

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049538.D
 Acq On : 26 Jun 2018 3:54
 Operator : MD\SY
 Sample : J3240-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BU-02-062218

Quant Time: Jun 26 04:43:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1084712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1681414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1352265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	333900	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	716286	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	7.59	113	649864	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	10.09	98	2291525	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	
62) 4-Bromofluorobenzene	12.40	95	530434	30.97	ug/l	0.00
Spiked Amount			Recovery	=	61.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	3724	0.41	ug/l	92
11) Tert butyl alcohol	4.74	59	860	1.02	ug/l #	70
13) Acrolein	3.59	56	249	0.28	ug/l #	1
14) Allyl chloride	4.55	41	321853	16.39	ug/l #	20
16) Acetone	3.82	43	35404	10.14	ug/l #	76
18) Methyl Acetate	4.33	43	68481	6.43	ug/l	94
20) Methylene Chloride	4.55	84	9268595	635.30	ug/l	92
25) 2-Butanone	6.85	43	5070	1.08	ug/l #	90
29) Tetrahydrofuran	7.22	42	757	0.25	ug/l #	74
30) Chloroform	7.37	83	13117	0.53	ug/l	93
31) Cyclohexane	7.66	56	19700	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	78042	4.05	ug/l #	51
38) Carbon Tetrachloride	7.67	117	100439	5.03	ug/l #	17
43) Isopropyl Acetate	8.26	43	163511	8.17	ug/l #	64
47) Bromodichloromethane	9.40	83	6027	0.31	ug/l #	94
49) 1,4-Dioxane	9.19	88	30	0.23	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	2747	0.26	ug/l #	81
52) Toluene	10.16	92	7495	0.22	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	126	14.35	ug/l #	51
64) Tetrachloroethene	10.63	164	3070	0.22	ug/l	89
65) Chlorobenzene	11.44	112	8159	0.23	ug/l	93
68) m/p-Xylenes	11.62	106	9746	0.45	ug/l	96
69) o-Xylene	11.95	106	4297	0.21	ug/l	95
71) Bromoform	12.41	173	3282	0.39	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	180	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	255789	44.90	ug/l #	100
78) n-propylbenzene	12.59	91	7167	0.22	ug/l	92
80) 1,3,5-Trimethylbenzene	12.74	105	16701	0.72	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	255789	141.90	ug/l #	8
83) tert-Butylbenzene	13.04	119	8448	0.41	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.04	105	60159	2.63	ug/l	96
90) Hexachloroethane	13.89	117	908	Below Cal	#	9
91) 1,2-Dichlorobenzene	13.66	146	2534	0.20	ug/l	81
93) 1,2,4-Trichlorobenzene	14.91	180	1248	4.94	ug/l	92

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QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

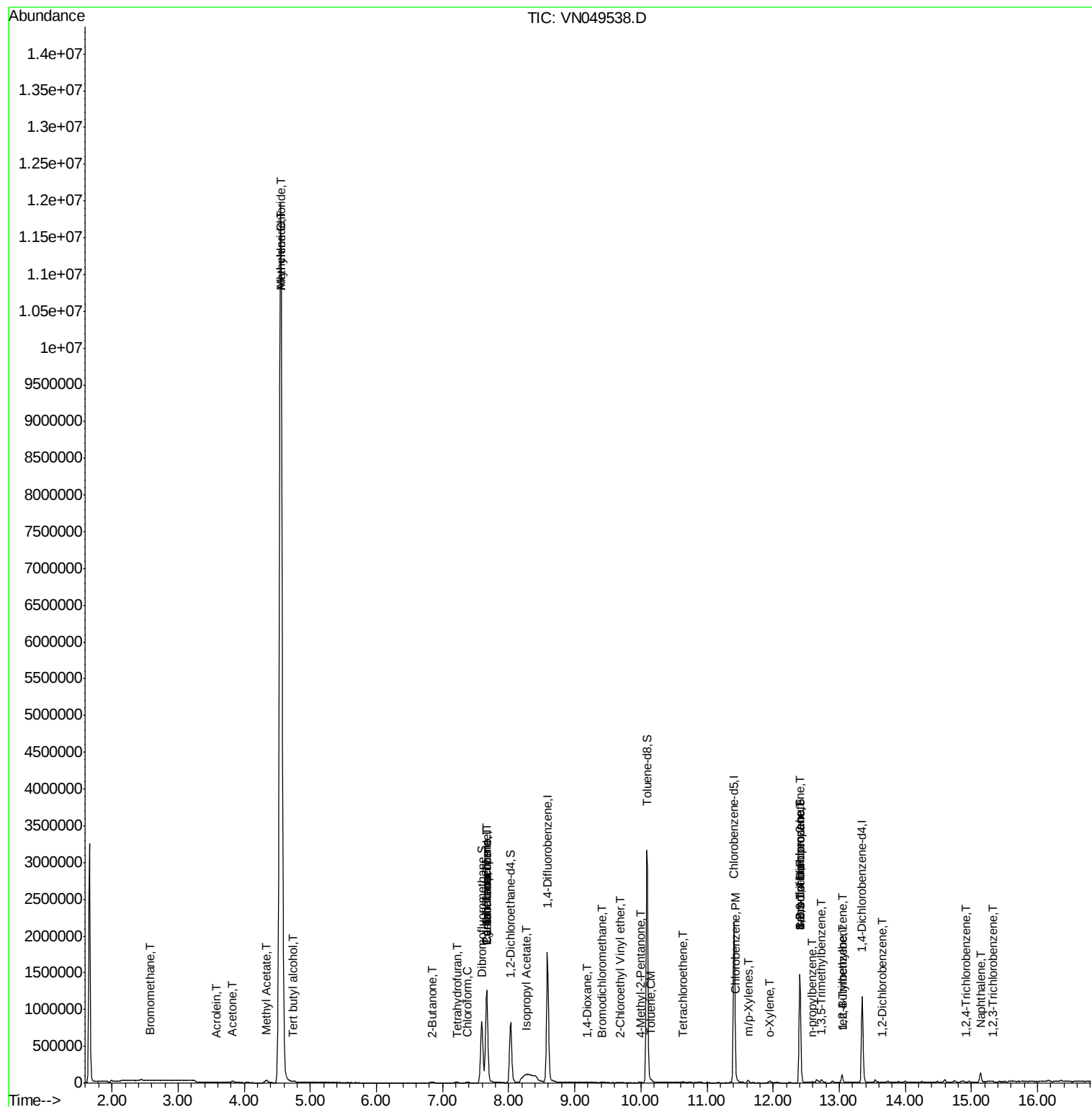
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.14	128	110632	13.64	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	661	3.57	ug/l #	63

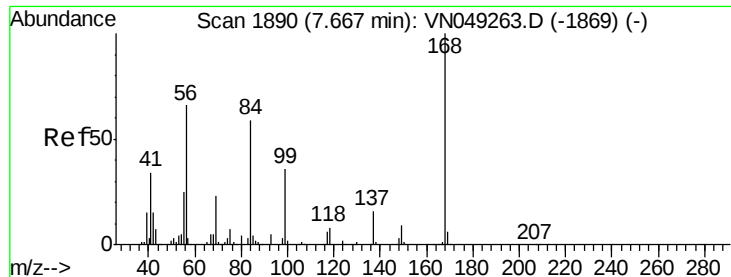
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampled :

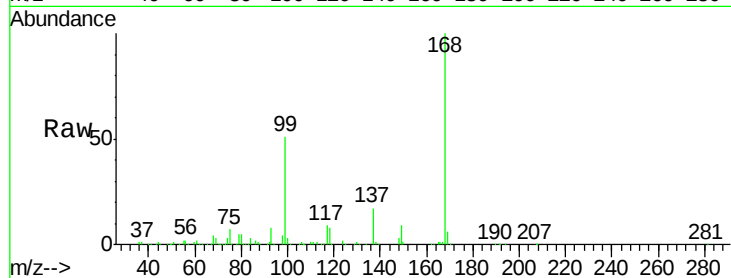
BU-02-062218

Tot Ion:168 Resp: 1084712

Ion Ratio Lower Upper

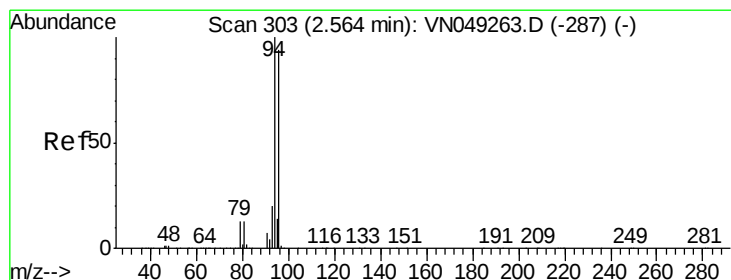
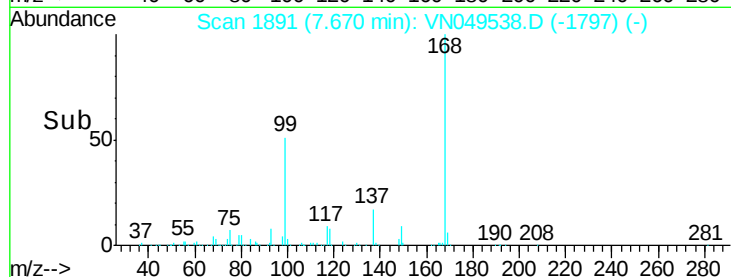
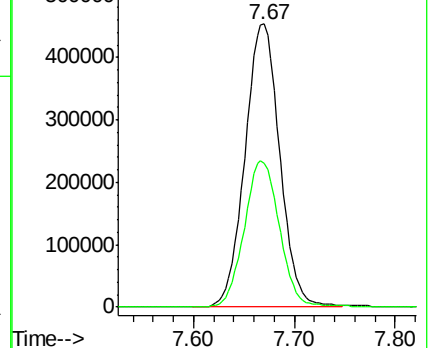
168 100

99 50.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: 0.41 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049538.D

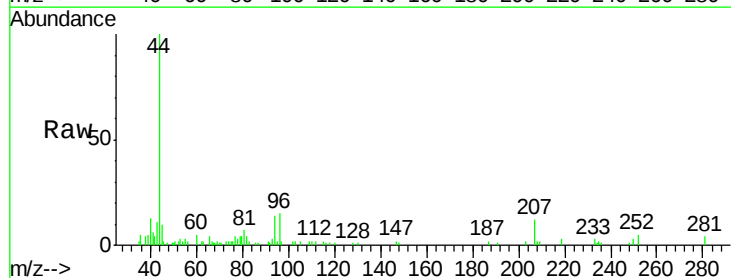
Acq: 26 Jun 2018 3:54

Tgt Ion: 94 Resp: 3724

Ion Ratio Lower Upper

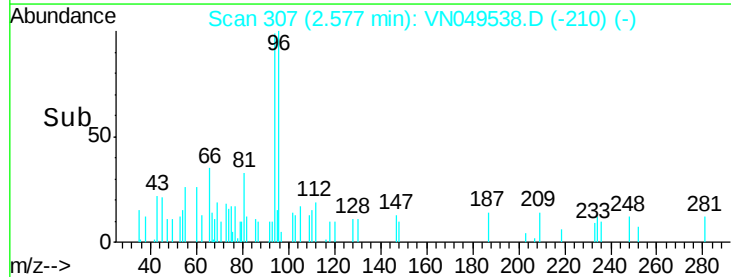
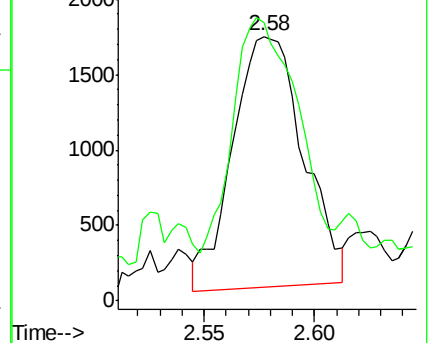
94 100

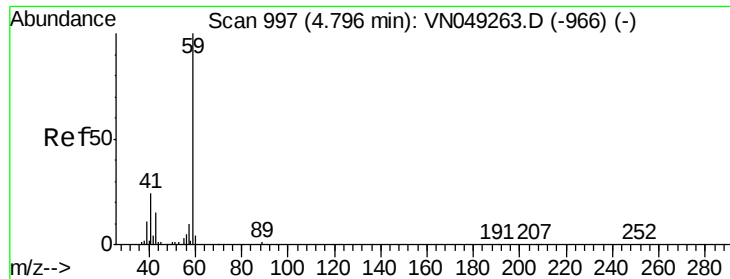
96 98.3 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



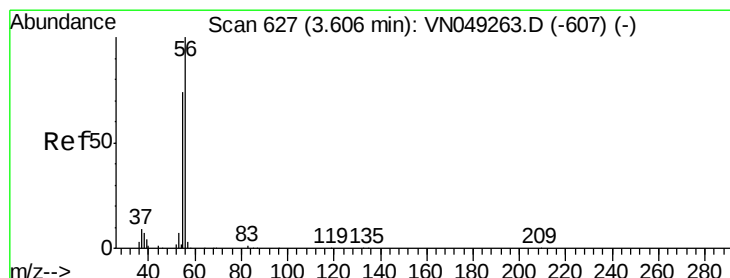
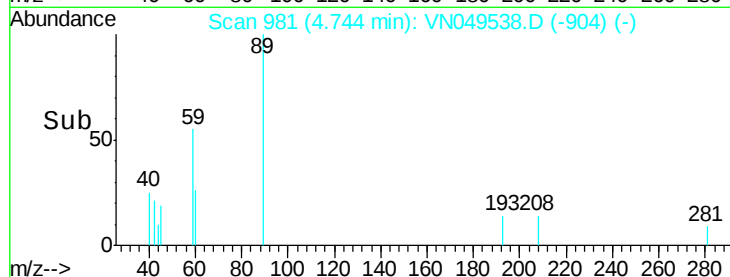
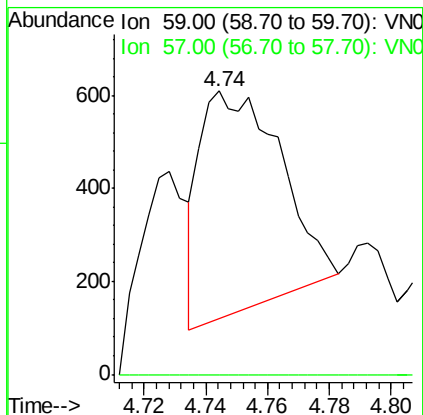
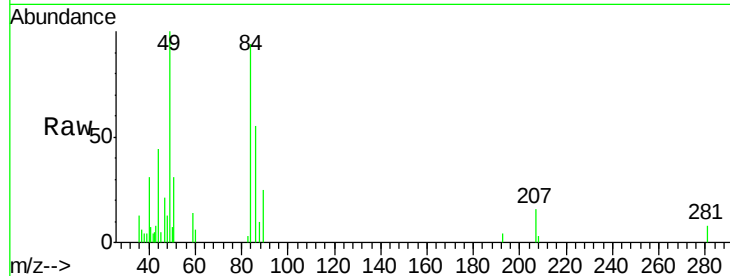


