

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071521\
 Data File : VN067760.D
 Acq On : 15 Jul 2021 13:24
 Operator : JC/MD
 Sample : M2975-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 15 16:13:50 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)

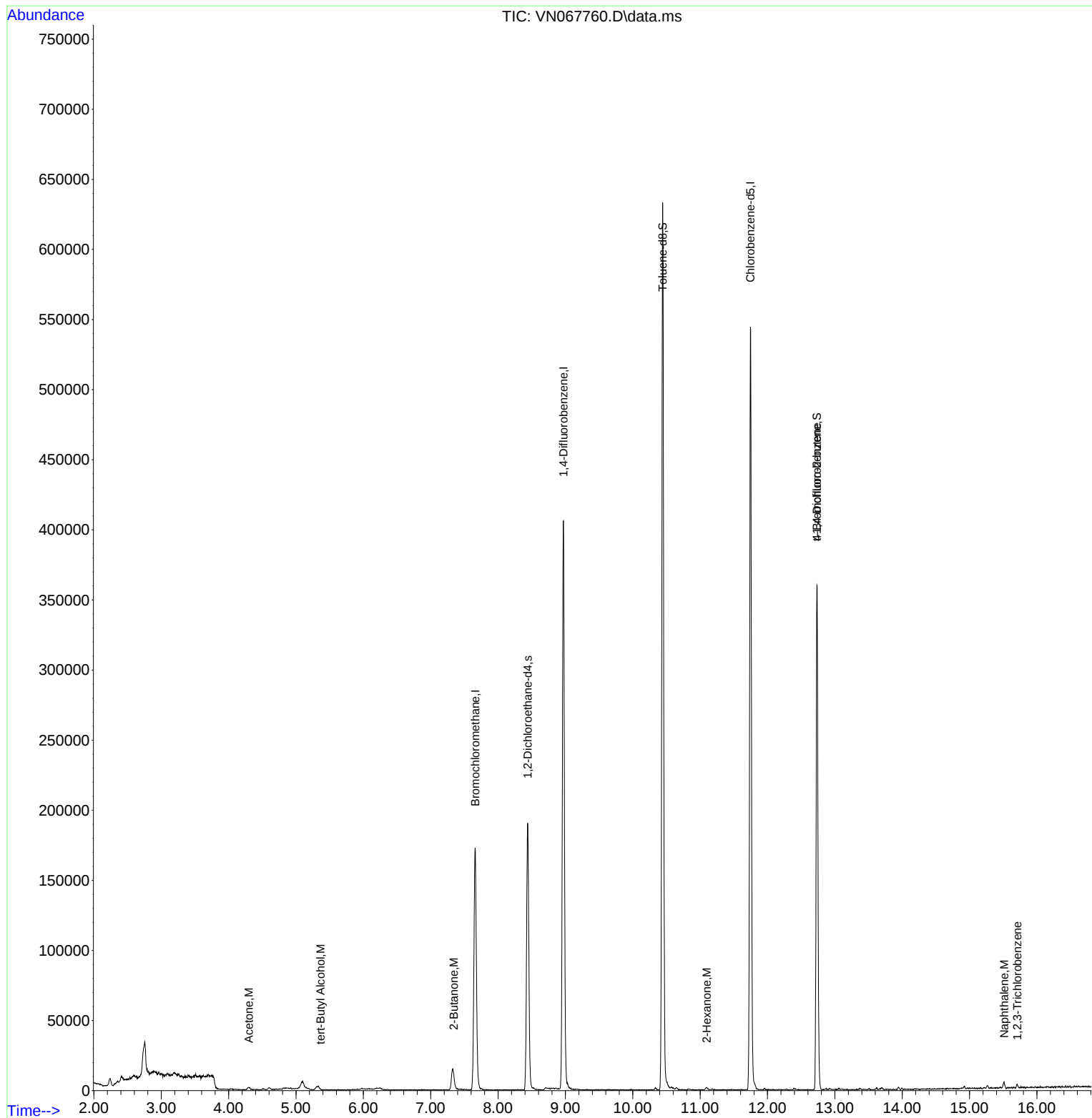
Internal Standards						
1) Bromochloromethane	7.662	128	61005	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	354161	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	312025	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	162989	33.070	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.233%#
60) 4-Bromofluorobenzene	12.734	95	128167	25.293	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.300%
63) Toluene-d8	10.443	98	442626	30.842	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.800%
Target Compounds						
					Qvalue	
15) Acetone	4.299	58	495	1.124	ug/l #	2
23) tert-Butyl Alcohol	5.363	59	150	0.229	ug/l #	100
30) 2-Butanone	7.343	43	901	0.350	ug/l #	54
59) 2-Hexanone	11.098	43	1866	0.497	ug/l #	52
77) t-1,4-Dichloro-2-butene	12.734	75	75658	48.132	ug/l #	4
91) Naphthalene	15.515	128	4230	0.404	ug/l #	74
92) 1,2,3-Trichlorobenzene	15.708	180	1004	0.284	ug/l	78

