

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054270.D
 Acq On : 14 Mar 2019 18:59
 Operator : JC/SP
 Sample : K1898-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:14:12 AM

Quant Time: Mar 15 07:58:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1410942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2346419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2427836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1004396	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	739694	49.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.72%	
35) Dibromofluoromethane	7.59	113	730751	48.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.58%	
50) Toluene-d8	10.09	98	2879422	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.40	95	1084070	55.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.86%	
Target Compounds						
4) Vinyl Chloride	2.19	62	17310	1.166	ug/l	94
12) 1,1-Dichloroethene	3.73	96	79015	5.391	ug/l	97
24) 1,1-Dichloroethane	5.85	63	219788	9.120	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	18963	1.210	ug/l	81
32) 1,1,1-Trichloroethane	7.57	97	19910m	0.877	ug/l	
44) Trichloroethene	8.84	130	7383	0.384	ug/l	92
95) Naphthalene	15.13	128	121287	6.032	ug/l	99

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

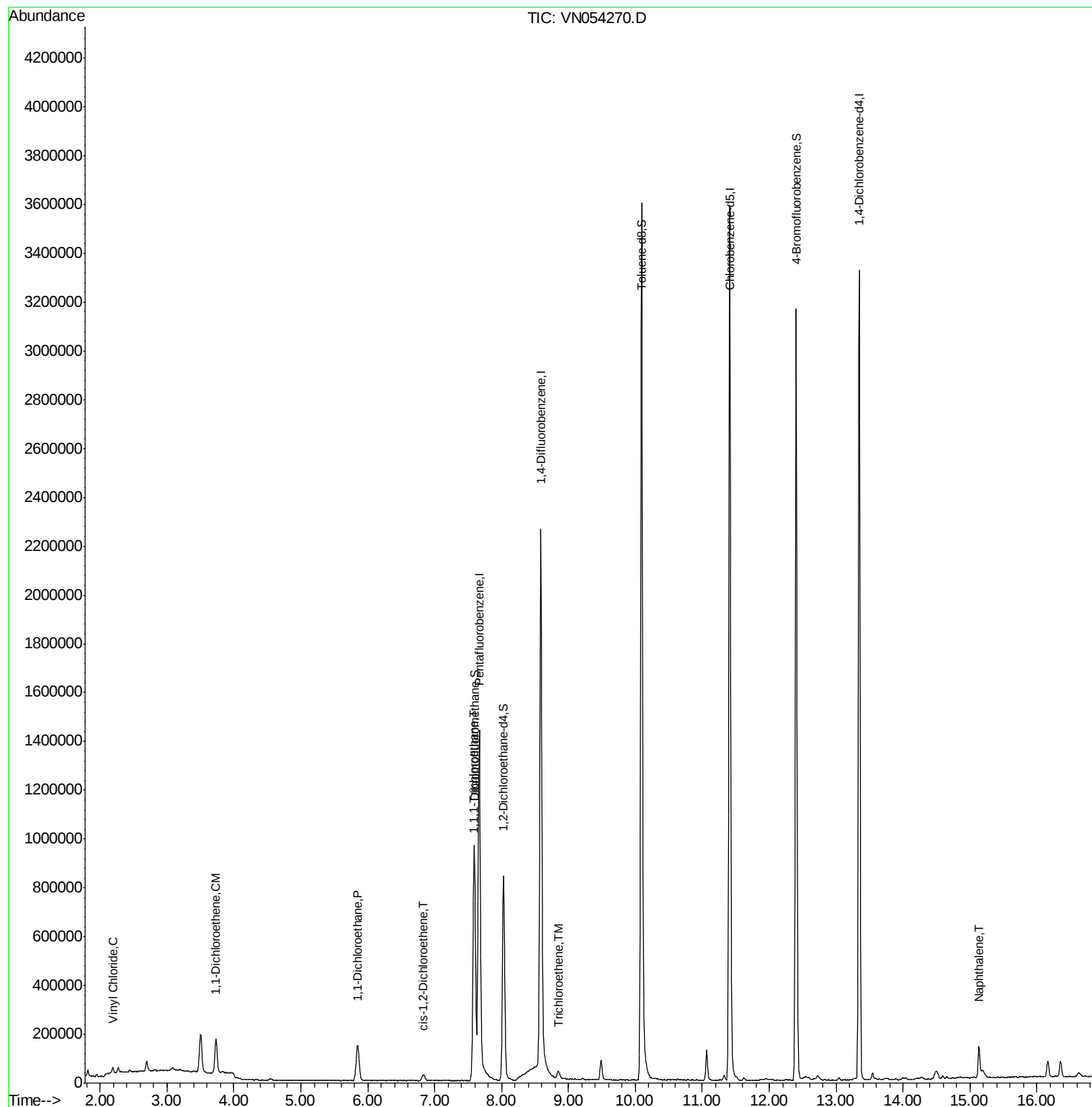
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054270.D
Acq On : 14 Mar 2019 18:59
Operator : JC/SP
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Instrument :
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MW-3

Manual Integrations
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3/15/2019 10:14:12 AM

Quant Time: Mar 15 07:58:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054270.D

Acq: 14 Mar 2019 18:59

Instrument :

MSVOA_N

ClientSampled :

