

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091321\
 Data File : VN068465.D
 Acq On : 13 Sep 2021 18:43
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 14 04:29:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N091321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 14 04:23:31 2021
 Response via : Initial Calibration

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

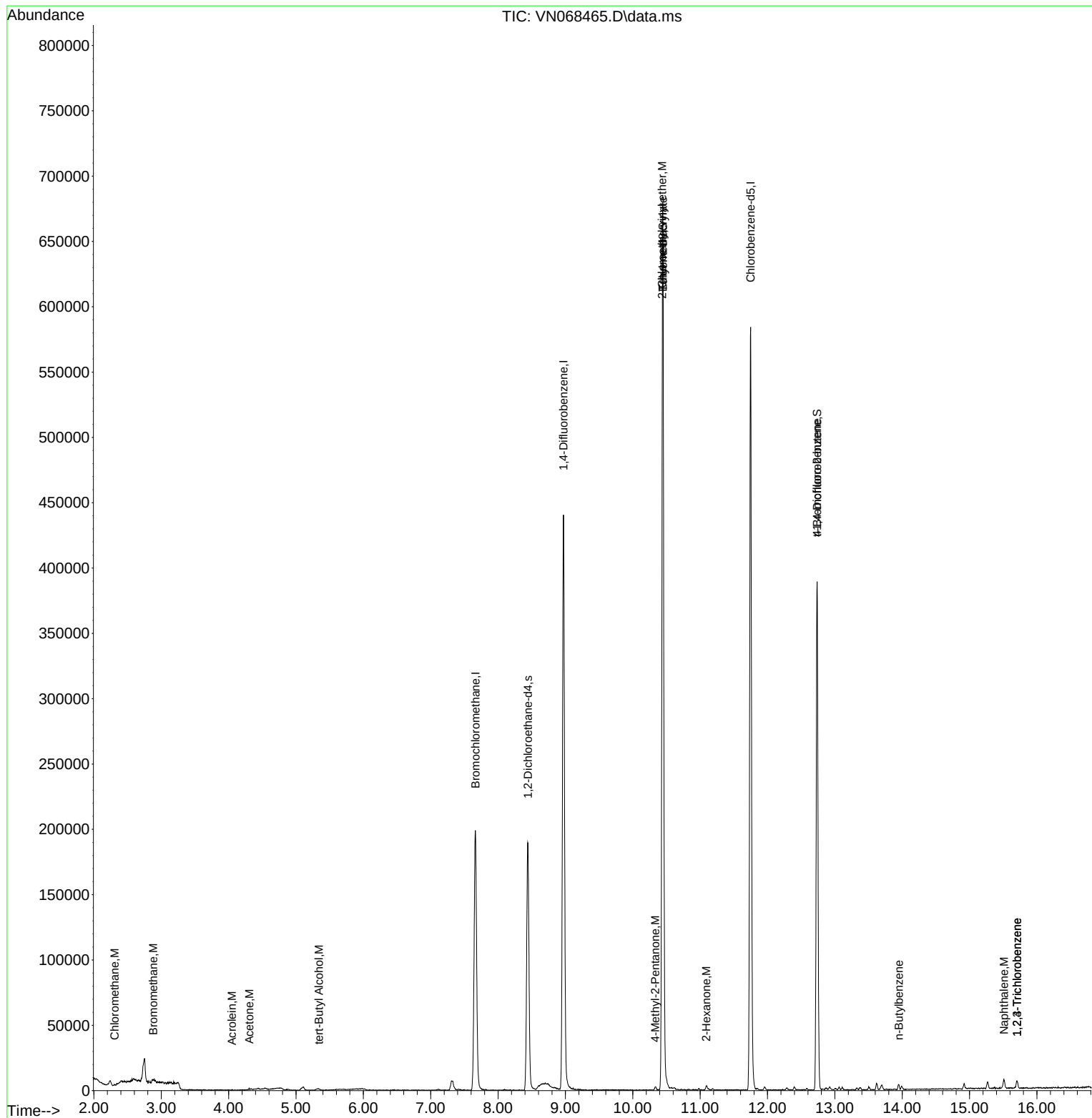
Internal Standards						
1) Bromochloromethane	7.665	128	85250	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	431738	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	376470	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.442	65	163336	32.443	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 108.133%	
60) 4-Bromofluorobenzene	12.736	95	134934	25.146	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 83.833%	
63) Toluene-d8	10.446	98	516815	31.556	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 105.200%	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	764	0.203	ug/l	98
5) Bromomethane	2.880	94	1560	0.264	ug/l	85
13) Acrolein	4.049	56	86	0.265	ug/l #	54
15) Acetone	4.307	58	105	0.220	ug/l #	1
23) tert-Butyl Alcohol	5.342	59	683	0.965	ug/l #	100
51) Ethyl methacrylate	10.446	69	1756	0.277	ug/l	73
55) 2-Chloroethyl vinyl ether	10.438	63	316	0.295	ug/l #	1
58) 4-Methyl-2-Pentanone	10.333	43	1984	0.448	ug/l #	58
59) 2-Hexanone	11.092	43	2354	0.766	ug/l #	48
77) t-1,4-Dichloro-2-butene	12.736	75	68896	41.407	ug/l #	13
85) n-Butylbenzene	13.951	91	2926	0.213	ug/l	69
89) 1,2,4-Trichlorobenzene	15.705	180	2699	0.529	ug/l	96
91) Naphthalene	15.509	128	7798	0.709	ug/l #	84
92) 1,2,3-Trichlorobenzene	15.705	180	2699	0.562	ug/l	97

