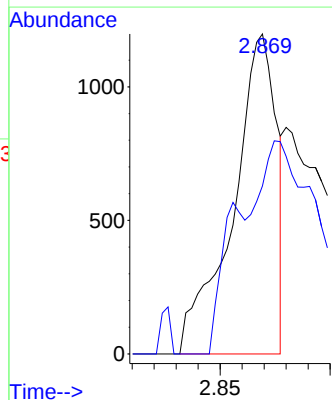
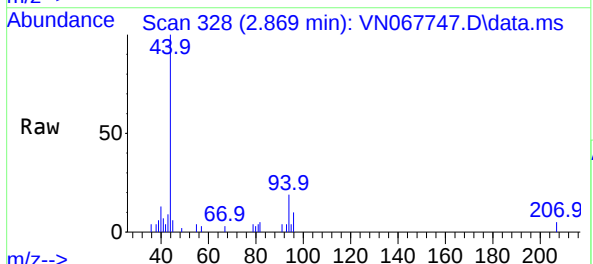
Instrument :
MSVOA_N
ClientSampled :

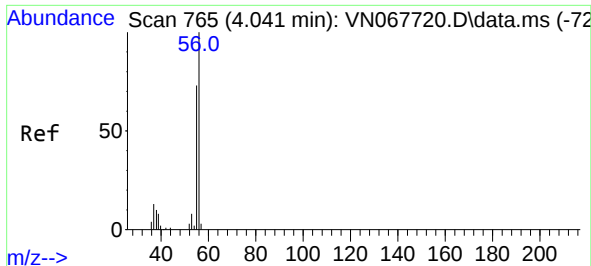
Tgt Ion:128 Resp: 60044
Ion Ratio Lower Upper
128 100
49 175.4 0.0 433.0
130 131.6 0.0 323.8



#5
Bromomethane
Concen: 0.334 ug/l
RT: 2.869 min Scan# 328
Delta R.T. 0.008 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

Tgt Ion: 94 Resp: 1656
Ion Ratio Lower Upper
94 100
96 52.5 76.9 115.3#

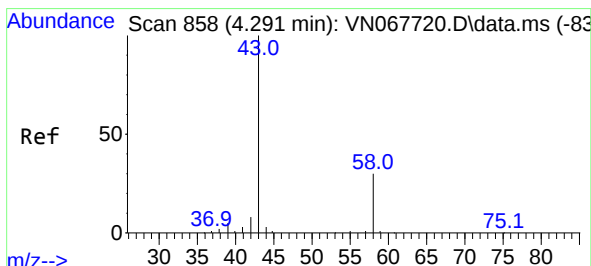
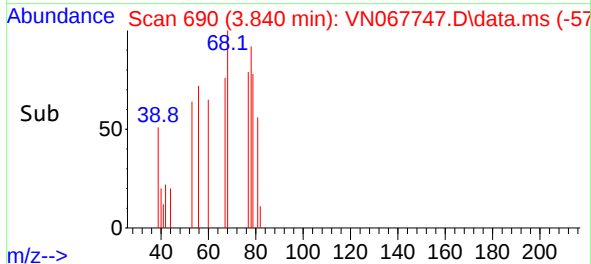
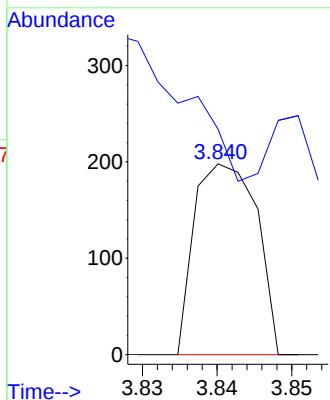
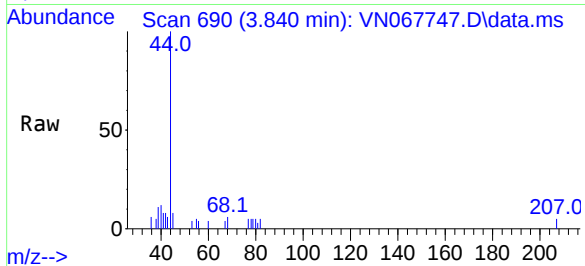




#13
Acrolein
Concen: 0.276 ug/l
RT: 3.840 min Scan# 690
Delta R.T. -0.201 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

