

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051035.D
 Acq On : 6 Sep 2018 16:29
 Operator : MD\SY
 Sample : J4819-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 11:23:24 AM

Quant Time: Sep 07 07:33:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	133028	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	685509	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	607055	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	256597	30.23	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	100.77%		
60) 4-Bromofluorobenzene	12.40	95	240044	26.59	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	88.63%		
63) Toluene-d8	10.09	98	828556	29.27	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	97.57%		

Target Compounds

						Ovalue
15) Acetone	3.82	58	1504995	2092.81	ug/l	93
30) 2-Butanone	6.85	43	63665	20.17	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	15463	2.23	ug/l	98
62) Toluene	10.15	91	17416955m	514.27	ug/l	
82) p-Isopropyltoluene	13.29	119	300819	10.95	ug/l	98

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

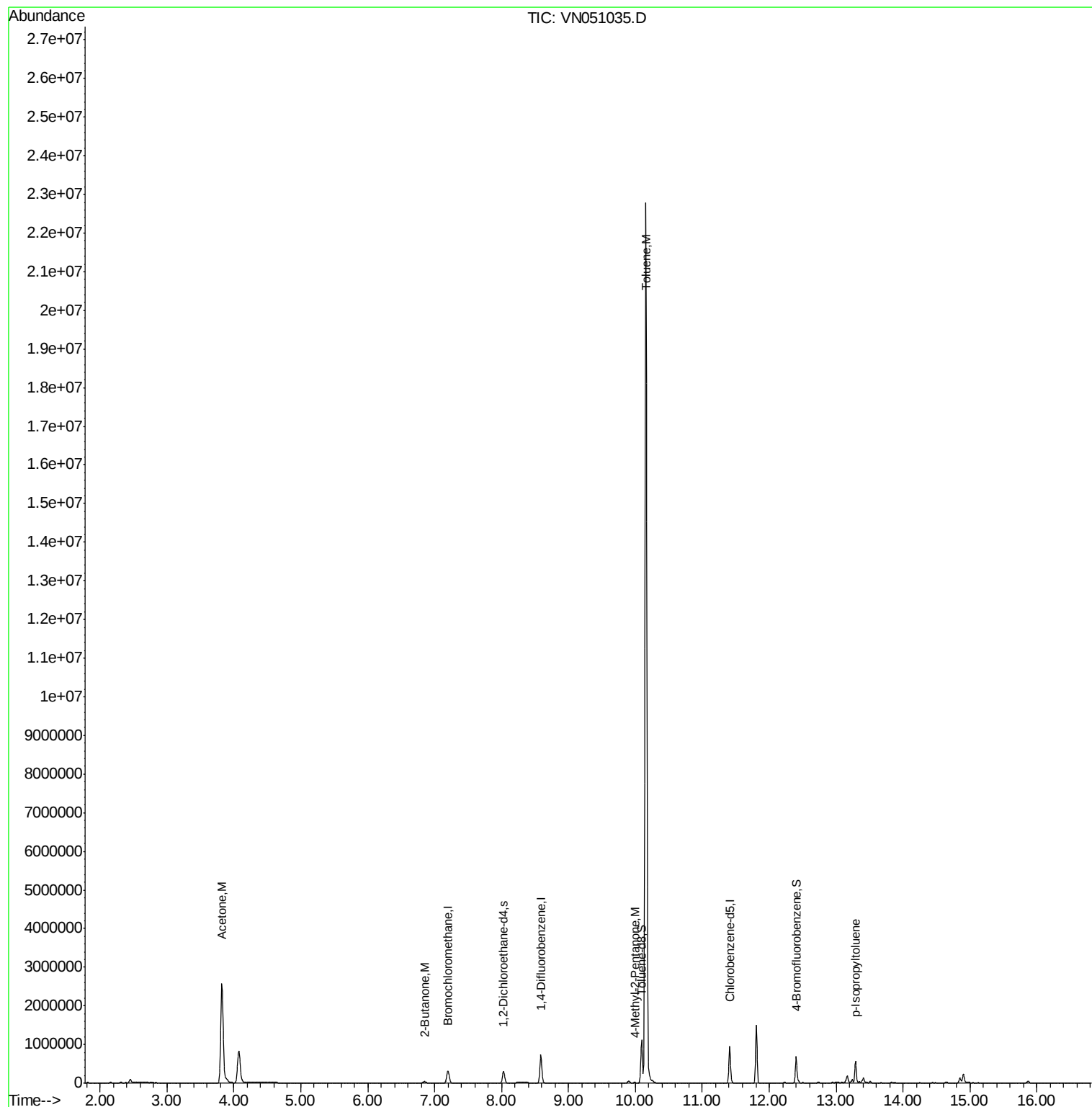
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
Data File : VN051035.D
Acq On : 6 Sep 2018 16:29
Operator : MD\SY
Sample : J4819-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