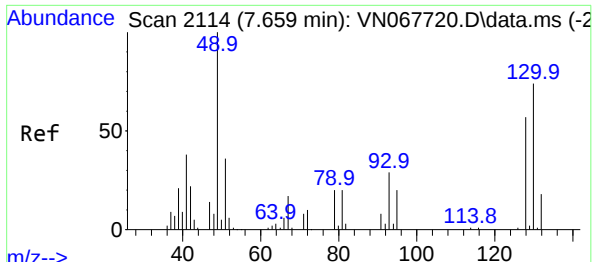
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Jul 15 16:13:50 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

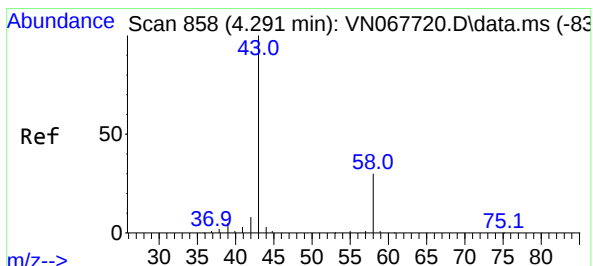
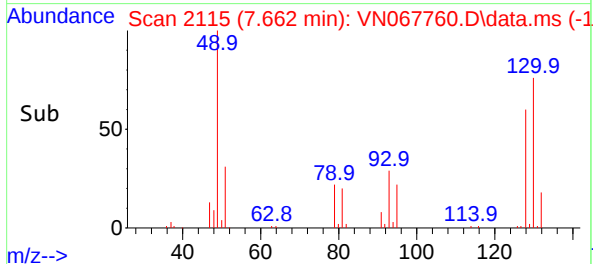
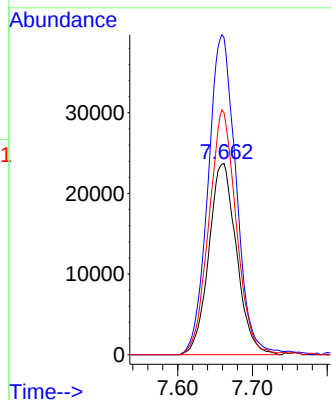
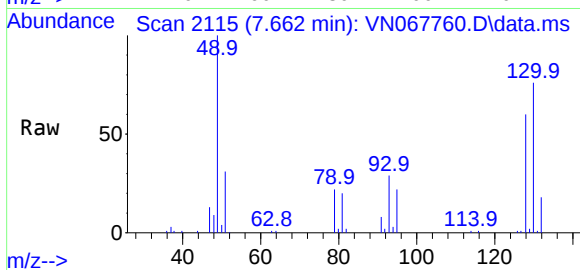




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

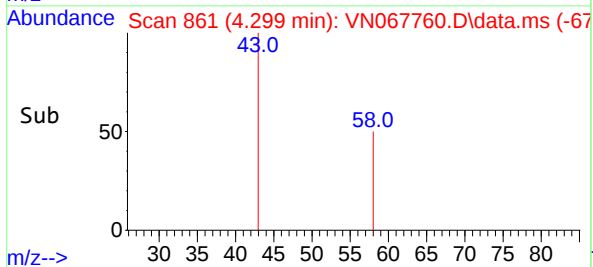
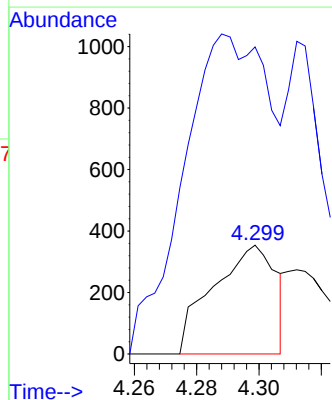
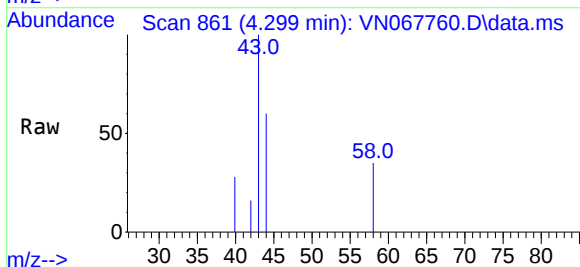
Instrument :
MSVOA_N
ClientSampled :

