

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072020\
 Data File : VN062559.D
 Acq On : 20 Jul 2020 14:05
 Operator : JC/MD
 Sample : L3331-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE-(JULY)

Quant Time: Jul 21 01:25:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	36059	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	187426	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	176340	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	96141	31.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.47%
60) 4-Bromofluorobenzene	12.38	95	78823	26.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.57%
63) Toluene-d8	10.06	98	240514	28.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.20%

Target Compounds

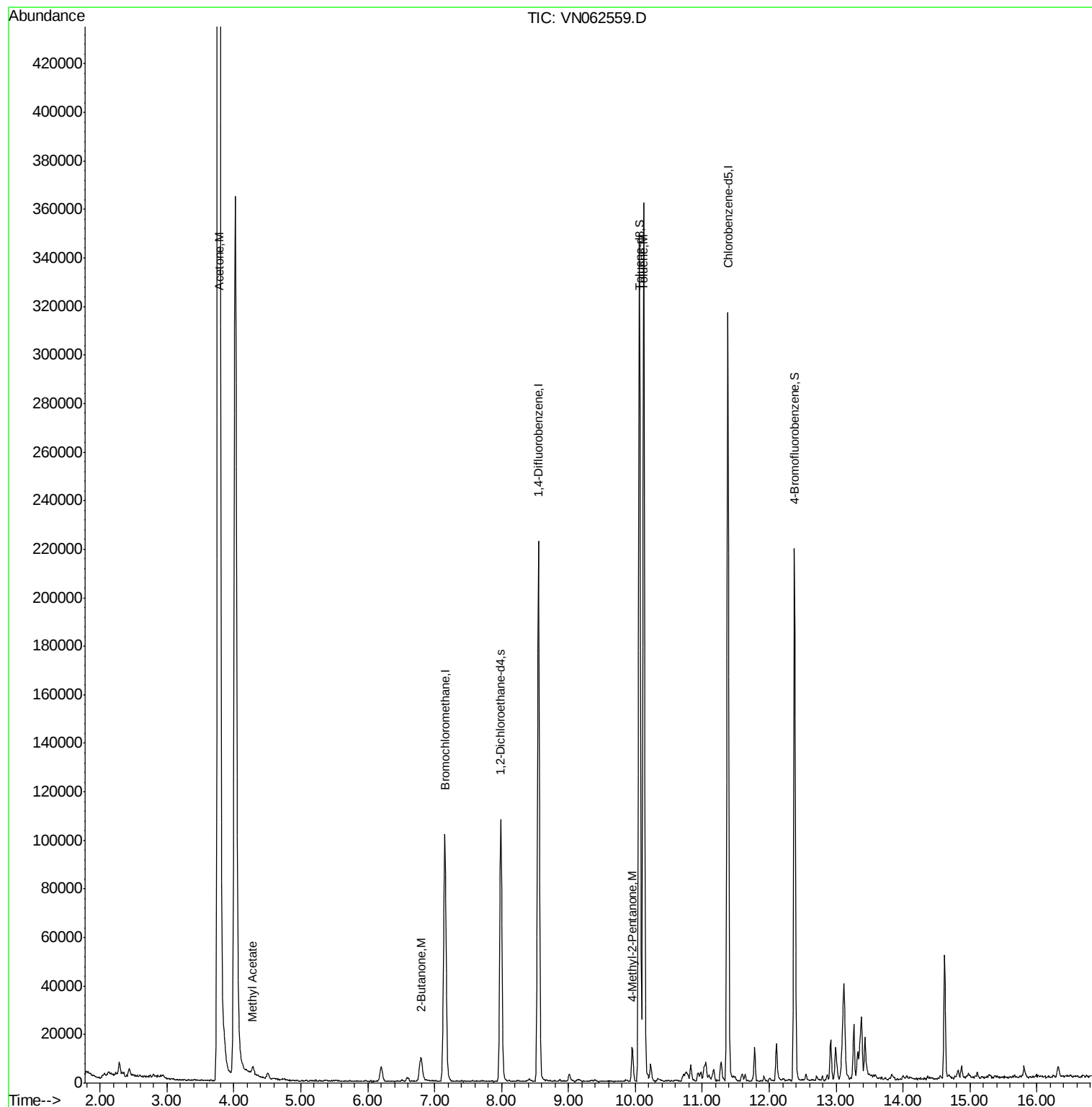
					Ovalue
12) Methyl Acetate	4.28	43	6759m	2.427	ug/l
15) Acetone	3.78	58	516875	1300.023	ug/l
30) 2-Butanone	6.80	43	18839	11.173	ug/l #
58) 4-Methyl-2-Pentanone	9.96	43	10883	3.168	ug/l
62) Toluene	10.13	91	272819	27.271	ug/l