#11

Tert butyl alcohol
 Concen: 1.02 ug/l
 RT: 4.74 min Scan# 981
 Delta R.T. -0.05 min
 Lab File: VN049538.D
 Acq: 26 Jun 2018 3:54

Instrument :
 MSVOA_N
 ClientSampled :
 BU-02-062218

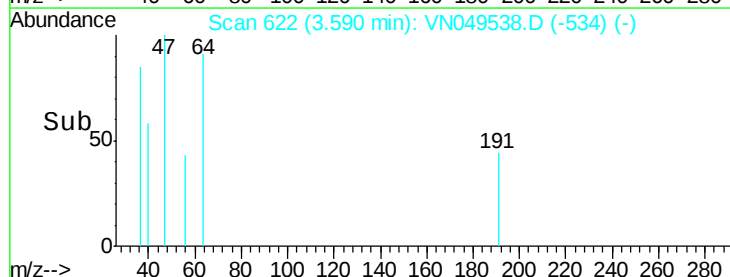
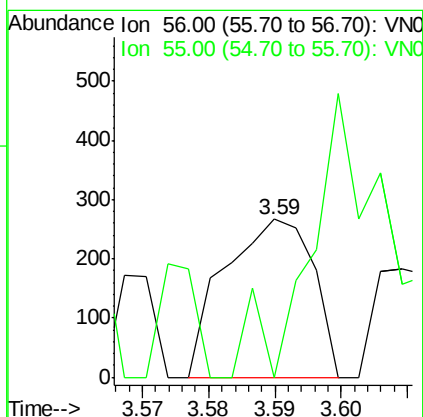
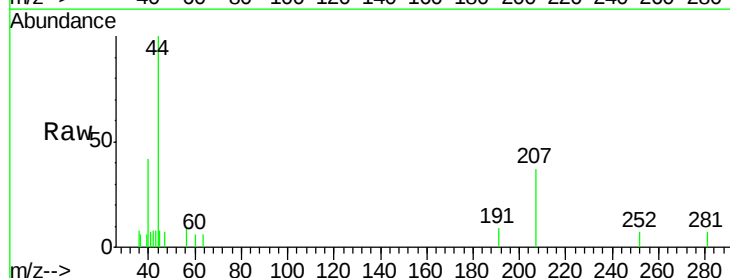
Tot Ion: 59 Resp: 860
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

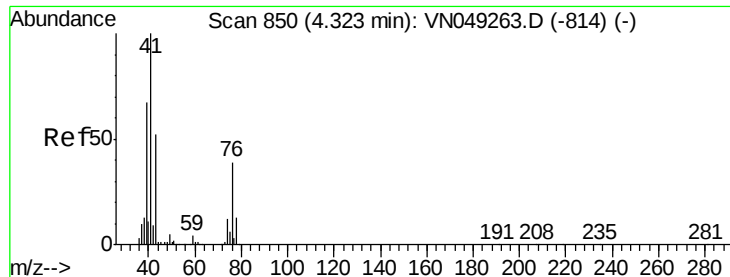


#13

Acrolein
 Concen: 0.28 ug/l
 RT: 3.59 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: VN049538.D
 Acq: 26 Jun 2018 3:54

Tgt Ion: 56 Resp: 249
 Ion Ratio Lower Upper
 56 100
 55 163.5 57.1 85.7#

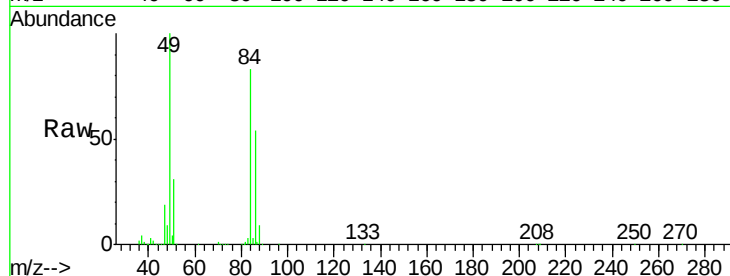




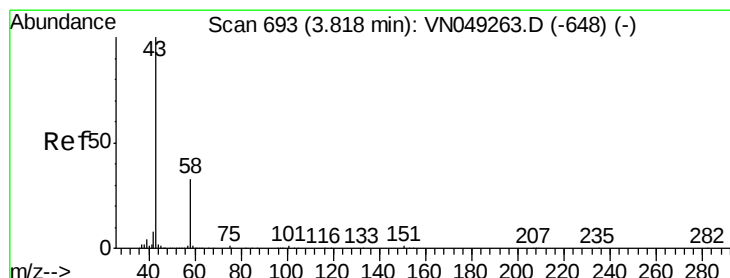
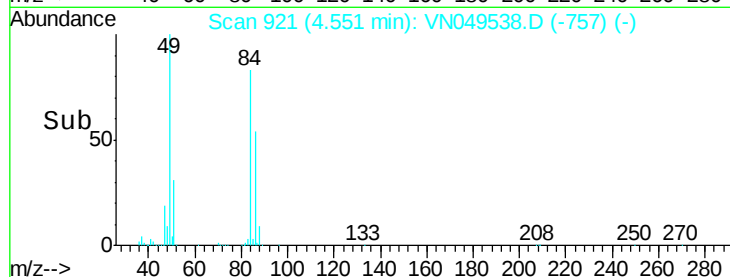
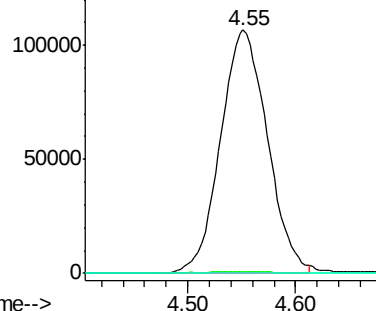
#14
Allvl chloride
Concen: 16.39 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.23 min
Lab File: VN049538.D
Acq: 26 Jun 2018 3:54

Instrument :
MSVOA_N
ClientSampled :
BU-02-062218

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.4	62.5	93.7#
76	0.0	27.1	40.7#

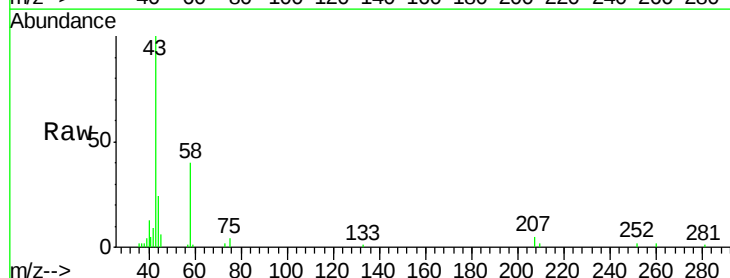


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

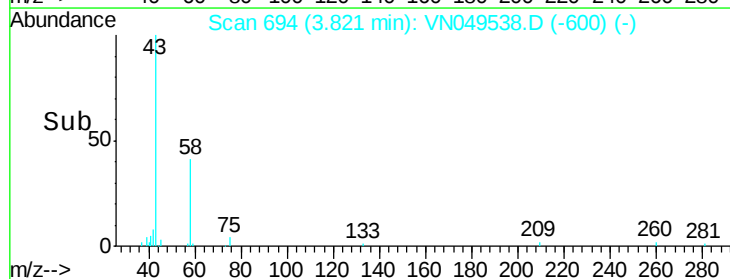
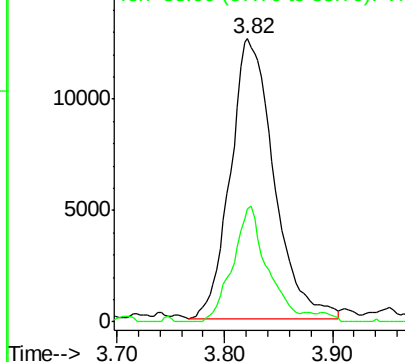


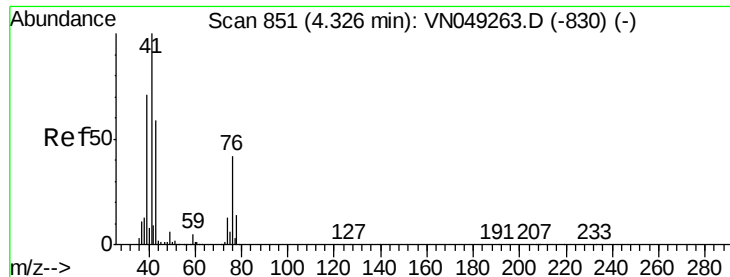
#16
Acetone
Concen: 10.14 ug/l
RT: 3.82 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN049538.D
Acq: 26 Jun 2018 3:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	22.4	33.6#



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

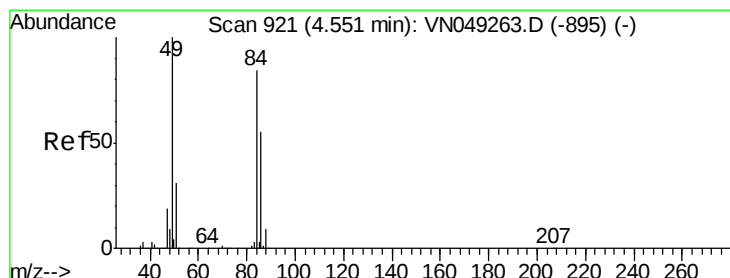
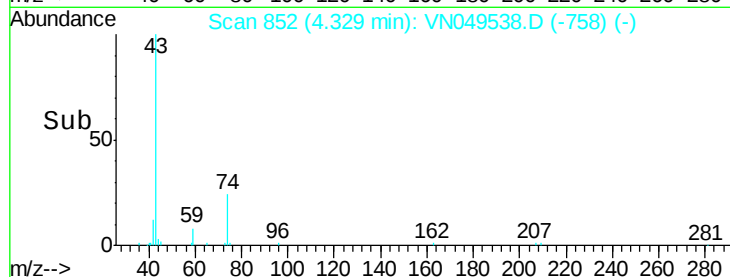
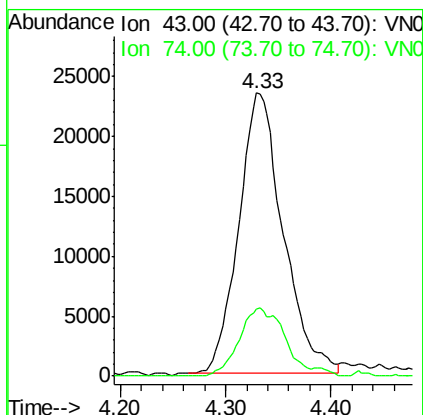
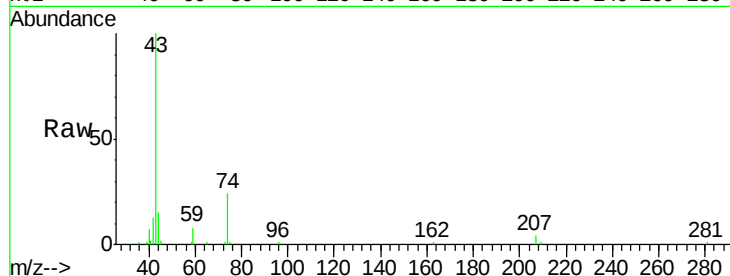




#18
Methvl Acetate
Concen: 6.43 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049538.D
Acq: 26 Jun 2018 3:54

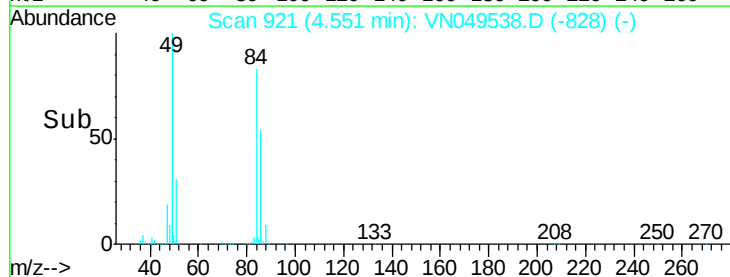
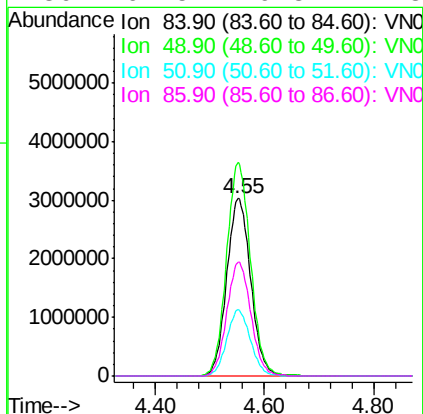
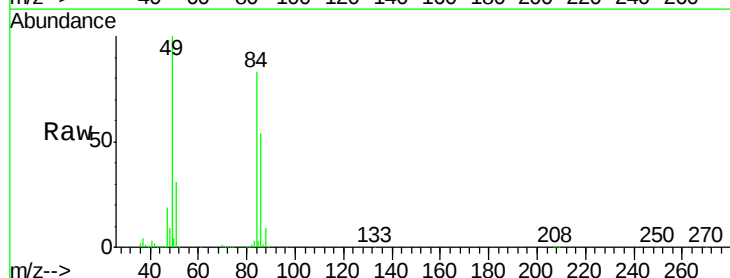
Instrument :
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ClientSampled :
BU-02-062218

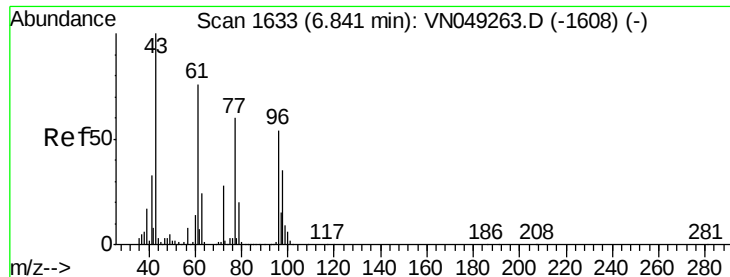
Tot Ion: 43 Resp: 68481
Ion Ratio Lower Upper
43 100
74 24.4 17.4 26.0