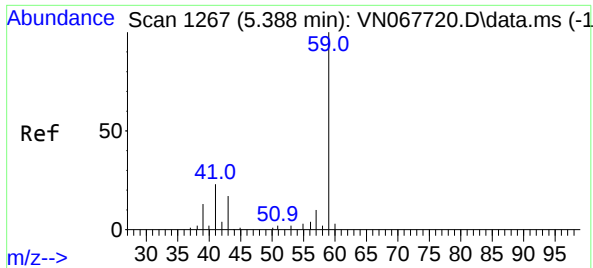
Tgt Ion:128 Resp: 61005
Ion Ratio Lower Upper
128 100
49 167.9 0.0 433.0
130 125.5 0.0 323.8



#15
Acetone
Concen: 1.124 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

Tgt Ion: 58 Resp: 495
Ion Ratio Lower Upper
58 100
43 129.4 268.2 402.4#



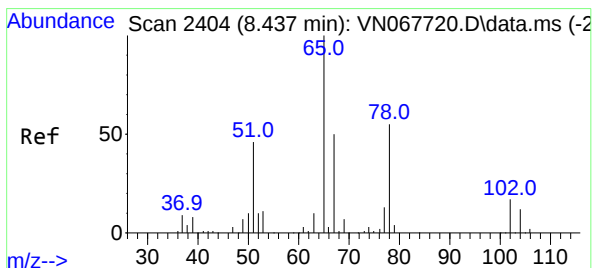
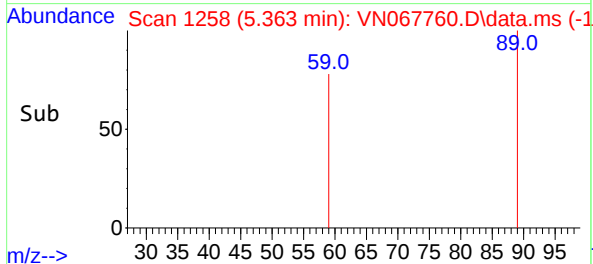
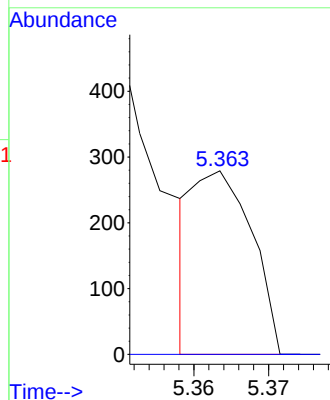
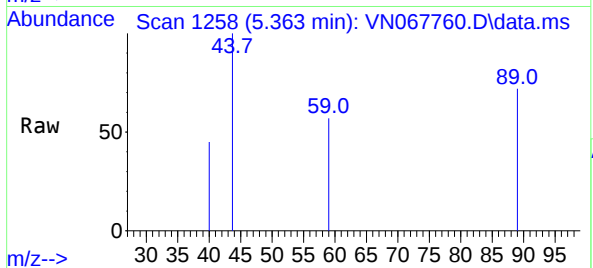


#23

tert-Butyl Alcohol
Concen: 0.229 ug/l
RT: 5.363 min Scan# 1258
Delta R.T. -0.024 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

Instrument :
MSVOA_N
ClientSampled :