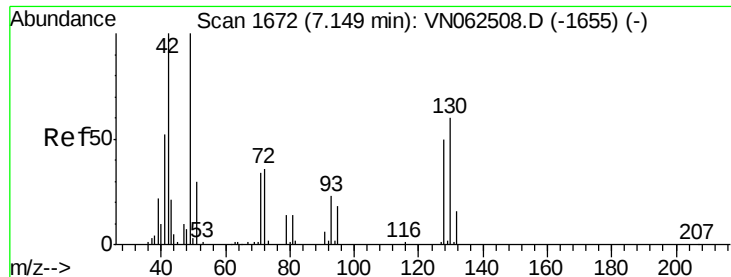
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062559.D

Acq: 20 Jul 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE-(JULY)

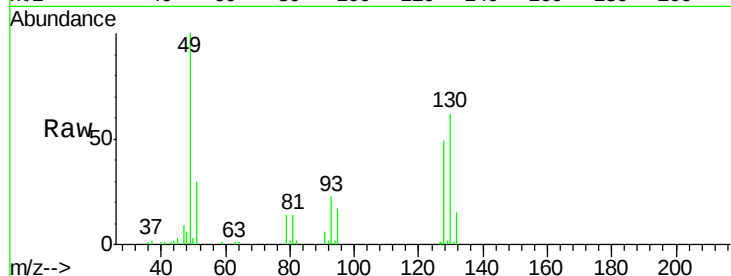
Tot Ion:128 Resp: 36059

Ion Ratio Lower Upper

128 100

49 203.1 0.0 525.0

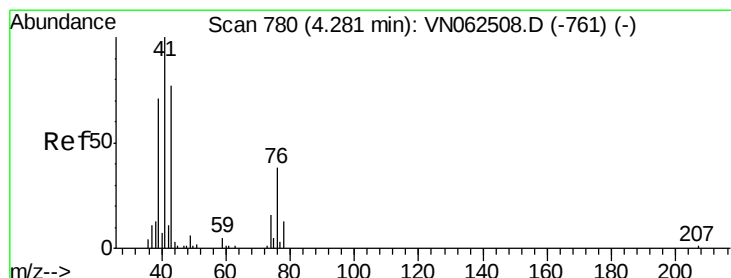
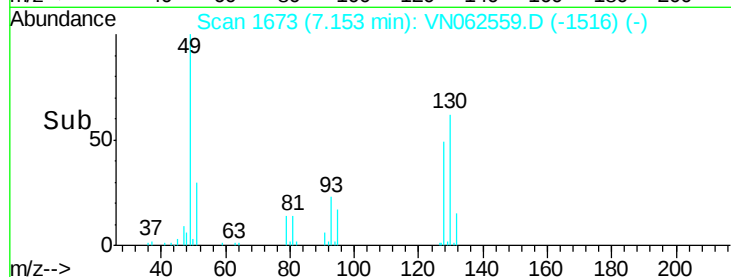
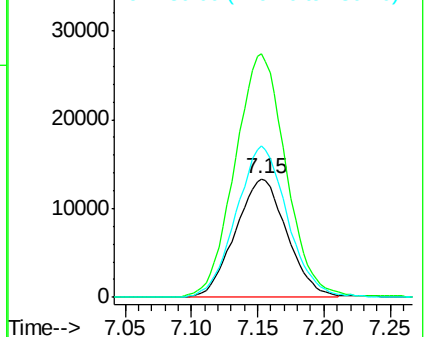
130 126.9 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 2.427 ug/l m