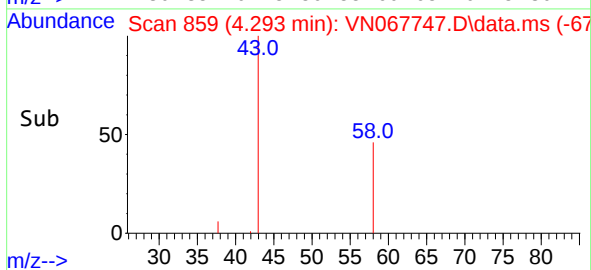
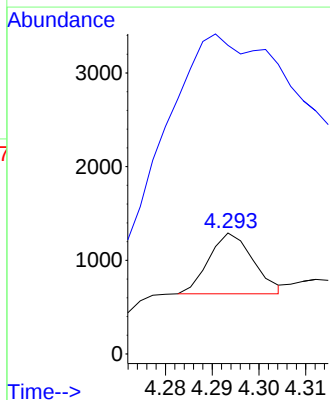
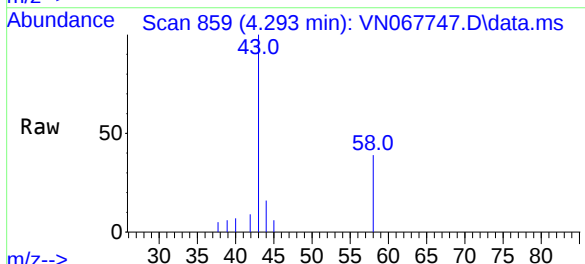
Instrument :
MSVOA_N
ClientSampled :

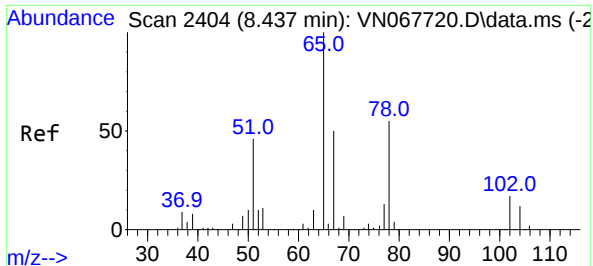
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 120.0 0.2 0.2#



#15
Acetone
Concen: 0.985 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

Tgt Ion: 58 Resp: 427
Ion Ratio Lower Upper
58 100
43 87.7 268.2 402.4#



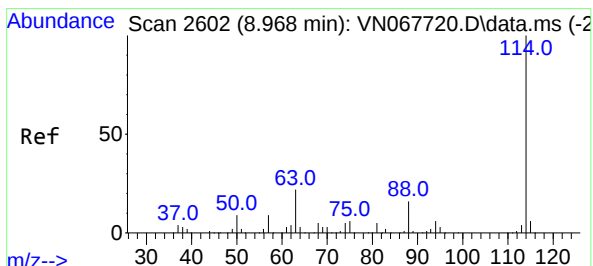
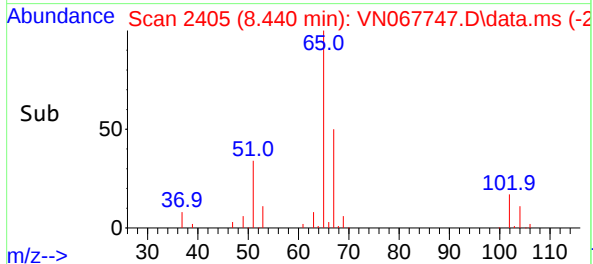
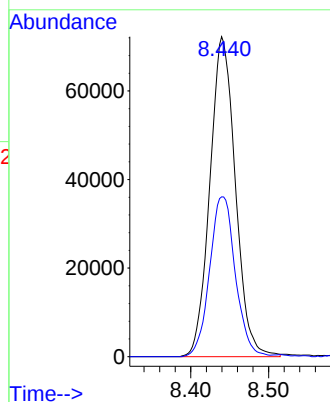
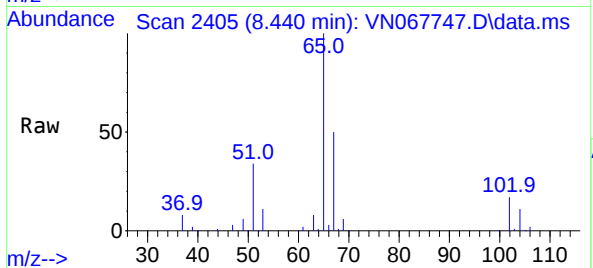


