

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050732.D
 Acq On : 17 Aug 2018 16:02
 Operator : MD\SY
 Sample : J4548-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(AUG)

Quant Time: Aug 18 00:34:08 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	113568	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	595830	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	508719	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	229350	29.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.03%
60) 4-Bromofluorobenzene	12.40	95	207532	26.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.50%
63) Toluene-d8	10.09	98	686501	28.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.17%

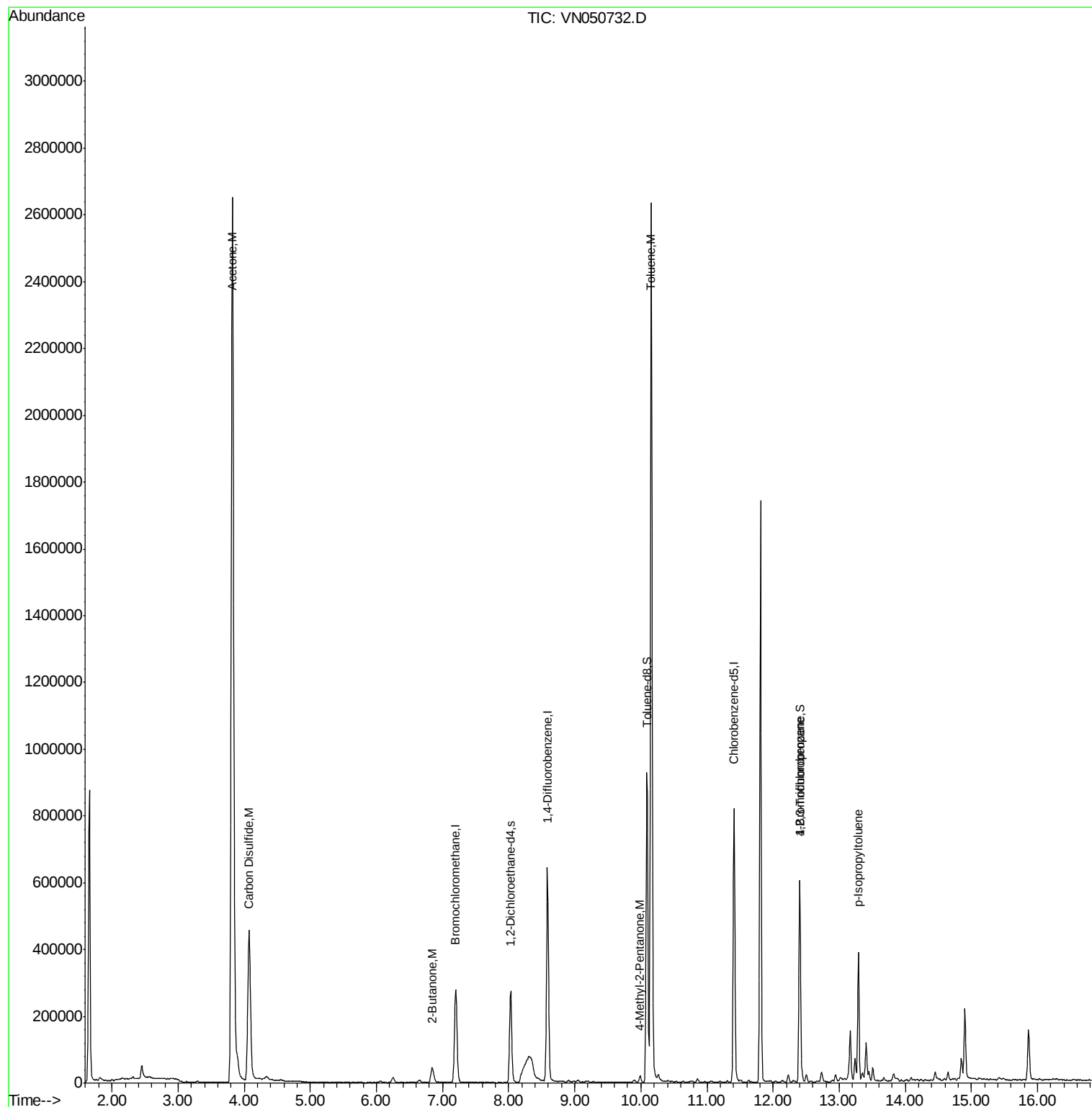
Target Compounds						Ovalue
15) Acetone	3.82	58	1505205	2447.08	ug/l	89
16) Carbon Disulfide	4.05	76	12737	0.69	ug/l	96
30) 2-Butanone	6.84	43	72039	24.83	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	13646	2.31	ug/l	99
62) Toluene	10.16	91	2087563	71.92	ug/l	100
72) 1,2,3-Trichloropropane	12.40	75	98669	14.55	ug/l	1
82) p-Isopropyltoluene	13.29	119	206786	8.78	ug/l	98

