

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101518\
 Data File : VN051867.D
 Acq On : 15 Oct 2018 12:02
 Operator : MD\SY
 Sample : J5512-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE-SEP

Quant Time: Oct 16 01:16:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	116505	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	649953	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	544880	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	216295	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	12.40	95	199122	25.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	84.47%
63) Toluene-d8	10.09	98	737924	31.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.97%

Target Compounds

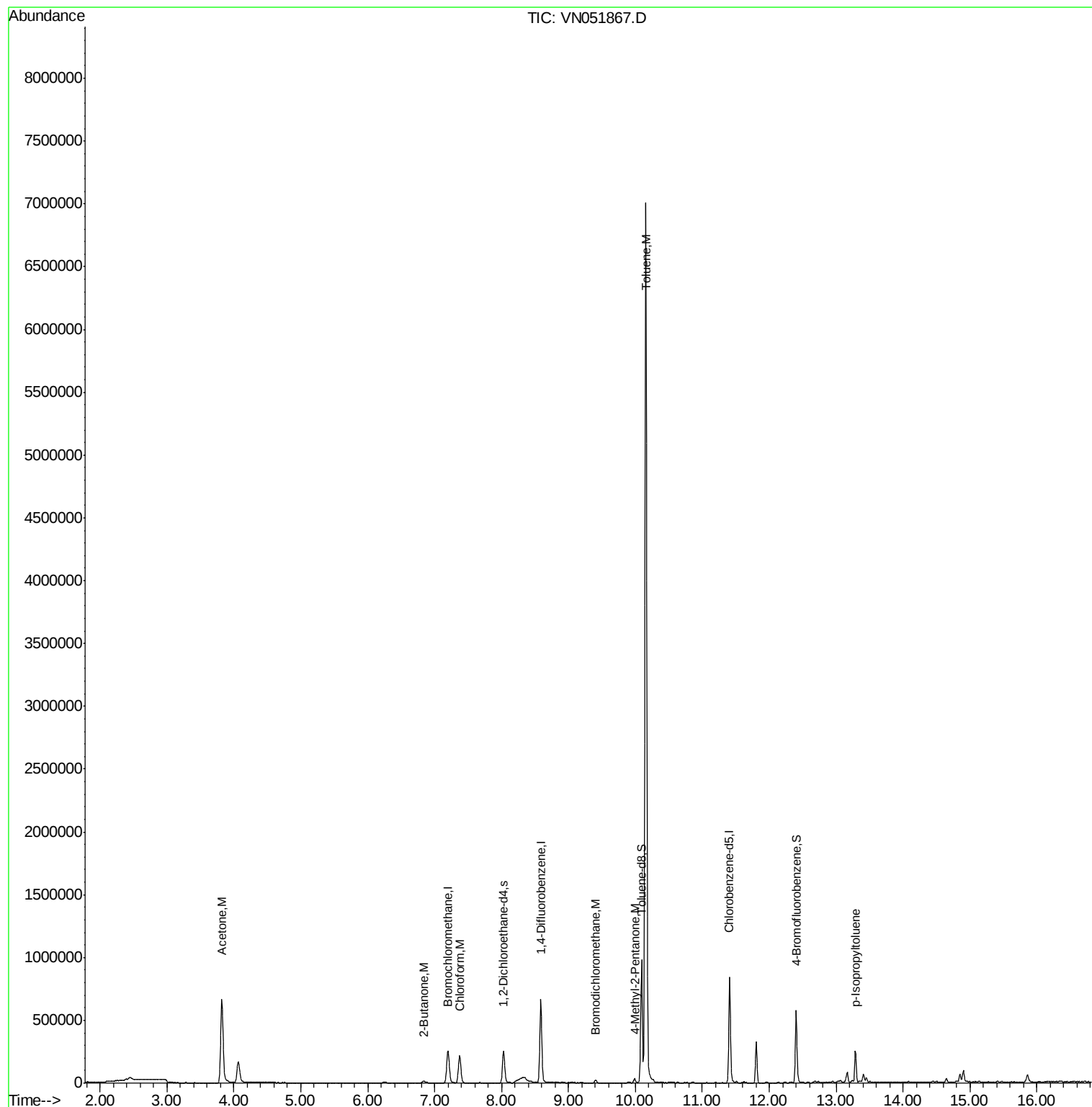
						Qvalue
15) Acetone	3.82	58	366197	995.08	ug/l	96
25) Chloroform	7.37	83	237228	20.18	ug/l	94
30) 2-Butanone	6.85	43	11042	6.31	ug/l #	86
41) Bromodichloromethane	9.40	83	15678	1.75	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	20473	5.61	ug/l #	88
62) Toluene	10.16	91	5713674	211.08	ug/l	99
82) p-Isopropyltoluene	13.29	119	150727	5.31	ug/l	97