#27

1,2-Dichloroethane-d4
Concen: 33.892 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

Instrument :
MSVOA_N
ClientSampled :

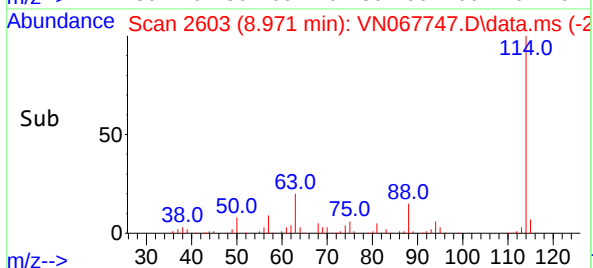
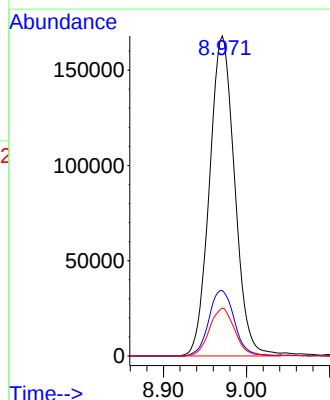
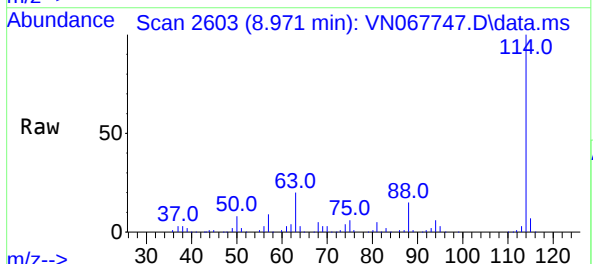
Tgt Ion: 65 Resp: 164407
Ion Ratio Lower Upper
65 100
67 50.4 40.6 60.8

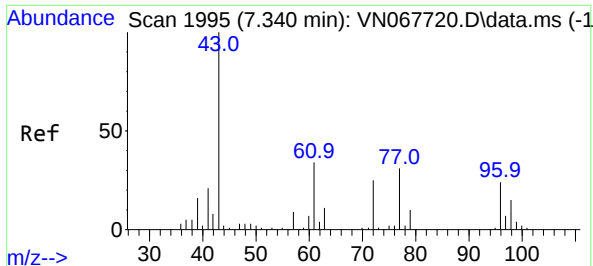


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

Tgt Ion: 114 Resp: 354465
Ion Ratio Lower Upper
114 100
63 20.8 17.2 25.8
88 14.8 12.4 18.6

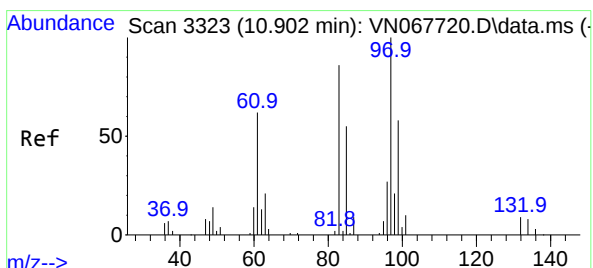
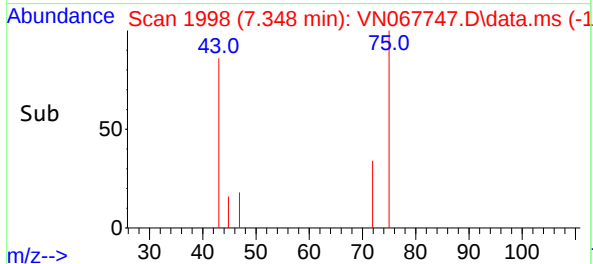
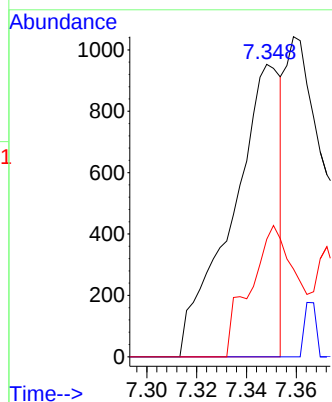
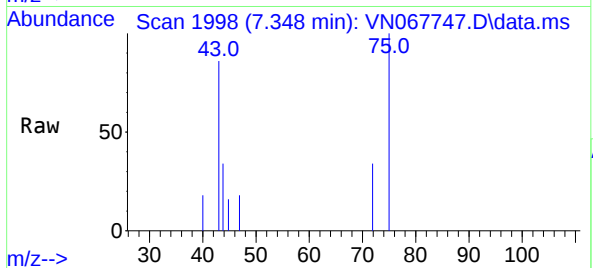