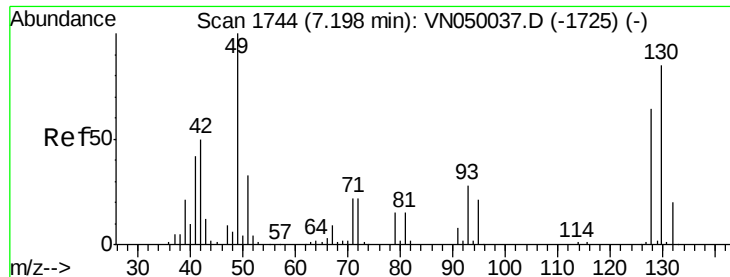
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE(AUG)

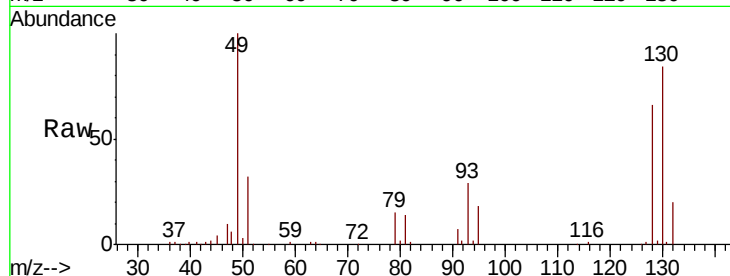
Tot Ion:128 Resp: 113568

Ion Ratio Lower Upper

128 100

49 154.7 0.0 378.3

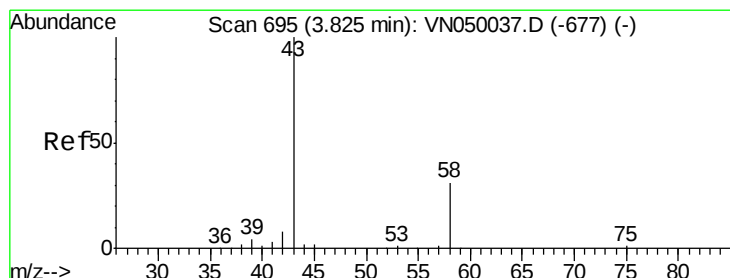
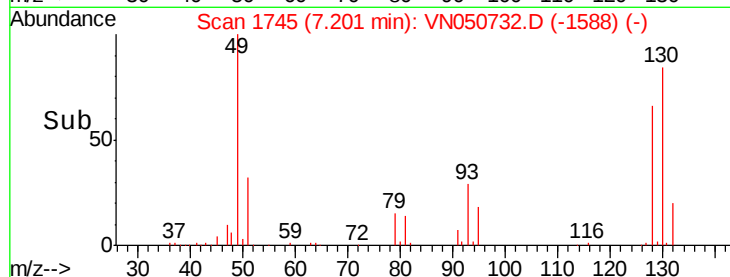
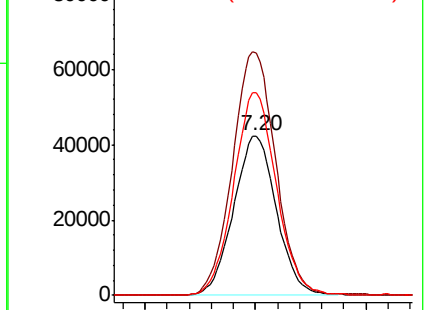
130 127.5 0.0 320.7



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: 2447.08 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050732.D

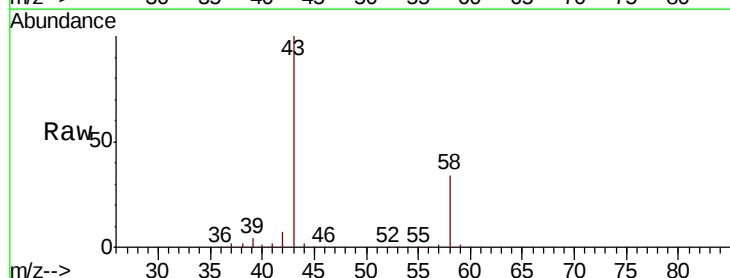
Acq: 17 Aug 2018 16:02

Tgt Ion: 58 Resp: 1505205

Ion Ratio Lower Upper

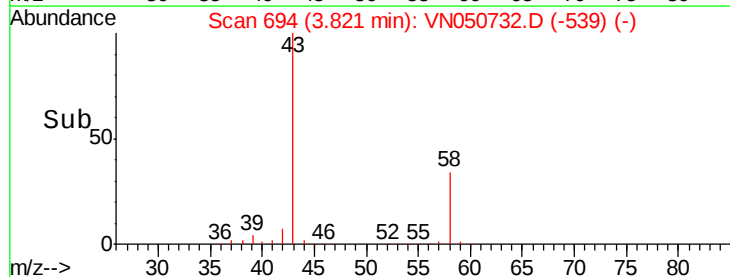
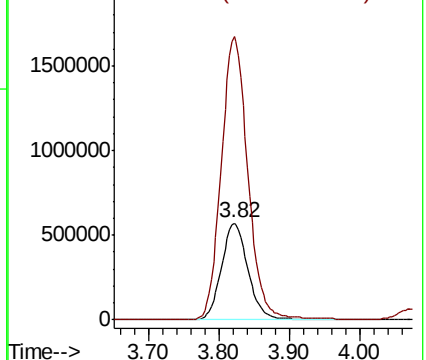
58 100

