

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059126.D
 Acq On : 7 Nov 2019 17:00
 Operator : JC/SP
 Sample : K5726-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Nov 08 03:14:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	70954	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	389806	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	348559	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	171578	28.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.97%
60) 4-Bromofluorobenzene	12.40	95	159570	26.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.23%
63) Toluene-d8	10.08	98	480932	29.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.40%

Target Compounds

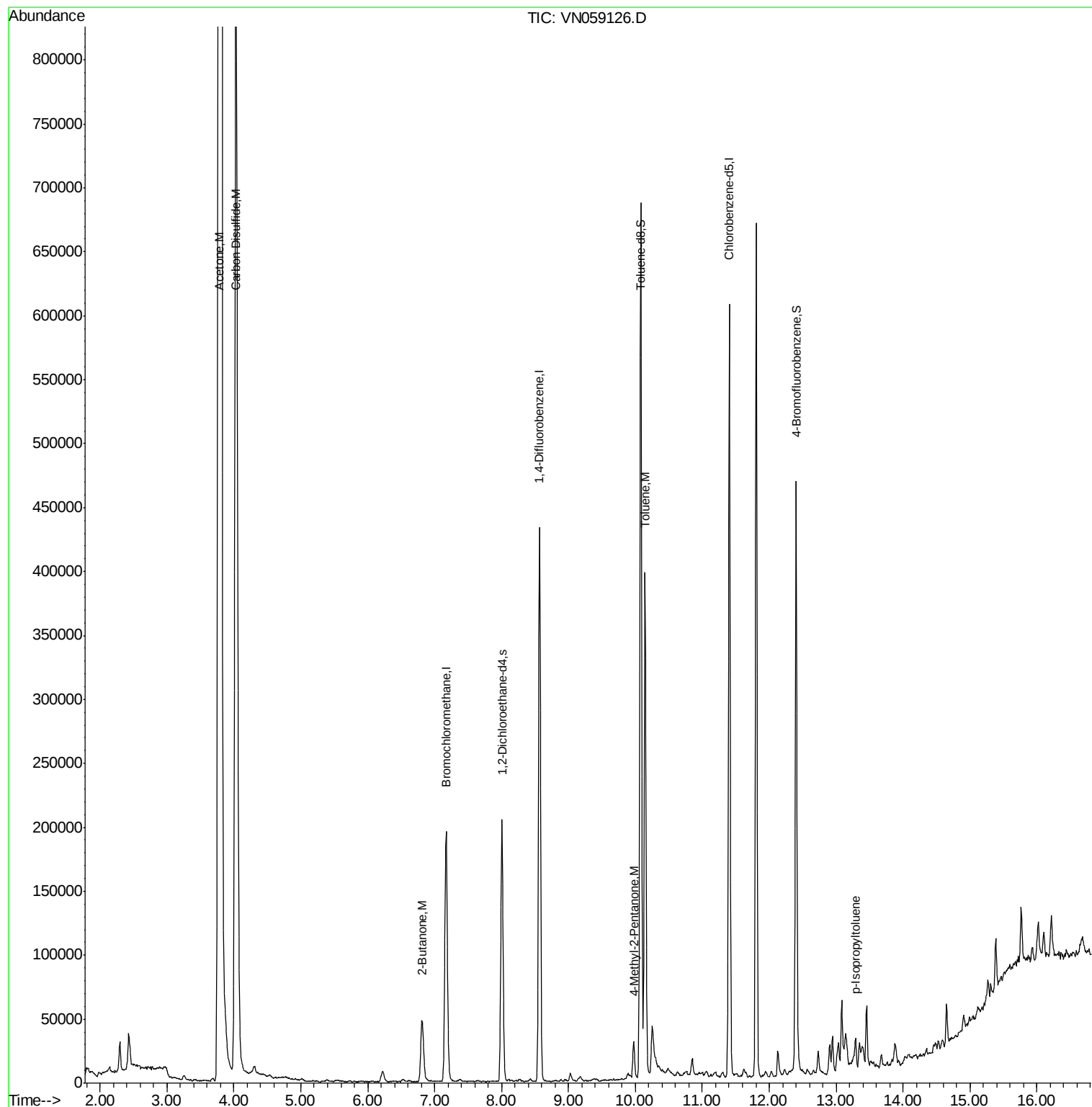
					Ovalue	
15) Acetone	3.79	58	3010146	4332.942	ug/l	# 36
16) Carbon Disulfide	4.03	76	7931	0.732	ug/l	# 95
30) 2-Butanone	6.82	43	92110	26.564	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	20215	3.179	ug/l	100
62) Toluene	10.15	91	302743	16.147	ug/l	99
82) p-Isopropyltoluene	13.29	119	6952	0.387	ug/l	98