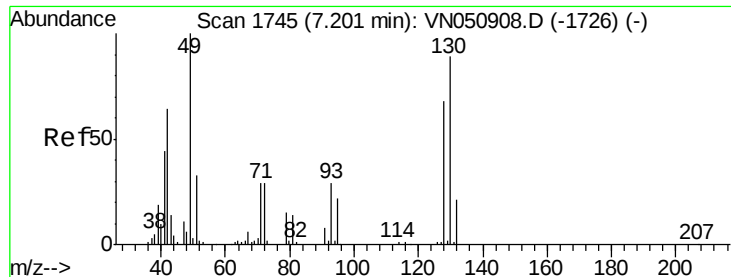
Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(SEP)

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Quant Time: Sep 07 07:33:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051035.D

Acq: 6 Sep 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE(SEP)

Tot Ion:128 Resp: 133028

Ion Ratio Lower Upper

128 100

49 147.1 0.0 380.3

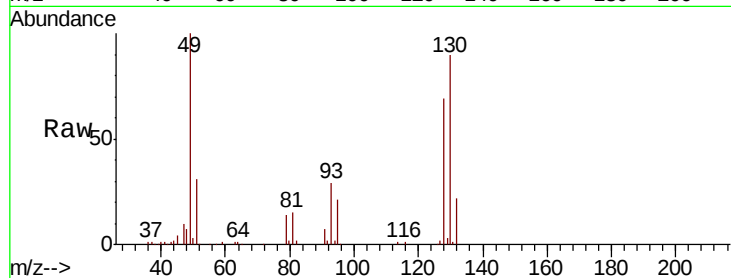
130 130.7 0.0 325.3

Manual Integrations

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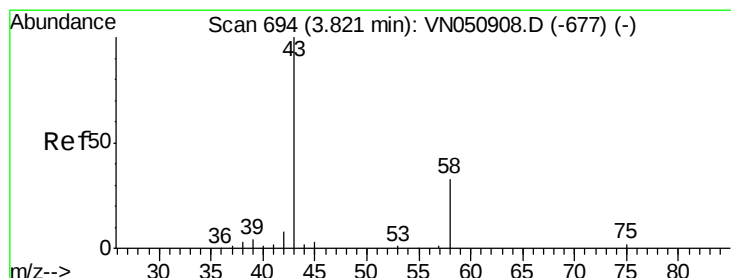
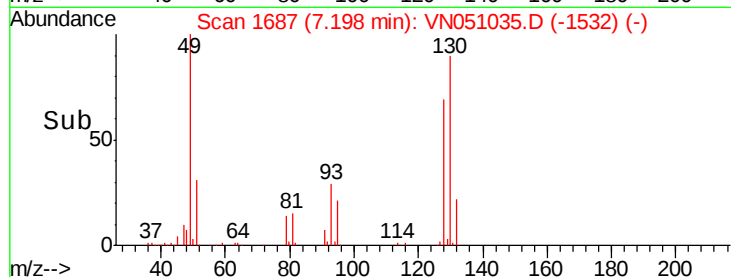
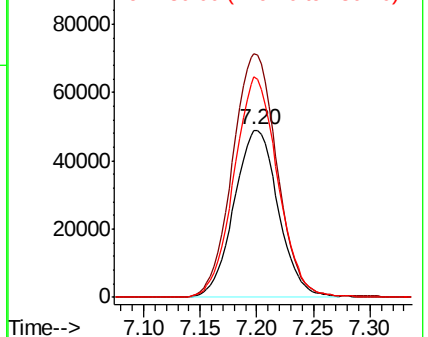
9/7/2018 11:23:24 AM