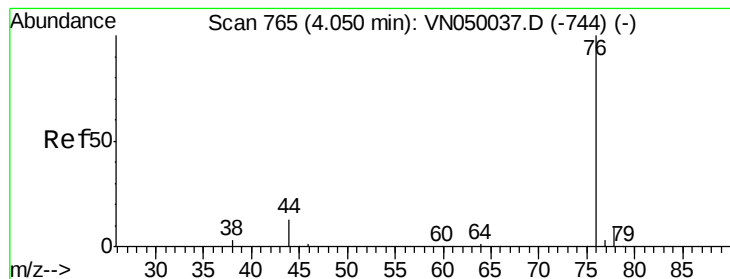
43 292.5 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#16

Carbon Disulfide

Concen: 0.69 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

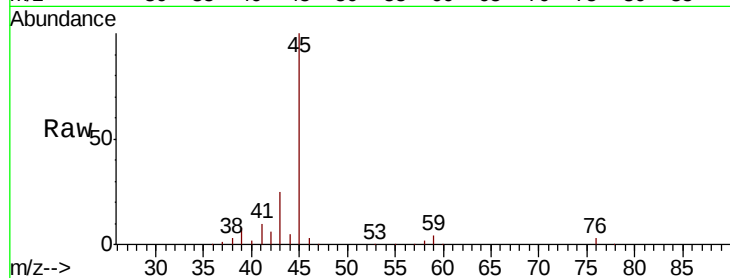
002M-35TH-AVE(AUG)

Tot Ion: 76 Resp: 12737

Ion Ratio Lower Upper

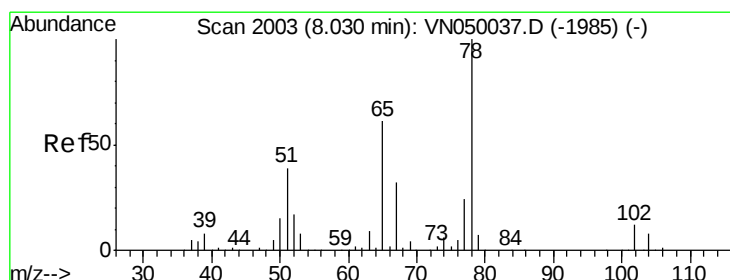
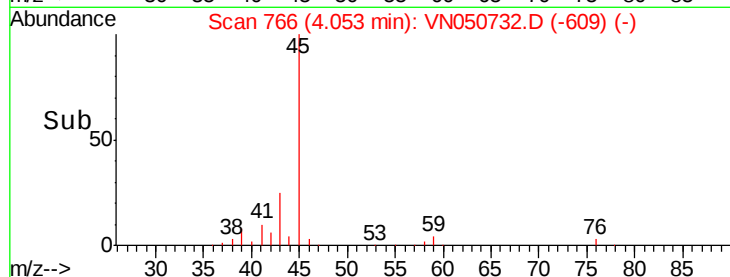
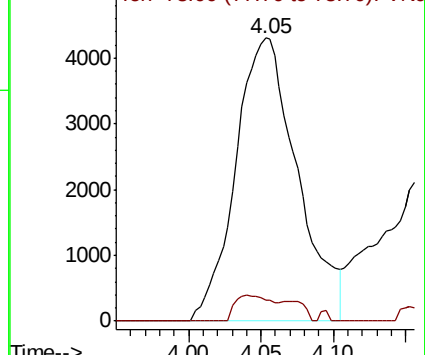
76 100

78 7.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050037.D (-744) (-)

Ion 78.00 (77.70 to 78.70): VN050037.D (-744) (-)