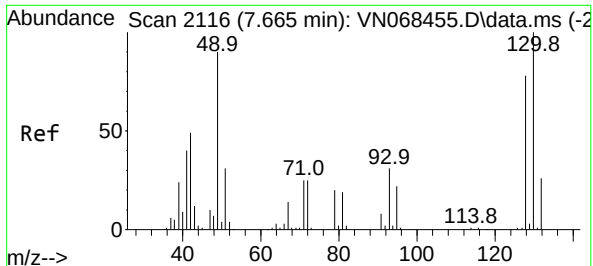
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091321\
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Quant Time: Sep 14 04:29:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N091321W.M
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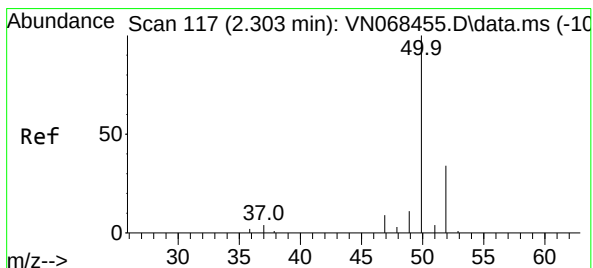
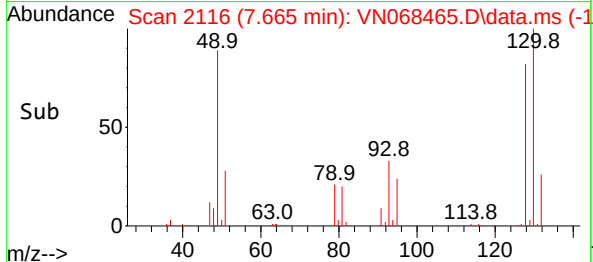
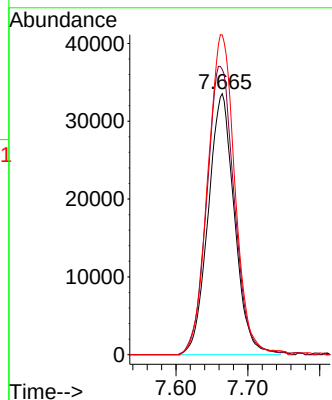
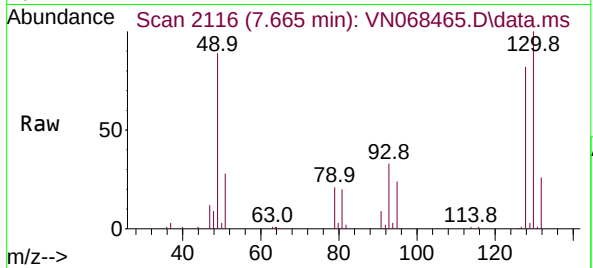




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.665 min Scan# 2116
Delta R.T. -0.000 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

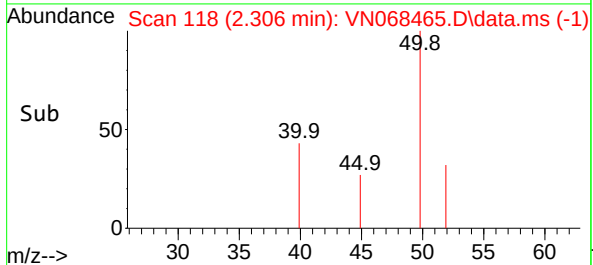
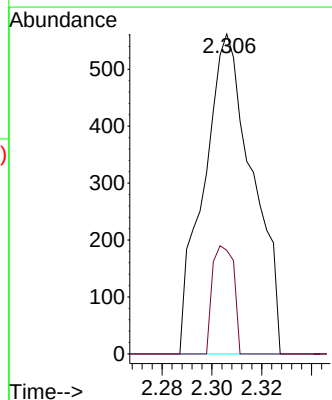
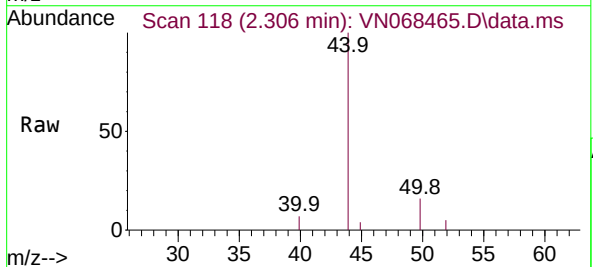
Instrument :
MSVOA_N
ClientSampleId :
IBLK

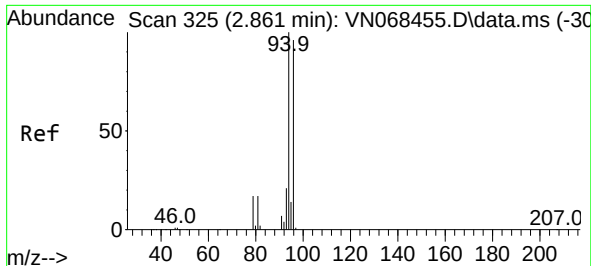
Tgt Ion:128 Resp: 85250
Ion Ratio Lower Upper
128 100
49 116.1 0.0 292.5
130 125.6 0.0 325.0



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

Tgt Ion: 50 Resp: 764
Ion Ratio Lower Upper
50 100
52 32.4 27.0 40.4

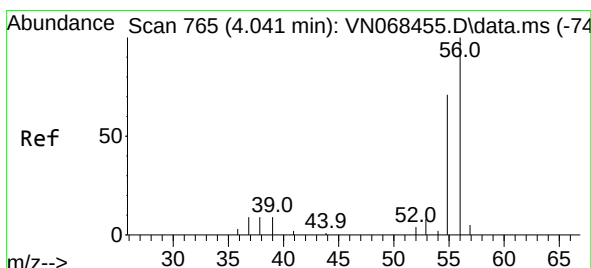
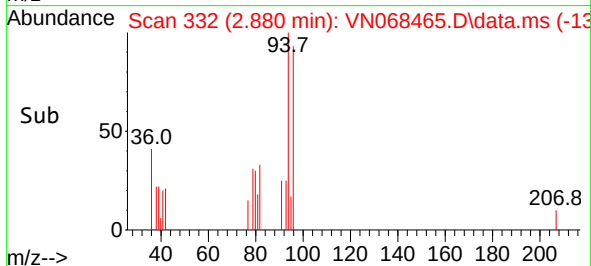
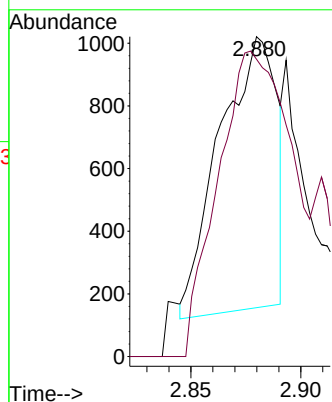
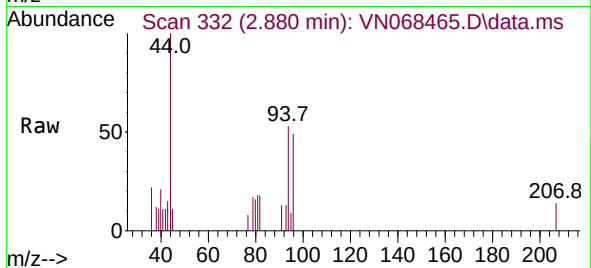