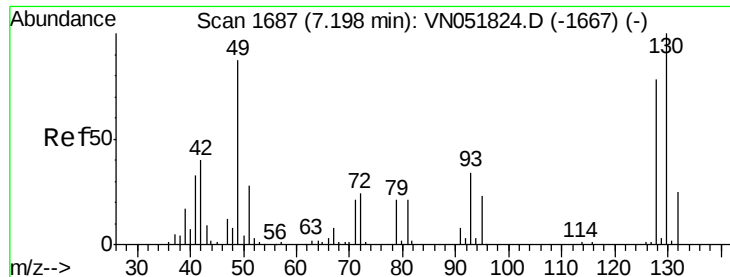
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051867.D

Acq: 15 Oct 2018 12:02

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE-SEP

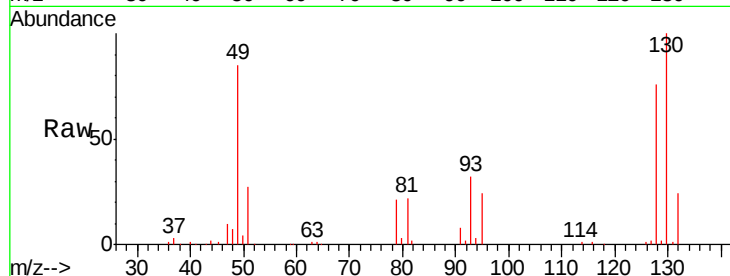
Tgt Ion:128 Resp: 116505

Ion Ratio Lower Upper

128 100

49 110.2 0.0 403.3

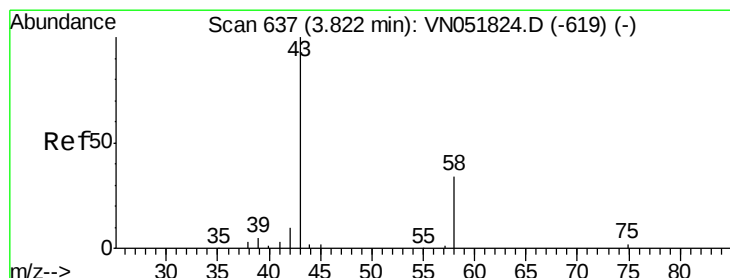
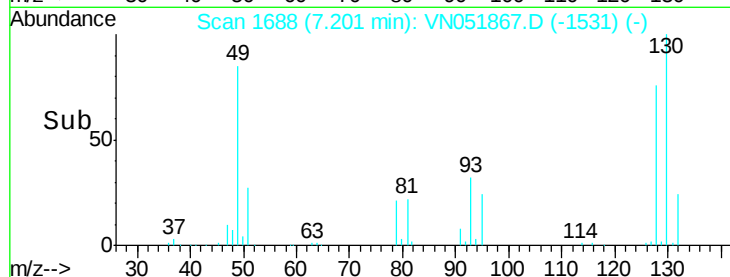
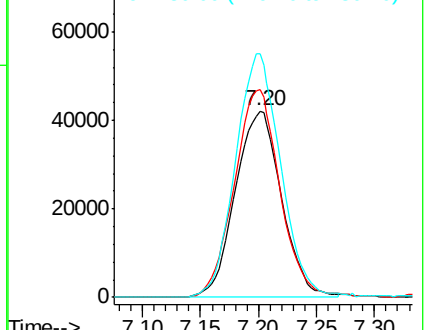
130 127.5 0.0 326.0



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: 995.08 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051867.D

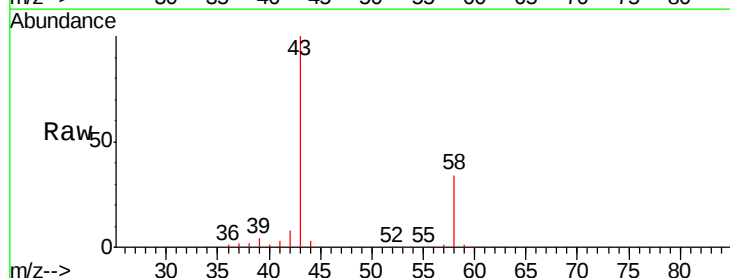
Acq: 15 Oct 2018 12:02

Tgt Ion: 58 Resp: 366197

Ion Ratio Lower Upper

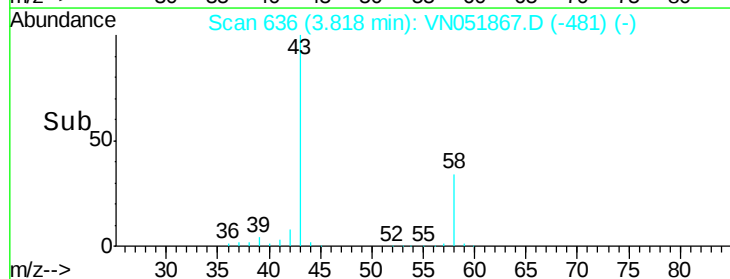
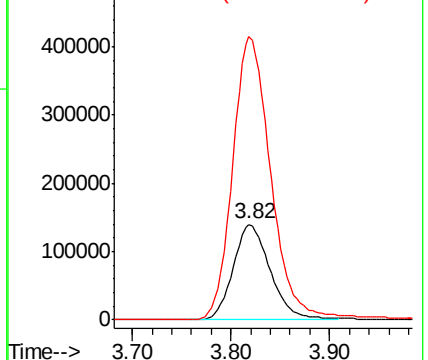
58 100