MW-3

Tgt Ion:168 Resp: 1410942

Ion Ratio Lower Upper

168 100

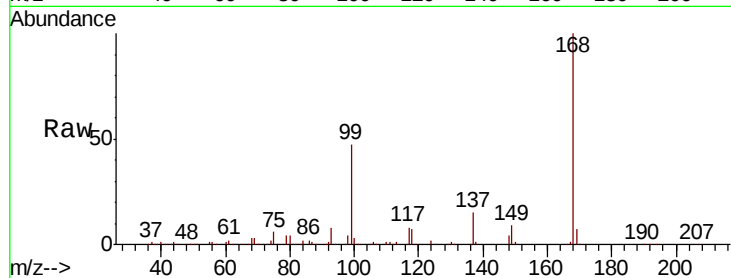
99 46.7 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

0

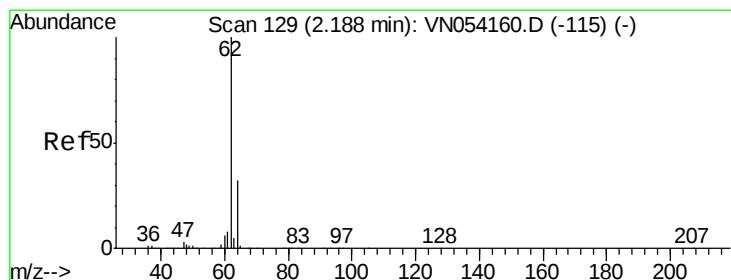
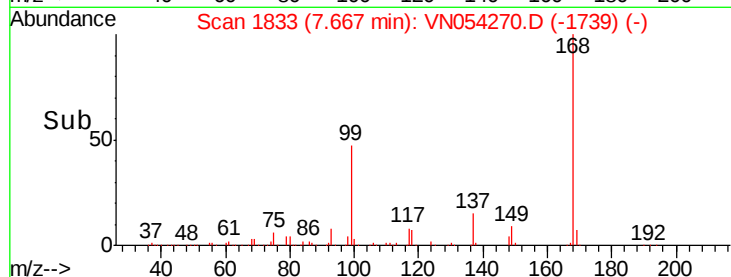
7.67