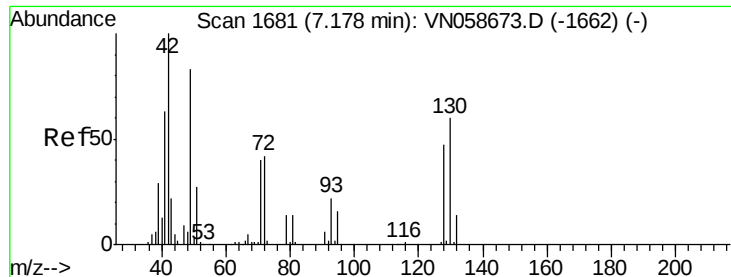
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN059126.D

Acq: 7 Nov 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE-(NOV)

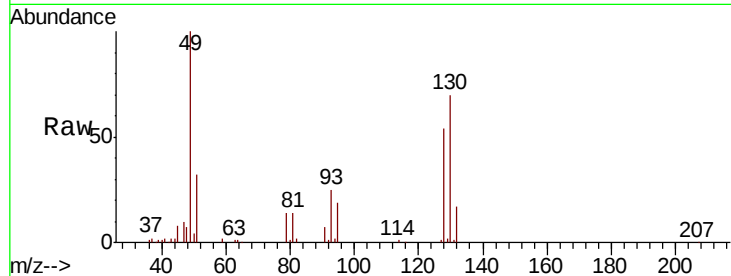
Tot Ion:128 Resp: 70954

Ion Ratio Lower Upper

128 100

49 183.1 0.0 453.5

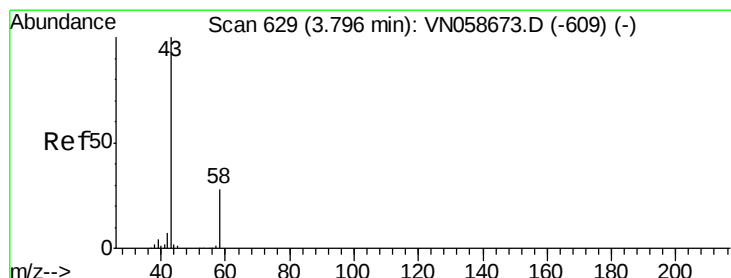
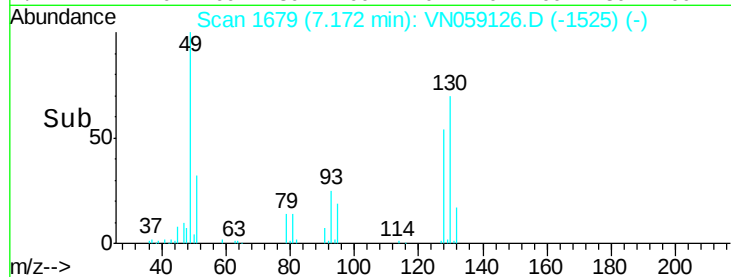
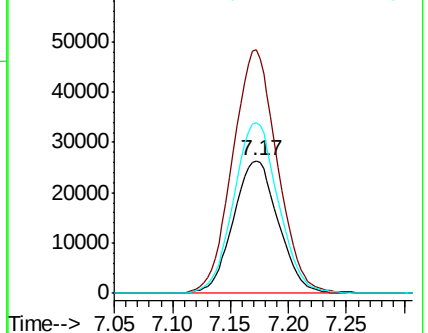
130 128.2 0.0 314.2