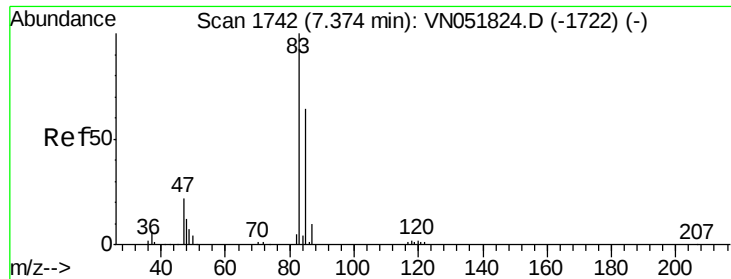
43 297.1 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 20.18 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051867.D

Acq: 15 Oct 2018 12:02

Instrument :

MSVOA_N

ClientSampleId :

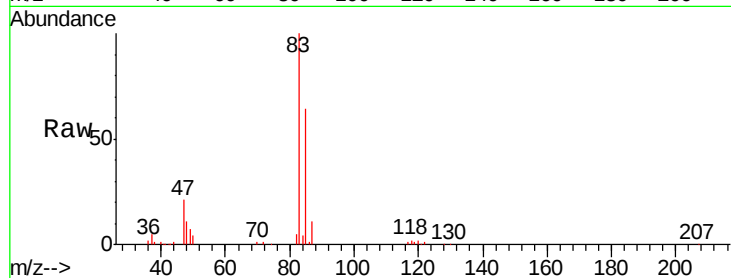
002M-35TH-AVE-SEP

Tgt Ion: 83 Resp: 237228

Ion Ratio Lower Upper

83 100

85 63.8 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

80000

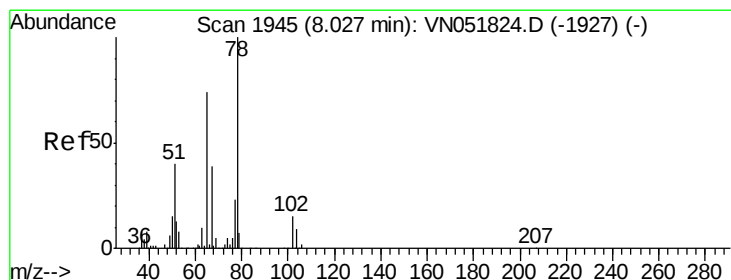
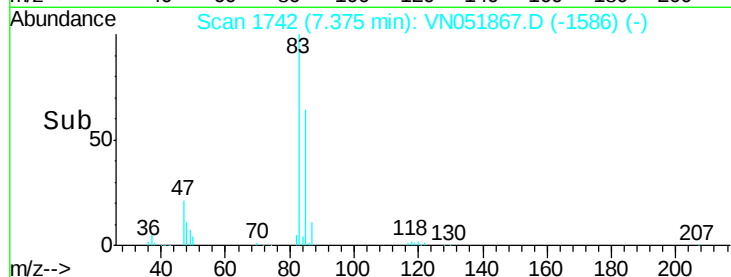
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051867.D