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: 2092.81 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051035.D

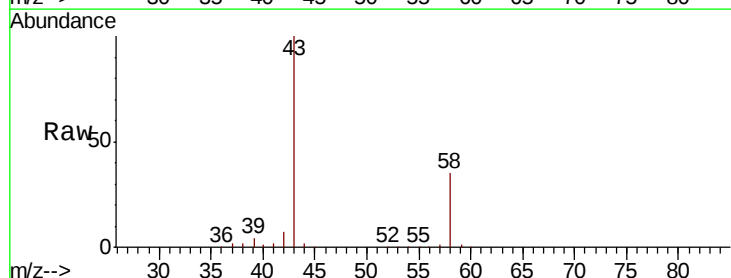
Acq: 6 Sep 2018 16:29

Tgt Ion: 58 Resp: 1504995

Ion Ratio Lower Upper

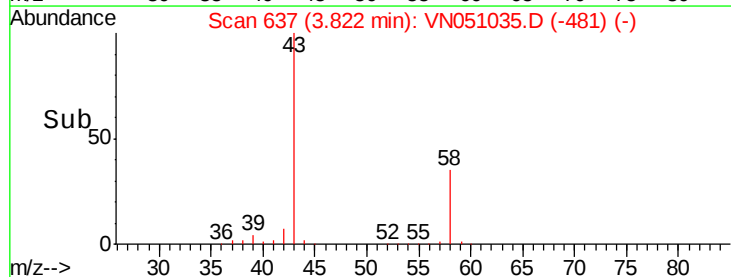
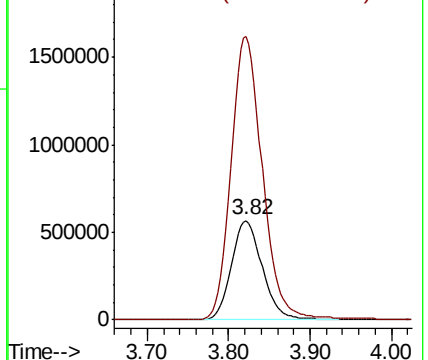
58 100

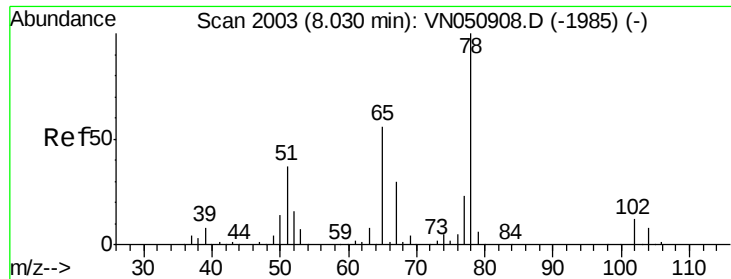
43 285.5 239.4 359.0



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: 30.23 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051035.D

Acq: 6 Sep 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE(SEP)

Tot Ion: 65 Resp: 256597

Ion Ratio Lower Upper

65 100

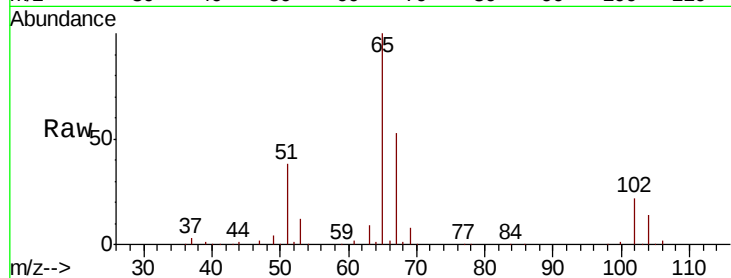
67 54.1 43.7 65.5

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Abundance Ion 65.00 (64.70 to 65.70): VN051035.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN051035.D (-1985) (-)