7.60

7.70

7.80

Time-->



#4

Vinyl Chloride

Concen: 1.166 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054270.D

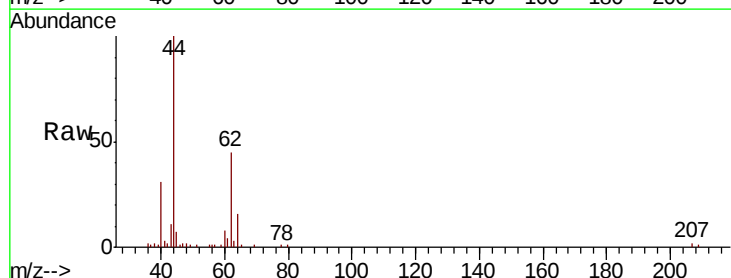
Acq: 14 Mar 2019 18:59

Tgt Ion: 62 Resp: 17310

Ion Ratio Lower Upper

62 100

64 35.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

10000

5000

0

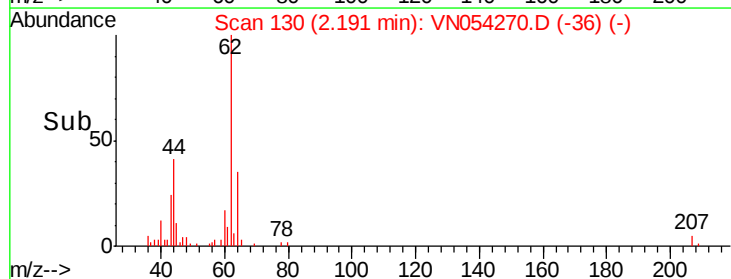
2.19

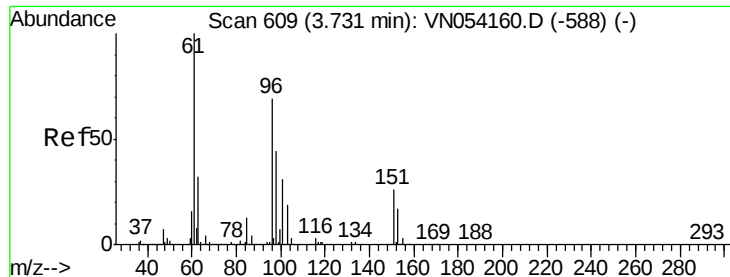
2.15

2.20

2.25

Time-->





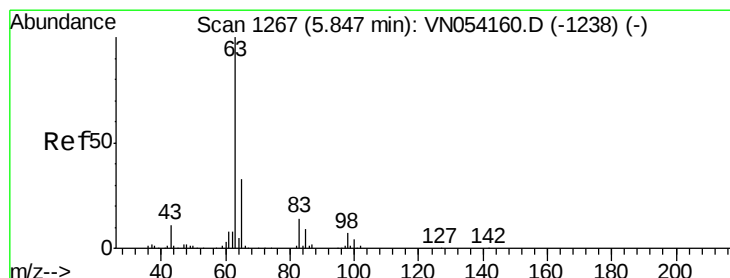
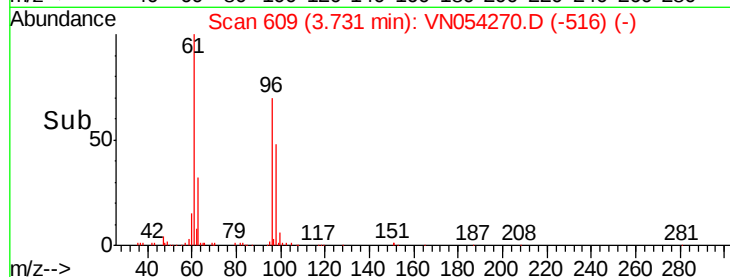
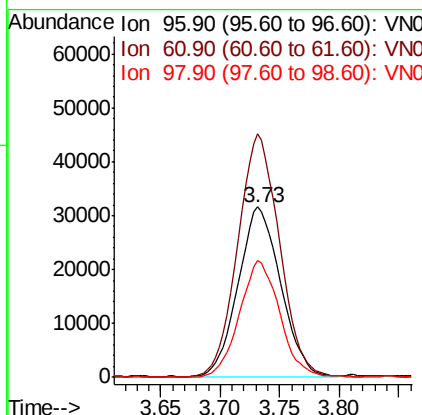
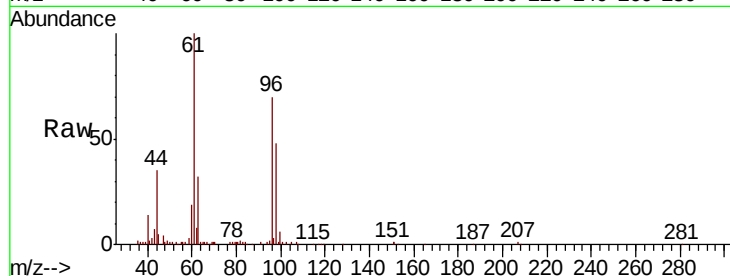
#12
 1,1-Dichloroethene
 Concen: 5.391 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054270.D
 Acq: 14 Mar 2019 18:59

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.9	116.5	174.7
98	67.9	51.0	76.4

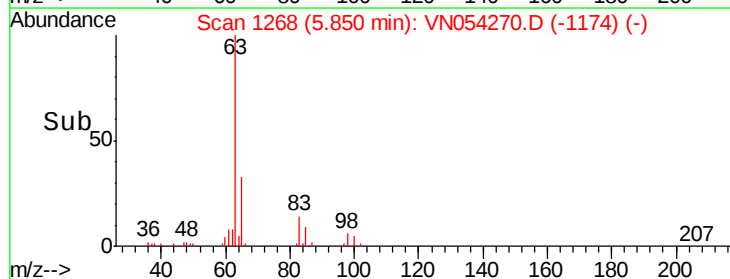
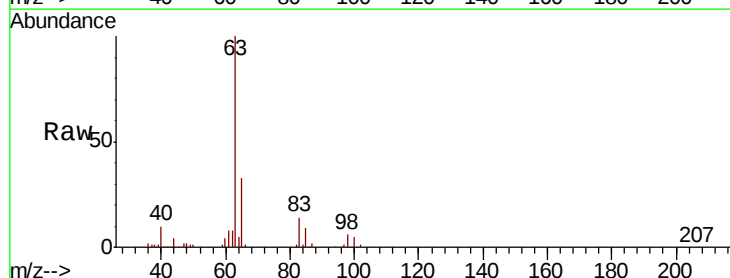
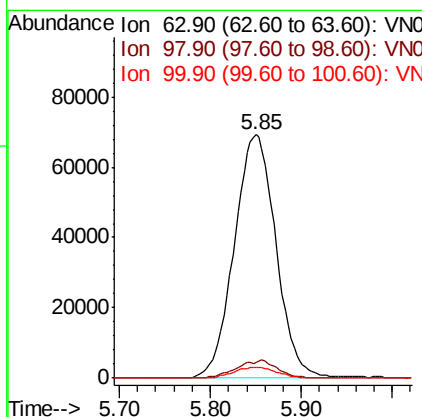
Manual Integrations
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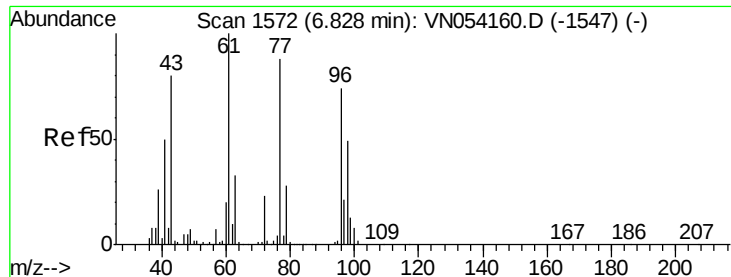
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 3/15/2019 10:14:12 AM



#24
 1,1-Dichloroethane
 Concen: 9.120 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054270.D
 Acq: 14 Mar 2019 18:59

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.5
100	4.5	2.0	6.0





#27

cis-1,2-Dichloroethene

Concen: 1.210 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054270.D

Acq: 14 Mar 2019 18:59

Instrument :