#5
Bromomethane
Concen: 0.264 ug/l
RT: 2.880 min Scan# 31
Delta R.T. 0.019 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

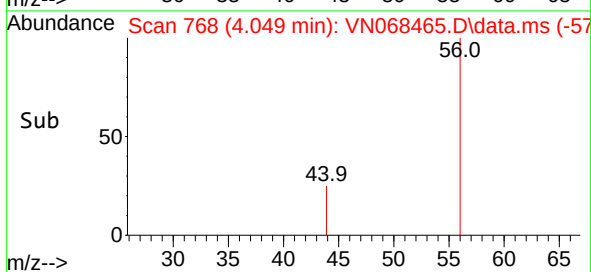
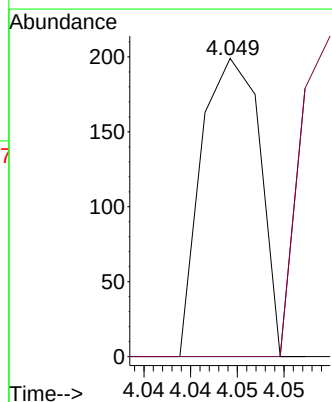
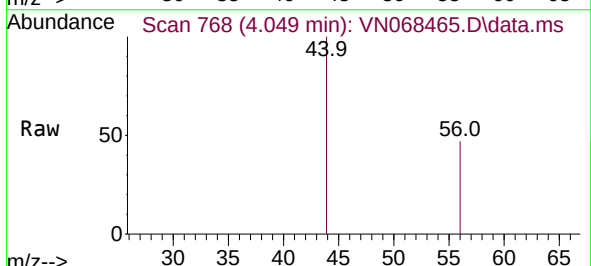
Instrument :
MSVOA_N
ClientSampleId :
IBLK

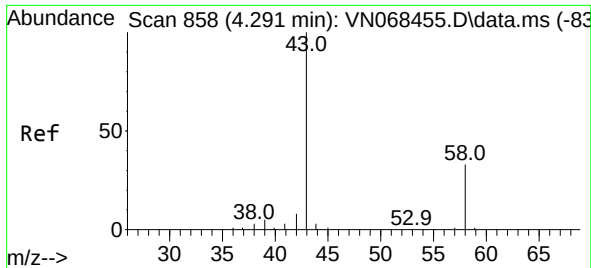
Tgt Ion: 94 Resp: 1560
Ion Ratio Lower Upper
94 100
96 111.1 77.0 115.4



#13
Acrolein
Concen: 0.265 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.008 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 109.3 57.2 85.8#

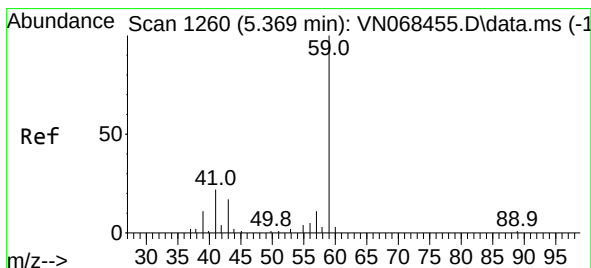
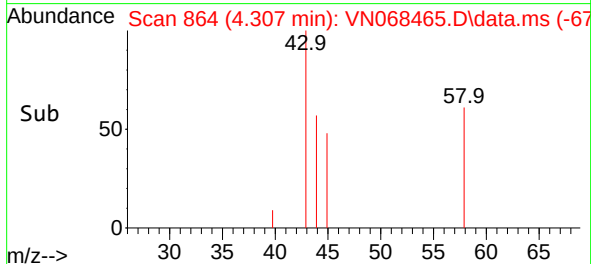
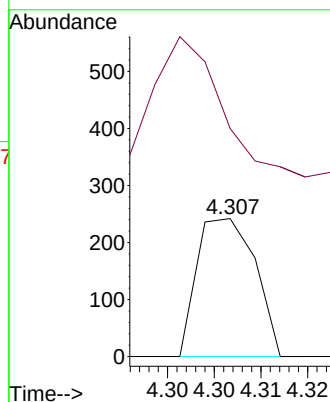
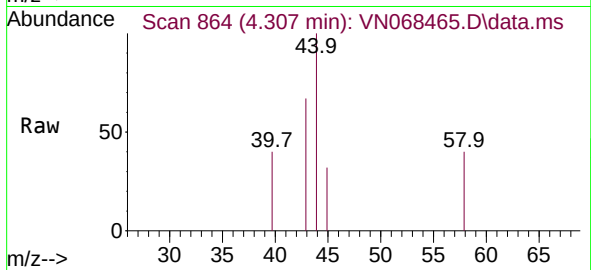




#15
Acetone
Concen: 0.220 ug/l
RT: 4.307 min Scan# 80
Delta R.T. 0.016 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

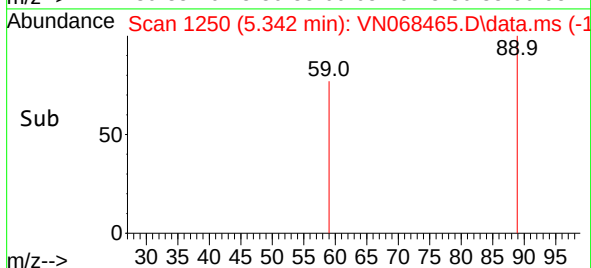
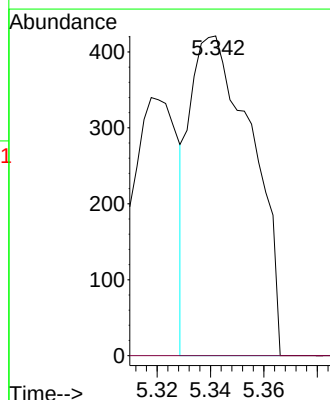
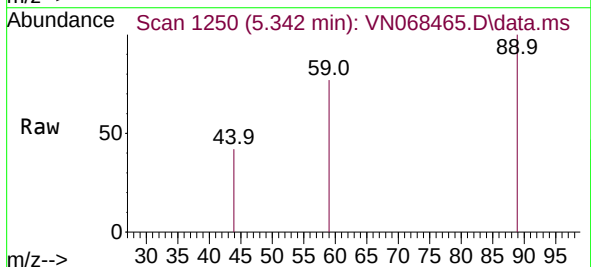
Instrument :
MSVOA_N
ClientSampleId :
IBLK