8.03

120000

100000

80000

60000

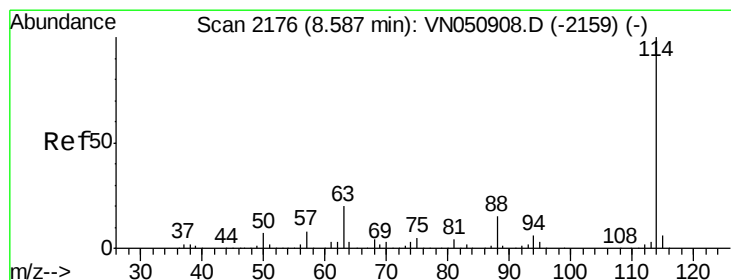
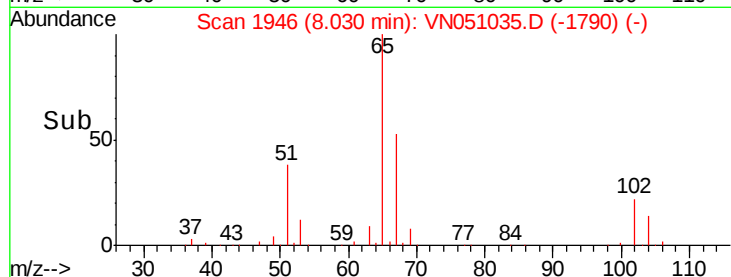
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051035.D

Acq: 6 Sep 2018 16:29

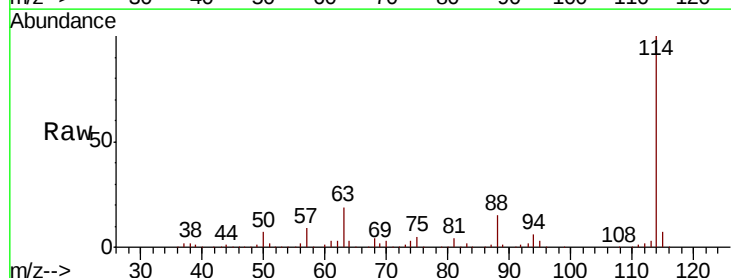
Tgt Ion: 114 Resp: 685509

Ion Ratio Lower Upper

114 100

63 19.1 15.6 23.4

88 15.2 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051035.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN051035.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN051035.D (-2159) (-)