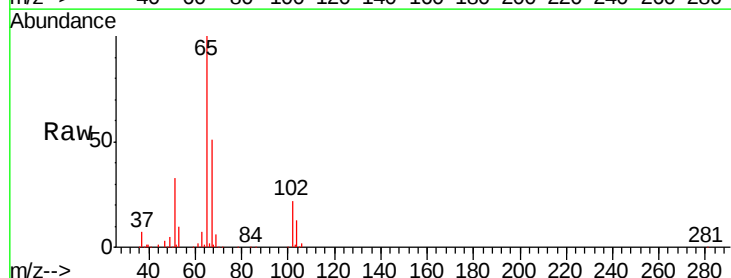
Acq: 15 Oct 2018 12:02

Tgt Ion: 65 Resp: 216295

Ion Ratio Lower Upper

65 100

67 52.9 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

100000

80000

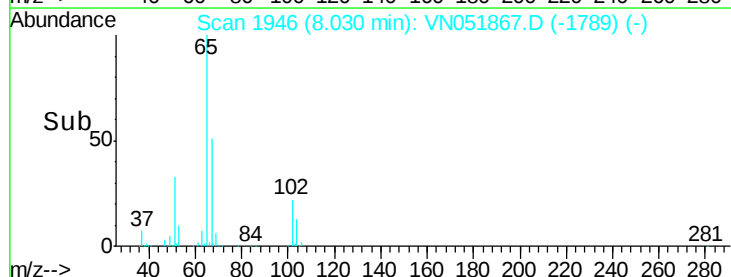
60000

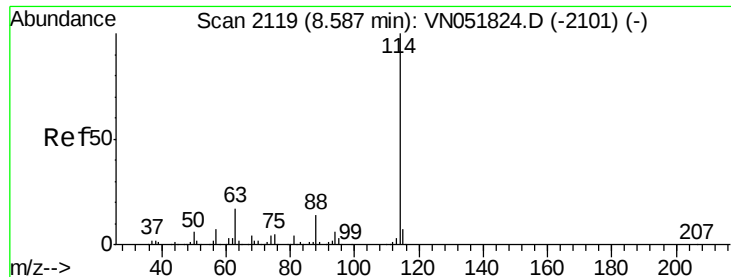
40000

20000

0

Time-->

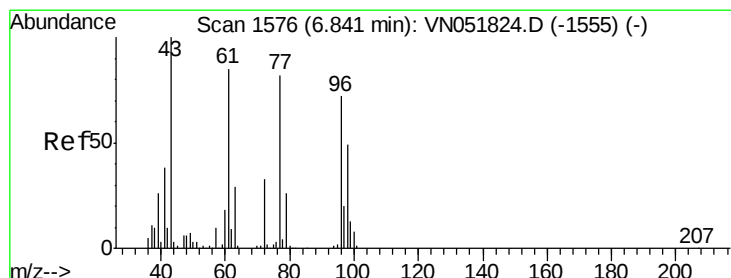
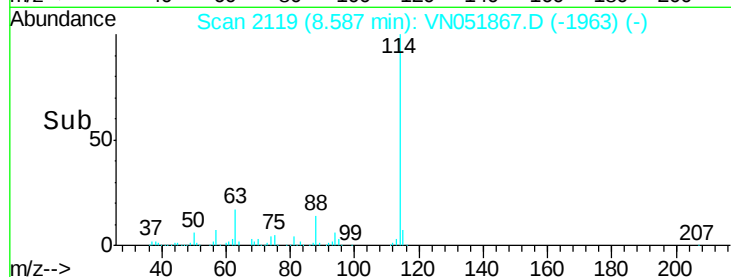
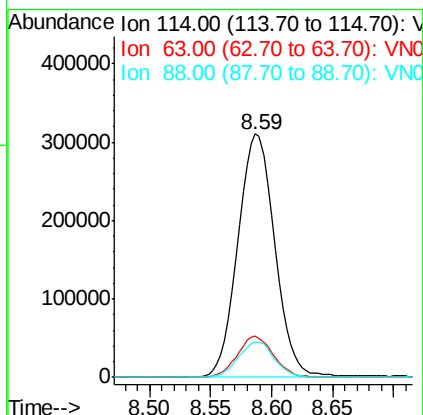
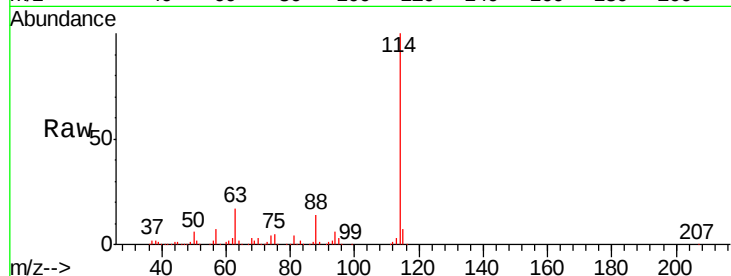




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051867.D
 Acq: 15 Oct 2018 12:02

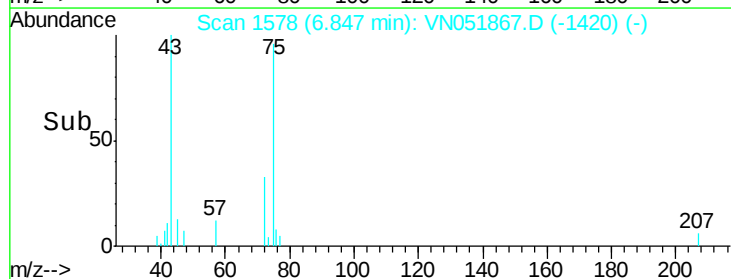
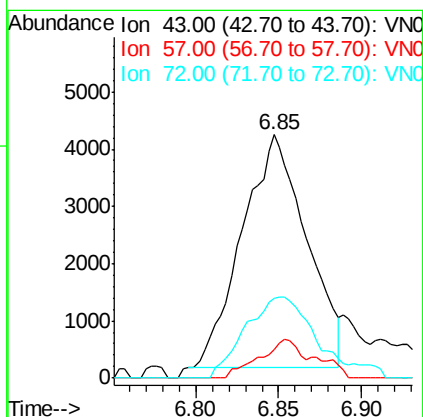
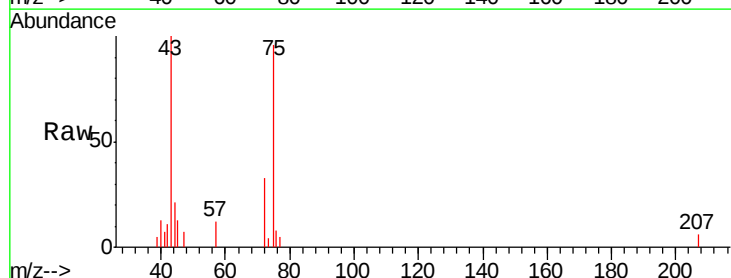
Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE-SEP