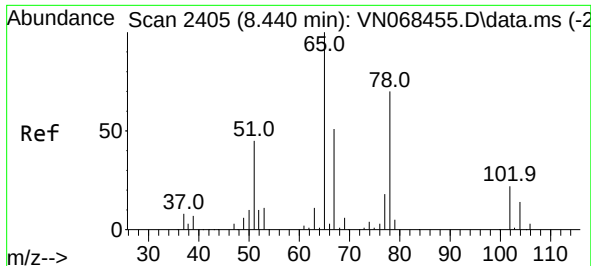
Tgt Ion: 58 Resp: 105
Ion Ratio Lower Upper
58 100
43 27.7 239.9 359.9#



#23
tert-Butyl Alcohol
Concen: 0.965 ug/l
RT: 5.342 min Scan# 1250
Delta R.T. -0.027 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

Tgt Ion: 59 Resp: 683
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 32.443 ug/l

RT: 8.442 min Scan# 2406

Delta R.T. 0.003 min

Lab File: VN068465.D

Acq: 13 Sep 2021 18:43

Instrument :

MSVOA_N

ClientSampleId :

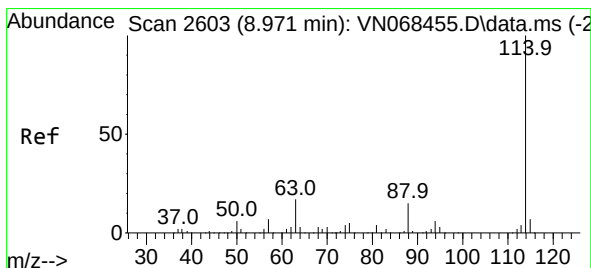
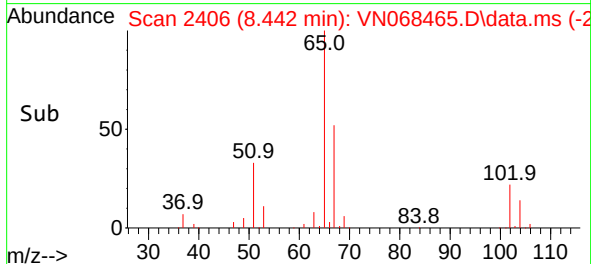
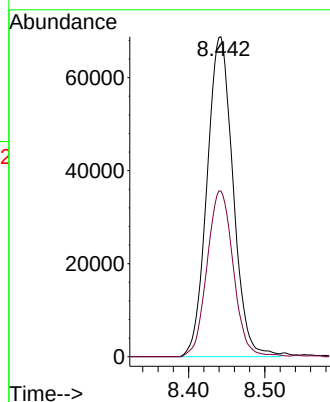
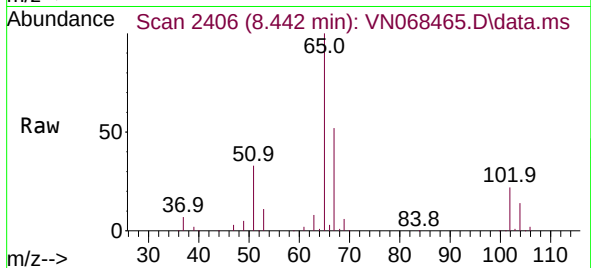
IBLK

Tgt Ion: 65 Resp: 163336

Ion Ratio Lower Upper

65 100

67 51.8 41.8 62.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. -0.000 min

Lab File: VN068465.D

Acq: 13 Sep 2021 18:43

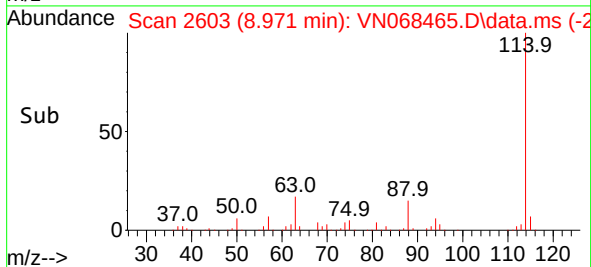
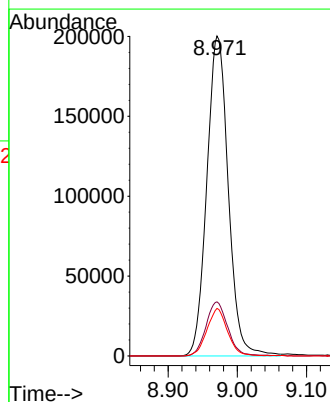
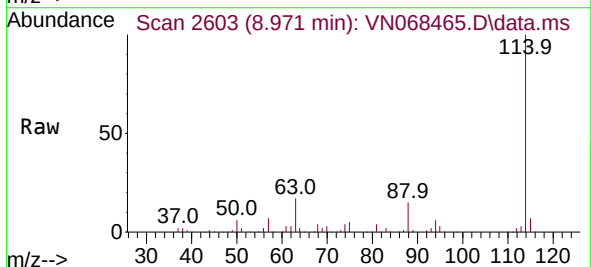
Tgt Ion: 114 Resp: 431738

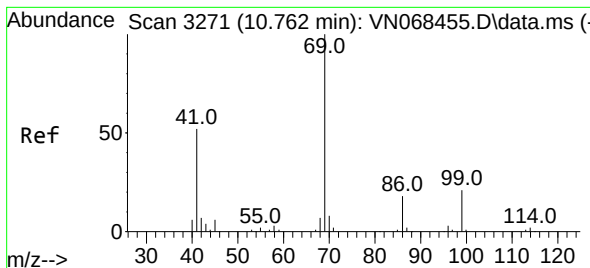
Ion Ratio Lower Upper

114 100

63 17.1 13.4 20.0

88 14.3 11.1 16.7





#51

Ethyl methacrylate

Concen: 0.277 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. -0.317 min

Lab File: VN068465.D

Acq: 13 Sep 2021 18:43

Instrument :

MSVOA_N

ClientSampleId :