#30
2-Butanone
Concen: 0.502 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

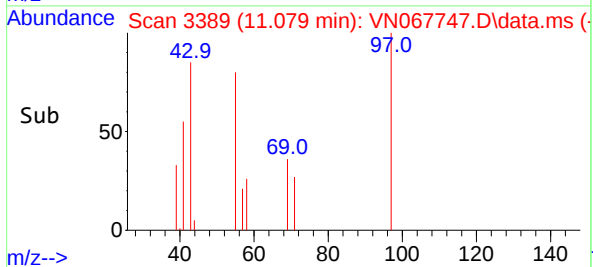
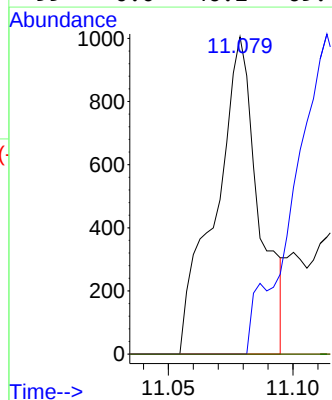
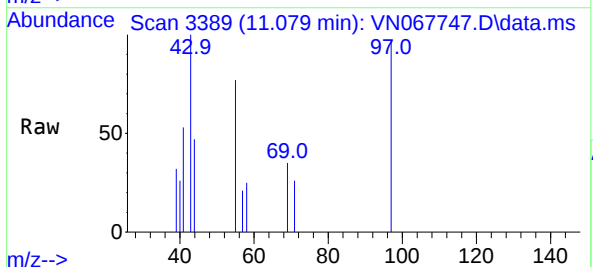
Instrument :
MSVOA_N
ClientSampled :

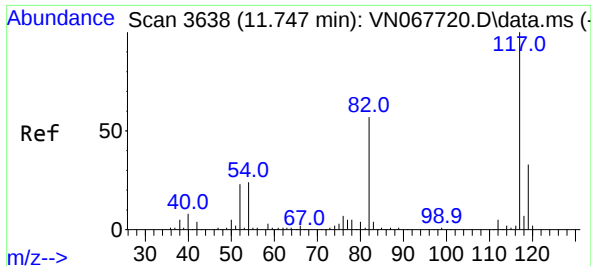
Tgt Ion: 43 Resp: 1294
Ion Ratio Lower Upper
43 100
57 0.0 6.6 9.8#
72 34.6 21.8 32.6#



#50
1,1,2-Trichloroethane
Concen: 0.278 ug/l
RT: 11.079 min Scan# 3389
Delta R.T. 0.177 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

Tgt Ion: 97 Resp: 1210
Ion Ratio Lower Upper
97 100
83 0.0 69.0 103.4#
85 0.0 43.8 65.8#
99 0.0 46.2 69.4#

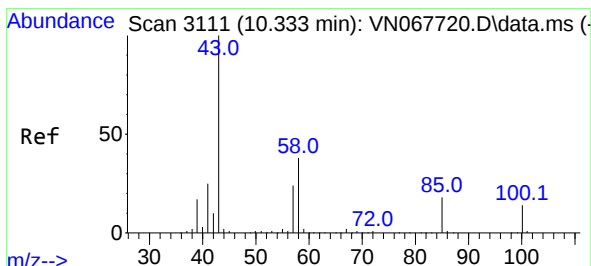
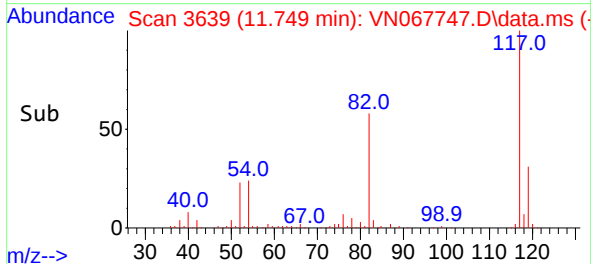
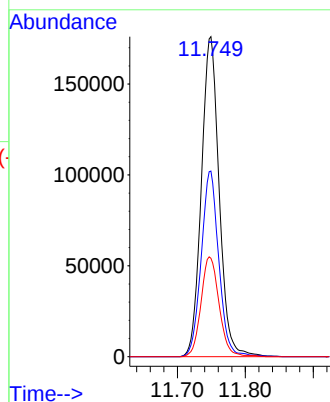
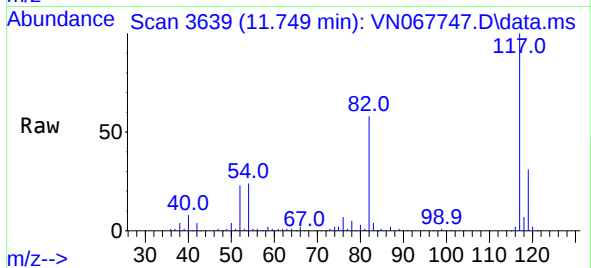