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062559.D

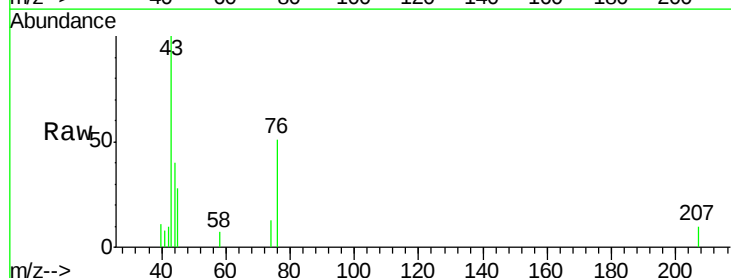
Acq: 20 Jul 2020 14:05

Tgt Ion: 43 Resp: 6759

Ion Ratio Lower Upper

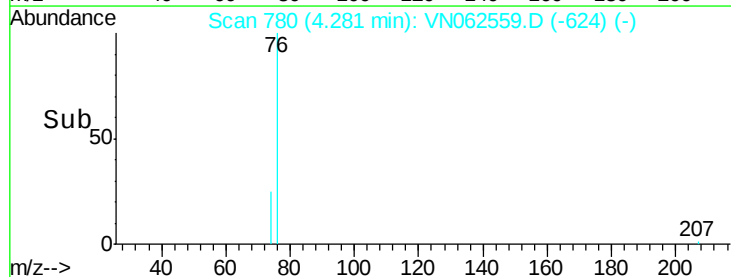
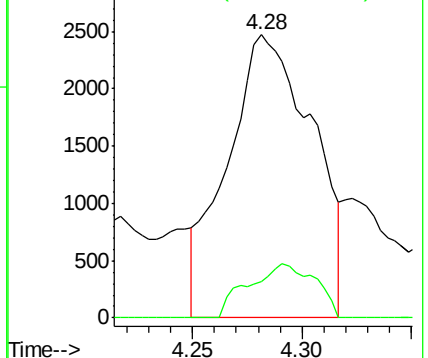
43 100

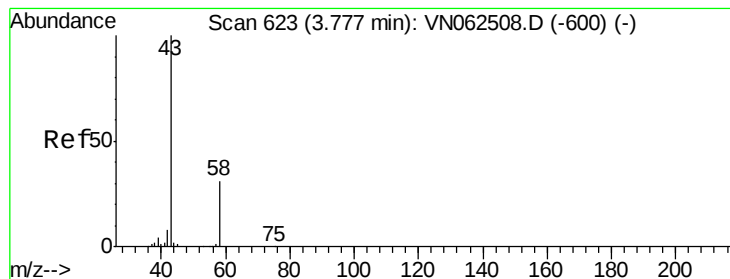
74 12.7 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 1300.023 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062559.D

Acq: 20 Jul 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

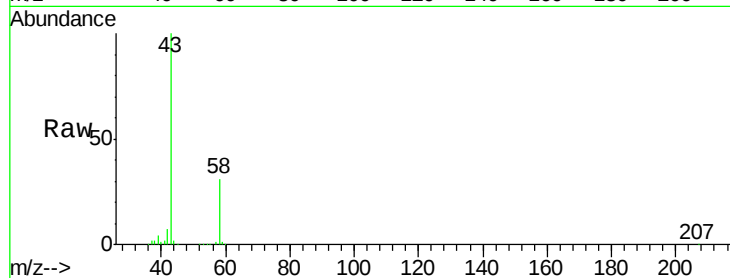
002-35TH-AVE-(JULY)