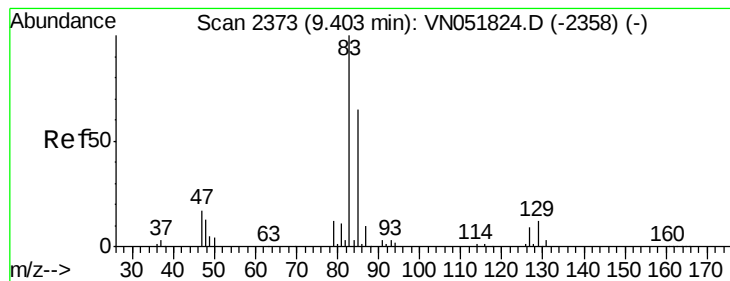
Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.6	16.2	24.2
88	14.3	12.2	18.4



#30
 2-Butanone
 Concen: 6.31 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN051867.D
 Acq: 15 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
43	100		
57	10.4	4.5	6.7#
72	34.3	21.5	32.3#





#41

Bromodichloromethane

Concen: 1.75 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051867.D

Acq: 15 Oct 2018 12:02

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE-SEP

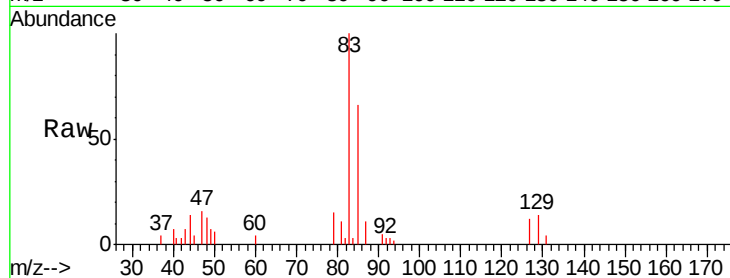
Tgt Ion: 83 Resp: 15678

Ion Ratio Lower Upper

83 100

85 65.6 55.7 83.5

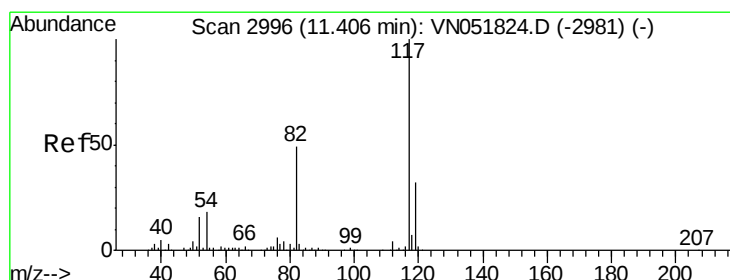
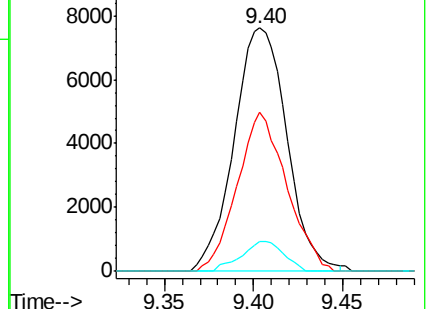
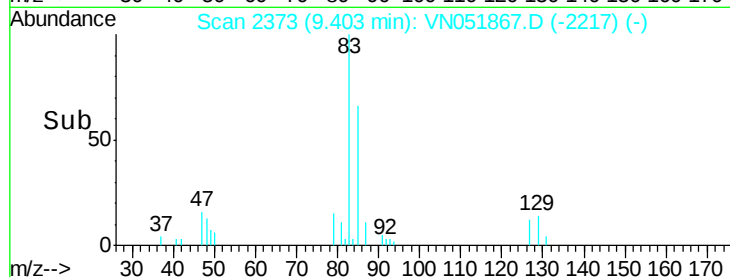
127 12.3 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN051867.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051867.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051867.D (-2217) (-)