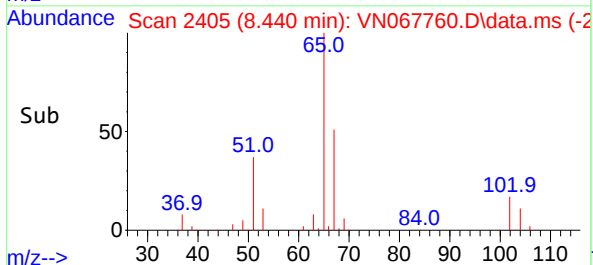
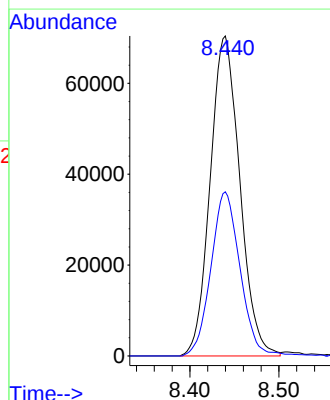
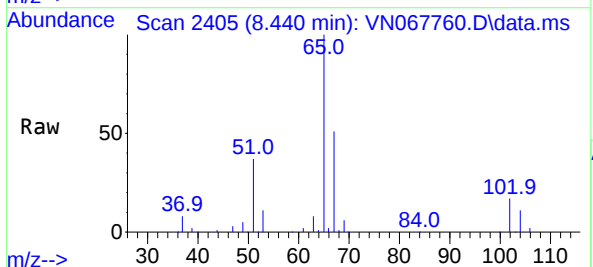
Tgt Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

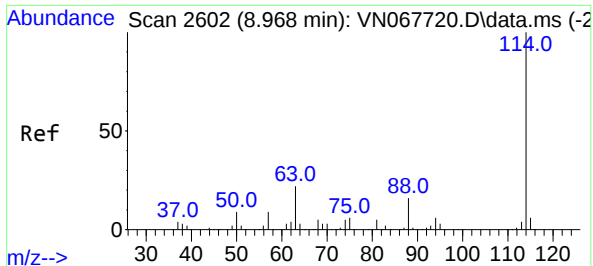


#27

1,2-Dichloroethane-d4
Concen: 33.070 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

Tgt Ion: 65 Resp: 162989
Ion Ratio Lower Upper
65 100
67 49.9 40.6 60.8



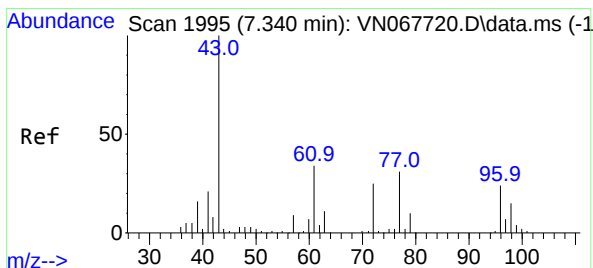
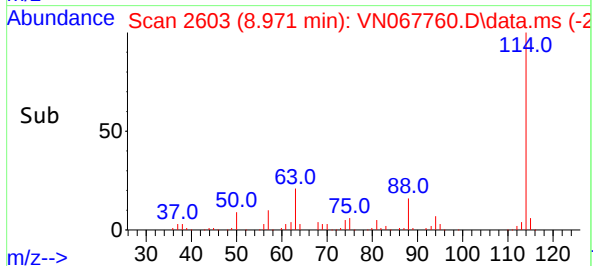
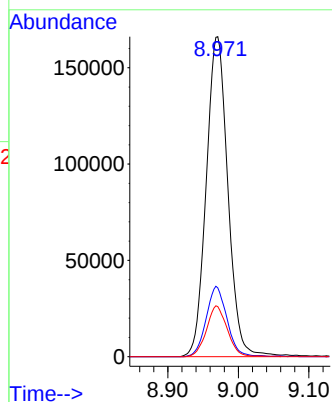
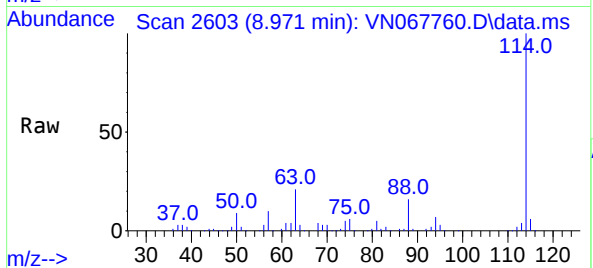


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

Instrument :
MSVOA_N
ClientSampled :