MSVOA_N

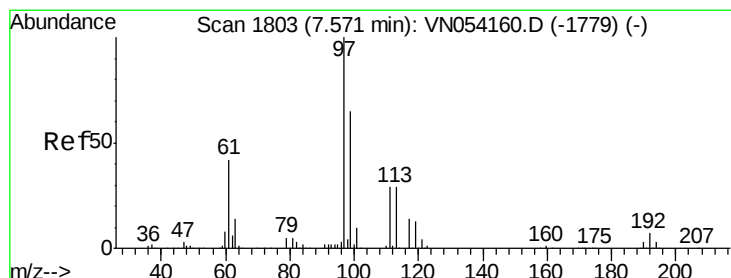
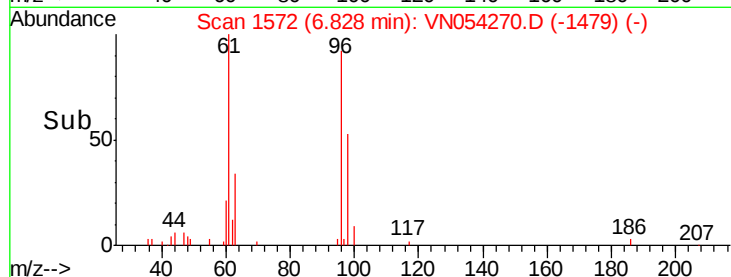
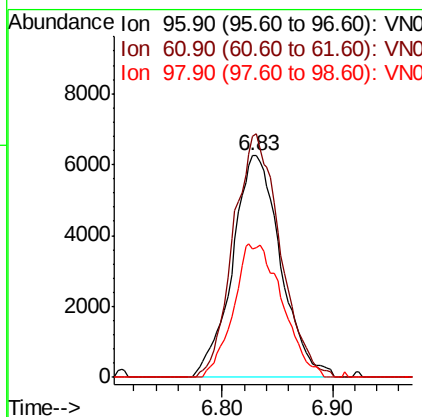
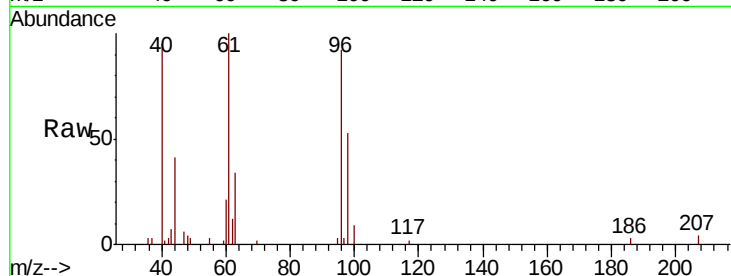
ClientSampleId :

MW-3

Tgt Ion:	96	Resp:	18963
Ion	Ratio	Lower	Upper
96	100		
61	106.4	0.0	273.0
98	60.8	0.0	130.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.877 ug/l m

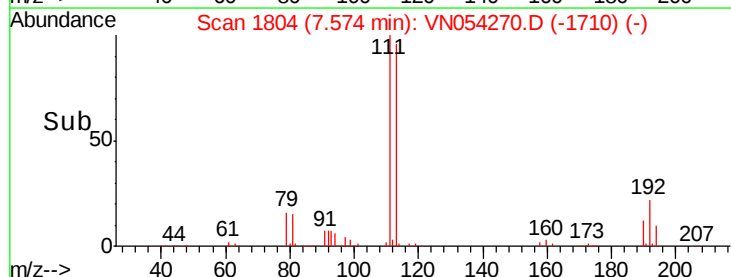
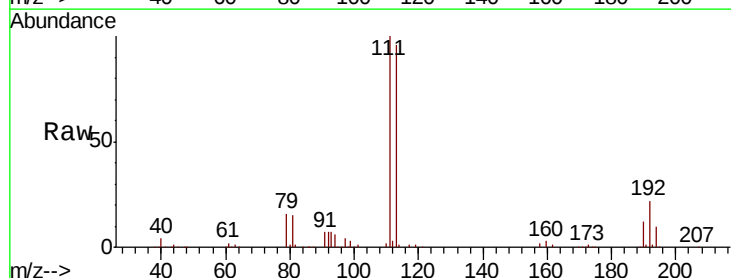
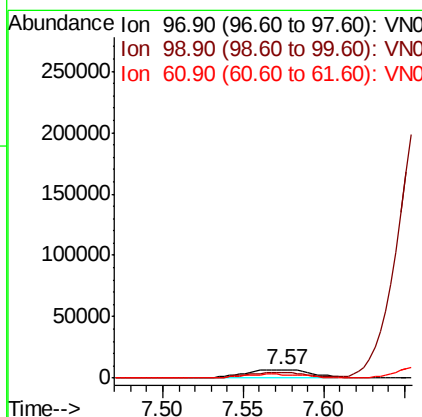
RT: 7.57 min Scan# 1804

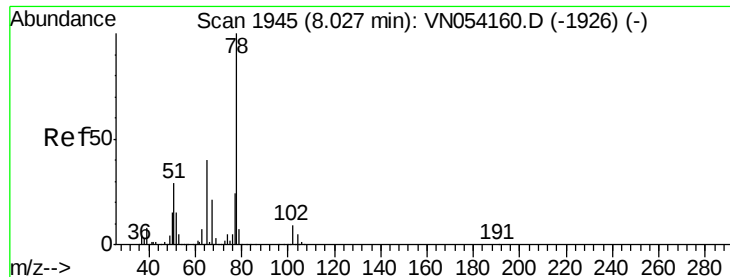
Delta R.T. 0.00 min

Lab File: VN054270.D

Acq: 14 Mar 2019 18:59

Tgt Ion:	97	Resp:	19910
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	43.5	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 49.365 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054270.D