IBLK

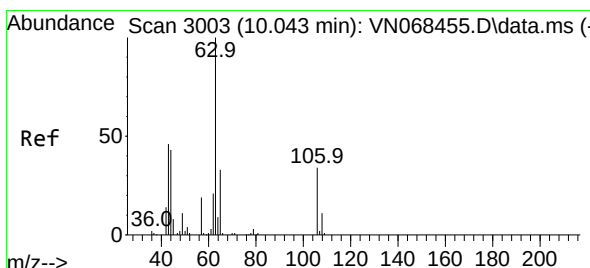
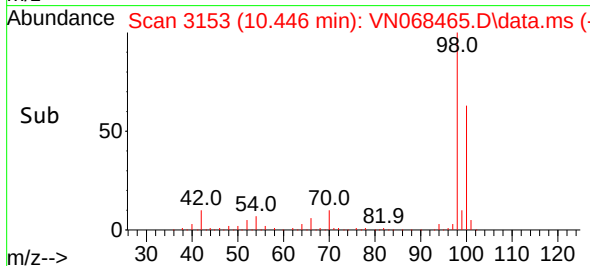
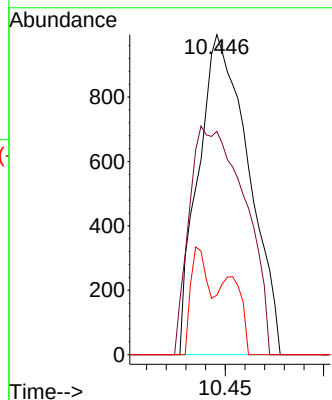
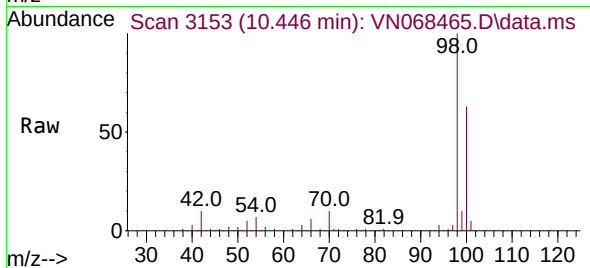
Tgt Ion: 69 Resp: 1756

Ion Ratio Lower Upper

69 100

41 69.8 26.1 78.3

39 18.6 18.0 54.0



#55

2-Chloroethyl vinyl ether

Concen: 0.295 ug/l

RT: 10.438 min Scan# 3150

Delta R.T. 0.394 min

Lab File: VN068465.D

Acq: 13 Sep 2021 18:43

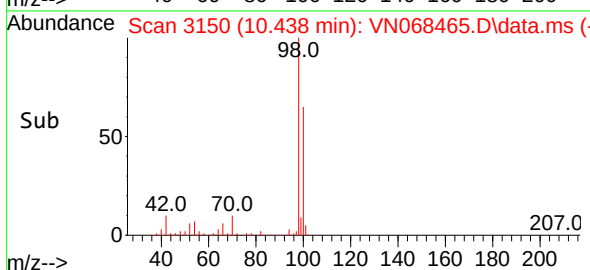
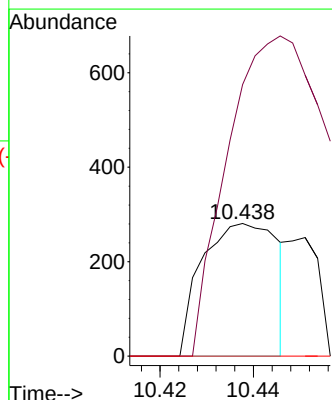
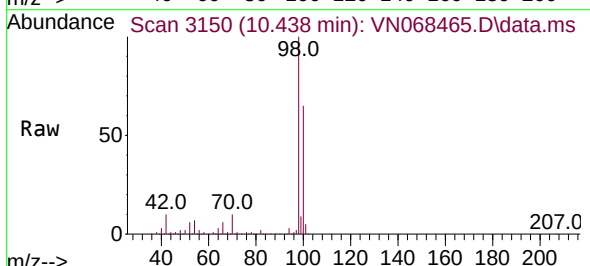
Tgt Ion: 63 Resp: 316

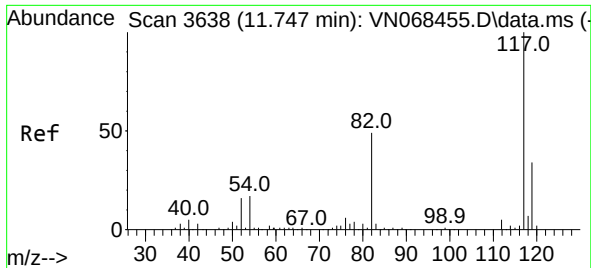
Ion Ratio Lower Upper

63 100

65 345.9 26.2 39.2#

106 0.0 27.7 41.5#

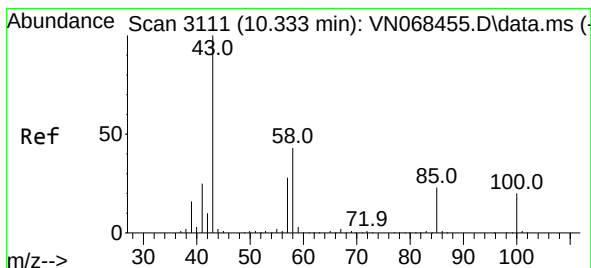
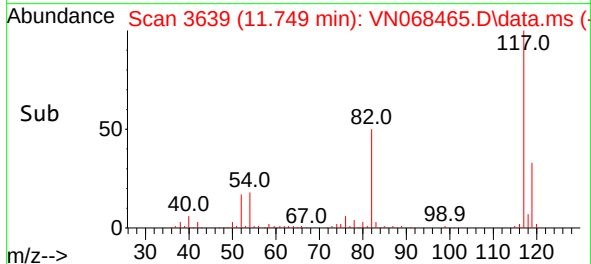
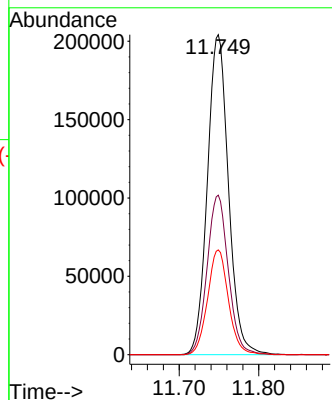
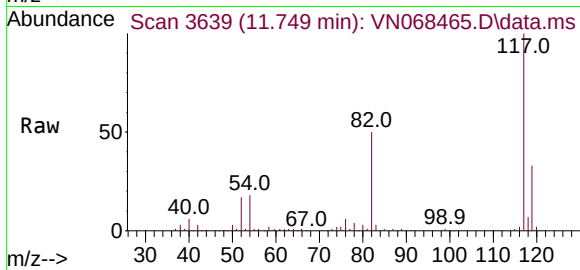