#20
Methylene Chloride
Concen: 635.30 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049538.D
Acq: 26 Jun 2018 3:54

Tgt Ion: 84 Resp: 9268595
Ion Ratio Lower Upper
84 100
49 120.3 106.9 160.3
51 37.2 32.7 49.1
86 64.5 49.8 74.8

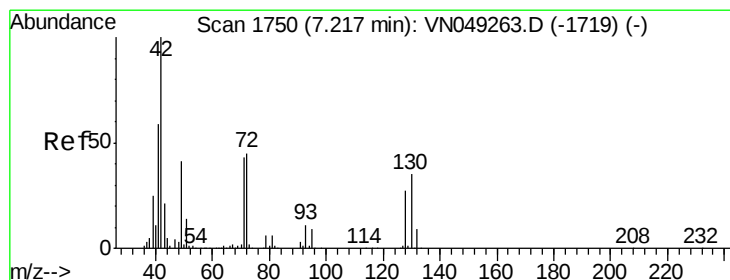
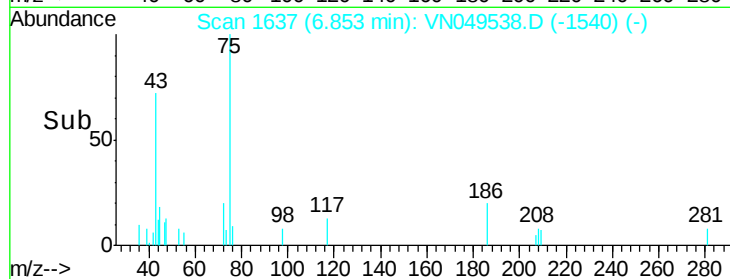
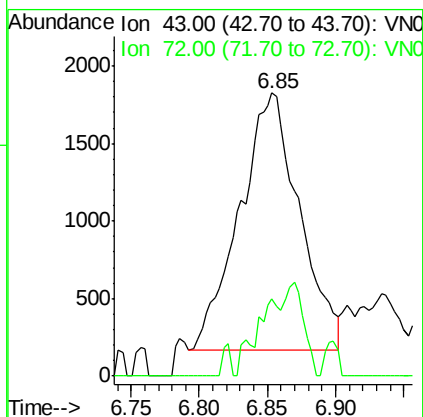
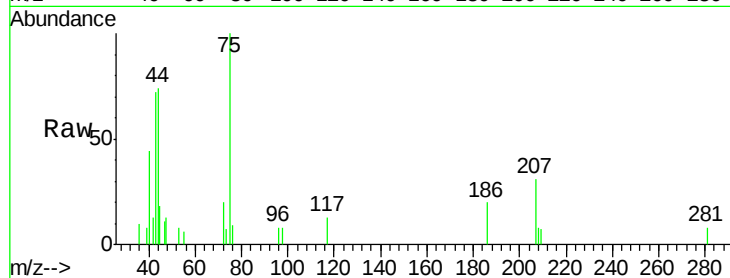




#25
2-Butanone
Concen: 1.08 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049538.D
Acq: 26 Jun 2018 3:54

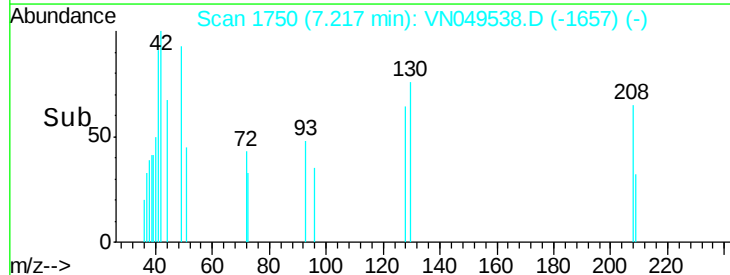
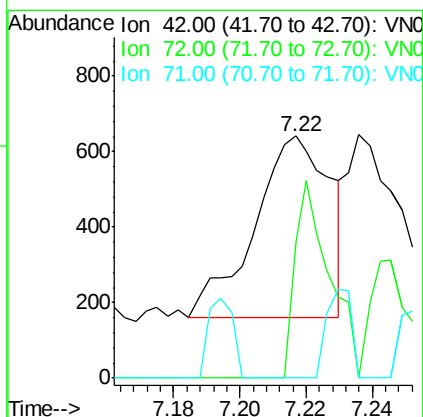
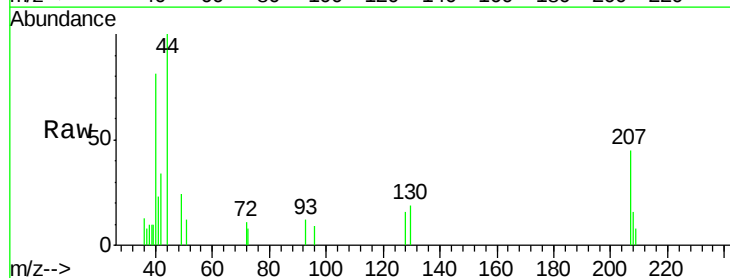
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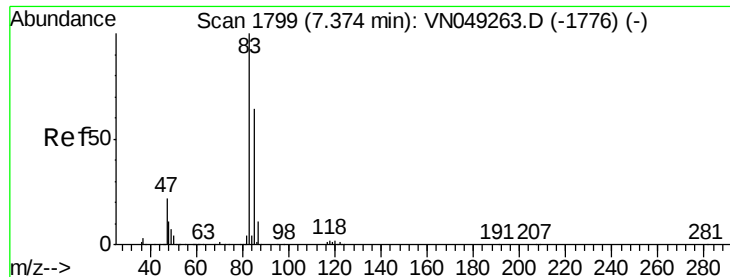
Tot Ion: 43 Resp: 5070
Ion Ratio Lower Upper
43 100
72 30.3 20.2 30.2#



#29
Tetrahydrofuran
Concen: 0.25 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049538.D
Acq: 26 Jun 2018 3:54

Tgt Ion: 42 Resp: 757
Ion Ratio Lower Upper
42 100
72 50.3 32.2 48.4#
71 16.2 30.5 45.7#





#30

Chloroform

Concen: 0.53 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

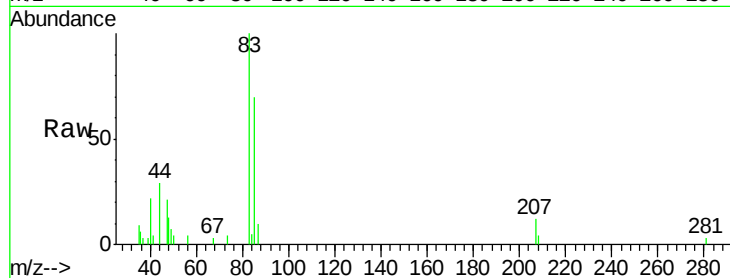
BU-02-062218

Tot Ion: 83 Resp: 13117

Ion Ratio Lower Upper

83 100

85 70.2 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049538.D (-1776) (-)

Ion 84.90 (84.60 to 85.60): VN049538.D (-1776) (-)

7.37

6000

5000

4000

3000

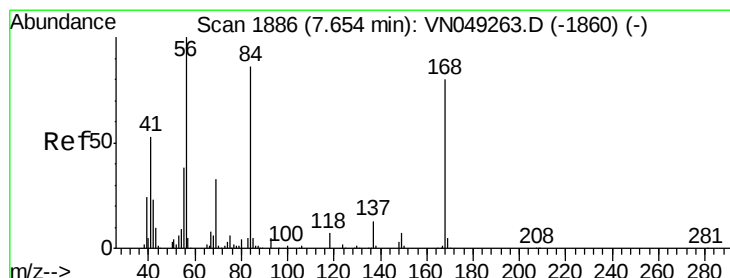
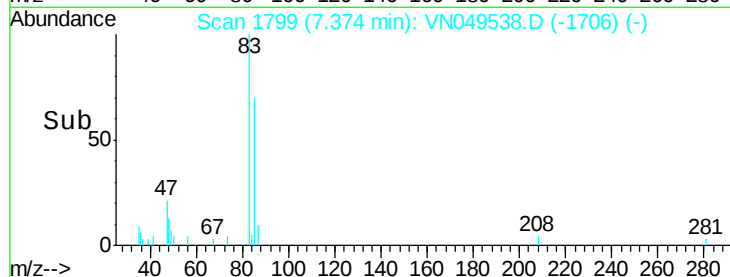
2000

1000

0

7.30 7.35 7.40 7.45

Time-->



#31

Cyclohexane

Concen: 0.75 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

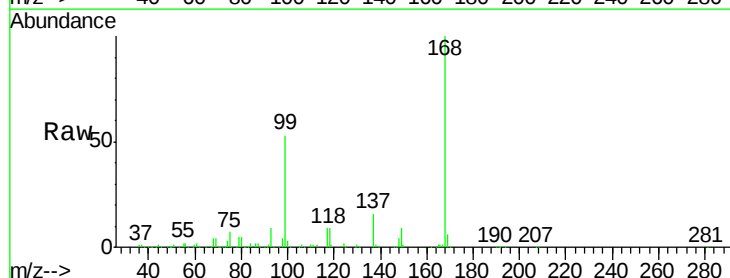
Tgt Ion: 56 Resp: 19700

Ion Ratio Lower Upper

56 100

69 186.1 25.0 37.4#

84 128.6 64.6 96.8#



Abundance Ion 56.00 (55.70 to 56.70): VN049538.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049538.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049538.D (-1793) (-)

20000

15000

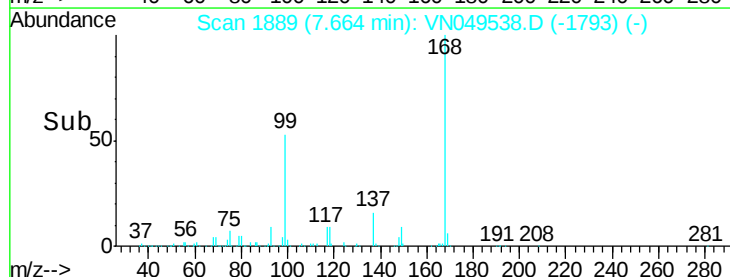
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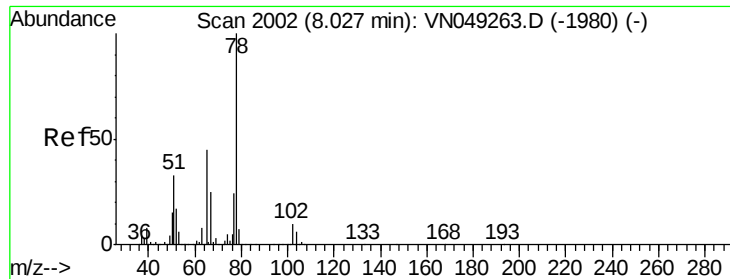
5000

0

7.60 7.65 7.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.79 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

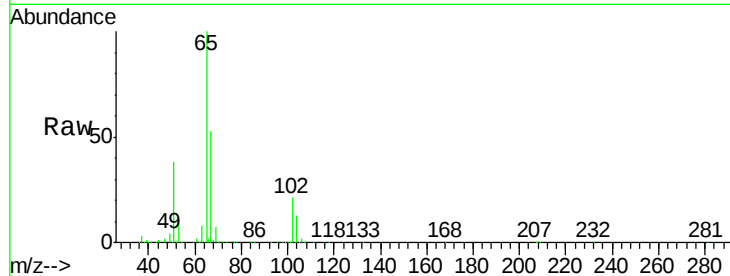
BU-02-062218

Tot Ion: 65 Resp: 716286

Ion Ratio Lower Upper

65 100

67 53.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049538.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049538.D (-1909) (-)

8.03

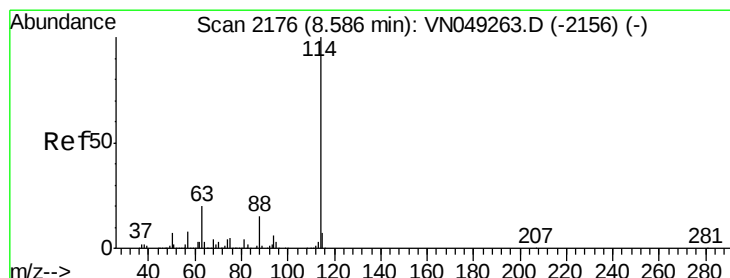
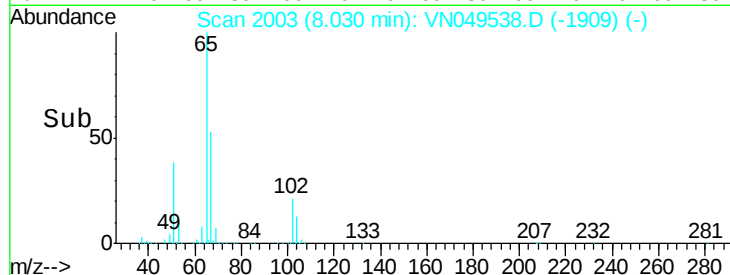
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

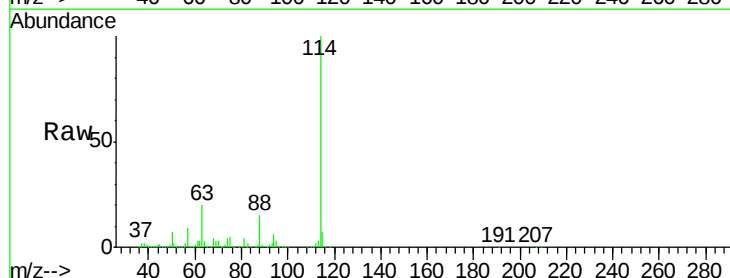
Tgt Ion: 114 Resp: 1681414

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.4

88 15.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049538.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049538.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049538.D (-2083) (-)

8.59

1000000

800000

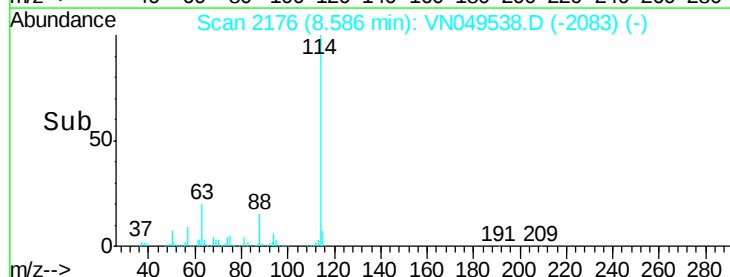
600000

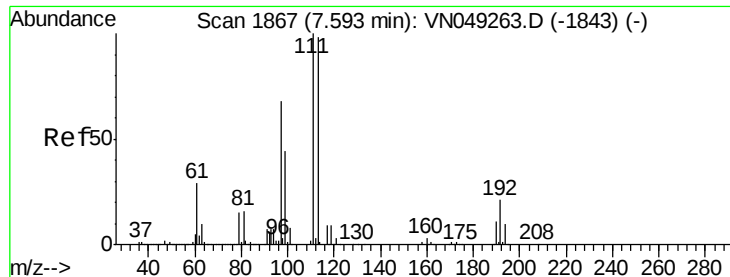
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.77 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