8.59

400000

300000

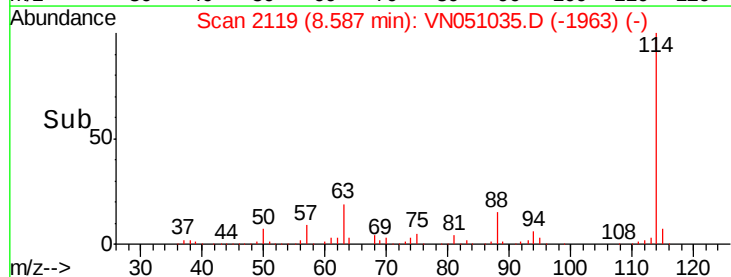
200000

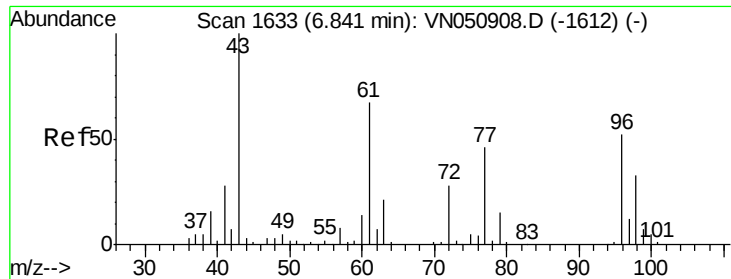
100000

0

8.50 8.60 8.70

Time-->





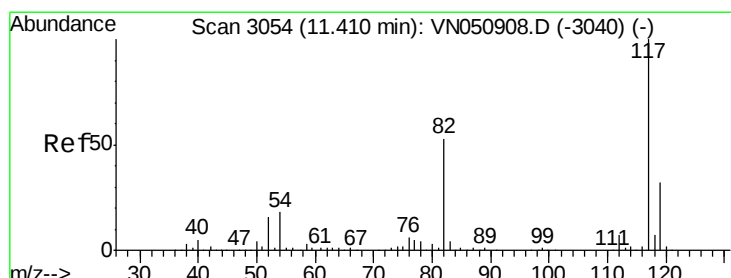
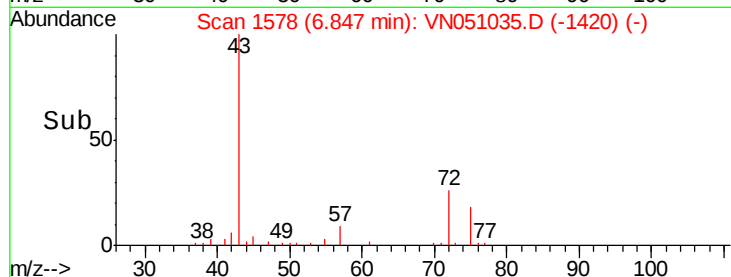
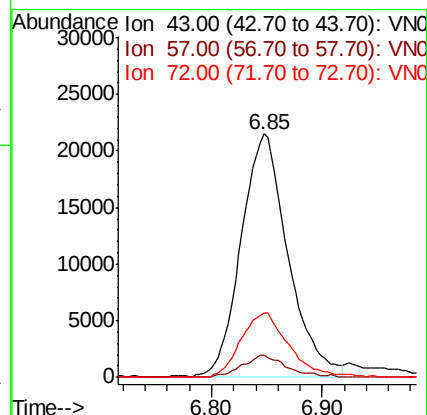
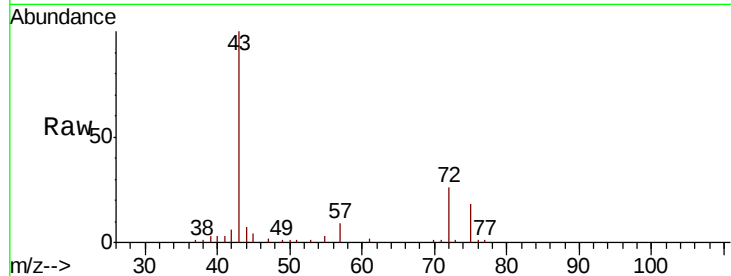
#30
2-Butanone
Concen: 20.17 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051035.D
Acq: 6 Sep 2018 16:29

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

Tot Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.9	10.3
72	26.5	22.8	34.2

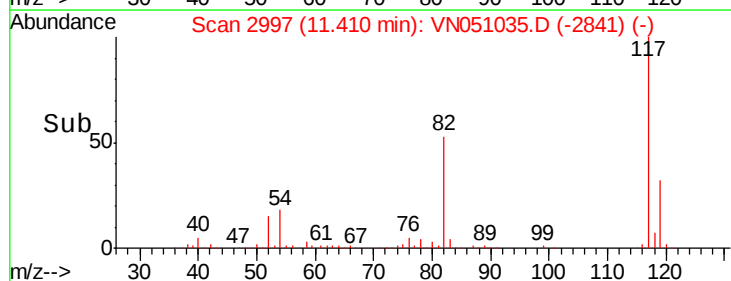
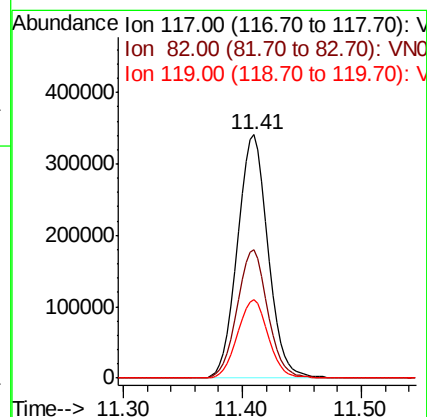
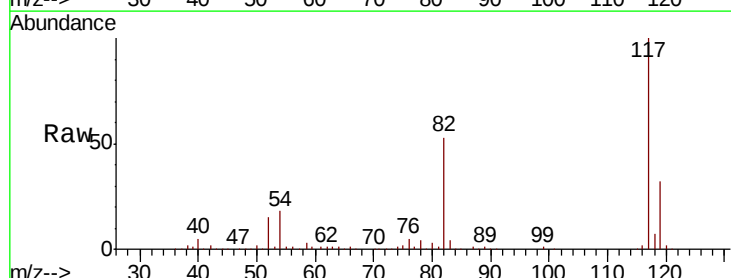
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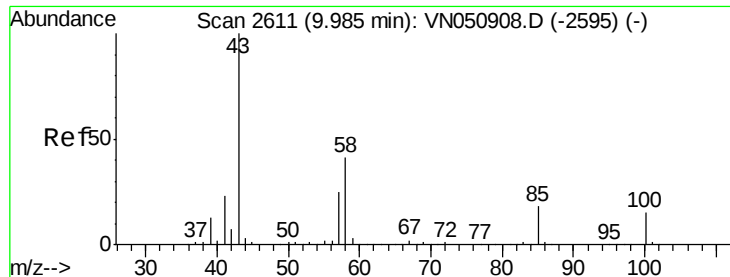
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#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051035.D
Acq: 6 Sep 2018 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.6	64.0
119	32.6	25.7	38.5