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

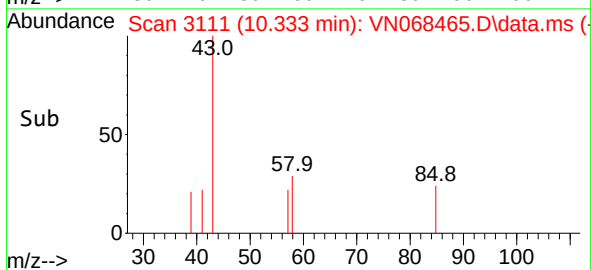
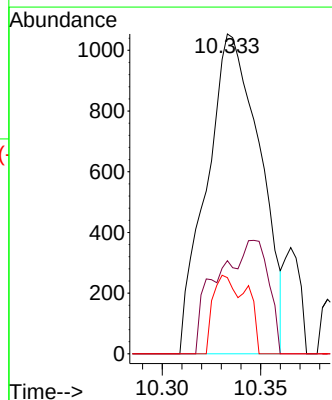
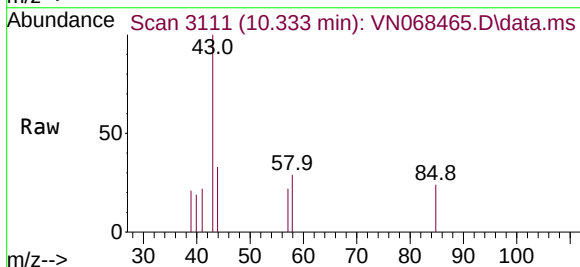
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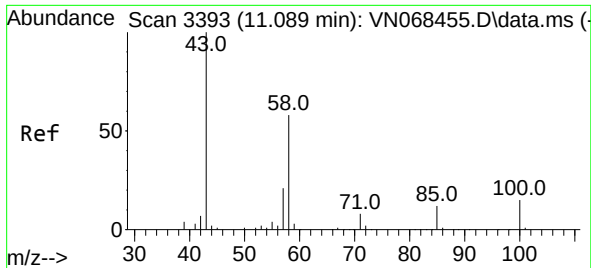
Tgt Ion:117 Resp: 376470
Ion Ratio Lower Upper
117 100
82 50.3 39.4 59.0
119 32.4 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 0.448 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

Tgt Ion: 43 Resp: 1984
Ion Ratio Lower Upper
43 100
58 9.4 33.3 49.9#
85 10.6 18.6 27.8#

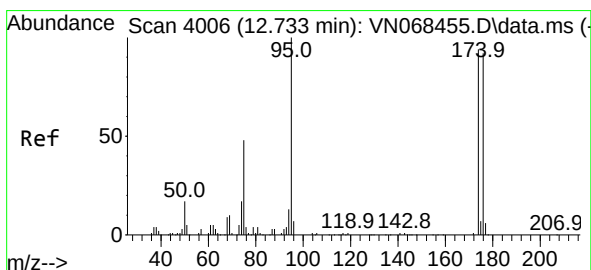
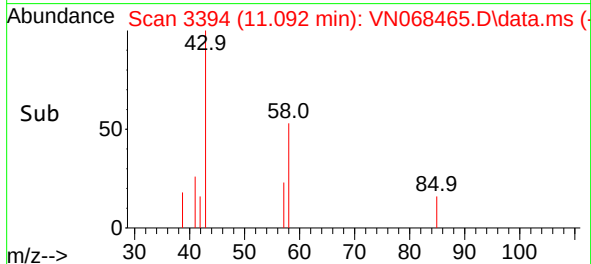
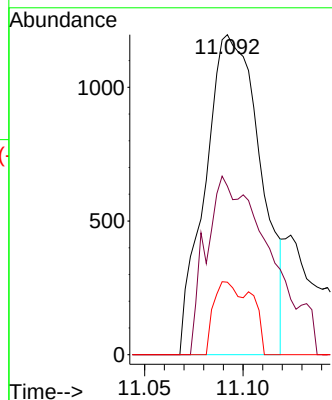
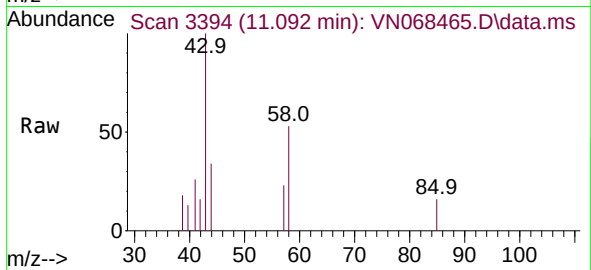




#59
2-Hexanone
Concen: 0.766 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

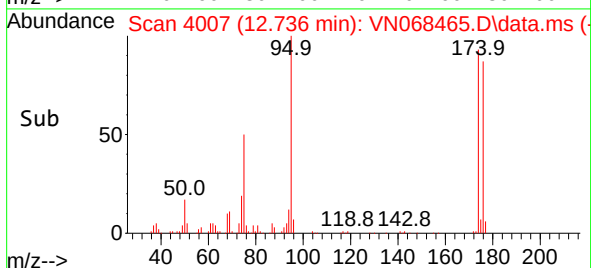
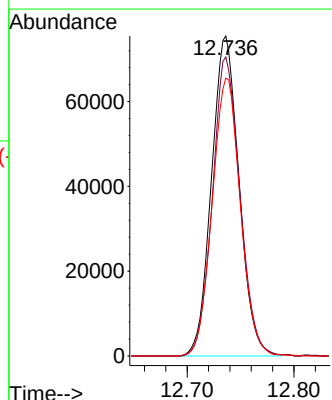
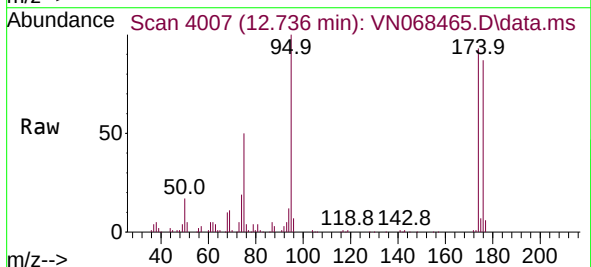
Instrument :
MSVOA_N
ClientSampleId :
IBLK

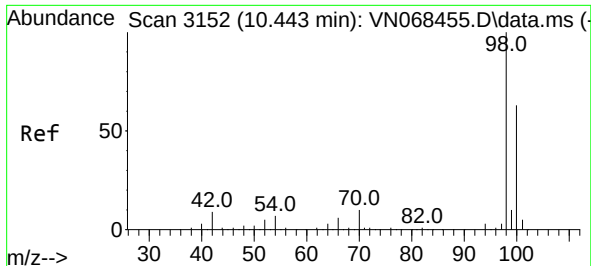
Tgt Ion: 43 Resp: 2354
Ion Ratio Lower Upper
43 100
58 10.6 46.4 69.6#
57 11.1 16.6 25.0#