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051867.D

Acq: 15 Oct 2018 12:02

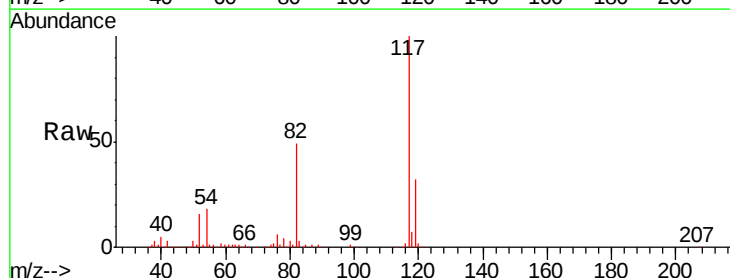
Tgt Ion: 117 Resp: 544880

Ion Ratio Lower Upper

117 100

82 49.3 44.1 66.1

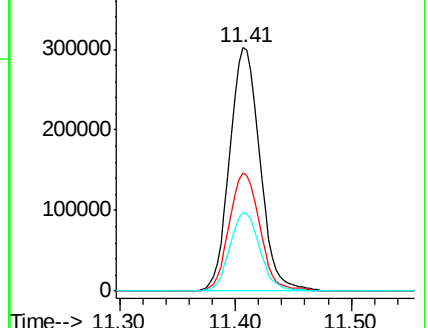
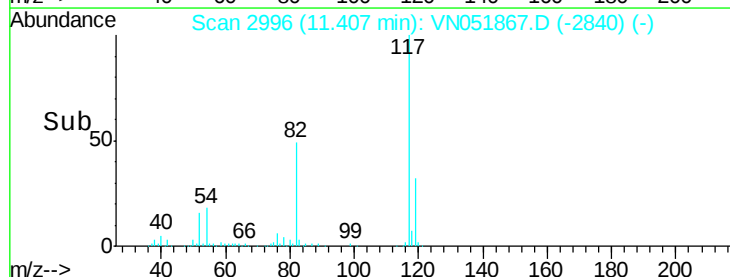
119 32.2 25.8 38.8

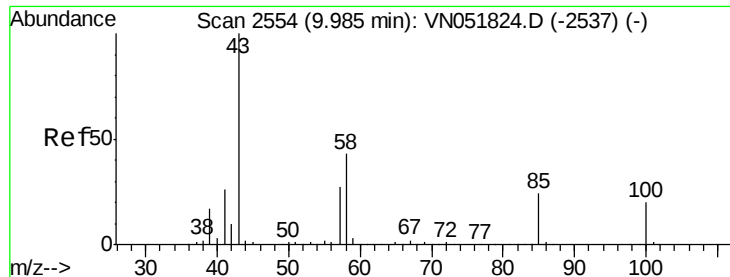


Abundance Ion 117.00 (116.70 to 117.70): VN051867.D (-2840) (-)

Ion 82.00 (81.70 to 82.70): VN051867.D (-2840) (-)

Ion 119.00 (118.70 to 119.70): VN051867.D (-2840) (-)

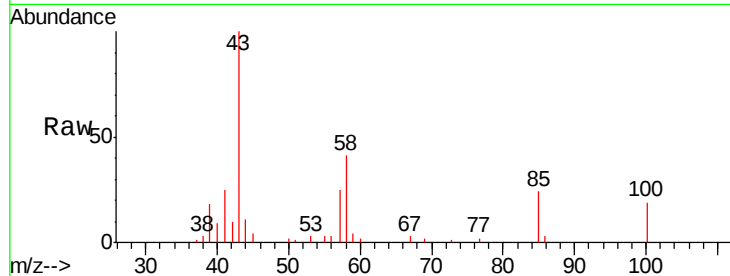




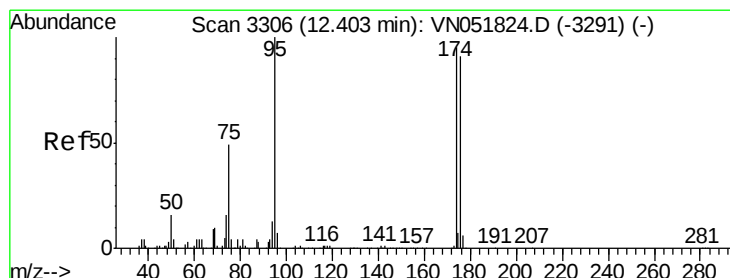
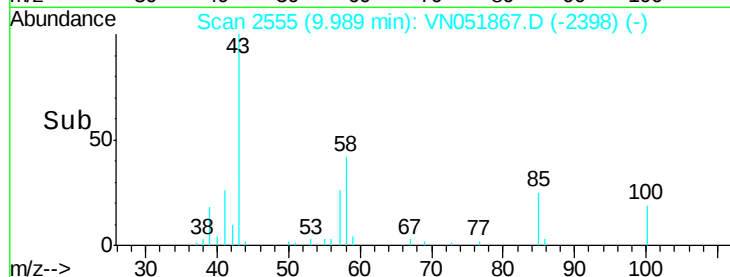
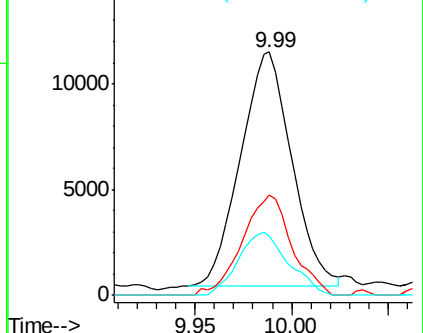
#58
 4-Methyl-2-Pentanone
 Concen: 5.61 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051867.D
 Acq: 15 Oct 2018 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE-SEP