Tot Ion: 58 Resp: 516875

Ion Ratio Lower Upper

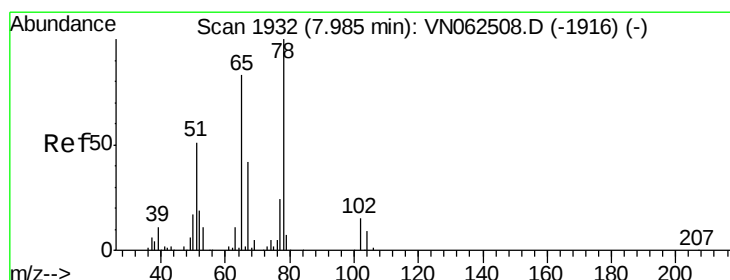
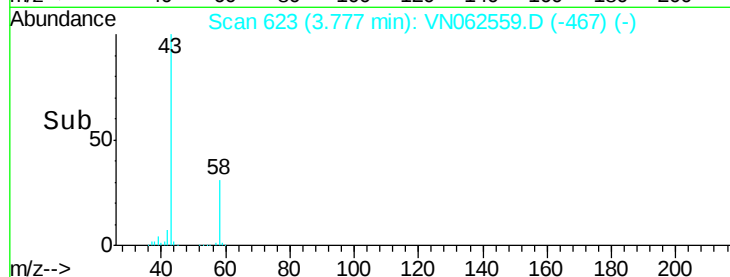
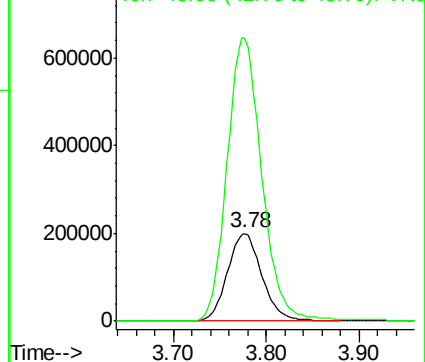
58 100

43 321.5 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#27

1,2-Dichloroethane-d4

Concen: 31.036 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062559.D

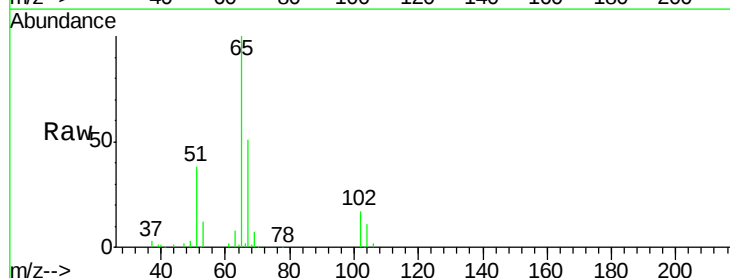
Acq: 20 Jul 2020 14:05

Tgt Ion: 65 Resp: 96141

Ion Ratio Lower Upper

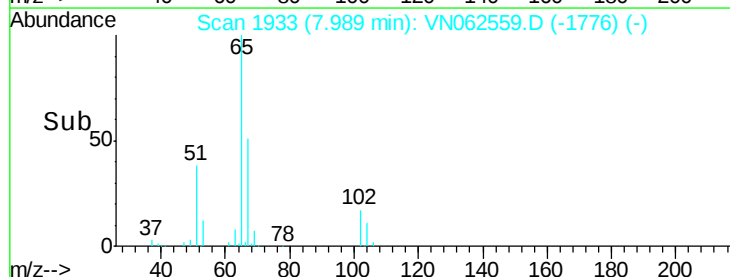
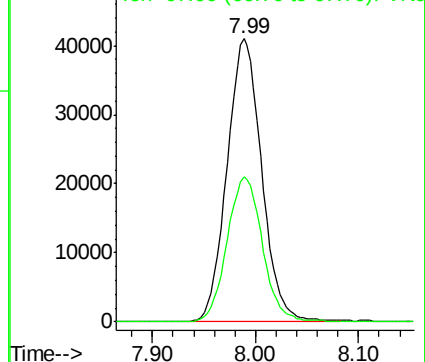
65 100

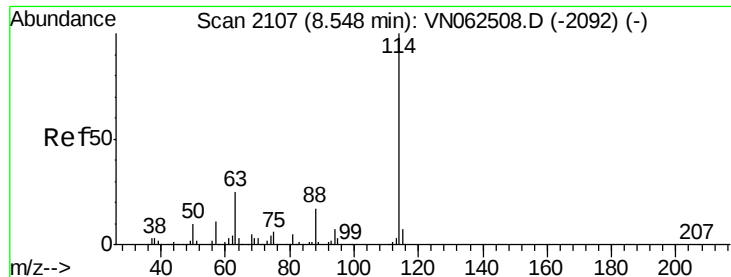
67 52.1 41.7 62.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