#60
4-Bromofluorobenzene
Concen: 25.146 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

Tgt Ion: 95 Resp: 134934
Ion Ratio Lower Upper
95 100
174 93.3 78.0 117.0
176 88.8 76.4 114.6

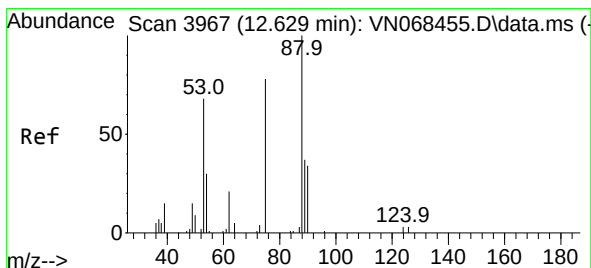
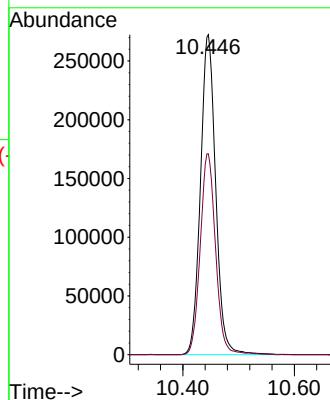
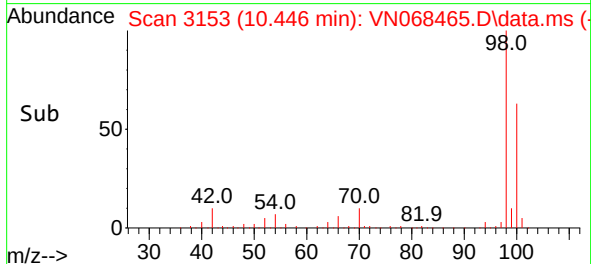
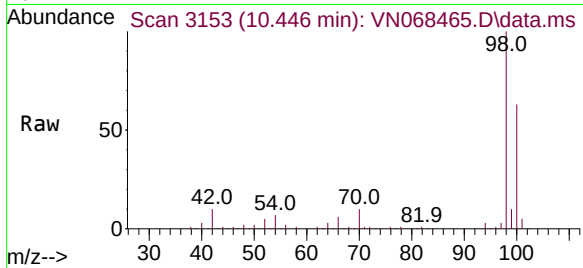




#63
Toluene-d8
Concen: 31.556 ug/l
RT: 10.446 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

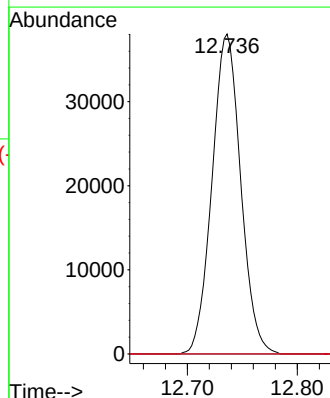
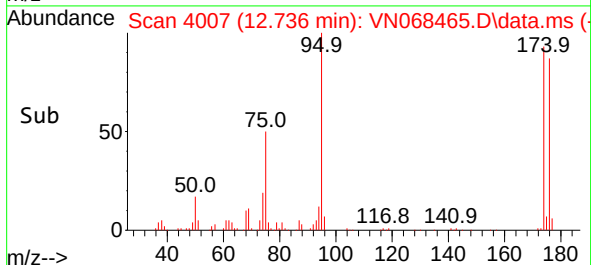
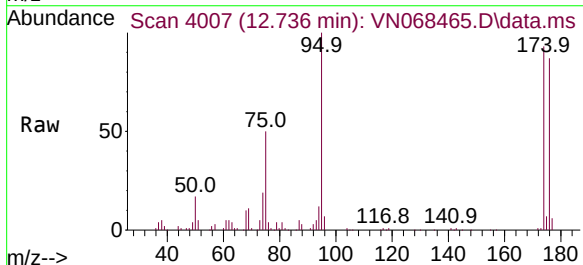
Instrument :
MSVOA_N
ClientSampleId :
IBLK

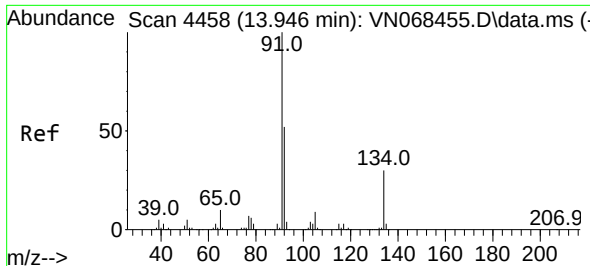
Tgt Ion: 98 Resp: 516815
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3



#77
t-1,4-Dichloro-2-butene
Concen: 41.407 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

Tgt Ion: 75 Resp: 68896
Ion Ratio Lower Upper
75 100
53 0.0 43.8 131.4#
89 0.0 26.2 78.6#

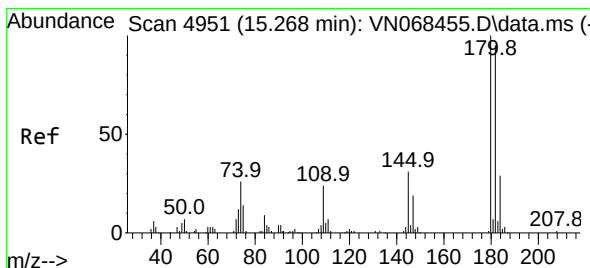
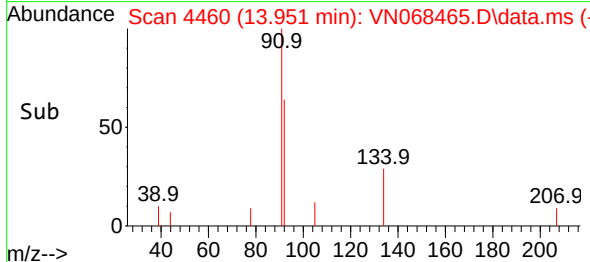
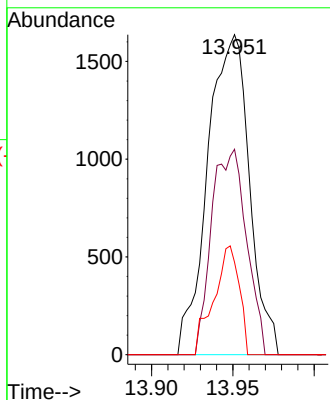
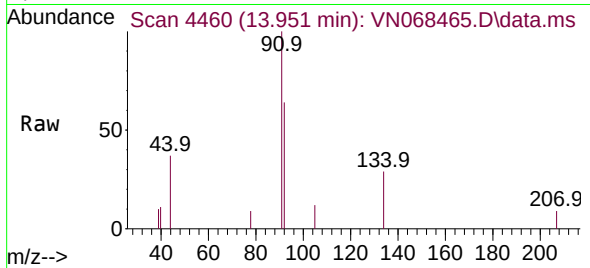