Acq: 14 Mar 2019 18:59

Instrument :

MSVOA_N

ClientSampled :

MW-3

Tgt Ion: 65 Resp: 739694

Ion Ratio Lower Upper

65 100

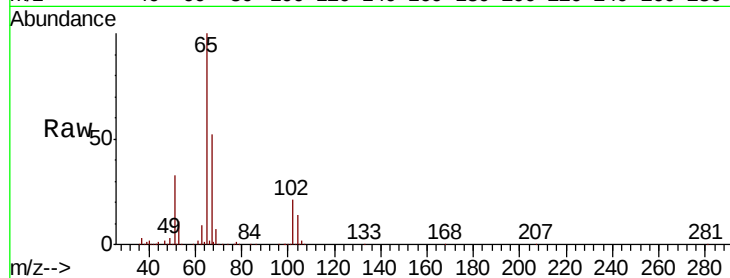
67 51.8 0.0 104.6

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Abundance Ion 64.90 (64.60 to 65.60): VN054270.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054270.D (-1926) (-)

8.03

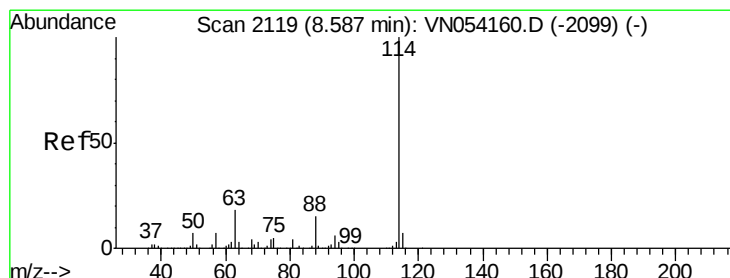
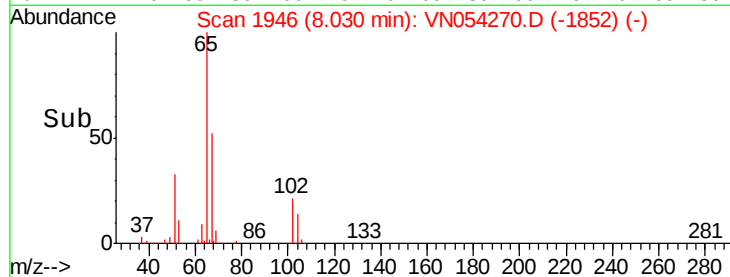
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054270.D

Acq: 14 Mar 2019 18:59

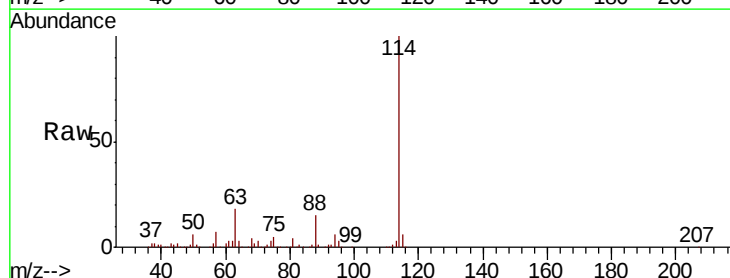
Tgt Ion: 114 Resp: 2346419

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.2

88 14.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054270.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN054270.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN054270.D (-2099) (-)