#27

1,2-Dichloroethane-d4

Concen: 29.71 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050732.D

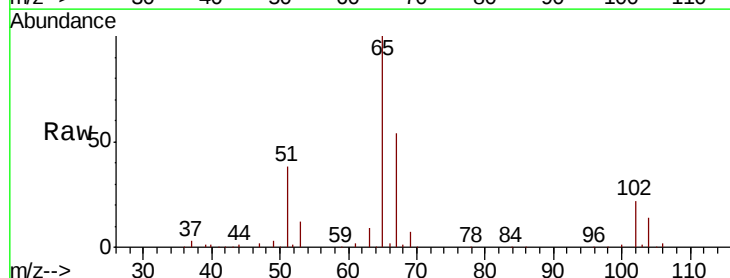
Acq: 17 Aug 2018 16:02

Tgt Ion: 65 Resp: 229350

Ion Ratio Lower Upper

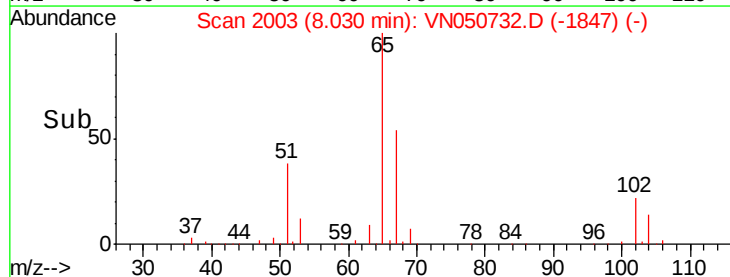
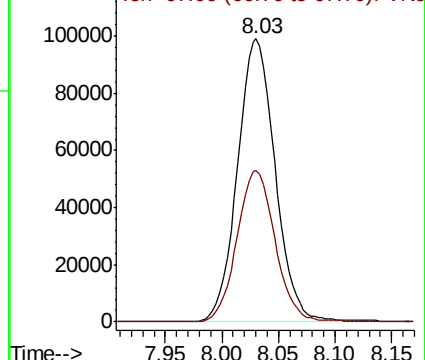
65 100

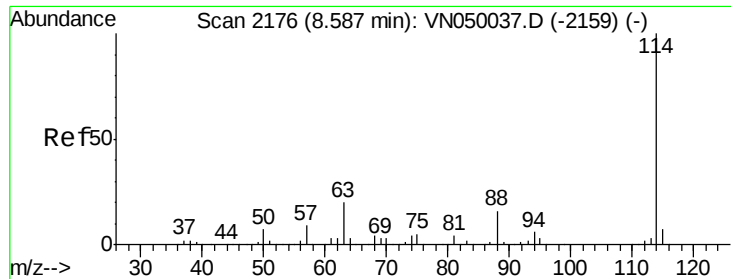
67 53.9 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN050037.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN050037.D (-1985) (-)

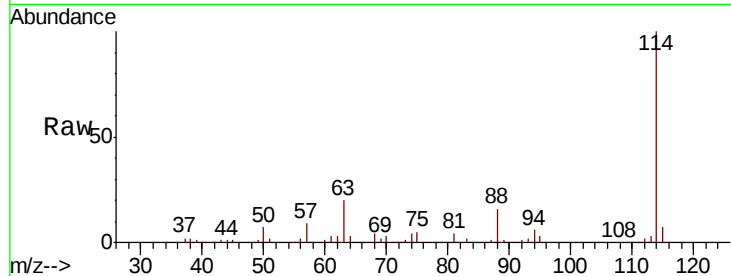




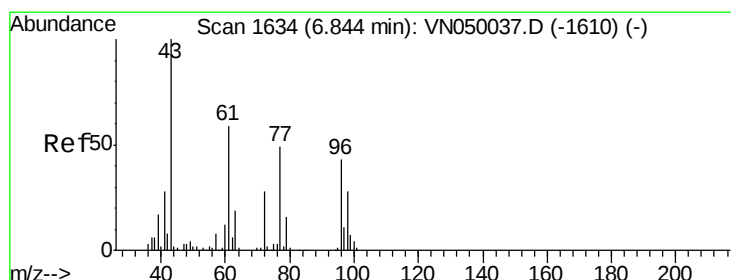
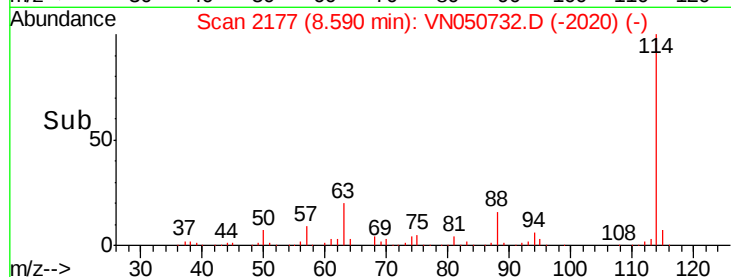
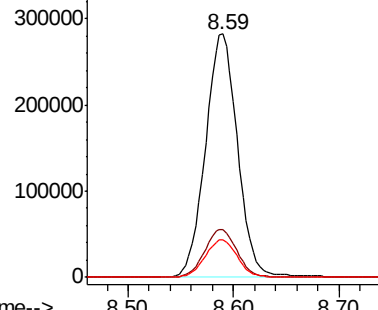
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(AUG)

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	16.2	24.2
88	15.6	12.3	18.5