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

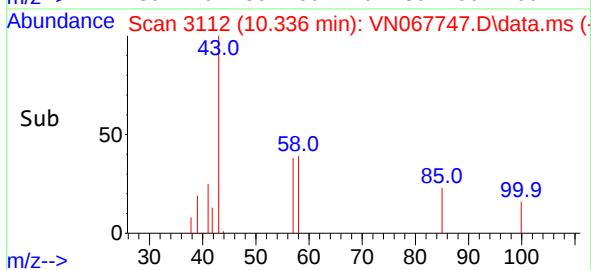
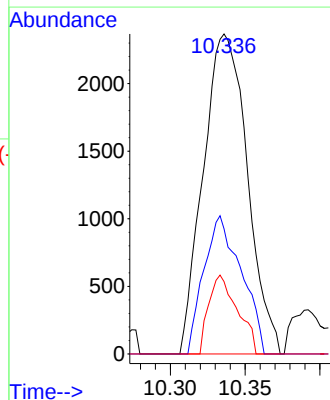
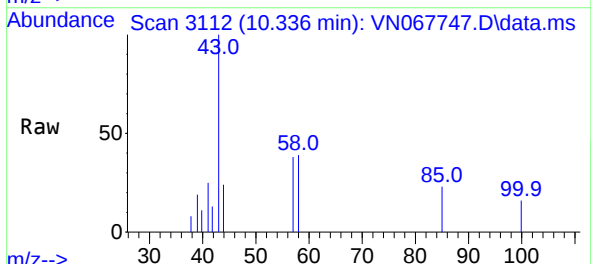
Instrument :
MSVOA_N
ClientSampleId :

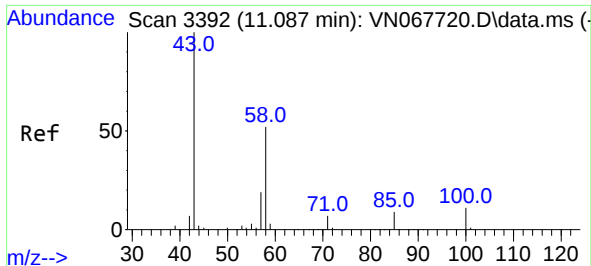
Tgt Ion:117 Resp: 320387
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.0
119 31.5 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 0.883 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

Tgt Ion: 43 Resp: 4857
Ion Ratio Lower Upper
43 100
58 36.7 29.9 44.9
85 16.0 14.1 21.1