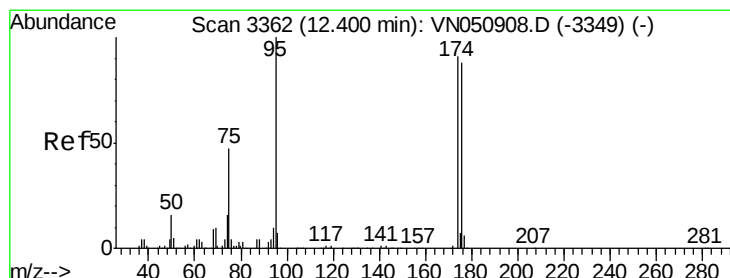
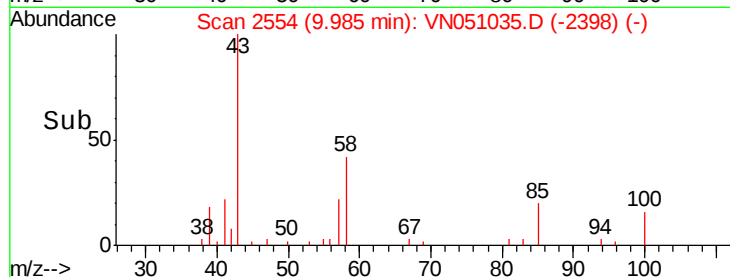
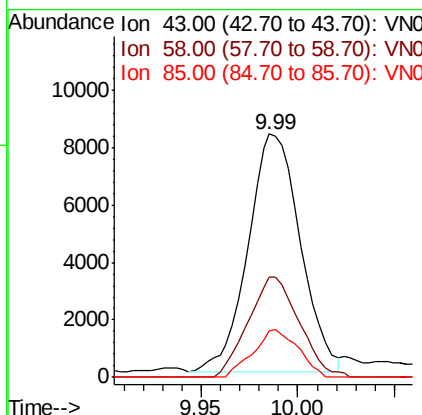
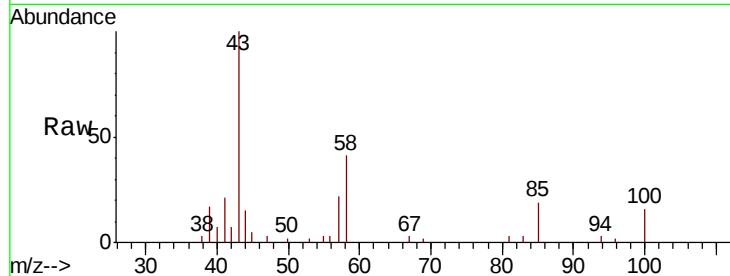
#58
 4-Methyl-2-Pentanone
 Concen: 2.23 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051035.D
 Acq: 6 Sep 2018 16:29

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.4	32.3	48.5
85	17.3	14.9	22.3