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



#15

Acetone

Concen: 4332.942 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN059126.D

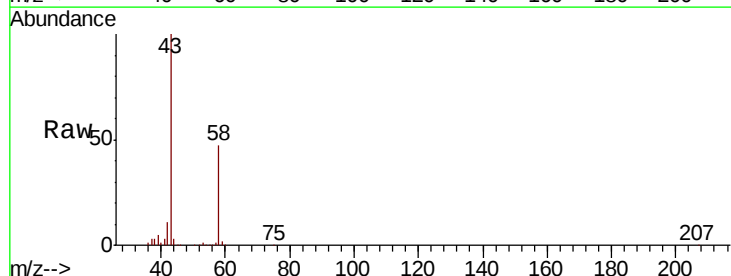
Acq: 7 Nov 2019 17:00

Tgt Ion: 58 Resp: 3010146

Ion Ratio Lower Upper

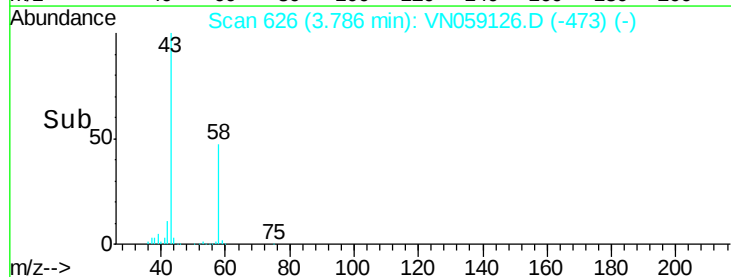
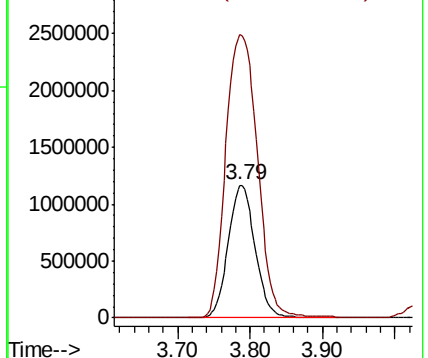
58 100

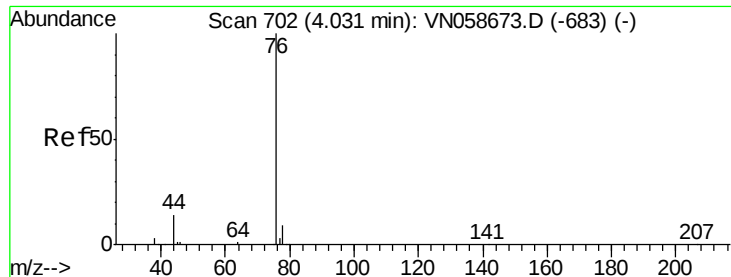
43 213.4 281.7 422.5#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

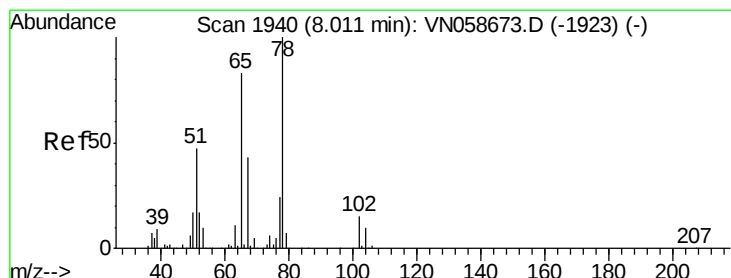
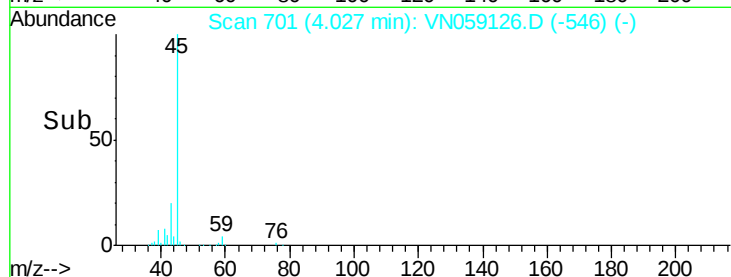
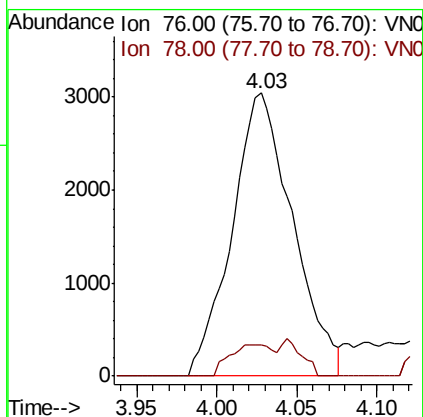
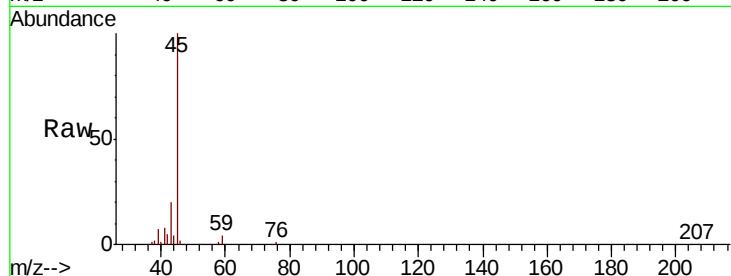




#16
Carbon Disulfide
Concen: 0.732 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