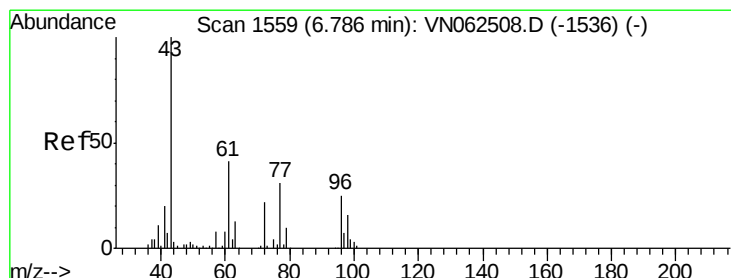
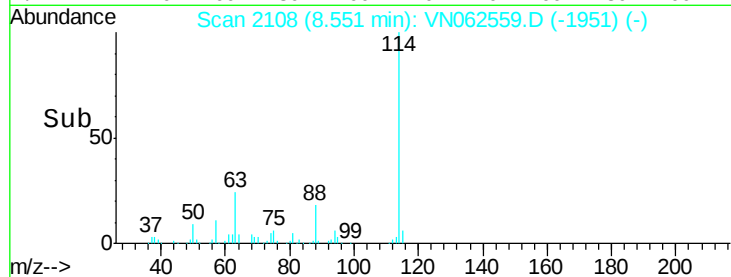
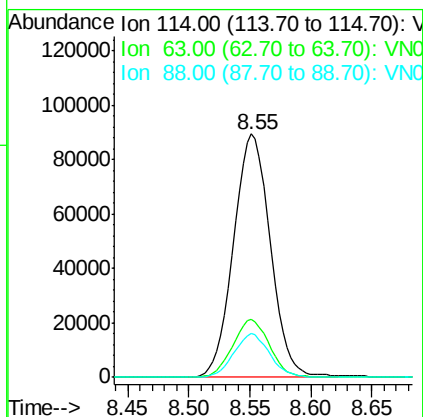
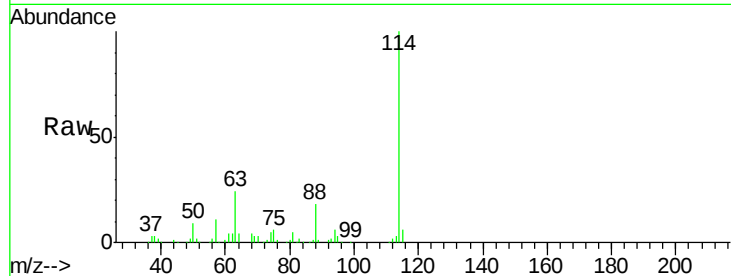




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062559.D
 Acq: 20 Jul 2020 14:05

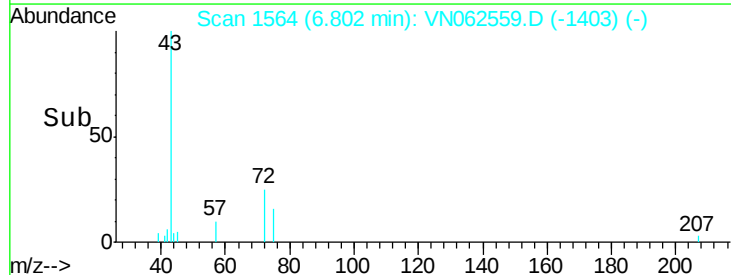
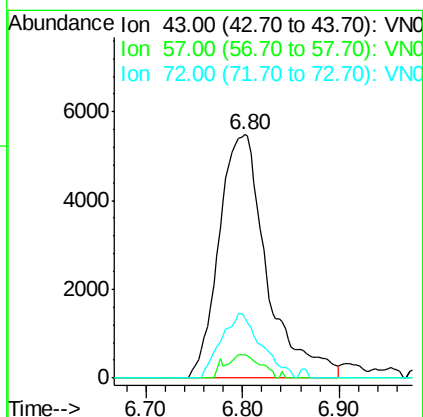
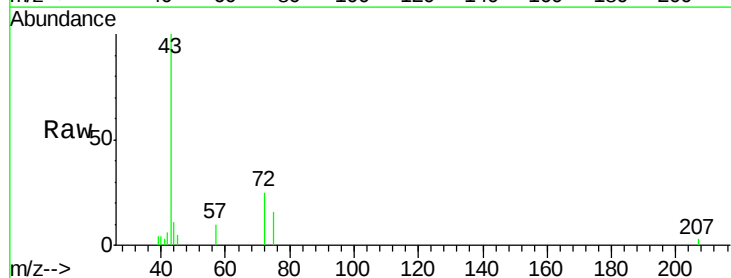
Instrument :
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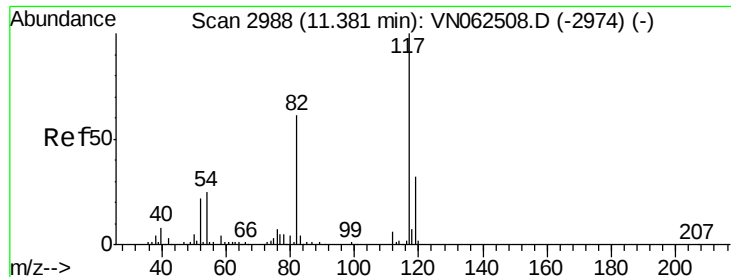
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.4	29.0
88	17.4	13.5	20.3