#85
n-Butylbenzene
Concen: 0.213 ug/l
RT: 13.951 min Scan# 4458
Delta R.T. 0.005 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

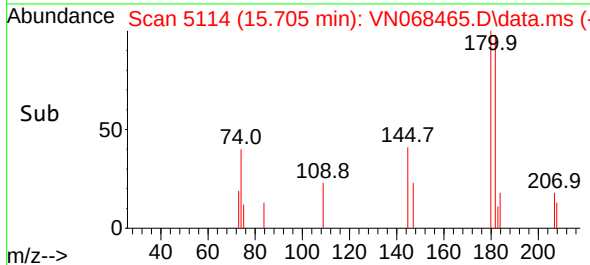
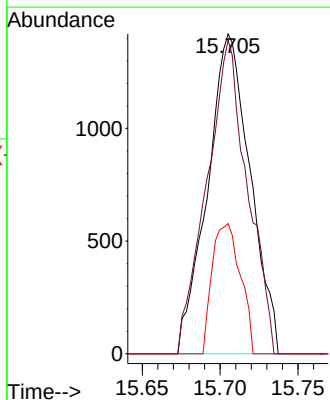
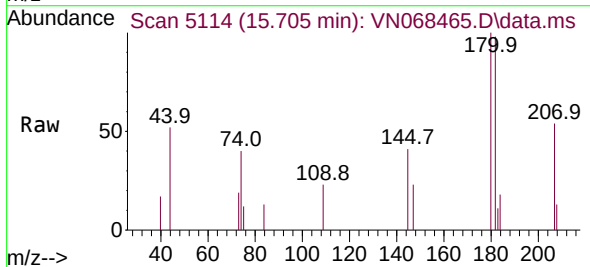
Instrument :
MSVOA_N
ClientSampleId :
IBLK

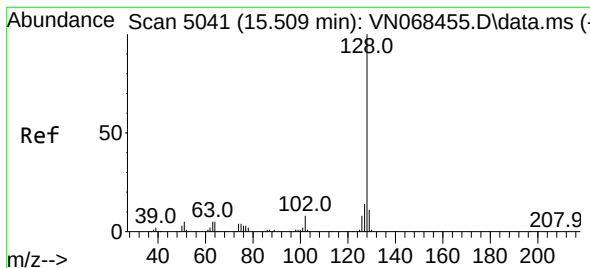
Tgt Ion: 91	Resp:	2926
Ion Ratio	Lower	Upper
91	100	
92	25.3	0.0 102.4
134	18.5	0.0 58.8



#89
1,2,4-Trichlorobenzene
Concen: 0.529 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.437 min
Lab File: VN068465.D
Acq: 13 Sep 2021 18:43

Tgt Ion: 180	Resp:	2699
Ion Ratio	Lower	Upper
180	100	
182	93.6	77.0 115.4
145	26.8	24.6 36.8





#91

Naphthalene

Concen: 0.709 ug/l

RT: 15.509 min Scan# 5041

Delta R.T. -0.000 min

Lab File: VN068465.D

Acq: 13 Sep 2021 18:43

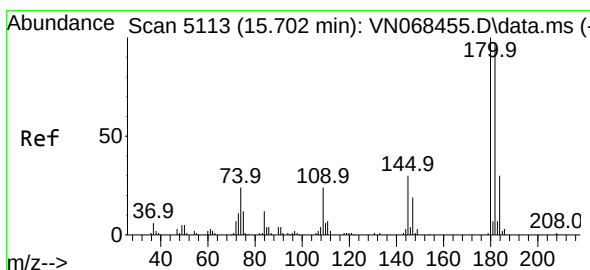
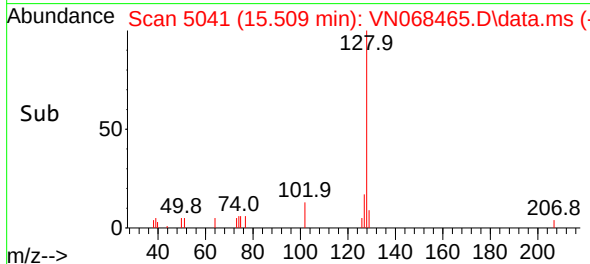
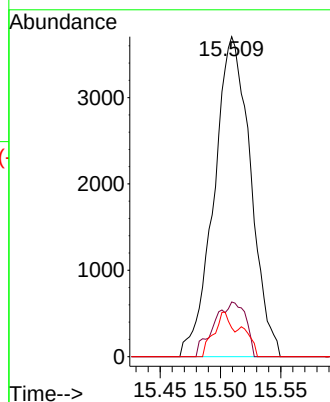
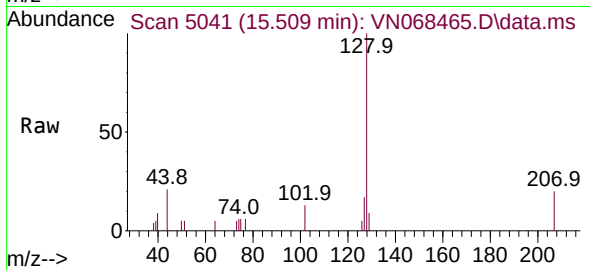
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:	128	Resp:	7798
Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.6	15.8#
129	3.3	8.8	13.2#



#92

1,2,3-Trichlorobenzene

Concen: 0.562 ug/l

RT: 15.705 min Scan# 5114

Delta R.T. 0.003 min

Lab File: VN068465.D

Acq: 13 Sep 2021 18:43

Tgt Ion:	180	Resp:	2699
Ion	Ratio	Lower	Upper
180	100		
182	93.6	0.0	191.2
145	26.8	0.0	61.8