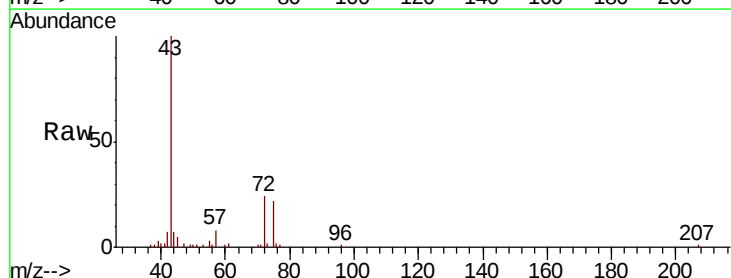


Abundance Ion 114.00 (113.70 to 114.70): VN050037.D (-2159) (-)

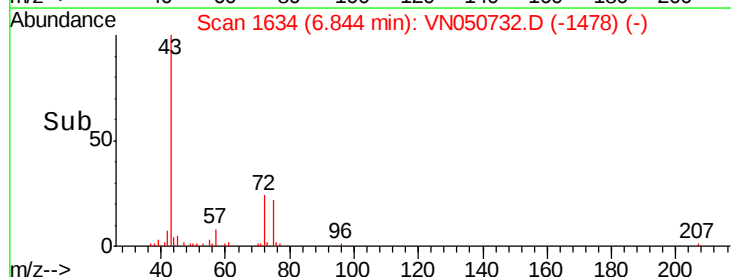
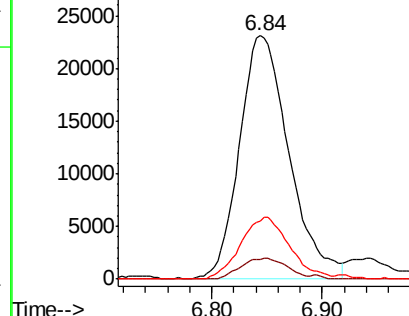


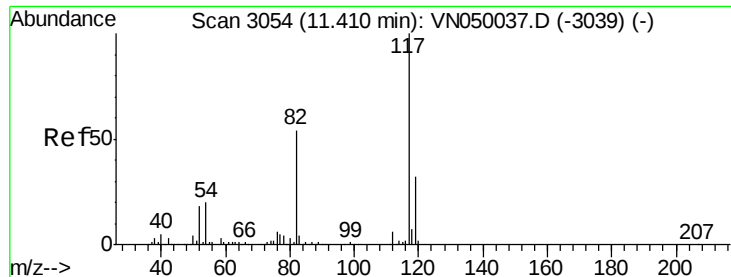
#30
 2-Butanone
 Concen: 24.83 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

Tgt Ion	Ratio	Lower	Upper
43	100		
57	3.7	6.8	10.2#
72	25.1	21.4	32.0



Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-1610) (-)

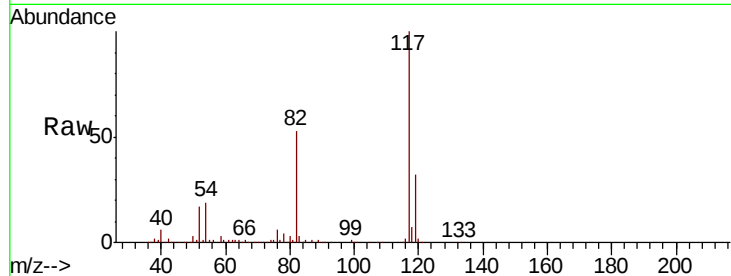




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.4	63.6
119	32.0	25.4	38.0

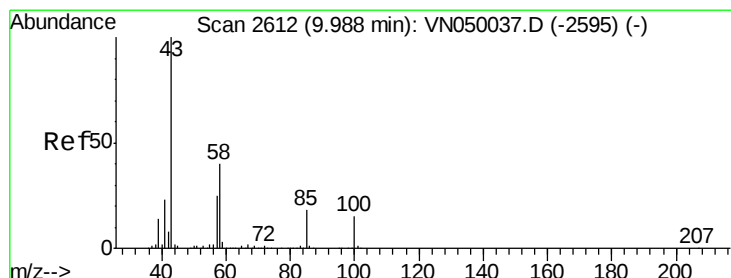
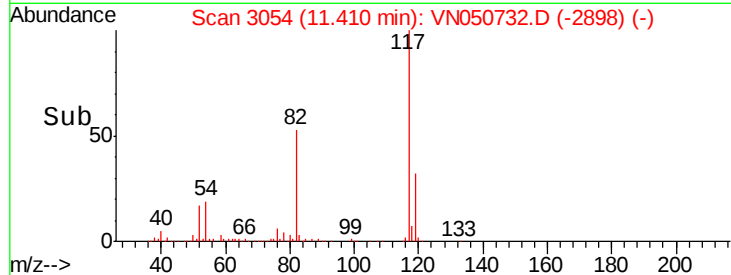
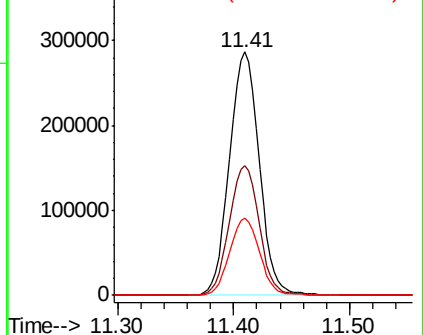