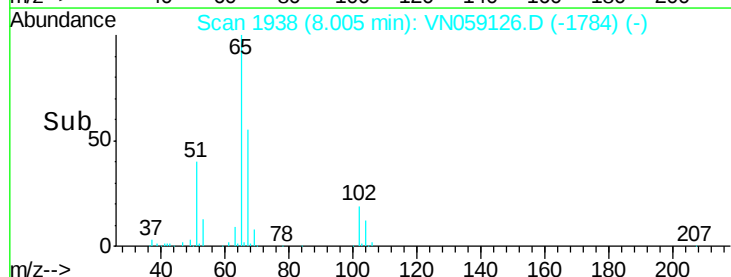
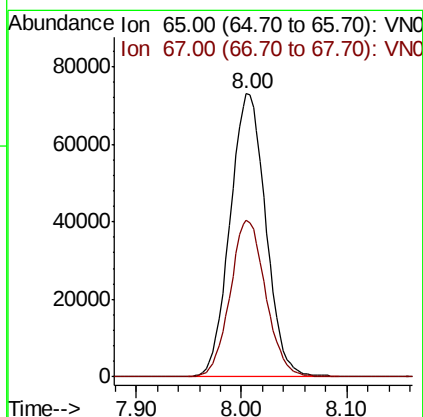
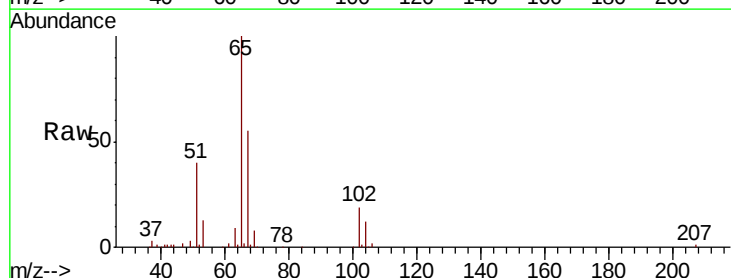
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE-(NOV)

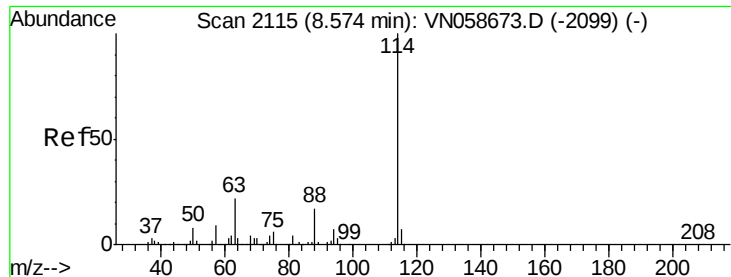
Tot Ion: 76 Resp: 7931
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.0#



#27
1,2-Dichloroethane-d4
Concen: 28.491 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.01 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

Tgt Ion: 65 Resp: 171578
Ion Ratio Lower Upper
65 100
67 54.9 41.5 62.3

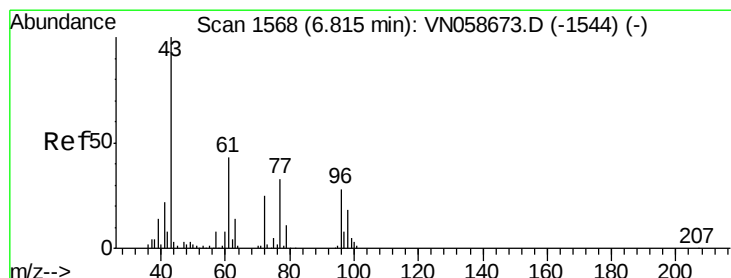
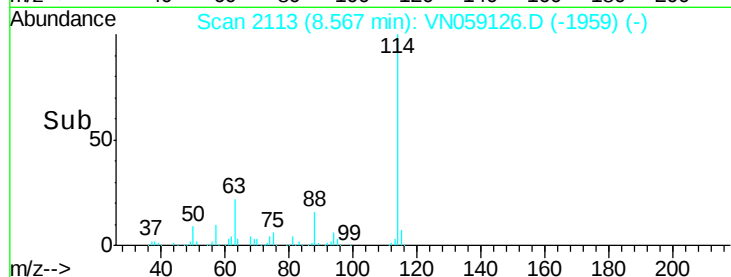
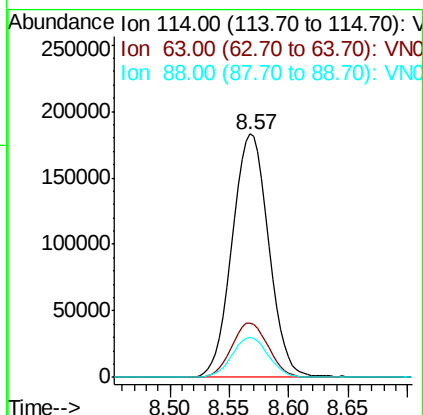
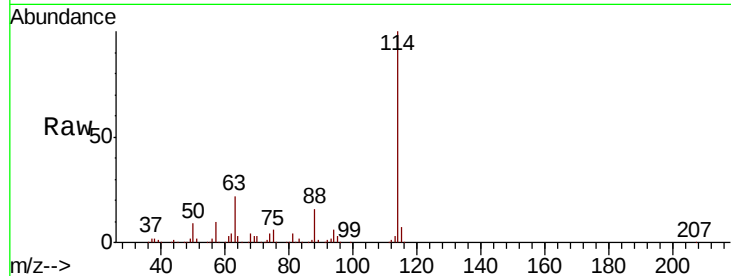