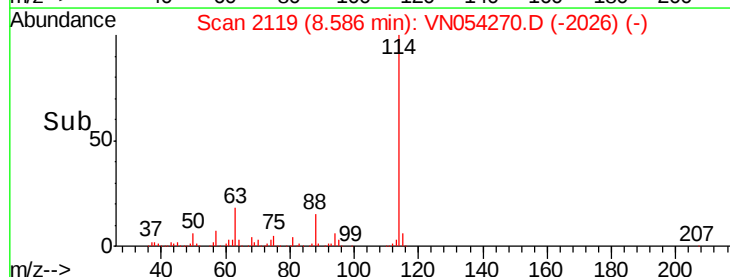
8.59

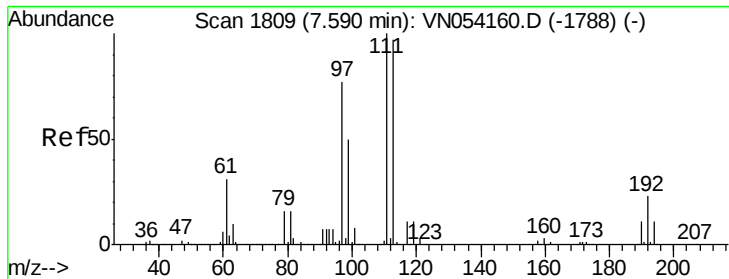
1000000

500000

0

Time-->





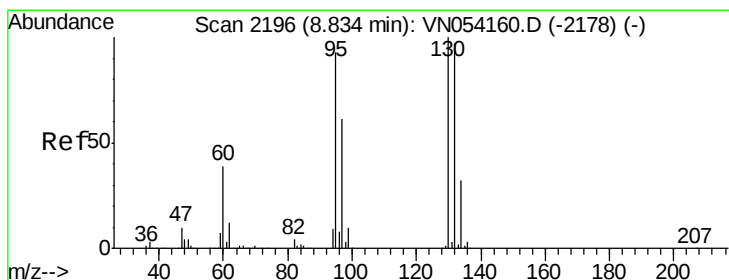
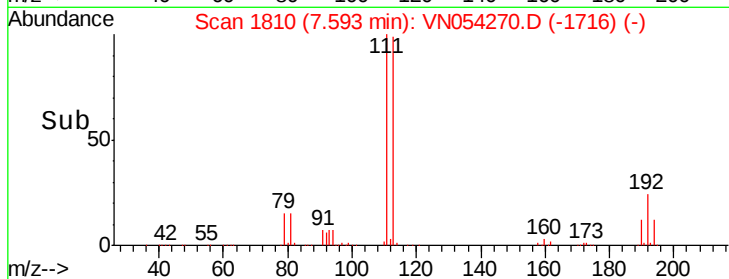
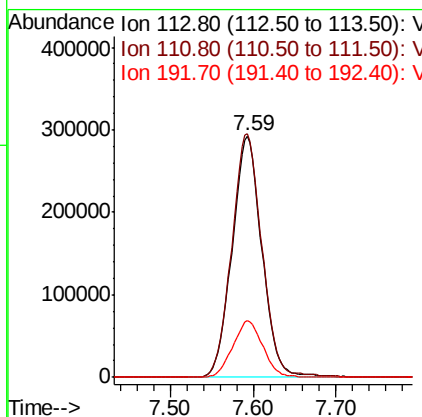
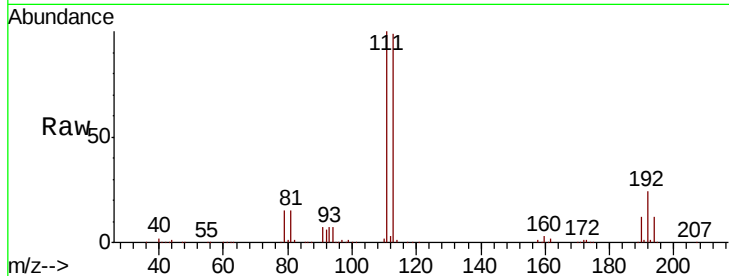
#35
 Dibromofluoromethane
 Concen: 48.287 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054270.D
 Acq: 14 Mar 2019 18:59

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	730751		
111	102.6	82.2	123.4	
192	23.9	19.2	28.8	

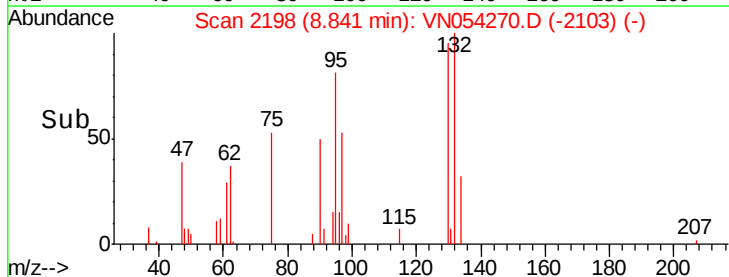
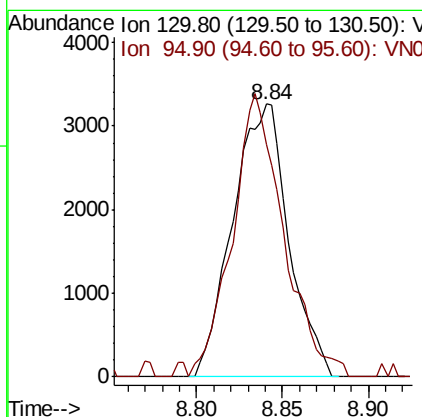
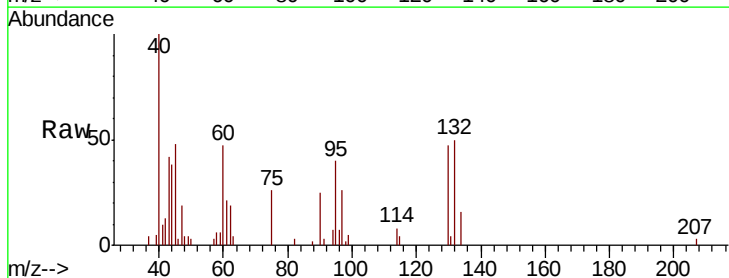
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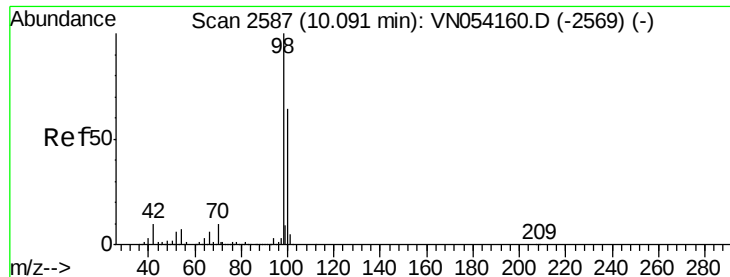
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#44
 Trichloroethene
 Concen: 0.384 ug/l
 RT: 8.84 min Scan# 2198
 Delta R.T. 0.01 min
 Lab File: VN054270.D
 Acq: 14 Mar 2019 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	7383		
95	85.0	0.0	185.2	