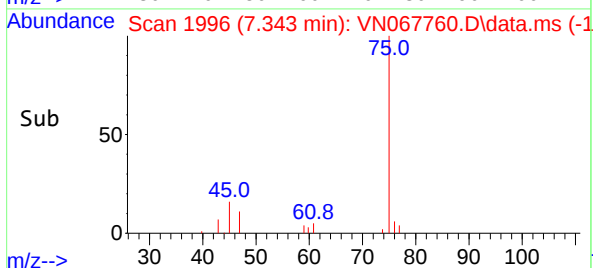
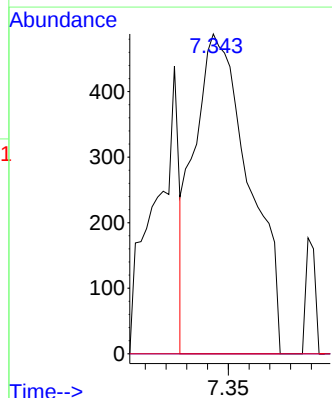
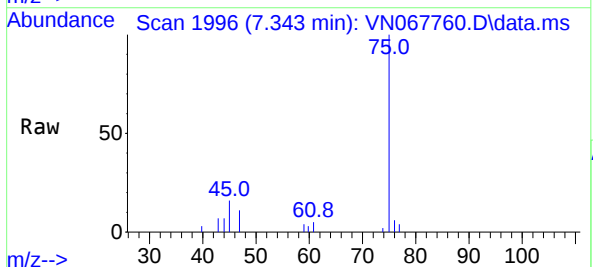
Tgt Ion:114 Resp: 354161
Ion Ratio Lower Upper
114 100
63 21.0 17.2 25.8
88 15.2 12.4 18.6

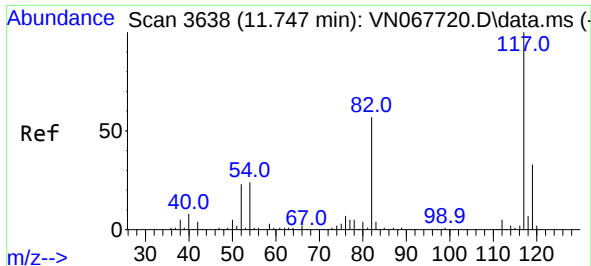


#30

2-Butanone
Concen: 0.350 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.003 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
57 0.0 6.6 9.8#
72 0.0 21.8 32.6#

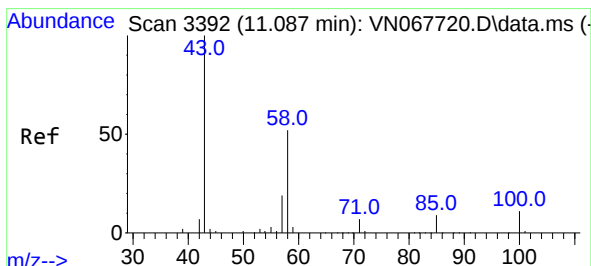
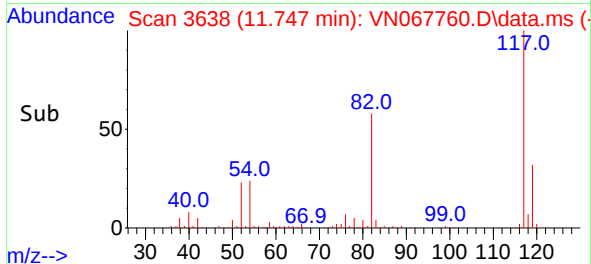
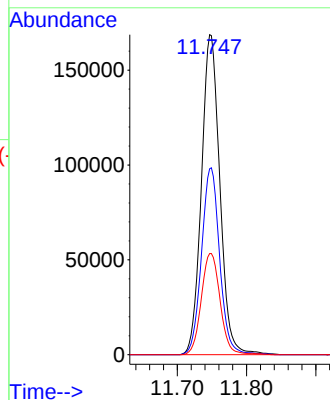
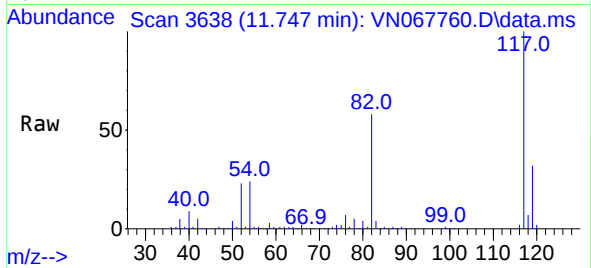