BU-02-062218

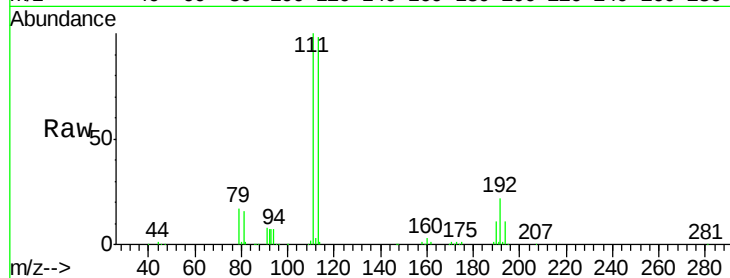
Tot Ion:113 Resp: 649864

Ion Ratio Lower Upper

113 100

111 101.2 82.4 123.6

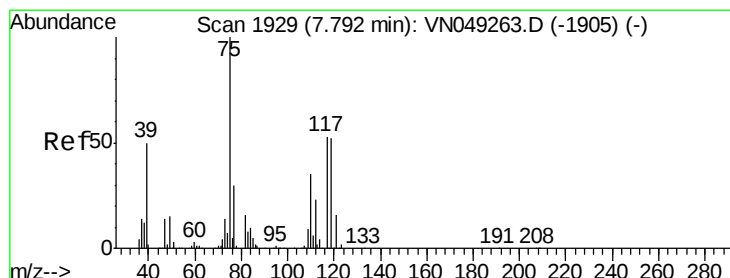
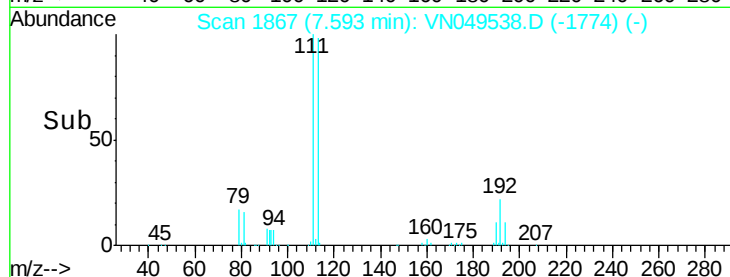
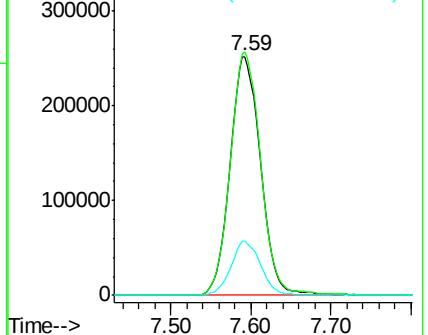
192 22.2 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.05 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

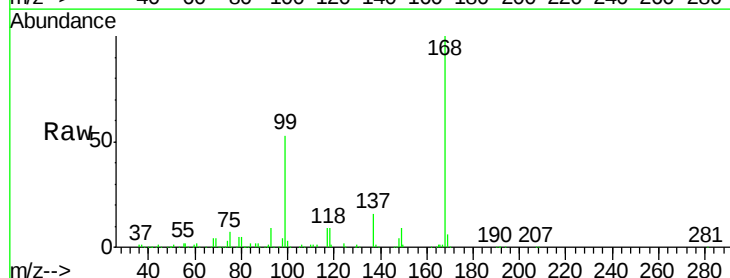
Tgt Ion: 75 Resp: 78042

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

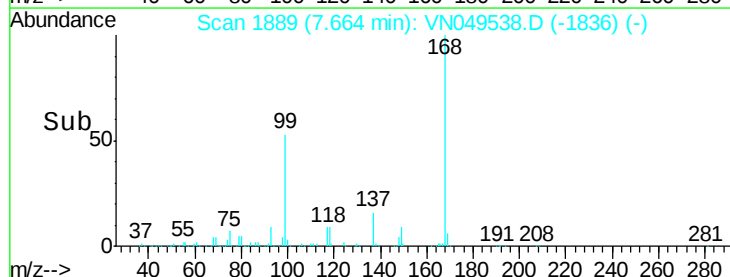
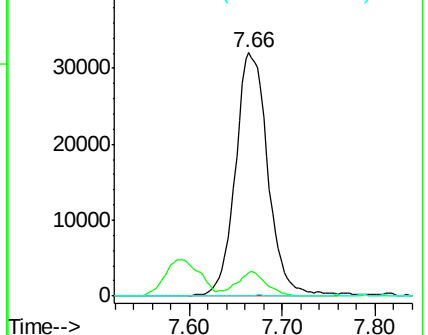
77 0.1 24.4 36.6#

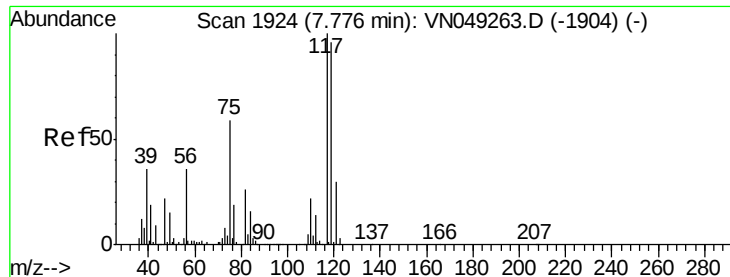


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.03 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampled :

BU-02-062218

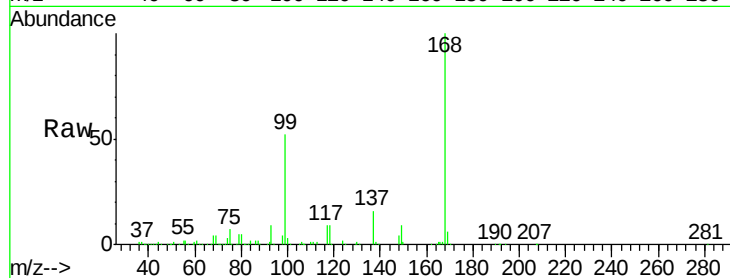
Tot Ion:117 Resp: 100439

Ion Ratio Lower Upper

117 100

119 5.5 75.6 113.4#

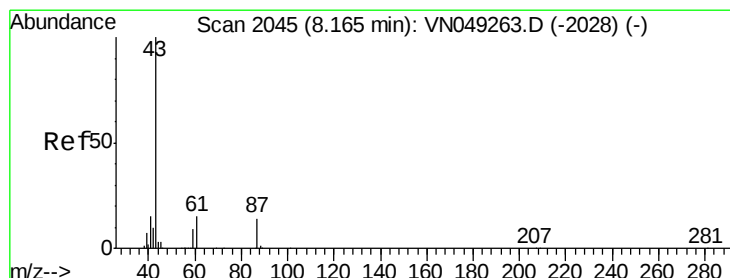
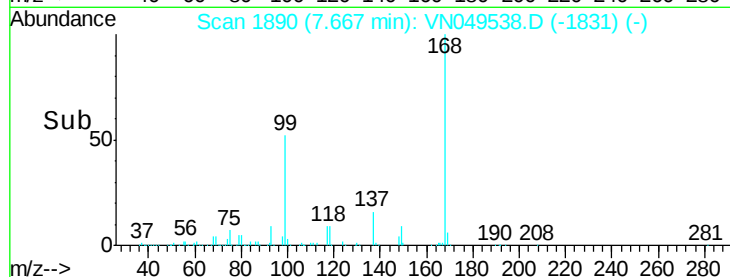
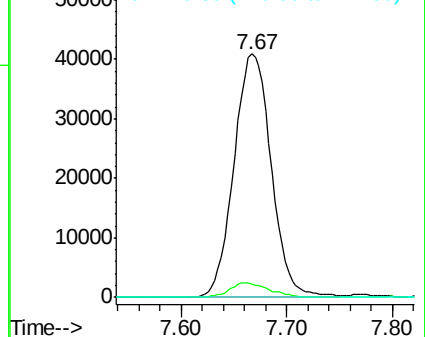
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.17 ug/l

RT: 8.26 min Scan# 2076

Delta R.T. 0.10 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

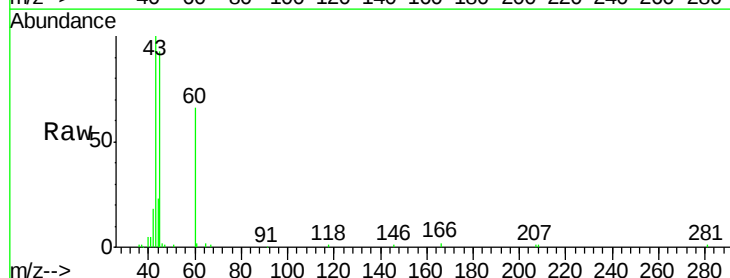
Tgt Ion: 43 Resp: 163511

Ion Ratio Lower Upper

43 100

61 0.3 14.2 21.4#

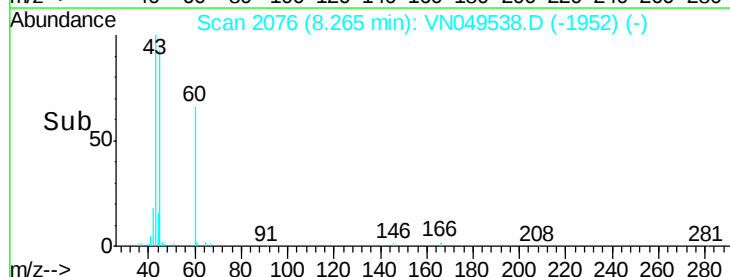
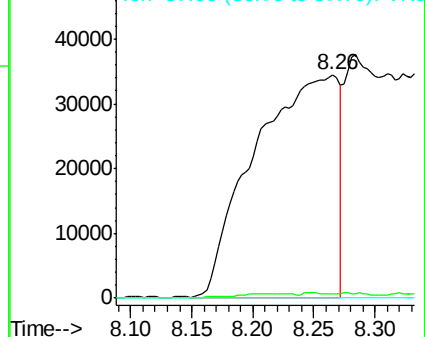
87 0.0 9.4 14.0#

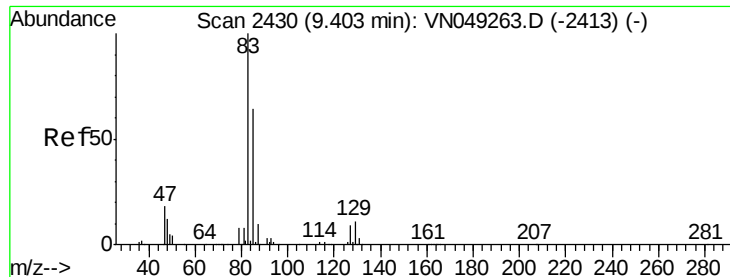


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#47

Bromodichloromethane

Concen: 0.31 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

BU-02-062218

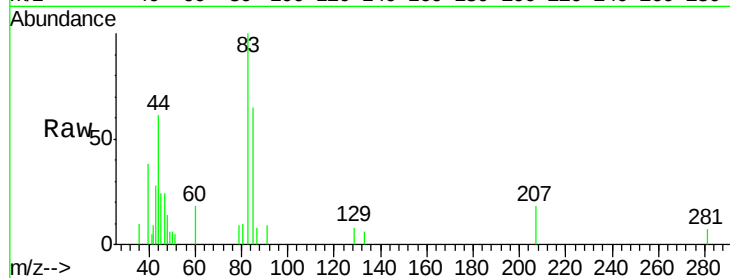
Tot Ion: 83 Resp: 6027

Ion Ratio Lower Upper

83 100

85 65.0 49.4 74.0

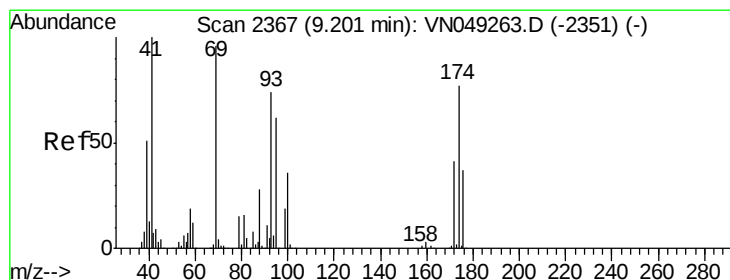
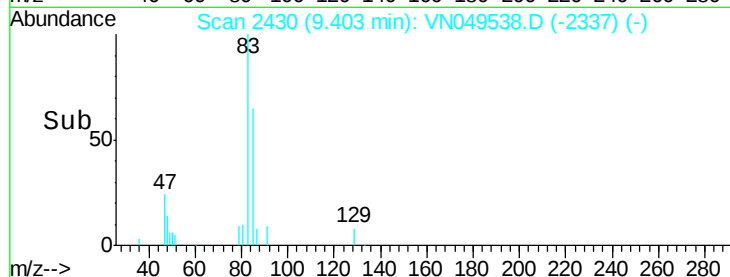
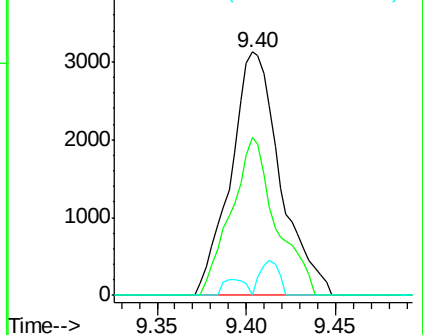
127 0.0 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN049538.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049538.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049538.D (-2337) (-)



#49

1,4-Dioxane

Concen: 0.23 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. -0.01 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

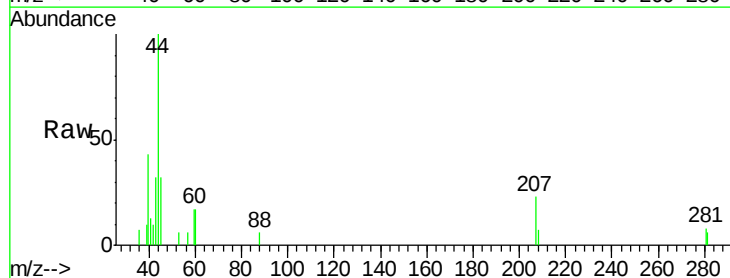
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 1616.7 30.9 46.3#