#50

Toluene-d8

Concen: 51.519 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054270.D

Acq: 14 Mar 2019 18:59

Instrument :

MSVOA_N

ClientSampleId :

MW-3

Tgt Ion: 98 Resp: 2879422

Ion Ratio Lower Upper

98 100

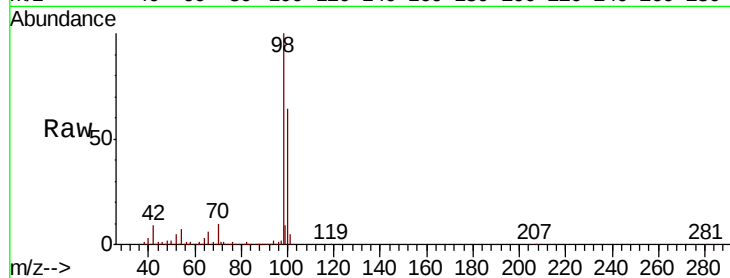
100 64.1 51.2 76.8

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)

10.09

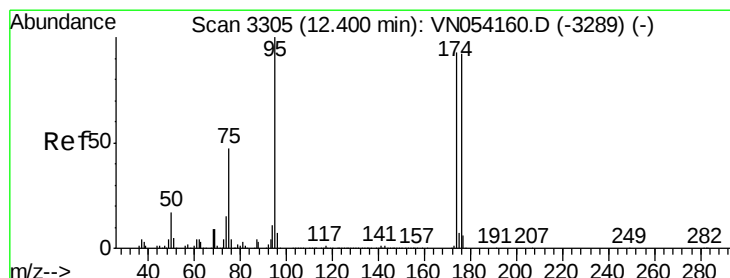
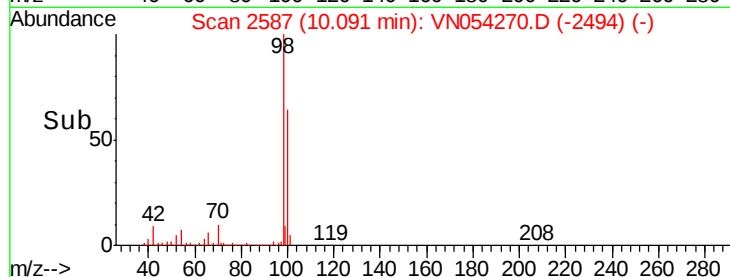
1500000

1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.434 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054270.D

Acq: 14 Mar 2019 18:59

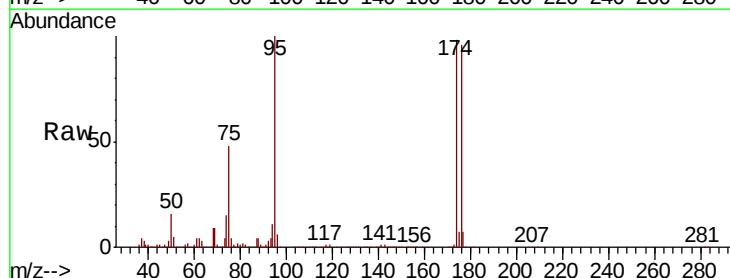
Tgt Ion: 95 Resp: 1084070

Ion Ratio Lower Upper

95 100

174 98.3 0.0 191.0

176 96.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)

12.40

800000

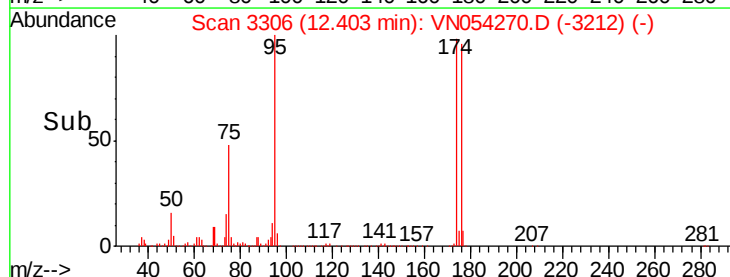
600000

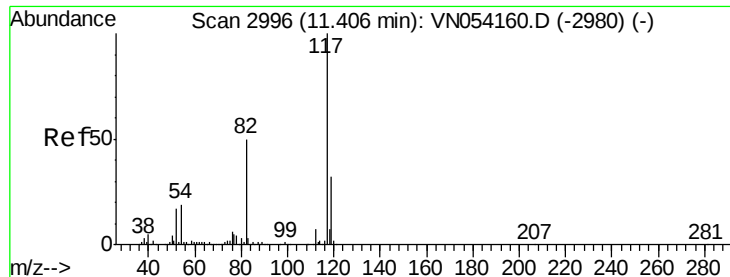
400000

200000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054270.D

Acq: 14 Mar 2019 18:59

Instrument :

MSVOA_N

ClientSampleId :