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

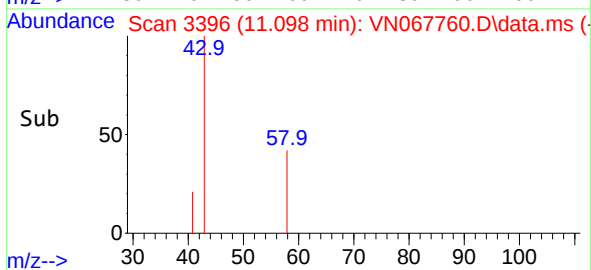
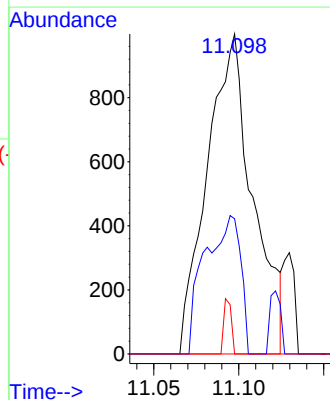
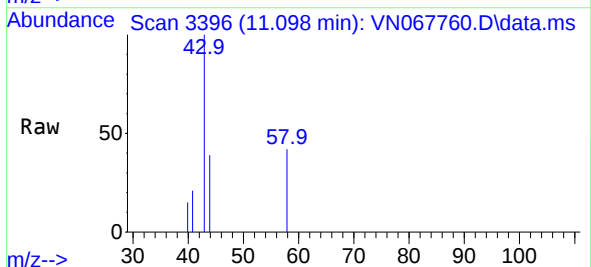
Instrument :
MSVOA_N
ClientSampled :

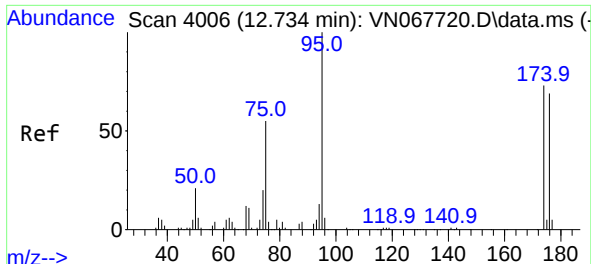
Tgt Ion:117 Resp: 312025
Ion Ratio Lower Upper
117 100
82 57.6 45.4 68.0
119 32.1 25.7 38.5



#59
2-Hexanone
Concen: 0.497 ug/l
RT: 11.098 min Scan# 3396
Delta R.T. 0.011 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

Tgt Ion: 43 Resp: 1866
Ion Ratio Lower Upper
43 100
58 15.4 41.5 62.3#
57 2.8 15.1 22.7#

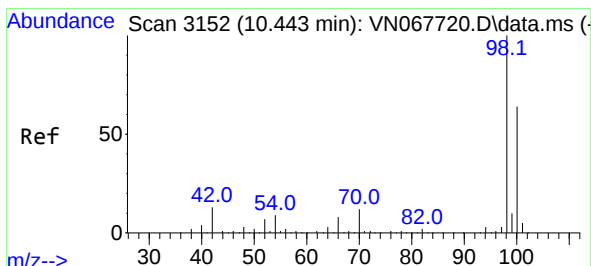
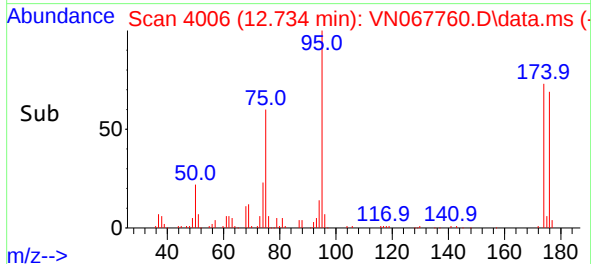
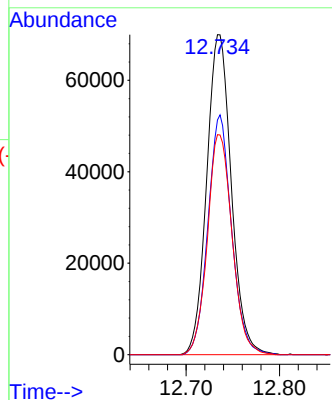
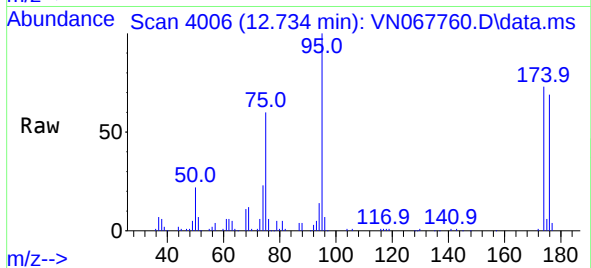