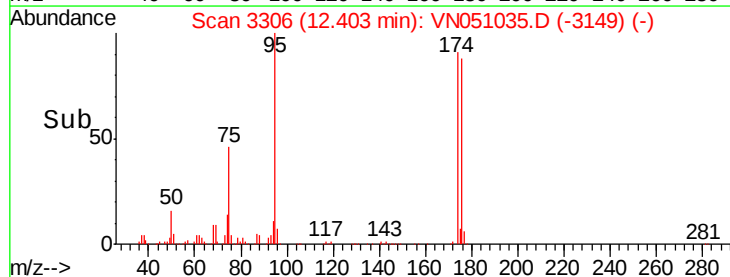
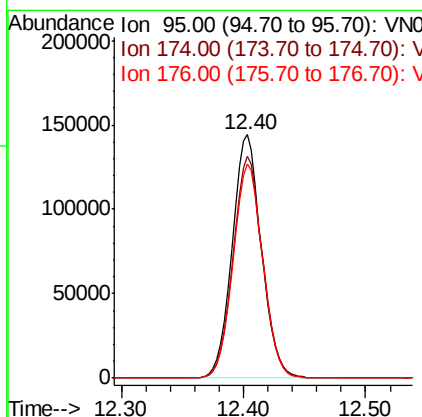
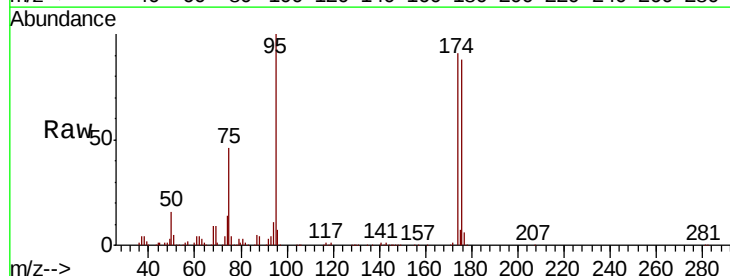
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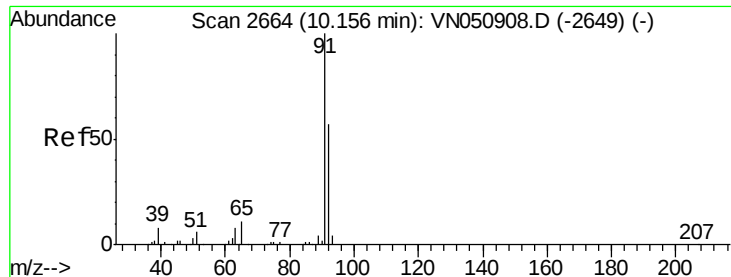
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#60
 4-Bromofluorobenzene
 Concen: 26.59 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051035.D
 Acq: 6 Sep 2018 16:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.9	74.6	112.0
176	88.9	71.5	107.3





#62

Toluene

Concen: 514.27 ug/l m

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN051035.D

Acq: 6 Sep 2018 16:29

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE(SEP)

Tot Ion: 91 Resp:17416955

Ion Ratio Lower Upper

91 100

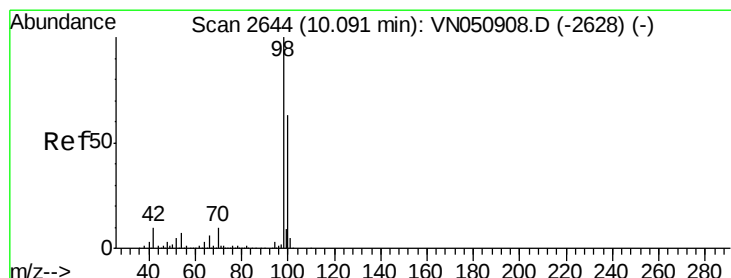
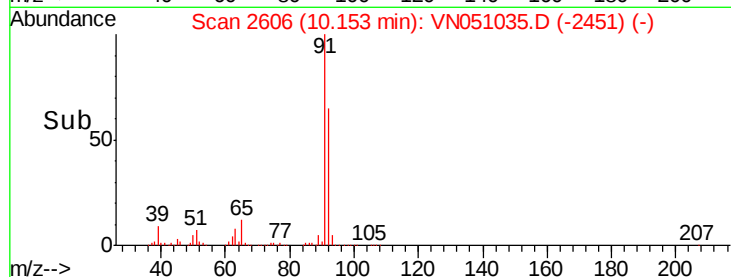
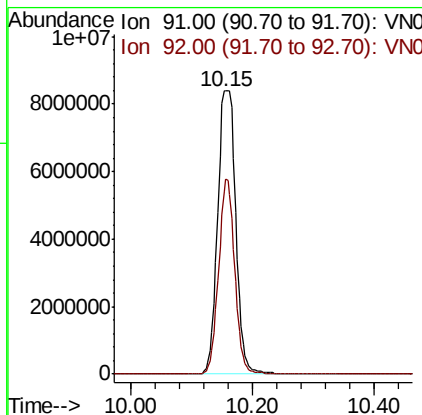
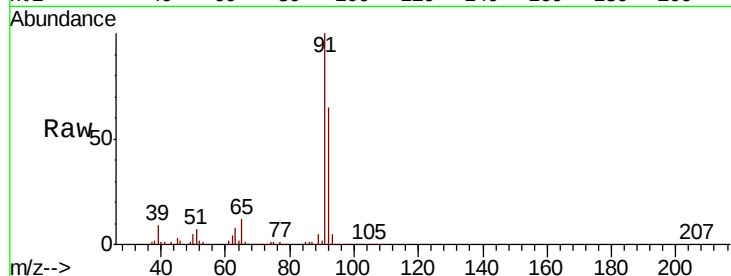
92 0.0 45.8 68.8#