#30
 2-Butanone
 Concen: 11.173 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.02 min
 Lab File: VN062559.D
 Acq: 20 Jul 2020 14:05

Tgt Ion	Ratio	Lower	Upper
43	100		
57	6.1	6.6	9.8#
72	21.6	18.5	27.7

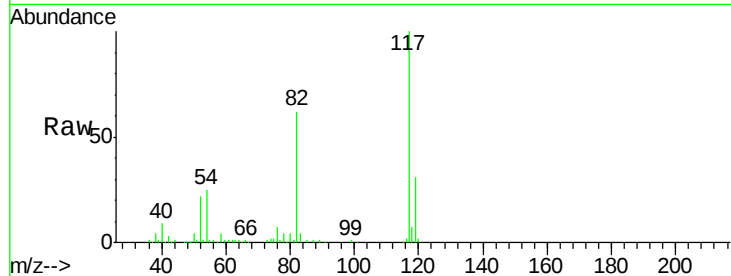




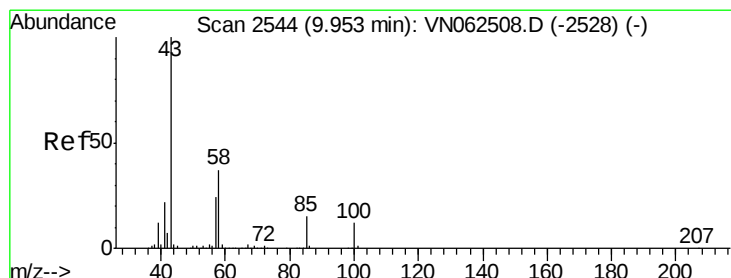
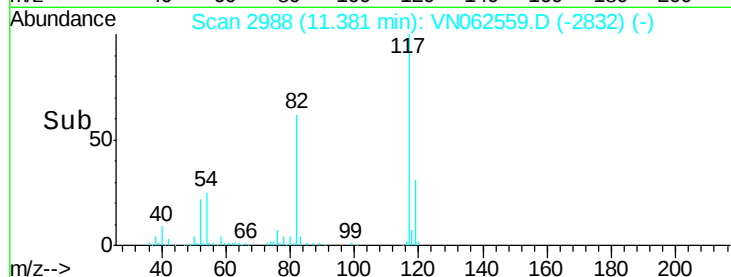
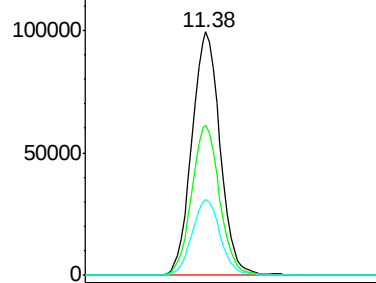
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062559.D
Acq: 20 Jul 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE-(JULY)

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	49.0	73.6
119	31.3	25.6	38.4