#60
4-Bromofluorobenzene
Concen: 25.293 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

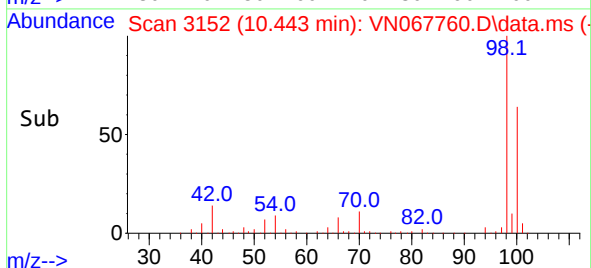
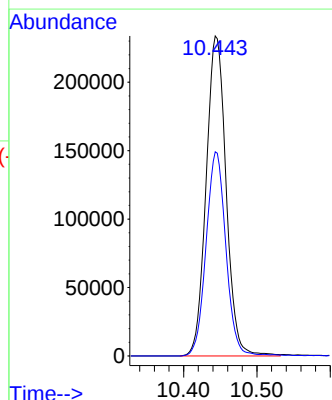
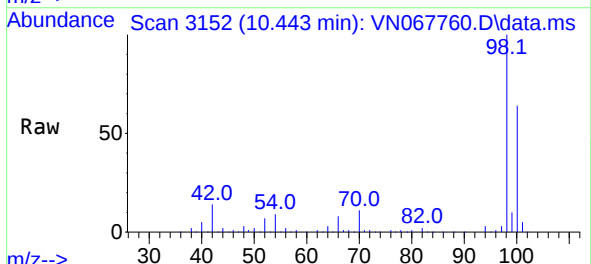
Instrument :
MSVOA_N
ClientSampleId :

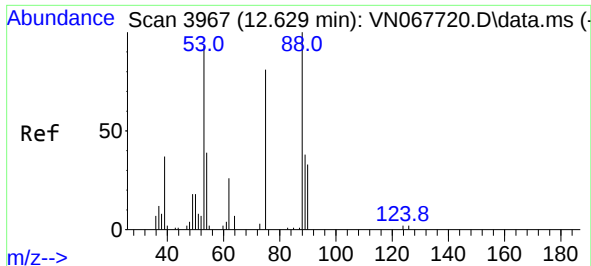
Tgt Ion: 95 Resp: 128167
Ion Ratio Lower Upper
95 100
174 72.0 57.1 85.7
176 69.0 54.6 81.8



#63
Toluene-d8
Concen: 30.842 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

Tgt Ion: 98 Resp: 442626
Ion Ratio Lower Upper
98 100
100 63.0 51.0 76.4

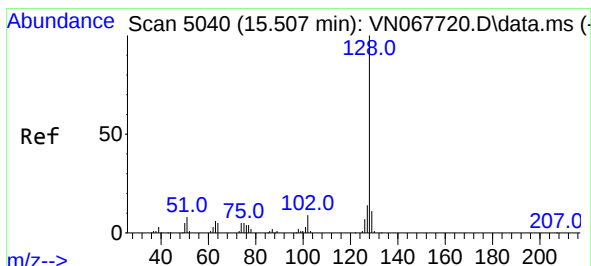
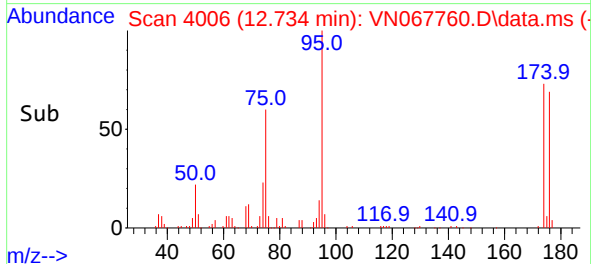
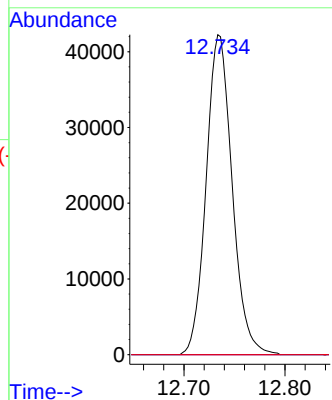
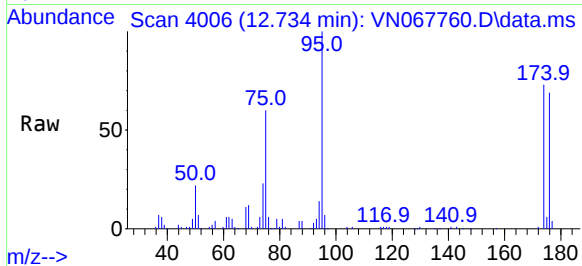