Manual Integrations

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#63

Toluene-d8

Concen: 29.27 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051035.D

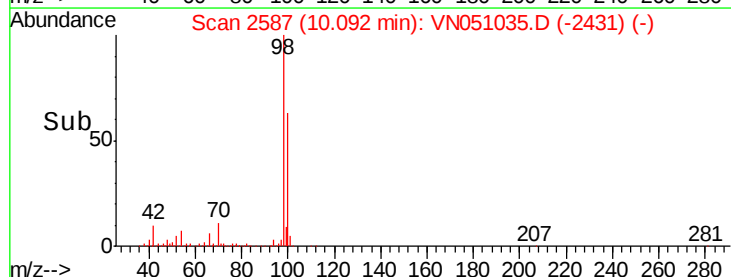
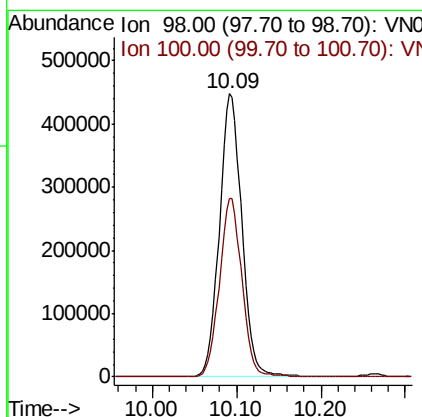
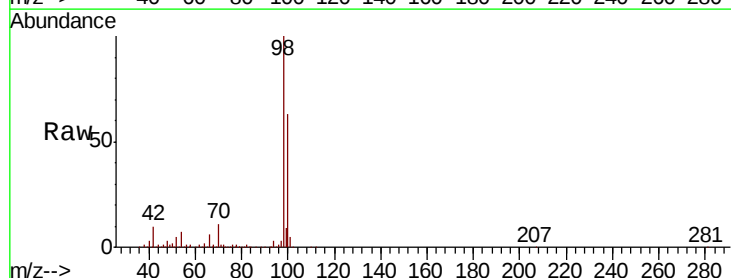
Acq: 6 Sep 2018 16:29

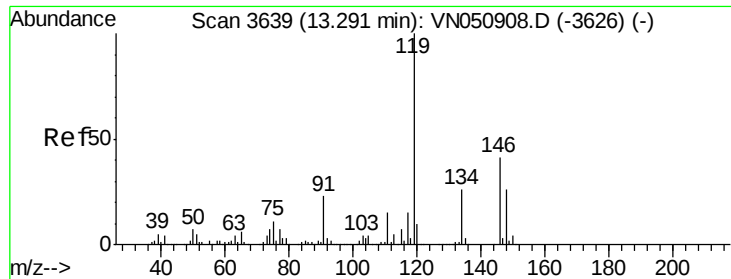
Tgt Ion: 98 Resp: 828556

Ion Ratio Lower Upper

98 100

100 63.1 50.6 75.8





#82
 p-Isopropyltoluene
 Concen: 10.95 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051035.D
 Acq: 6 Sep 2018 16:29

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

Tot Ion:	119	Resp:	300819
Ion Ratio		Lower	Upper
119	100		
134	28.0	0.0	53.2
91	23.0	0.0	46.0

Manual Integrations
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