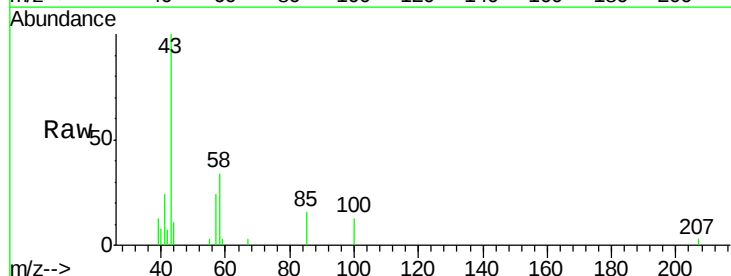


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

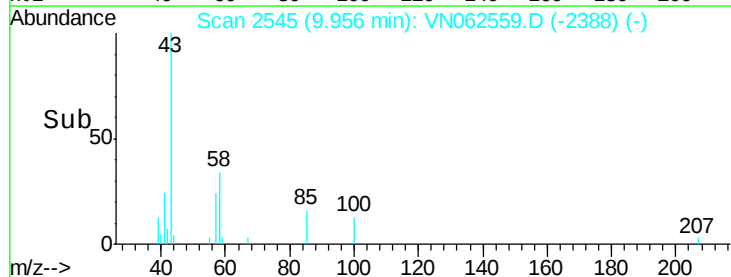
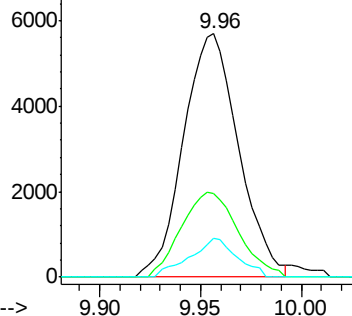


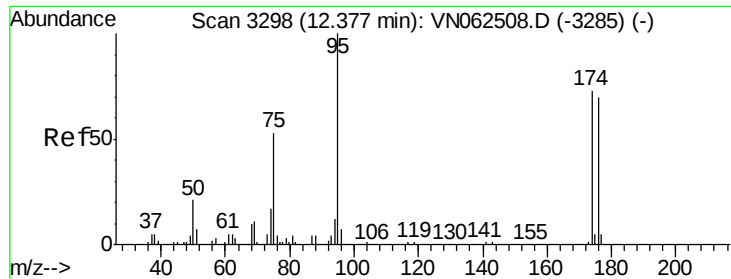
#58
4-Methyl-2-Pentanone
Concen: 3.168 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062559.D
Acq: 20 Jul 2020 14:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.6	44.4
85	13.6	12.0	18.0



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

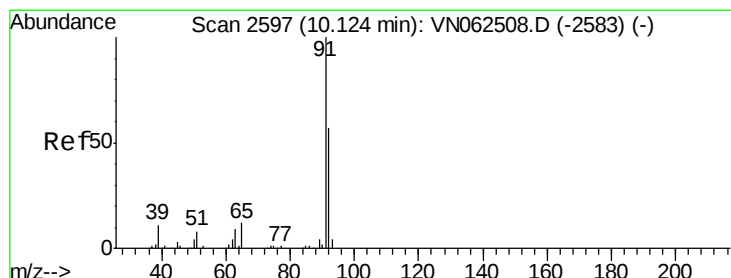
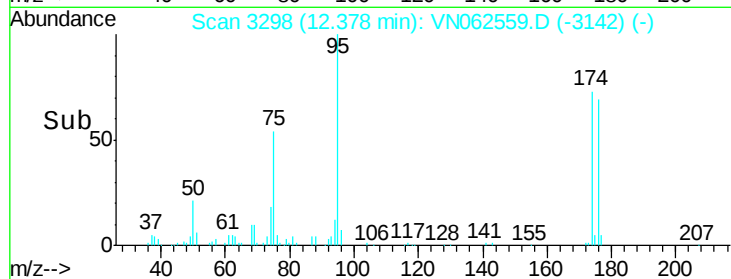
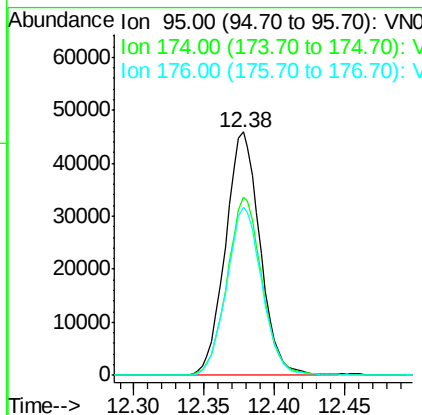
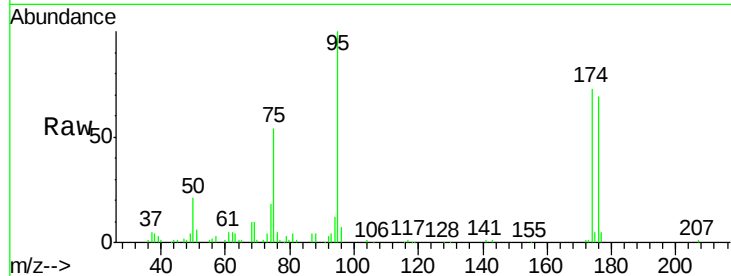