Tgt Ion: 43 Resp: 20473
 Ion Ratio Lower Upper
 43 100
 58 40.7 29.3 43.9
 85 26.2 12.6 18.8#

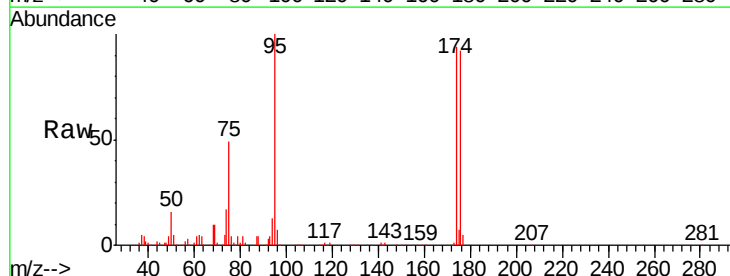


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

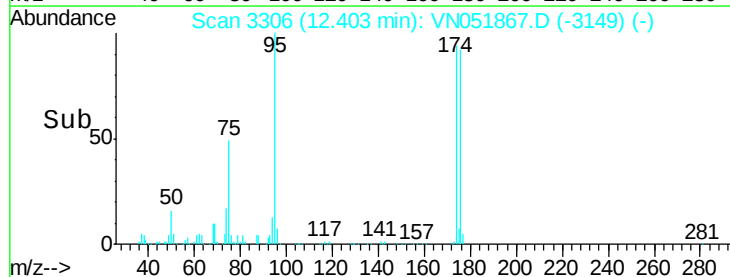
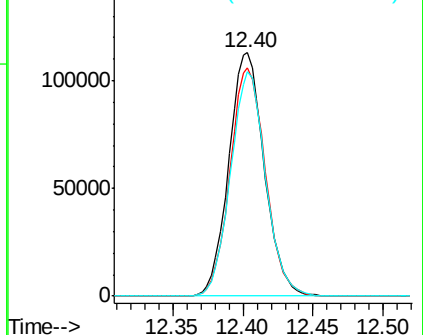


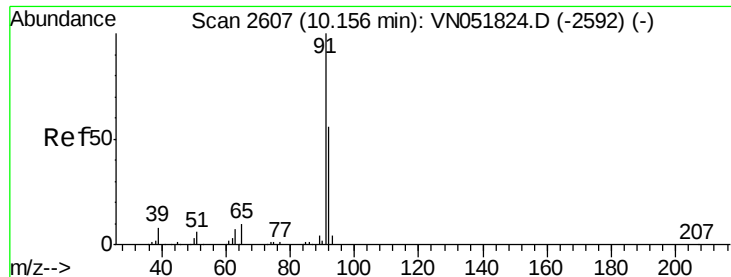
#60
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051867.D
 Acq: 15 Oct 2018 12:02

Tgt Ion: 95 Resp: 199122
 Ion Ratio Lower Upper
 95 100
 174 93.6 73.5 110.3
 176 91.0 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): VN0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V





#62

Toluene

Concen: 211.08 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051867.D

Acq: 15 Oct 2018 12:02

Instrument :

MSVOA_N

ClientSampleId :