Abundance

Ion 117.00 (116.70 to 117.70): V

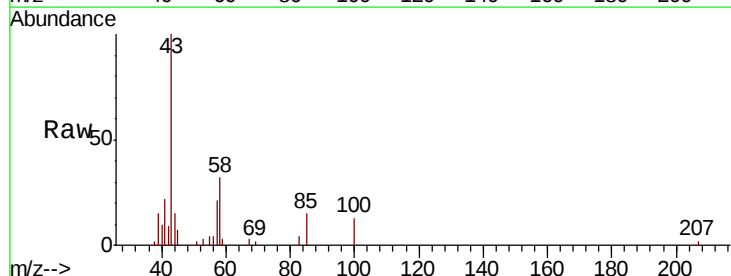
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 2.31 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.2	46.8
85	16.7	14.4	21.6

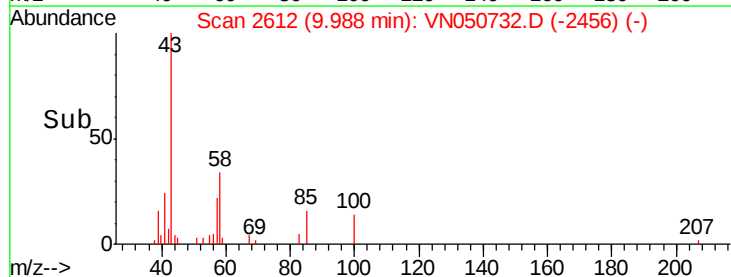
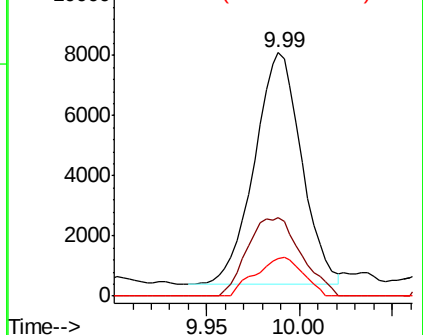


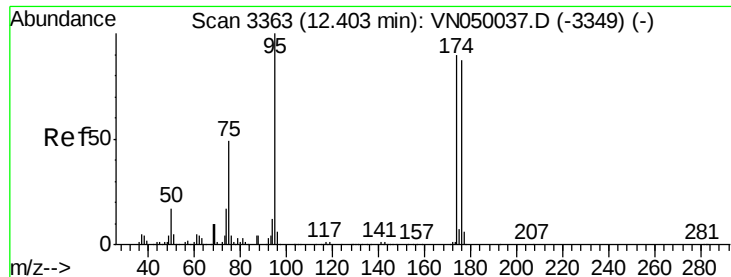
Abundance

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: 26.55 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE(AUG)

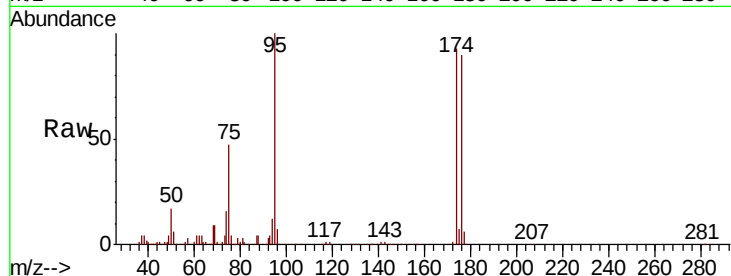
Tot Ion: 95 Resp: 207532

Ion Ratio Lower Upper

95 100

174 91.9 72.3 108.5

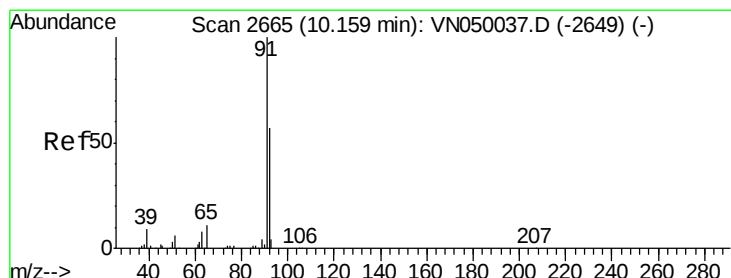
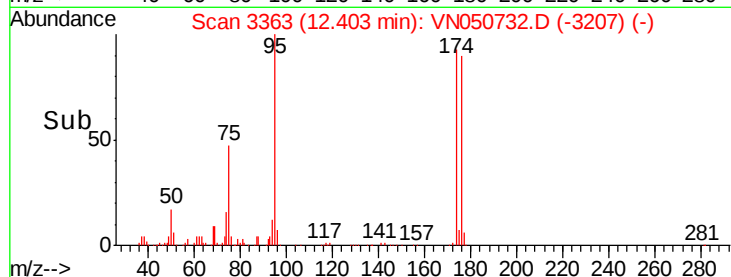
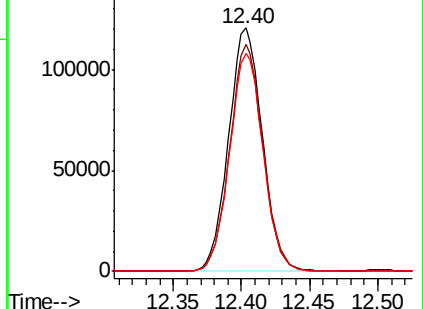
176 88.7 70.0 105.0