#60
 4-Bromofluorobenzene
 Concen: 26.267 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062559.D
 Acq: 20 Jul 2020 14:05

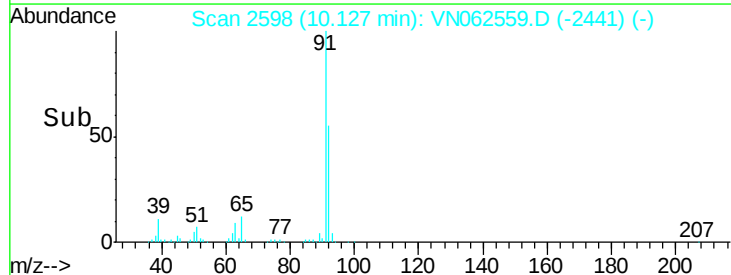
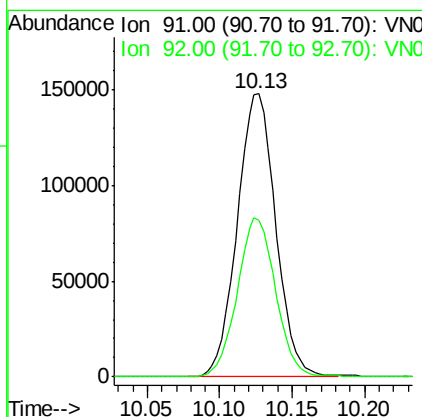
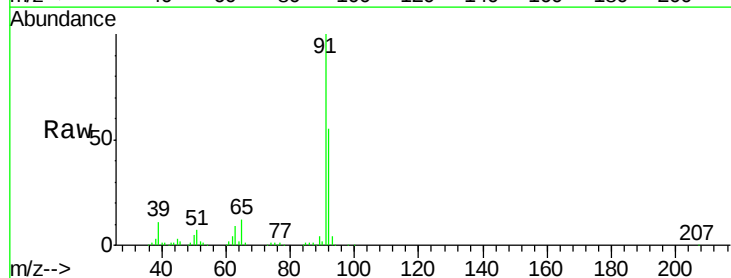
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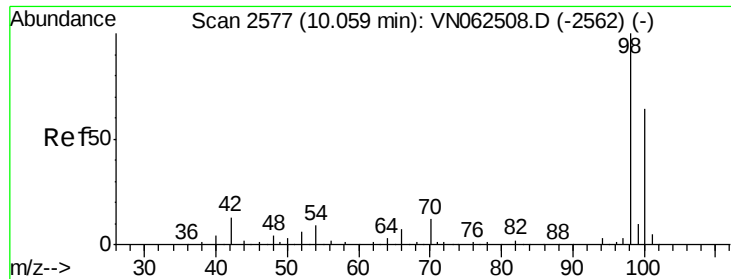
Tot Ion: 95 Resp: 78823
 Ion Ratio Lower Upper
 95 100
 174 74.0 57.5 86.3
 176 70.5 56.3 84.5



#62
 Toluene
 Concen: 27.271 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN062559.D
 Acq: 20 Jul 2020 14:05

Tgt Ion: 91 Resp: 272819
 Ion Ratio Lower Upper
 91 100
 92 56.1 45.8 68.6





#63

Toluene-d8

Concen: 28.864 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062559.D

Acq: 20 Jul 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE-(JULY)

Tot Ion: 98 Resp: 240514

Ion Ratio Lower Upper

98 100

100 63.7 50.4 75.6