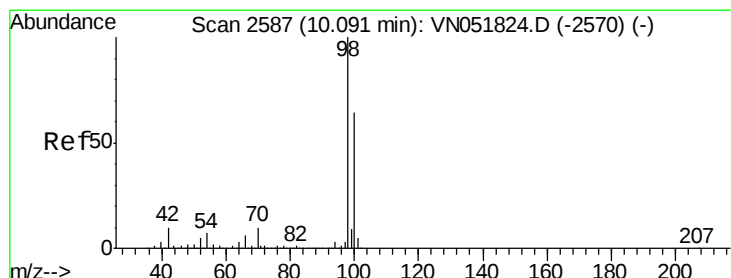
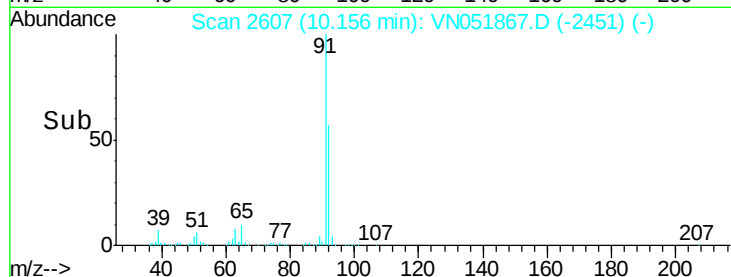
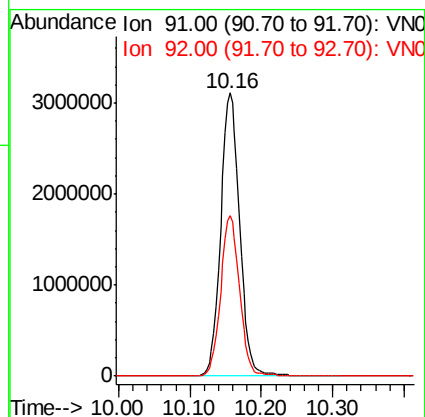
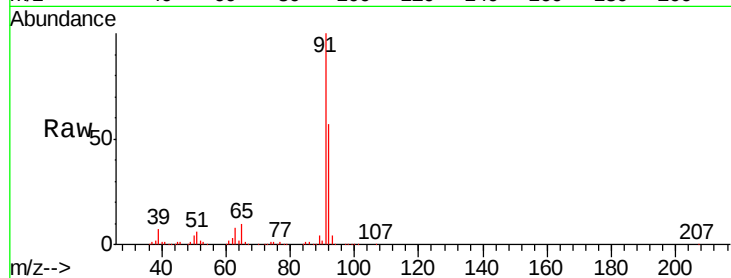
002M-35TH-AVE-SEP

Tgt Ion: 91 Resp: 5713674

Ion Ratio Lower Upper

91 100

92 56.5 44.6 66.8



#63

Toluene-d8

Concen: 211.08 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051867.D

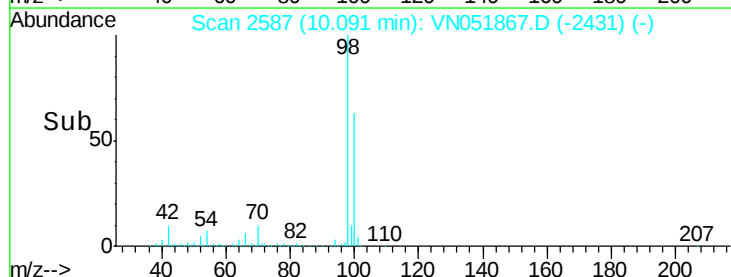
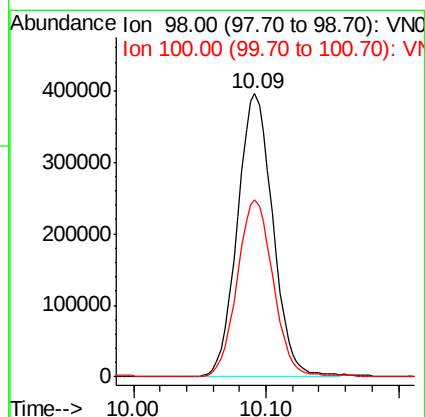
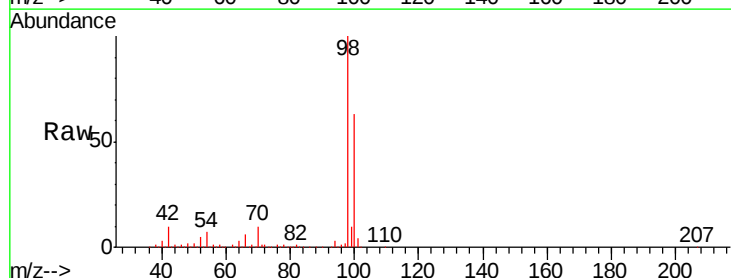
Acq: 15 Oct 2018 12:02

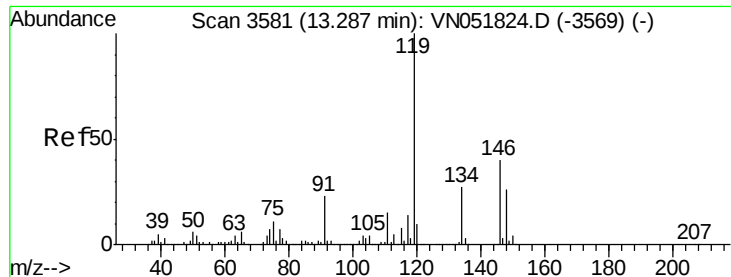
Tgt Ion: 98 Resp: 737924

Ion Ratio Lower Upper

98 100

100 63.7 50.8 76.2





#82

p-Isopropyltoluene

Concen: 5.31 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051867.D

Acq: 15 Oct 2018 12:02

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE-SEP

Tgt Ion:119 Resp: 150727

Ion Ratio Lower Upper

119 100

134 26.2 0.0 53.6

91 24.0 0.0 52.0