Abundance Ion 95.00 (94.70 to 95.70): VN050037.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050037.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050037.D (-3349) (-)



#62

Toluene

Concen: 71.92 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050732.D

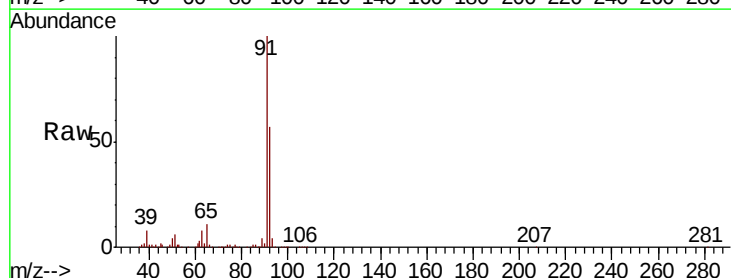
Acq: 17 Aug 2018 16:02

Tgt Ion: 91 Resp: 2087563

Ion Ratio Lower Upper

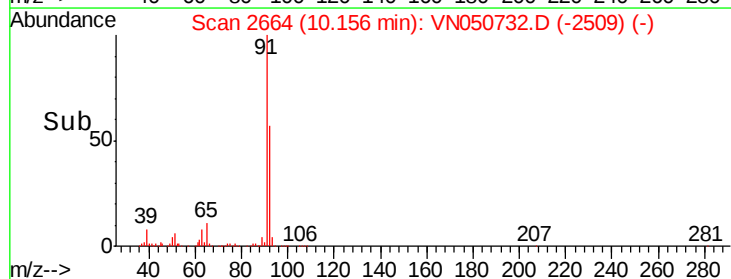
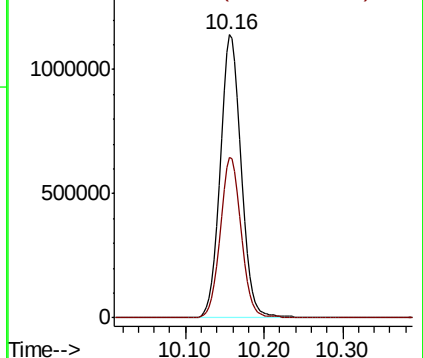
91 100

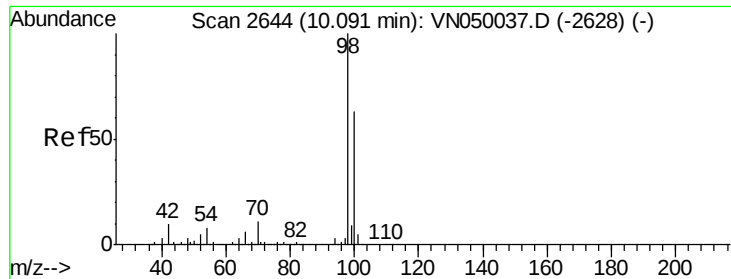
92 56.8 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-2649) (-)

Ion 92.00 (91.70 to 92.70): VN050037.D (-2649) (-)