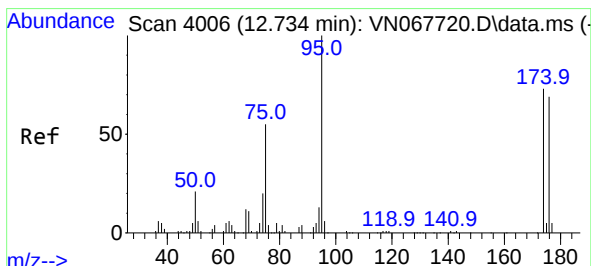
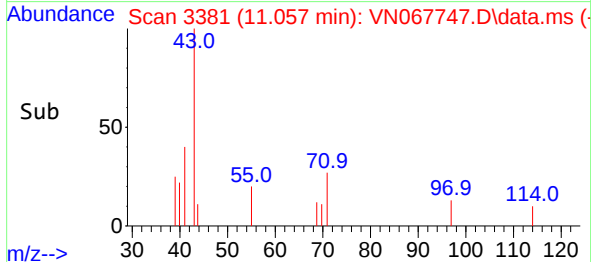
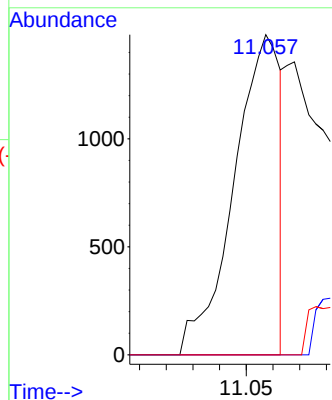
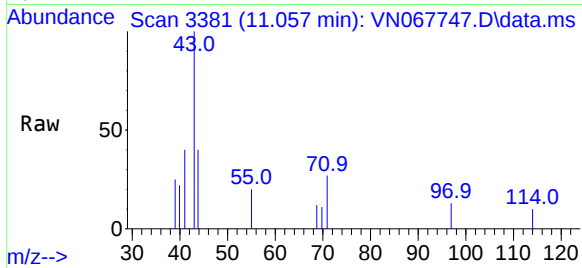




#59
2-Hexanone
Concen: 0.461 ug/l
RT: 11.057 min Scan# 3381
Delta R.T. -0.030 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

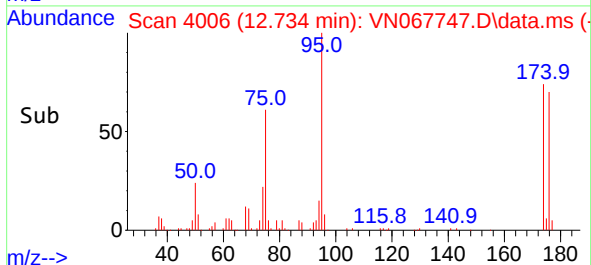
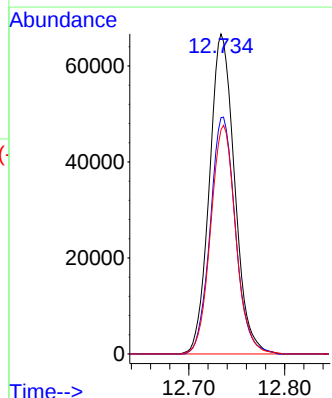
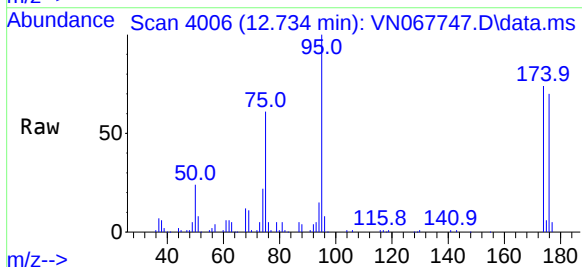
Instrument :
MSVOA_N
ClientSampled :

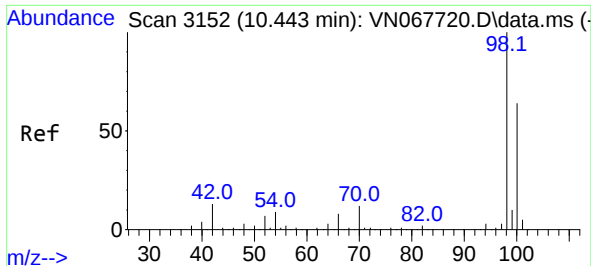
Tgt Ion: 43 Resp: 1779
Ion Ratio Lower Upper
43 100
58 18.2 41.5 62.3#
57 5.8 15.1 22.7#



#60
4-Bromofluorobenzene
Concen: 23.385 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

Tgt Ion: 95 Resp: 121676
Ion Ratio Lower Upper
95 100
174 73.9 57.1 85.7
176 71.1 54.6 81.8