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.01 min
 Lab File: VN059126.D
 Acq: 7 Nov 2019 17:00

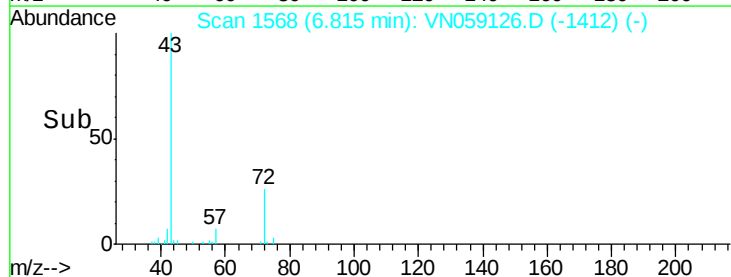
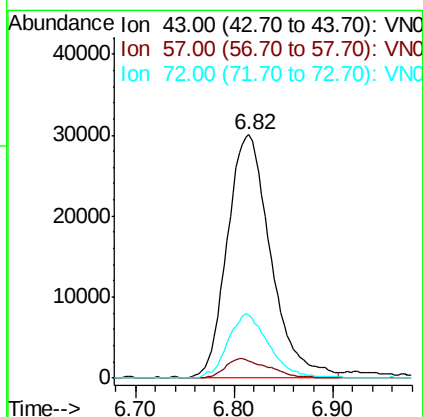
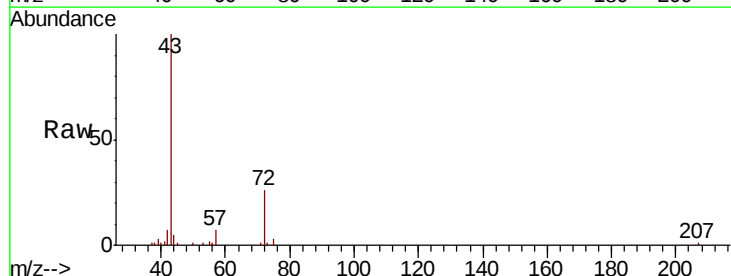
Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE-(NOV)

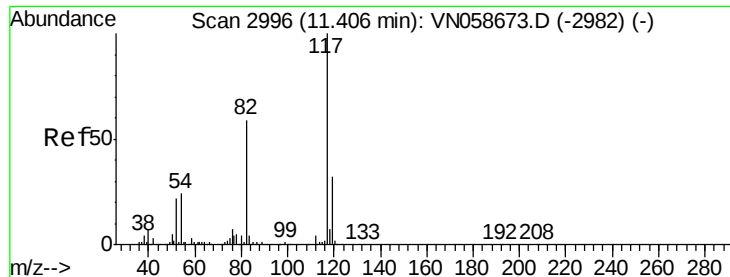
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	18.1	27.1
88	16.3	13.0	19.4



#30
 2-Butanone
 Concen: 26.564 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN059126.D
 Acq: 7 Nov 2019 17:00

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.5	9.7
72	24.8	20.1	30.1





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059126.D

Acq: 7 Nov 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE-(NOV)