#63

Toluene-d8

Concen: 28.25 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

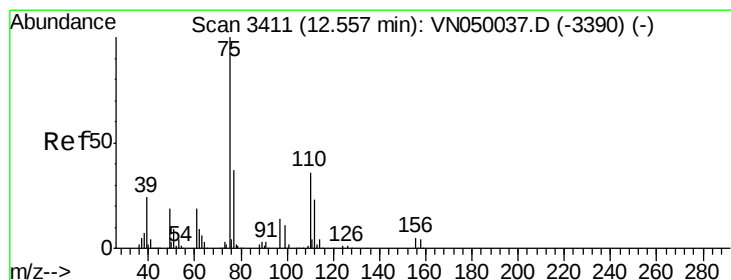
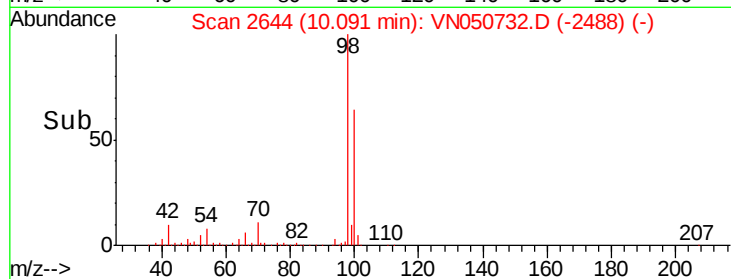
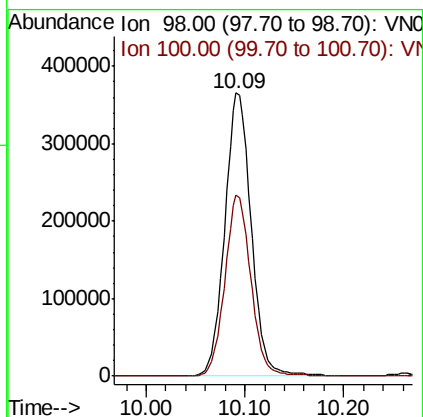
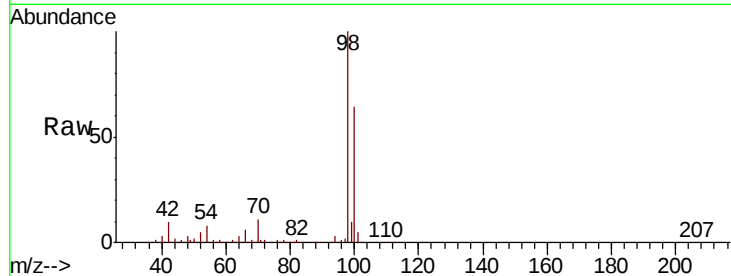
002M-35TH-AVE(AUG)

Tot Ion: 98 Resp: 686501

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



#72

1,2,3-Trichloropropane

Concen: 14.55 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050732.D

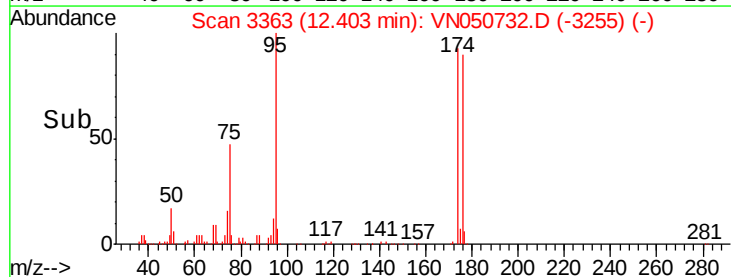
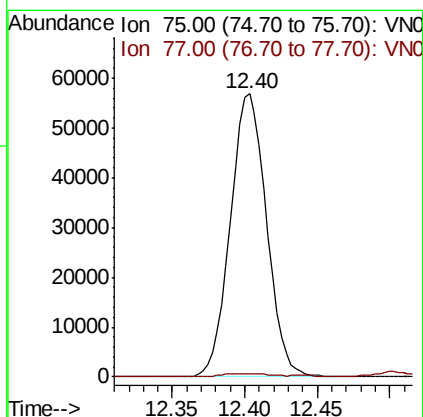
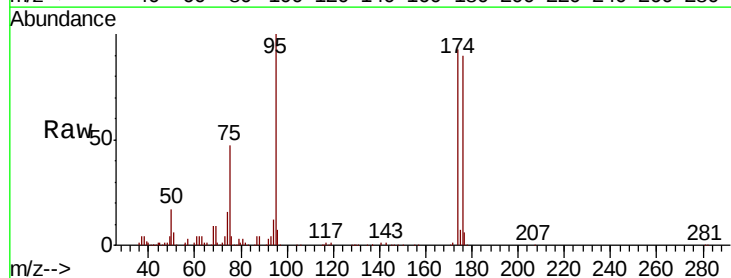
Acq: 17 Aug 2018 16:02

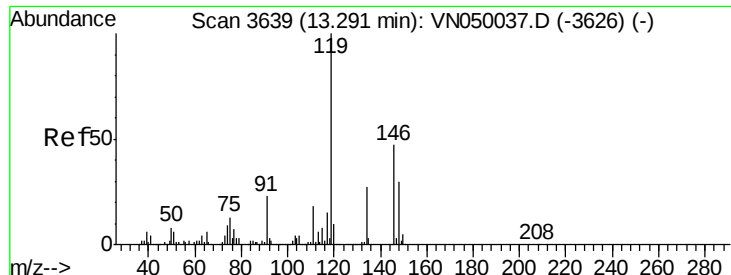
Tgt Ion: 75 Resp: 98669

Ion Ratio Lower Upper

75 100

77 0.9 0.0 454.4





#82
 p-Isopropyltoluene
 Concen: 8.78 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(AUG)

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.2
91	23.8	0.0	45.6