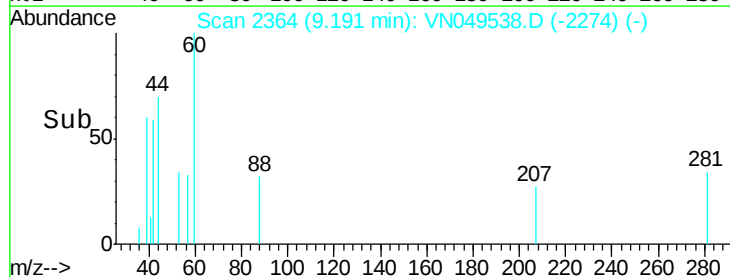
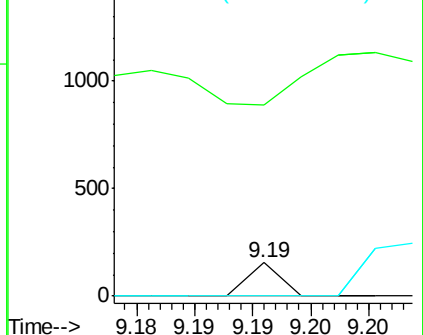
58 423.3 58.9 88.3#

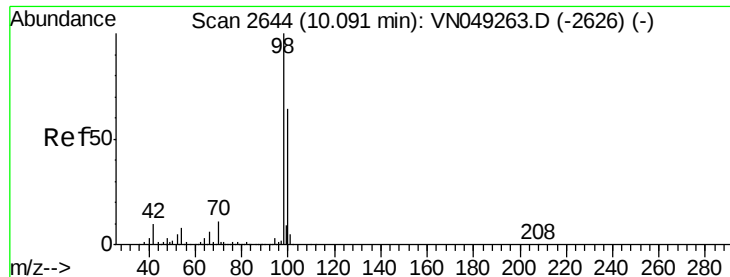


Abundance Ion 88.00 (87.70 to 88.70): VN049538.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN049538.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049538.D (-2274) (-)





#50

Toluene-d8

Concen: 44.24 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampled :

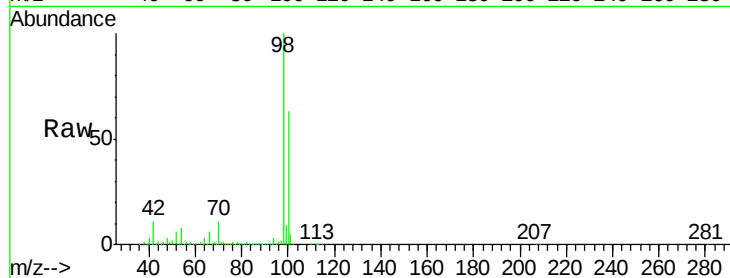
BU-02-062218

Tot Ion: 98 Resp: 2291525

Ion Ratio Lower Upper

98 100

100 63.4 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)

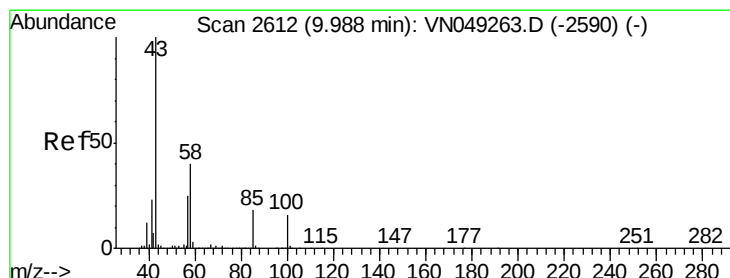
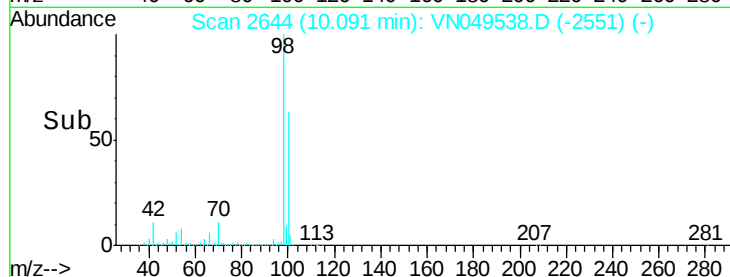
10.09

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.26 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049538.D

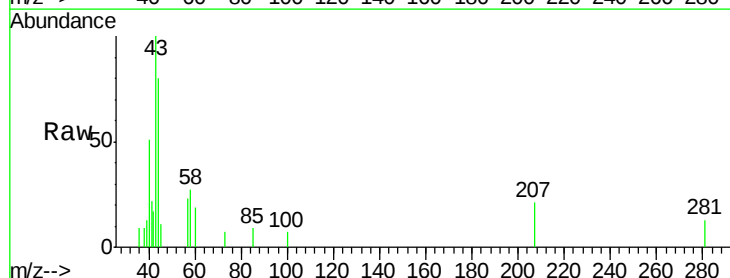
Acq: 26 Jun 2018 3:54

Tgt Ion: 43 Resp: 2747

Ion Ratio Lower Upper

43 100

58 47.5 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

9.99

2500

2000

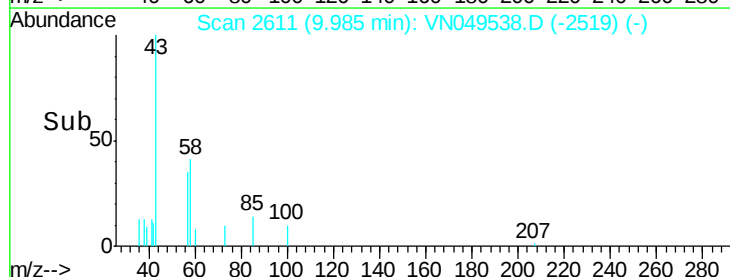
1500

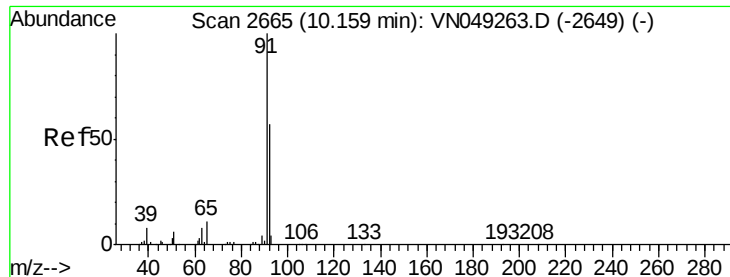
1000

500

0

Time-->





#52

Toluene

Concen: 0.22 ug/l

RT: 10.16 min Scan# 2666

Delta R.T. 0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

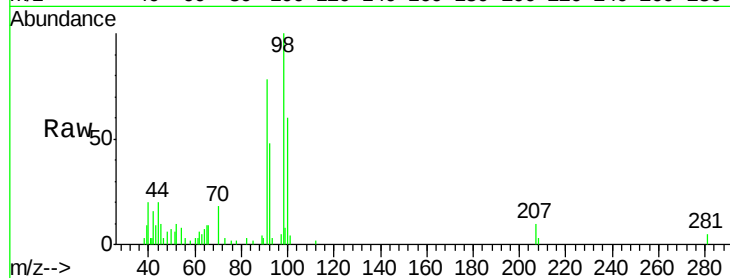
BU-02-062218

Tot Ion: 92 Resp: 7495

Ion Ratio Lower Upper

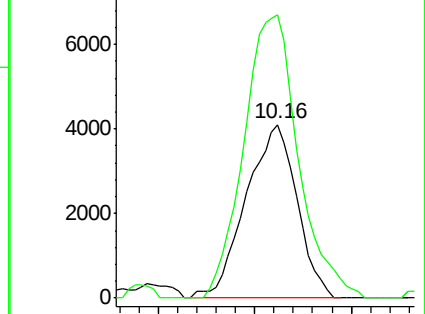
92 100

91 175.9 143.4 215.2

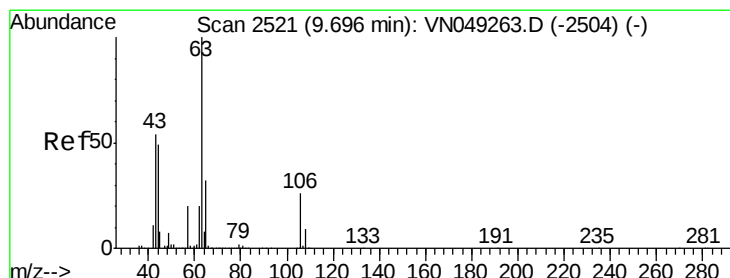
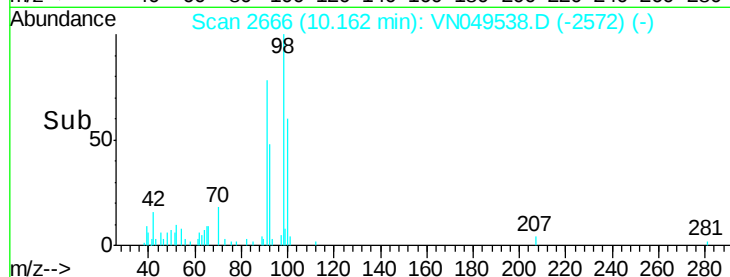


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 14.35 ug/l

RT: 9.69 min Scan# 2519

Delta R.T. -0.01 min

Lab File: VN049538.D

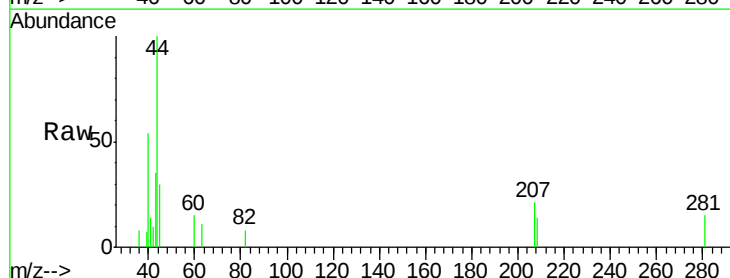
Acq: 26 Jun 2018 3:54

Tgt Ion: 63 Resp: 126

Ion Ratio Lower Upper

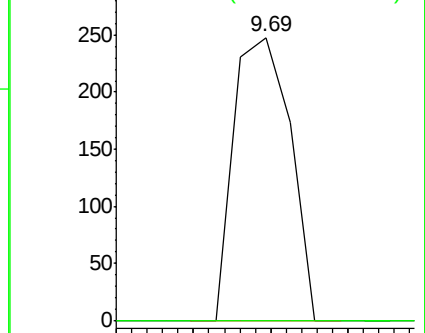
63 100

106 0.0 19.4 29.2#

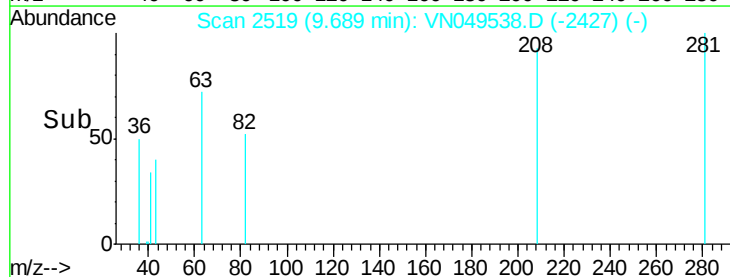


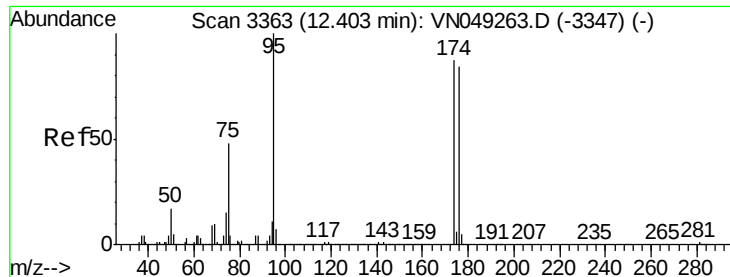
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->





#62

4-Bromofluorobenzene

Concen: 30.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

BU-02-062218

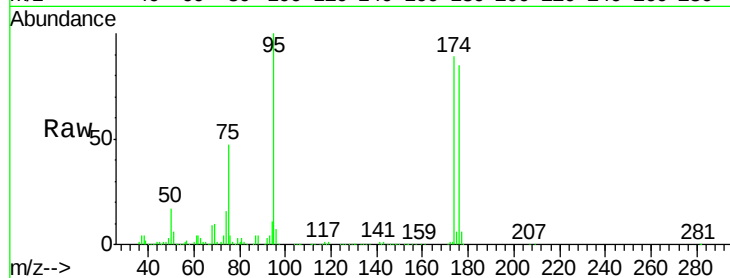
Tot Ion: 95 Resp: 530434

Ion Ratio Lower Upper

95 100

174 90.3 0.0 165.6

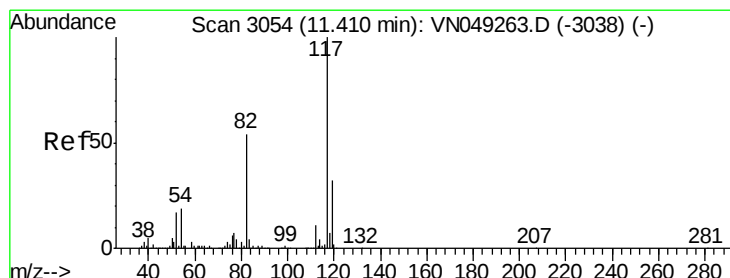
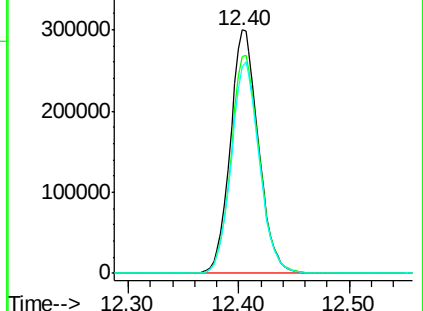
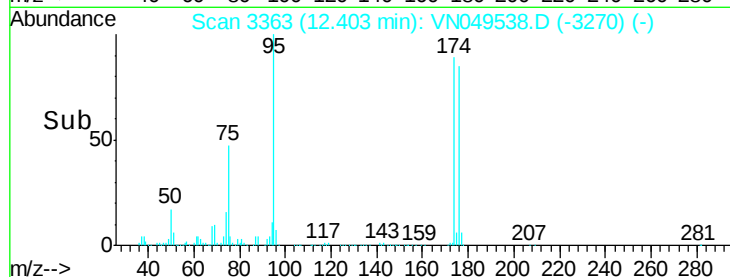
176 86.5 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049538.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049538.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049538.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