#77
t-1,4-Dichloro-2-butene
Concen: 48.132 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

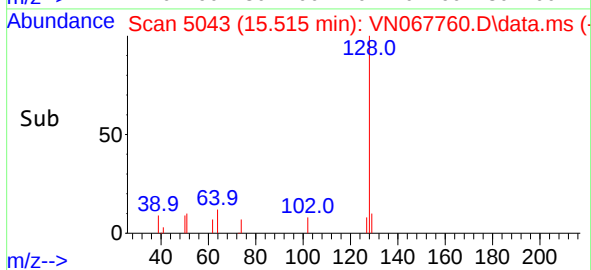
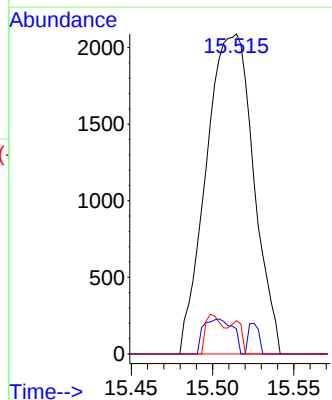
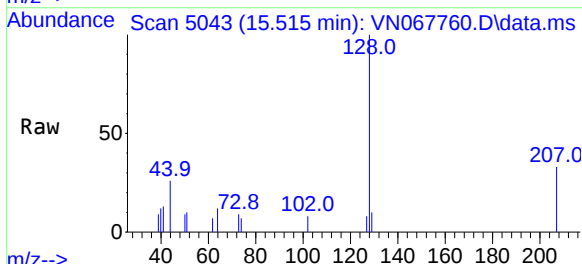
Instrument :
MSVOA_N
ClientSampled :

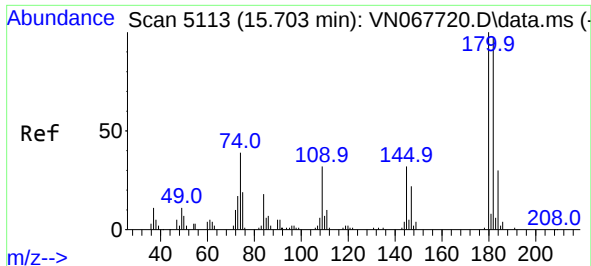
Tgt Ion: 75 Resp: 75658
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#



#91
Naphthalene
Concen: 0.404 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

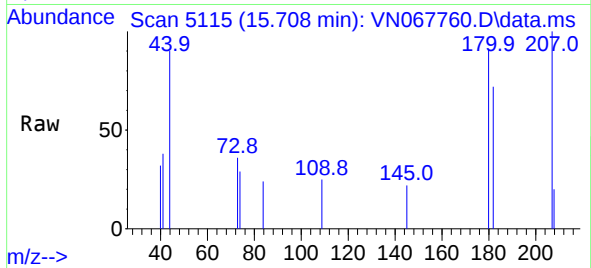
Tgt Ion:128 Resp: 4230
Ion Ratio Lower Upper
128 100
127 2.1 10.9 16.3#
129 2.3 8.7 13.1#





#92
1,2,3-Trichlorobenzene
Concen: 0.284 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.005 min
Lab File: VN067760.D
Acq: 15 Jul 2021 13:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 1004
Ion Ratio Lower Upper
180 100
182 80.4 0.0 190.8
145 11.7 0.0 68.2