MW-3

Tgt Ion:117 Resp: 2427836

Ion Ratio Lower Upper

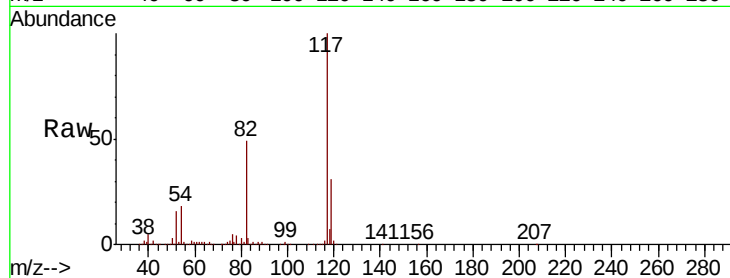
117 100

82 49.2 40.0 60.0

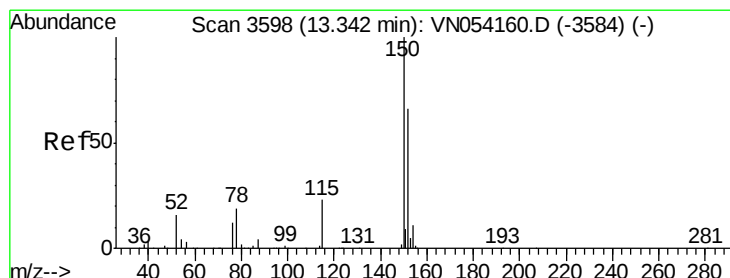
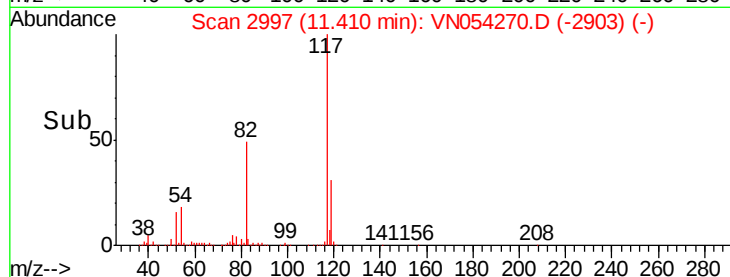
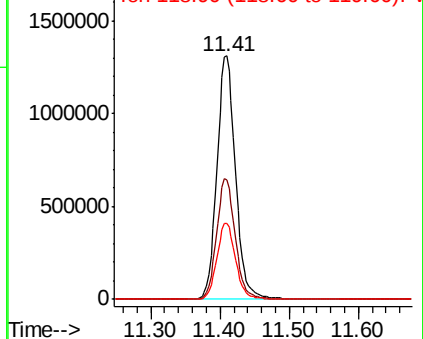
119 31.3 25.8 38.6

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054270.D

Acq: 14 Mar 2019 18:59

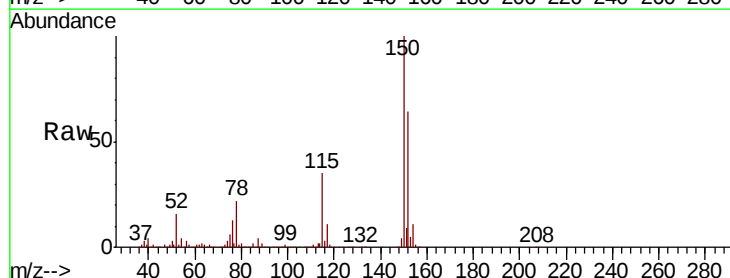
Tgt Ion:152 Resp: 1004396

Ion Ratio Lower Upper

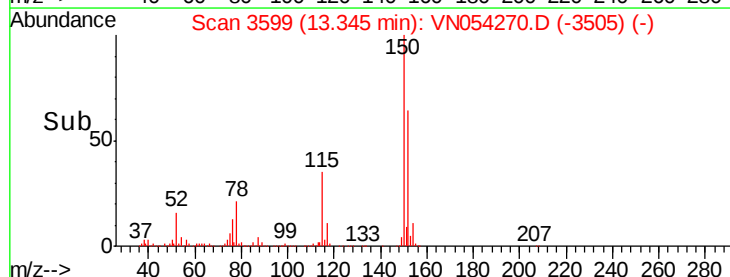
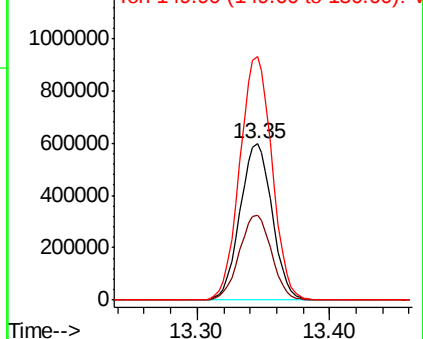
152 100

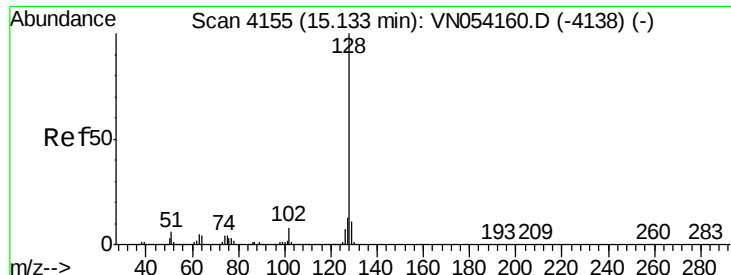
115 54.4 27.2 81.6

150 156.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#95
Naphthalene
Concen: 6.032 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054270.D
Acq: 14 Mar 2019 18:59

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt	Ion	128	Resp:	121287
Ion	Ratio	Lower	Upper	
128	100			
127	12.8	10.1	15.1	
129	11.5	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:14:12 AM