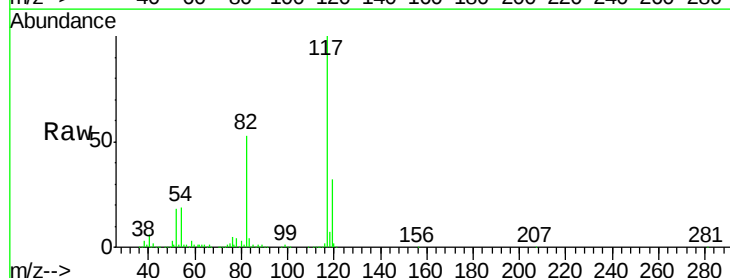
Tgt Ion: 117 Resp: 1352265

Ion Ratio Lower Upper

117 100

82 53.2 45.9 68.9

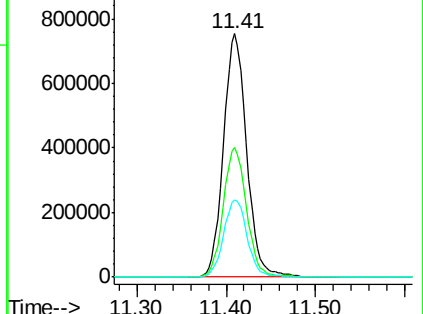
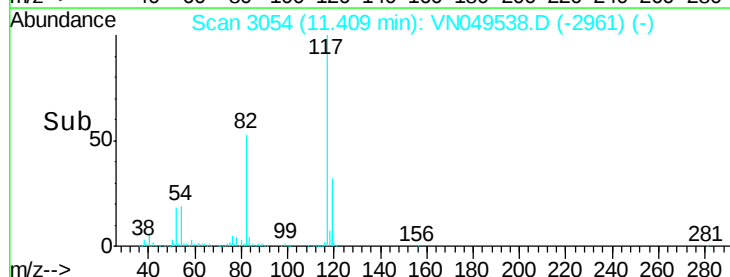
119 31.9 25.5 38.3

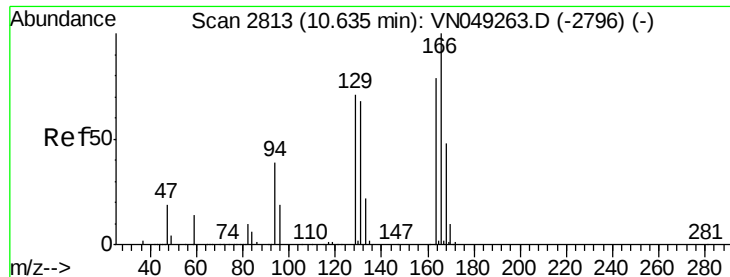


Abundance Ion 116.90 (116.60 to 117.60): VN049538.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049538.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049538.D (-2961) (-)





#64

Tetrachloroethene

Concen: 0.22 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

BU-02-062218

Tot Ion:164 Resp: 3070

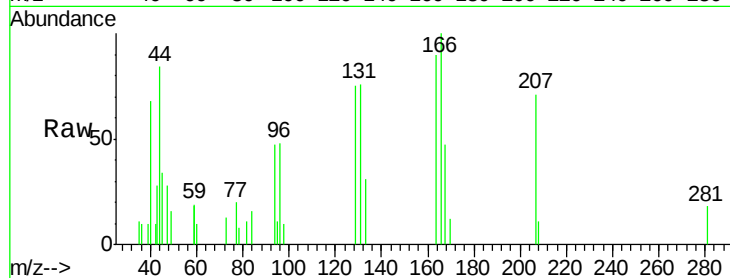
Ion Ratio Lower Upper

164 100

166 110.9 101.4 152.2

129 83.6 74.1 111.1

131 84.4 73.7 110.5

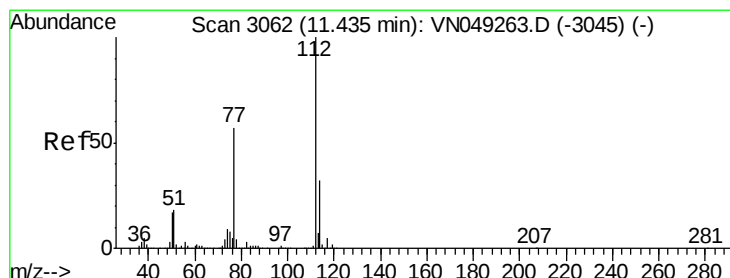
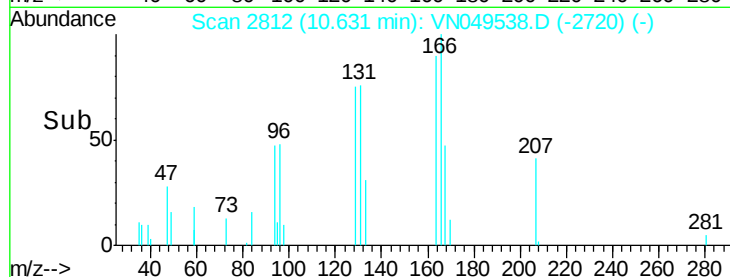
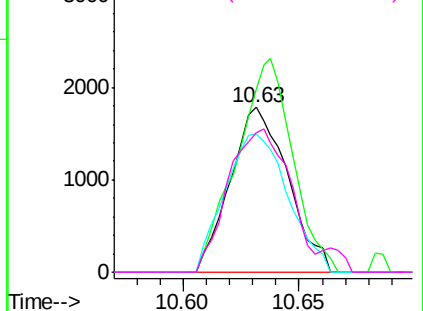


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.23 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN049538.D

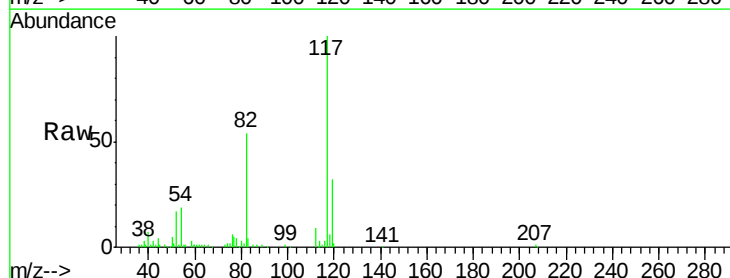
Acq: 26 Jun 2018 3:54

Tgt Ion:112 Resp: 8159

Ion Ratio Lower Upper

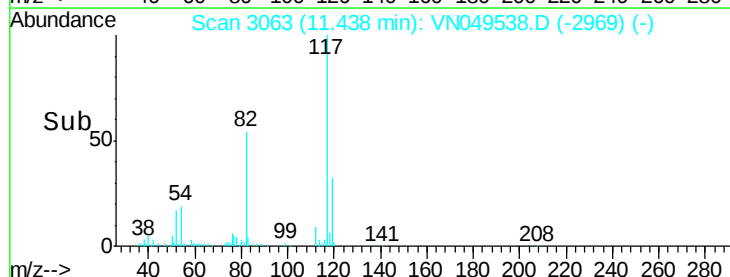
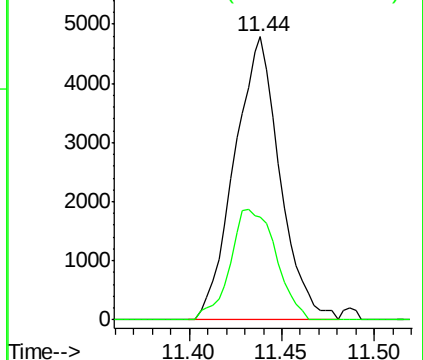
112 100

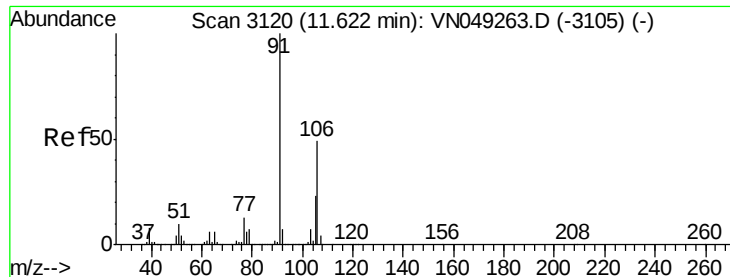
114 36.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#68

m/p-Xylenes

Concen: 0.45 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

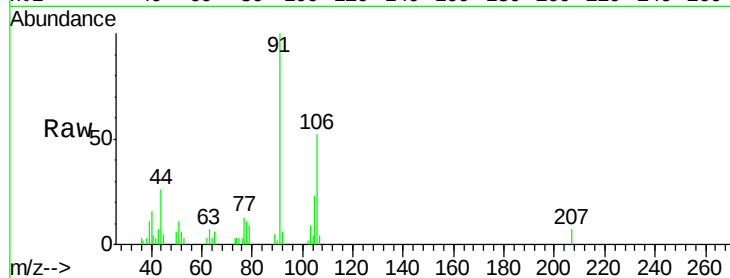
BU-02-062218

Tot Ion:106 Resp: 9746

Ion Ratio Lower Upper

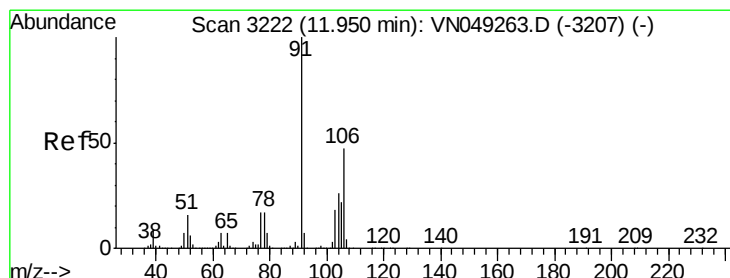
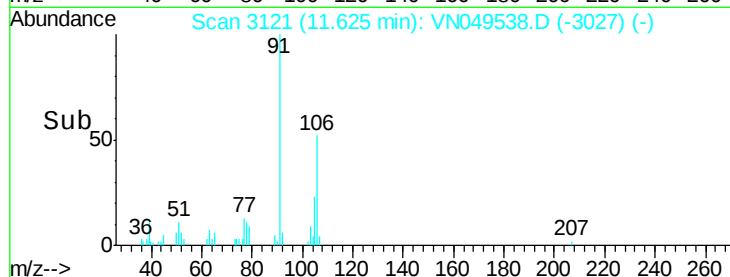
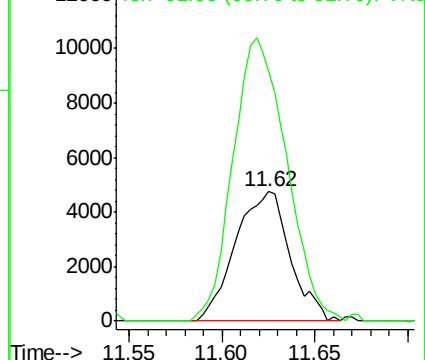
106 100

91 214.8 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.21 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN049538.D

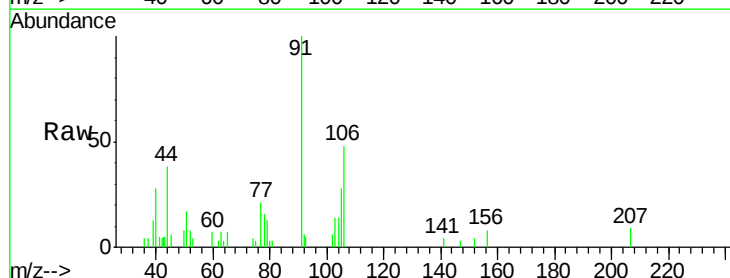
Acq: 26 Jun 2018 3:54

Tgt Ion:106 Resp: 4297

Ion Ratio Lower Upper

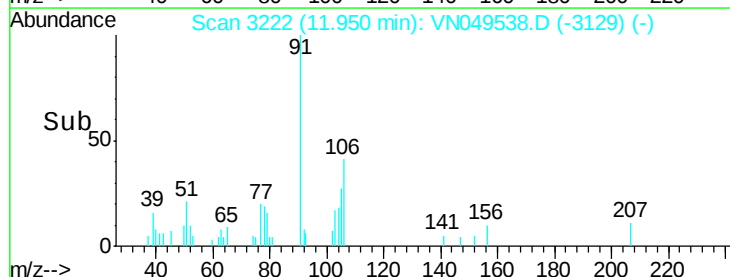
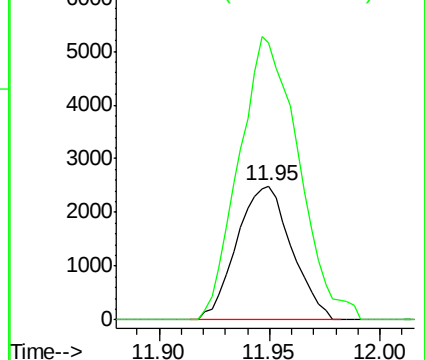
106 100

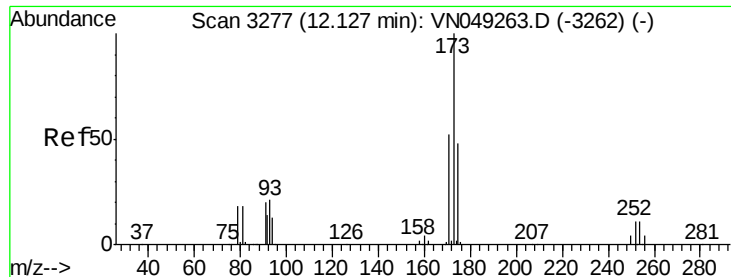
91 230.4 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#71

Bromoform

Concen: 0.39 ug/l

RT: 12.41 min Scan# 3365

Delta R.T. 0.28 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampled :

BU-02-062218

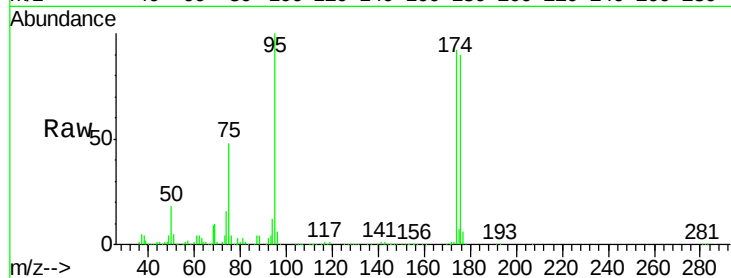
Tot Ion:173 Resp: 3282

Ion Ratio Lower Upper

173 100

175 786.6 24.5 73.5#

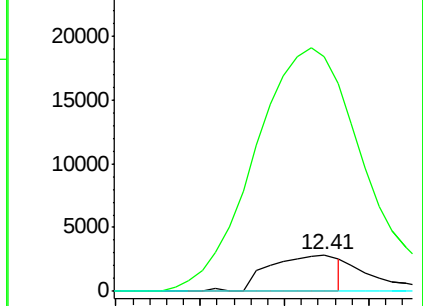
254 0.0 0.1 0.1#



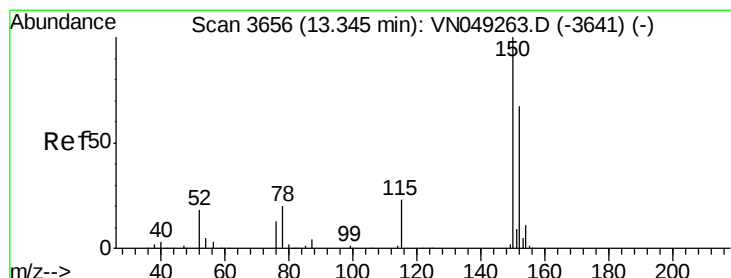
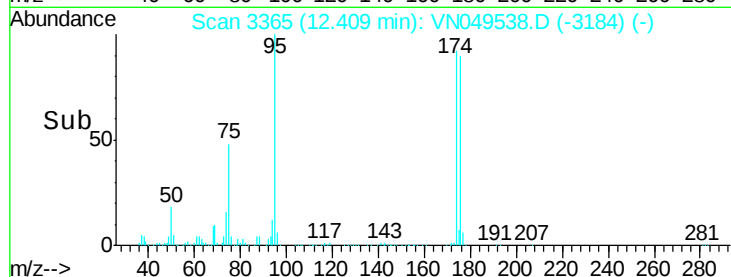
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time--> 12.36 12.38 12.40 12.42



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

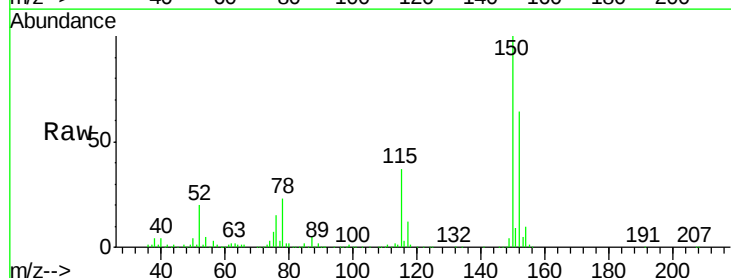
Tgt Ion:152 Resp: 333900

Ion Ratio Lower Upper

152 100

115 56.4 28.7 86.1

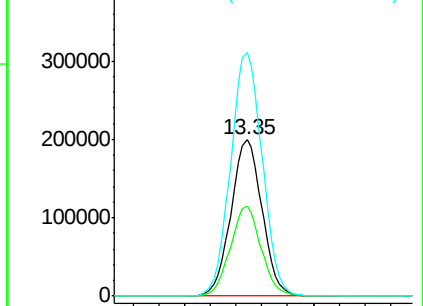
150 158.6 0.0 351.0



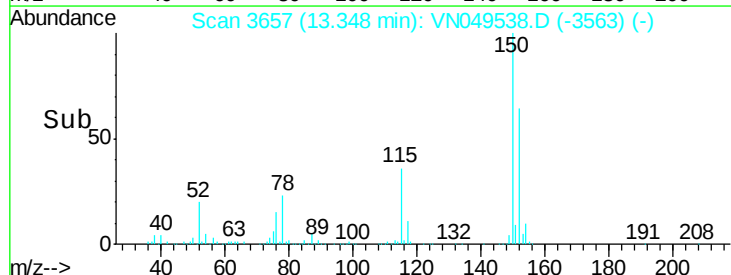
Abundance Ion 151.90 (151.60 to 152.60): V

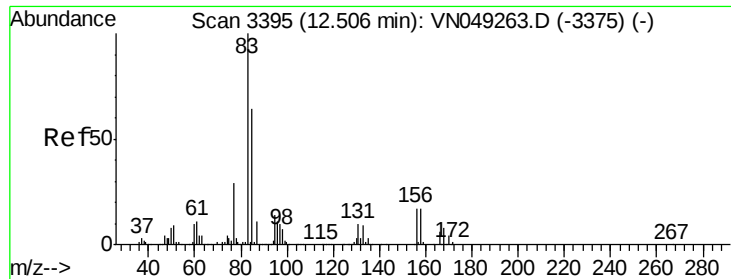
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

BU-02-062218

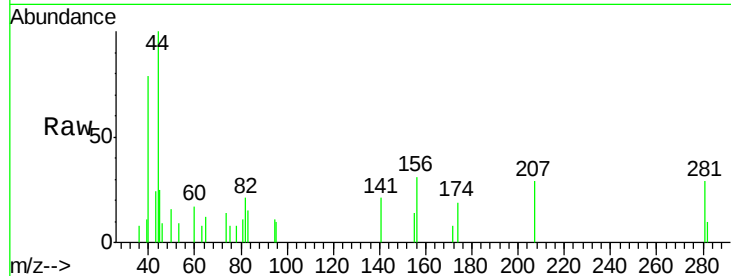
Tot Ion: 83 Resp: 180

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC

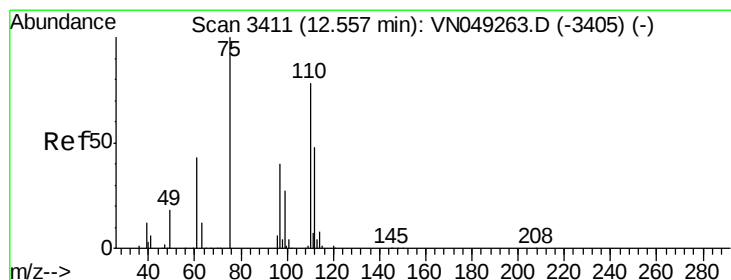
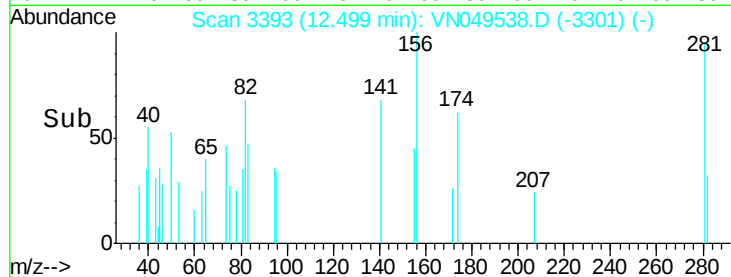
12.50

200

100

0

Time--> 12.48 12.50



#76

1,2,3-Trichloropropane

Concen: 44.90 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049538.D

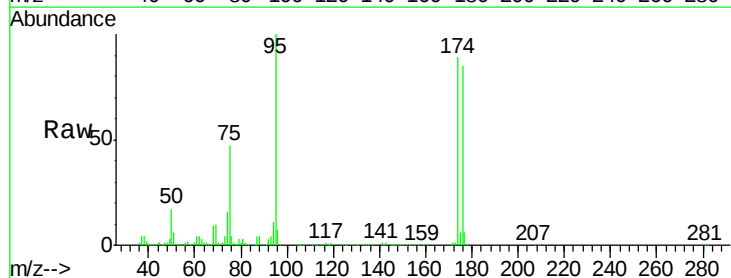
Acq: 26 Jun 2018 3:54

Tgt Ion: 75 Resp: 255789

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

12.40

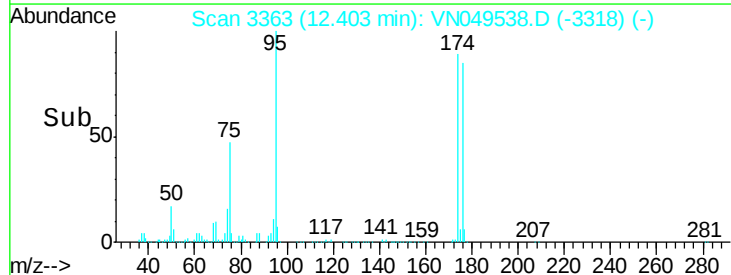
150000

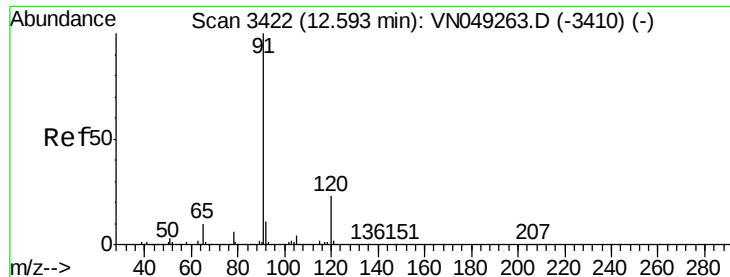
100000

50000

0

Time--> 12.40 12.50





#78

n-propylbenzene

Concen: 0.22 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

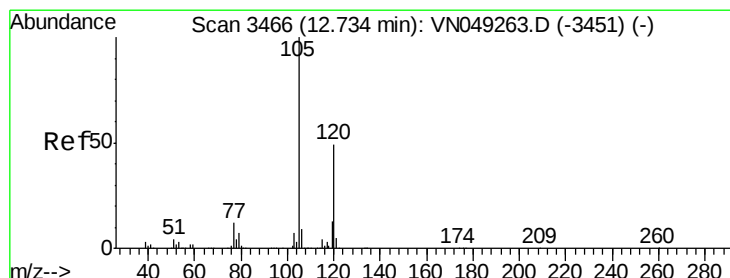
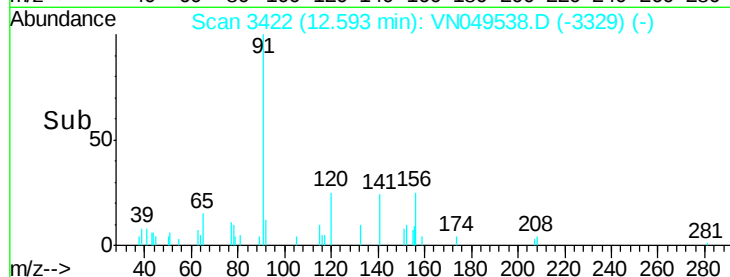
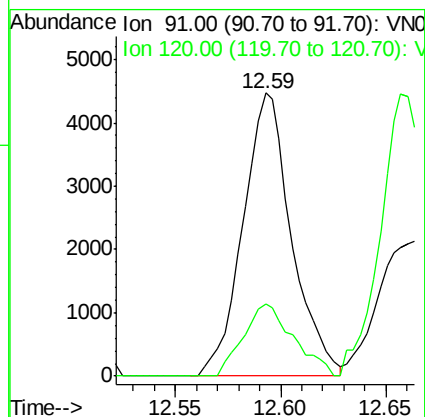
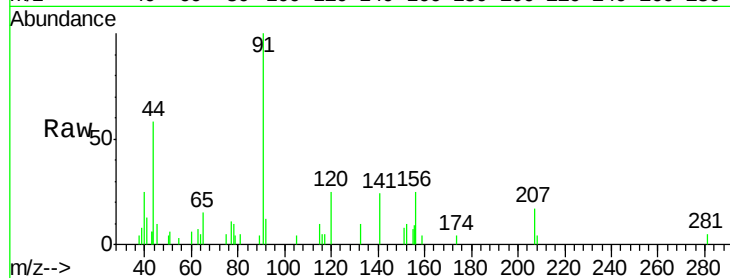
BU-02-062218

Tot Ion: 91 Resp: 7167

Ion Ratio Lower Upper

91 100

120 26.2 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 0.72 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049538.D

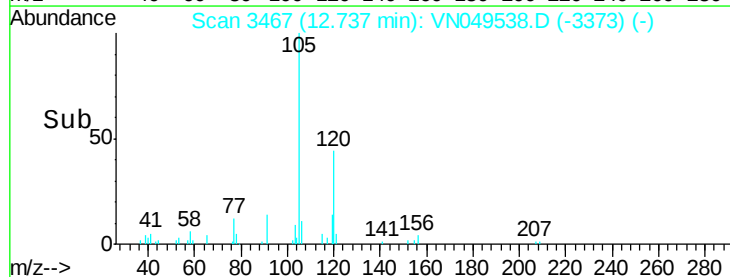
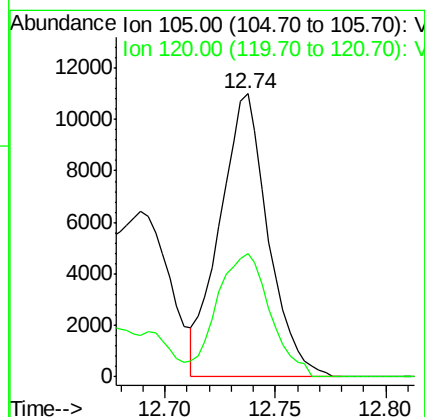
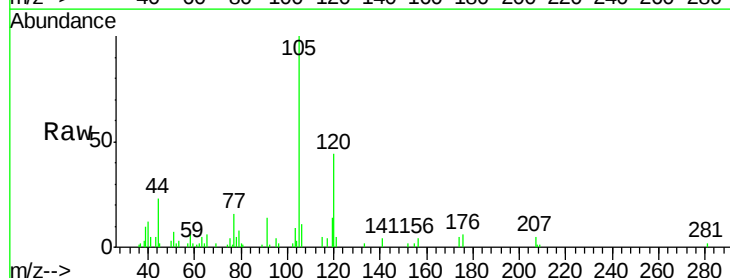
Acq: 26 Jun 2018 3:54

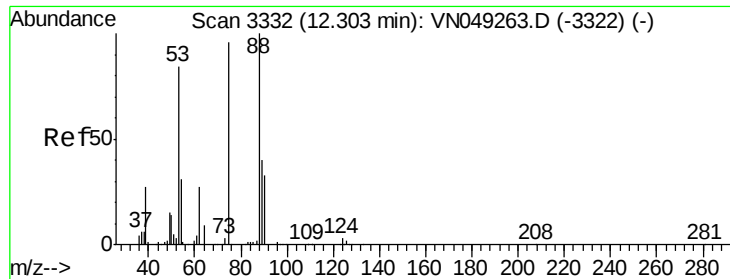
Tgt Ion: 105 Resp: 16701

Ion Ratio Lower Upper

105 100

120 48.3 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 141.90 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