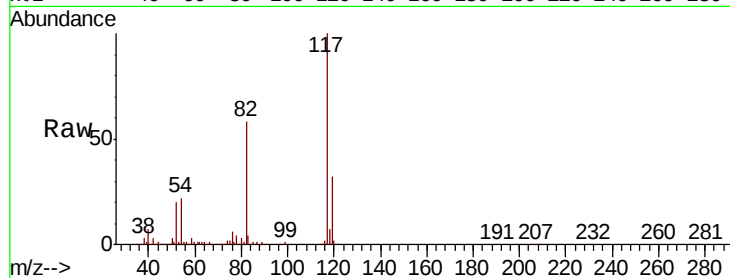
Tot Ion:117 Resp: 348559

Ion Ratio Lower Upper

117 100

82 57.5 46.9 70.3

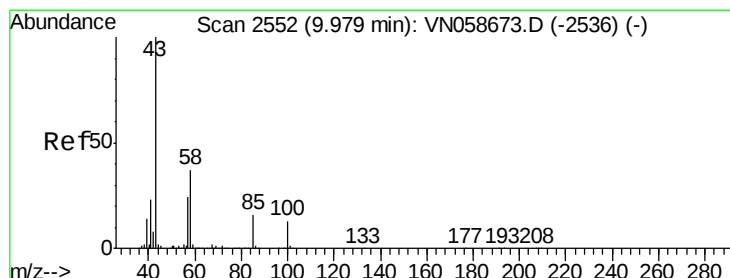
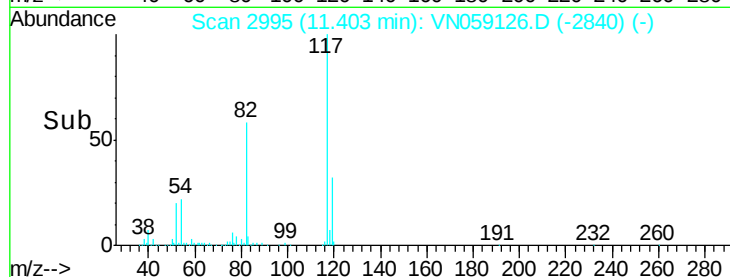
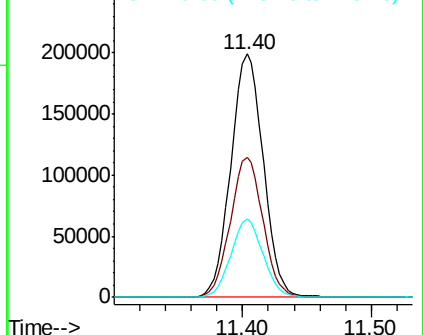
119 32.0 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VNO

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 3.179 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN059126.D

Acq: 7 Nov 2019 17:00

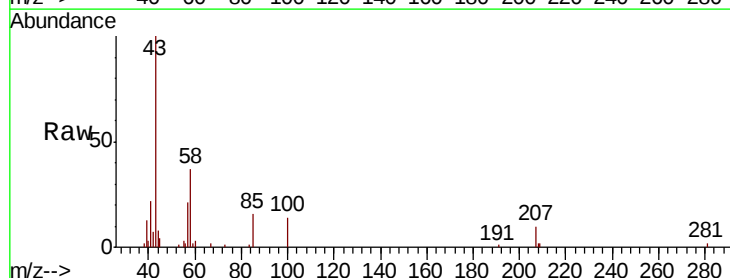
Tgt Ion: 43 Resp: 20215

Ion Ratio Lower Upper

43 100

58 37.6 30.1 45.1

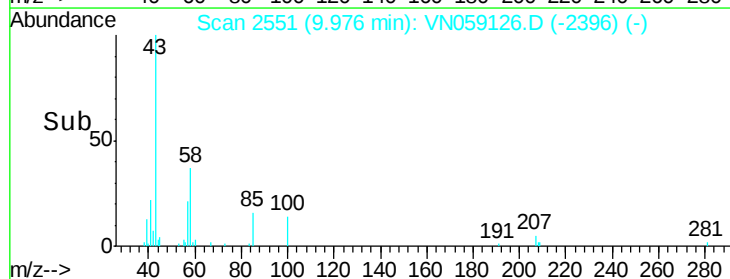
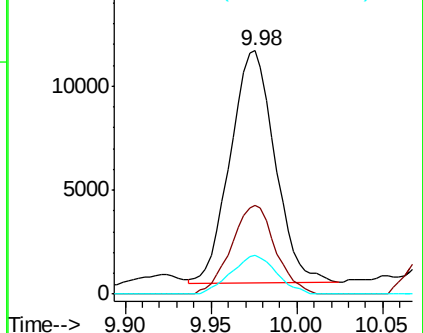
85 16.9 13.2 19.8