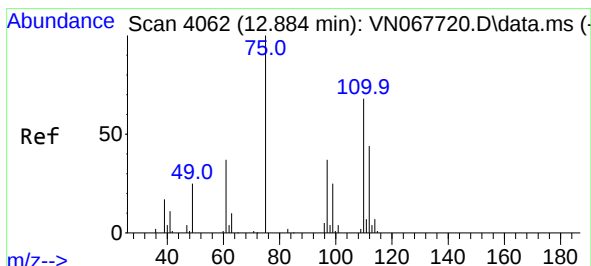
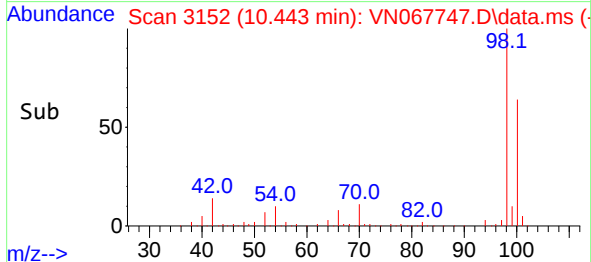
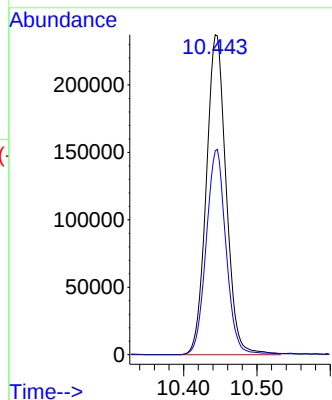
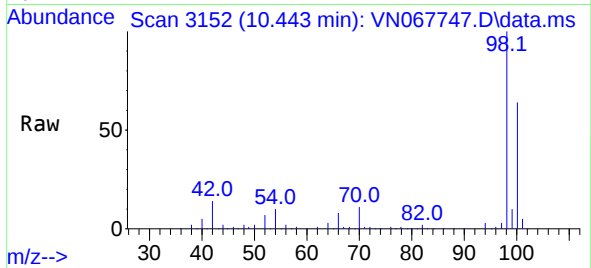




#63
Toluene-d8
Concen: 30.313 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

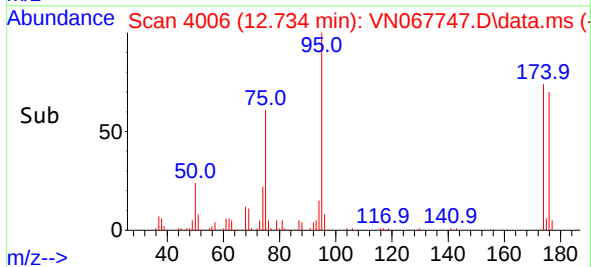
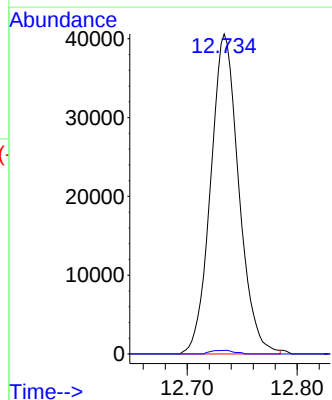
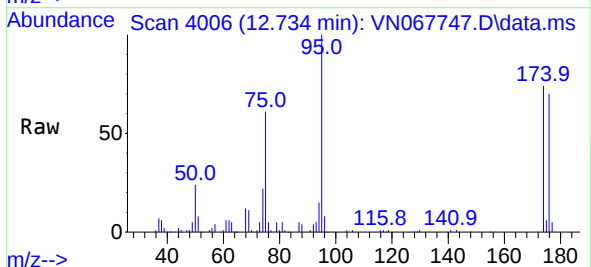
Instrument :
MSVOA_N
ClientSampled :

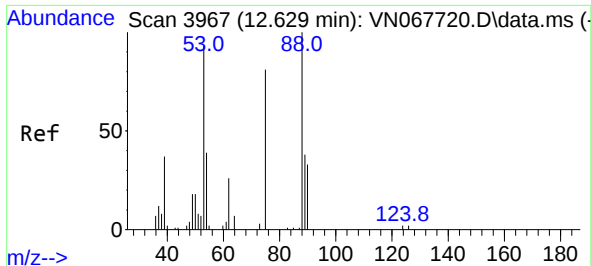
Tgt Ion: 98 Resp: 446697
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.4



#72
1,2,3-Trichloropropane
Concen: 15.122 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

Tgt Ion: 75 Resp: 72323
Ion Ratio Lower Upper
75 100
77 0.5 0.0 365.2





#77
t-1,4-Dichloro-2-butene
Concen: 44.810 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067747.D
Acq: 14 Jul 2021 16:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 72323
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#