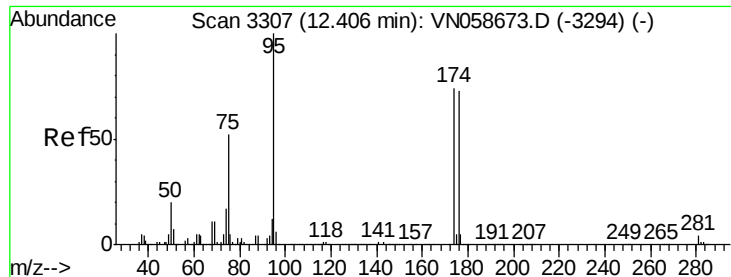


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

Ion 85.00 (84.70 to 85.70): VNO

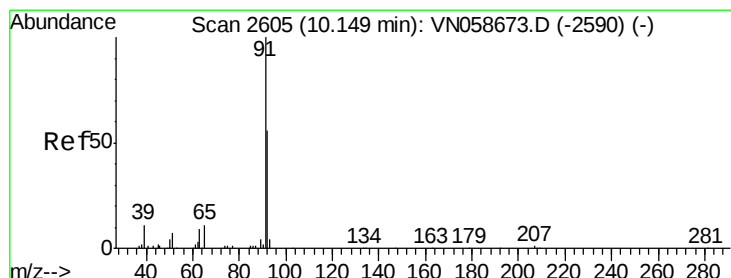
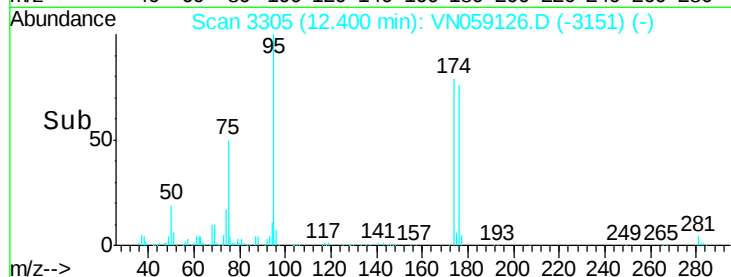
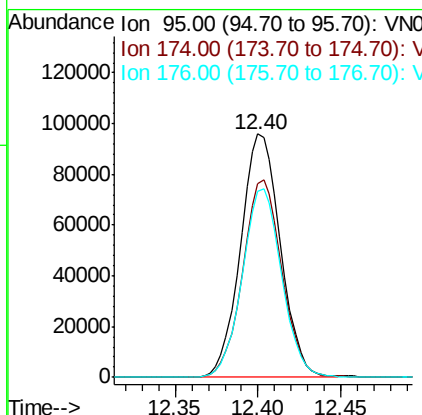
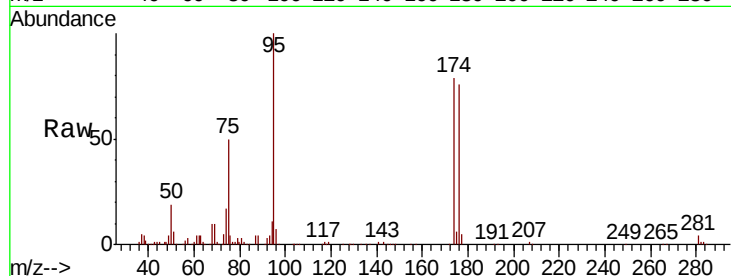




#60
4-Bromofluorobenzene
Concen: 26.171 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.01 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

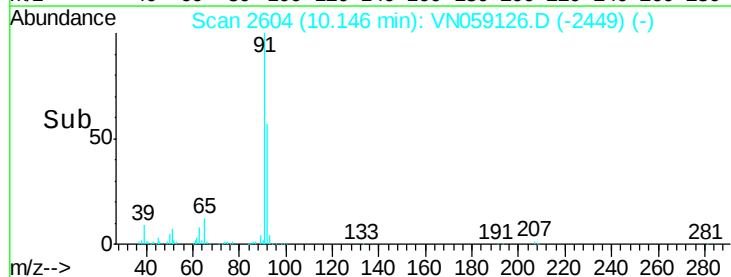
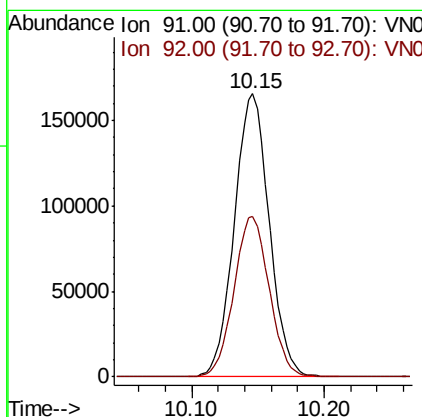
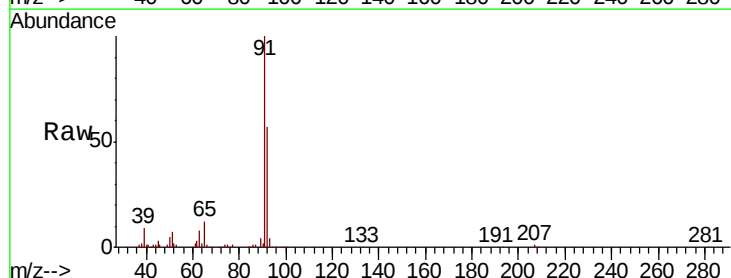
Instrument :
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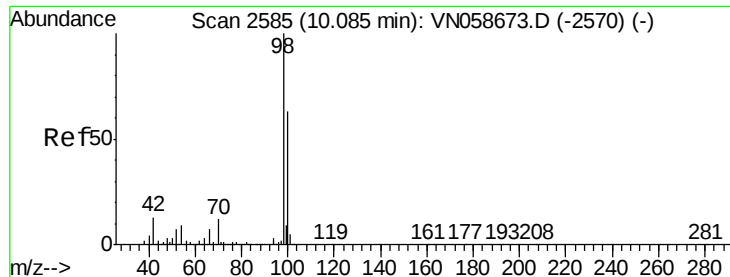
Tot Ion	95	Resp	159570
Ion Ratio	Lower	Upper	
95	100		
174	79.9	59.9	89.9
176	76.7	58.3	87.5



#62
Toluene
Concen: 16.147 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

Tgt Ion	91	Resp	302743
Ion Ratio	Lower	Upper	
91	100		
92	57.2	45.4	68.2





#63

Toluene-d8

Concen: 29.223 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.01 min

Lab File: VN059126.D

Acq: 7 Nov 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

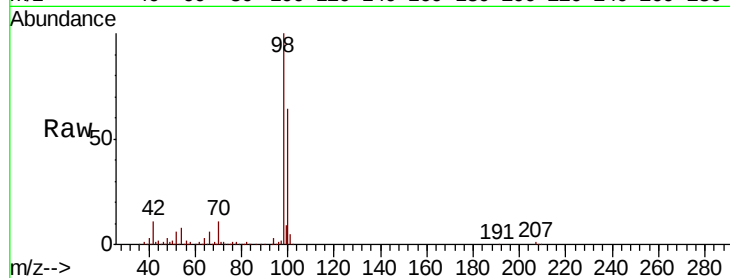
002-35TH-AVE-(NOV)

Tot Ion: 98 Resp: 480932

Ion Ratio Lower Upper

98 100

100 64.8 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

250000

200000

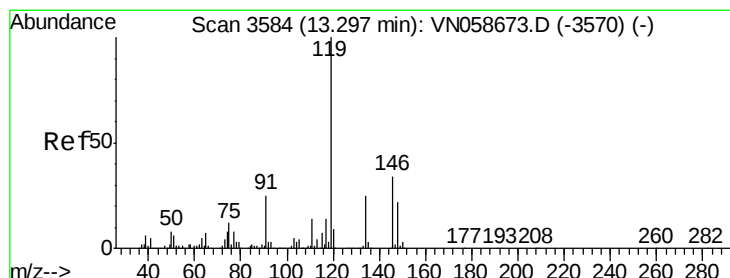
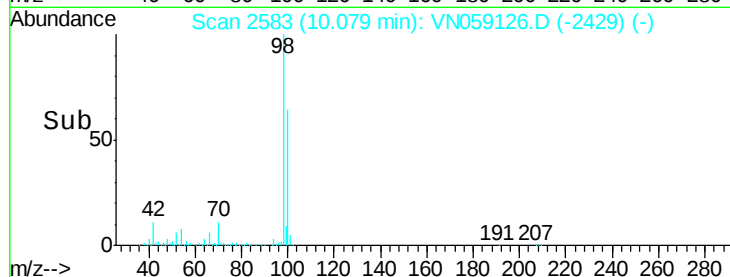
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 0.387 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN059126.D

Acq: 7 Nov 2019 17:00

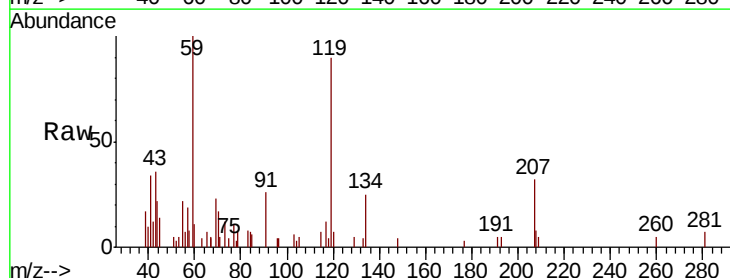
Tgt Ion: 119 Resp: 6952

Ion Ratio Lower Upper

119 100

134 26.8 0.0 50.8

91 24.0 0.0 49.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VN0

13.29

5000

4000

3000

2000

1000

0

Time-->