BU-02-062218

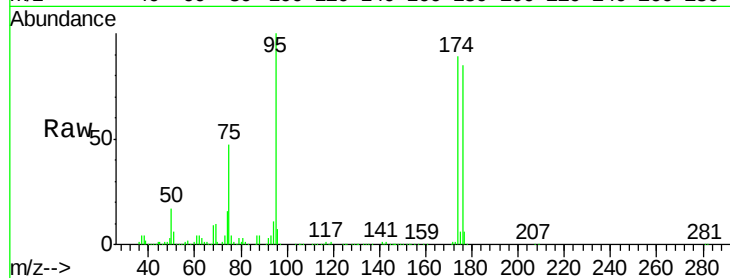
Tot Ion: 75 Resp: 255789

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

89 0.0 36.5 54.7#

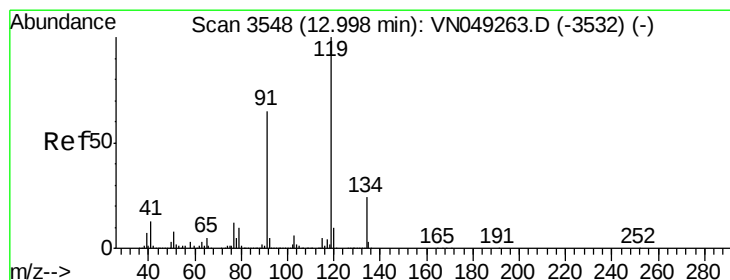
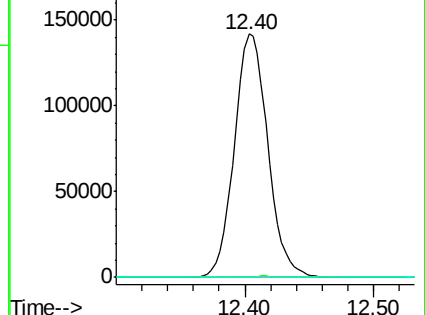
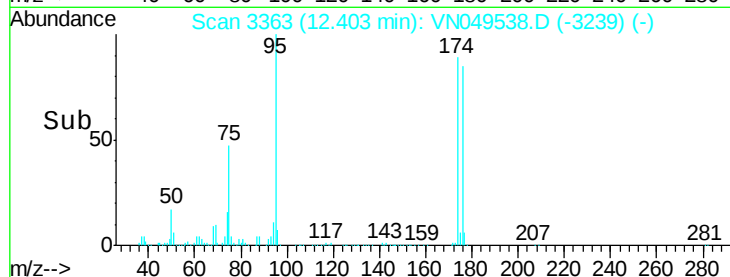


Abundance Ion 74.90 (74.60 to 75.60): VN049538.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049538.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049538.D (-3363) (-)

Time-->



#83

tert-Butylbenzene

Concen: 0.41 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.04 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

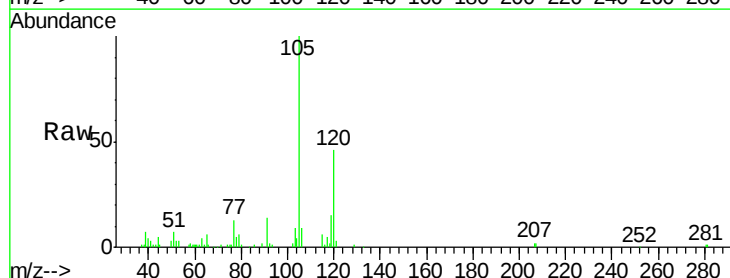
Tgt Ion: 119 Resp: 8448

Ion Ratio Lower Upper

119 100

91 96.6 33.7 101.0

134 0.4 12.9 38.6#

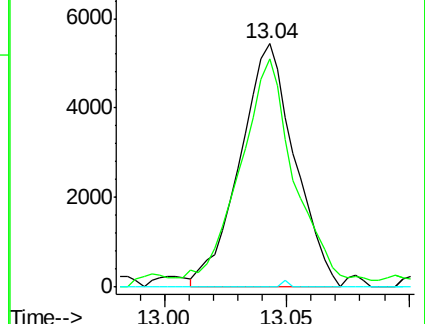
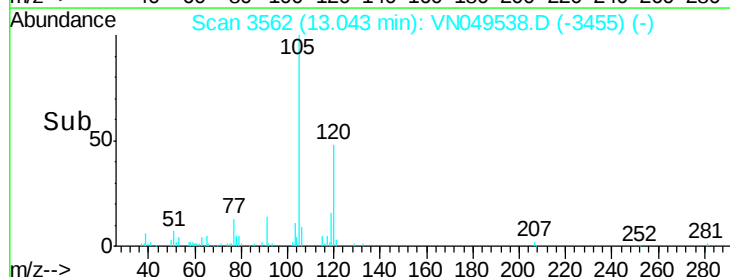


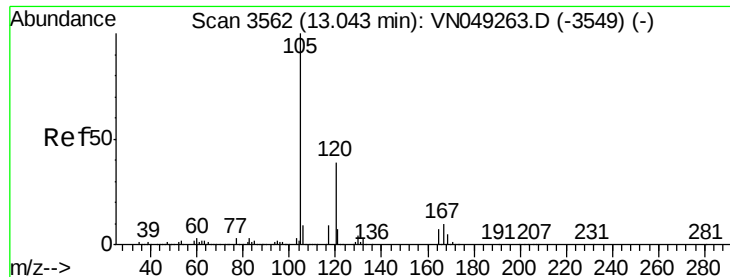
Abundance Ion 119.00 (118.70 to 119.70): VN049538.D (-3562) (-)

Ion 91.00 (90.70 to 91.70): VN049538.D (-3562) (-)

Ion 134.00 (133.70 to 134.70): VN049538.D (-3562) (-)

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 2.63 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN049538.D

Acq: 26 Jun 2018 3:54

Instrument :

MSVOA_N

ClientSampleId :

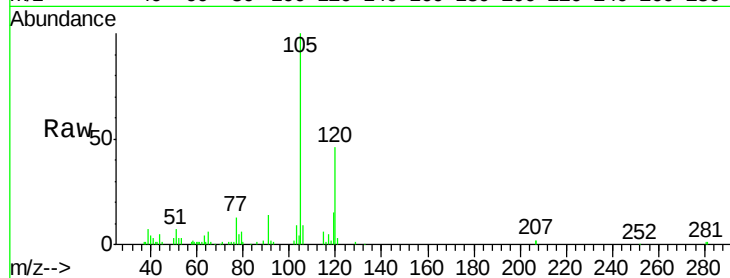
BU-02-062218

Tot Ion:105 Resp: 60159

Ion Ratio Lower Upper

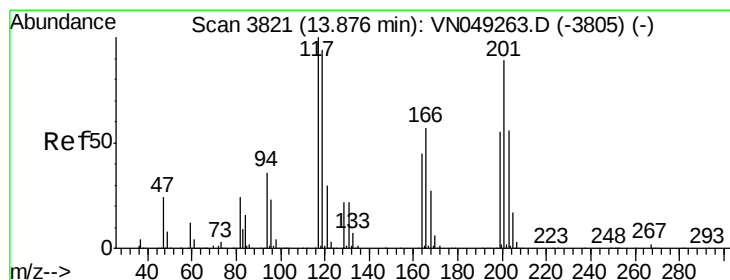
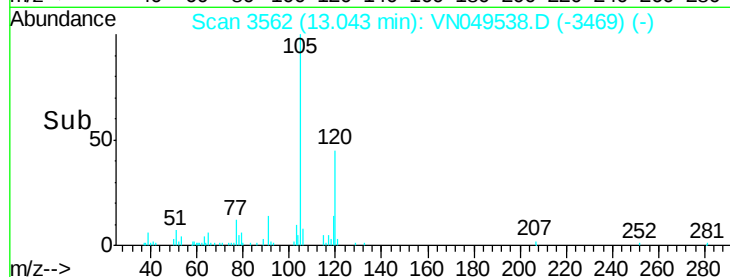
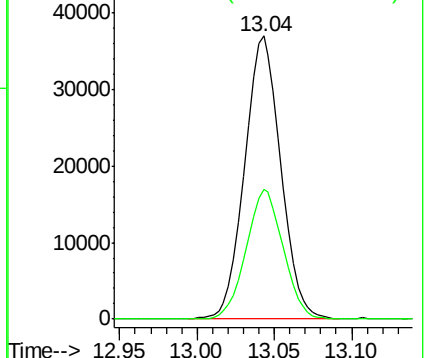
105 100

120 46.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN049538.D

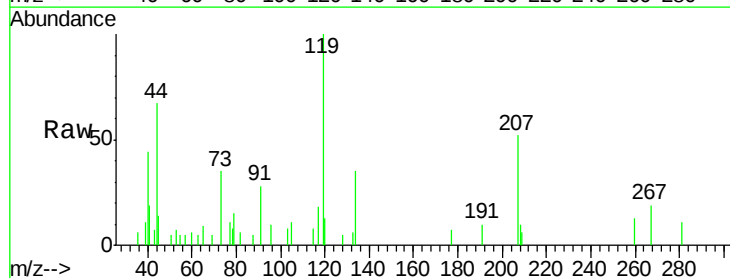
Acq: 26 Jun 2018 3:54

Tgt Ion:117 Resp: 908

Ion Ratio Lower Upper

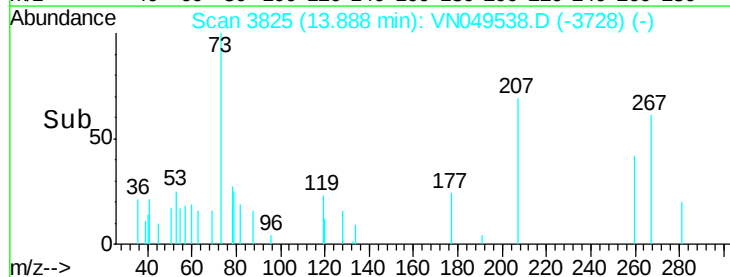
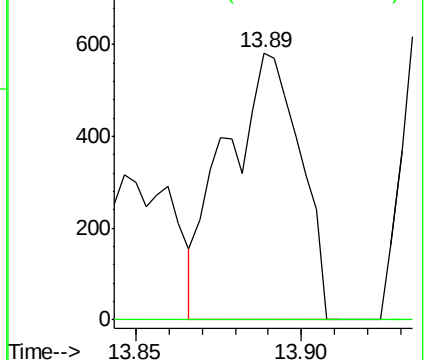
117 100

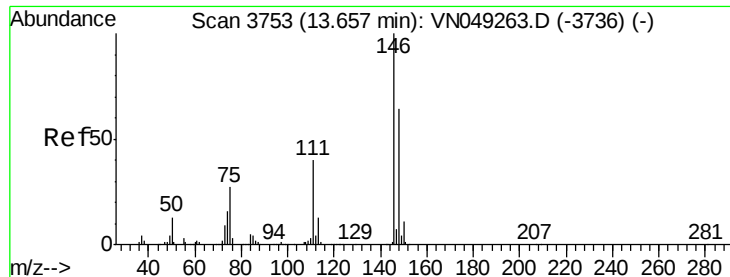
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

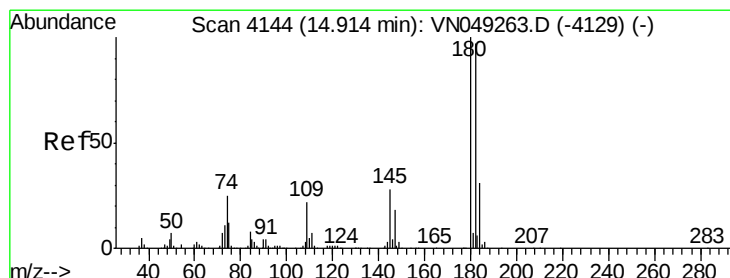
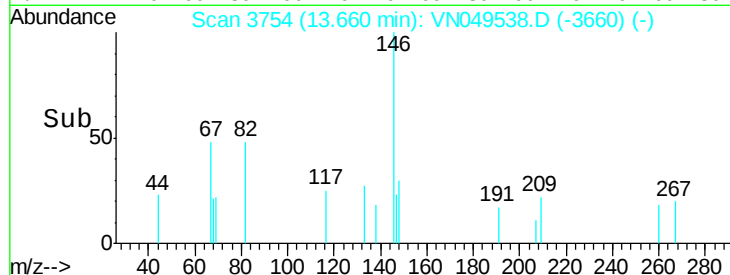
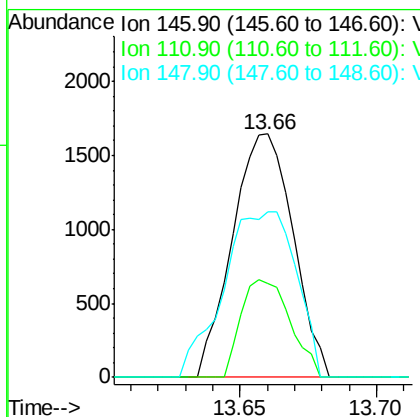
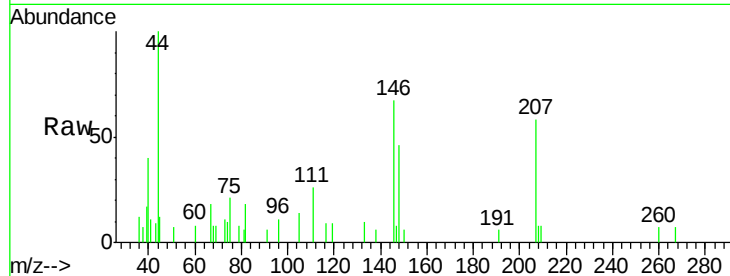




#91
 1,2-Dichlorobenzene
 Concen: 0.20 ug/l
 RT: 13.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VN049538.D
 Acq: 26 Jun 2018 3:54

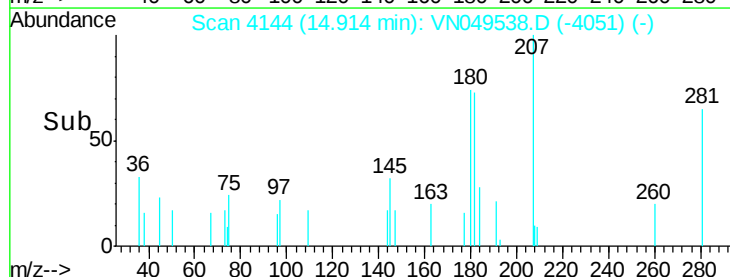
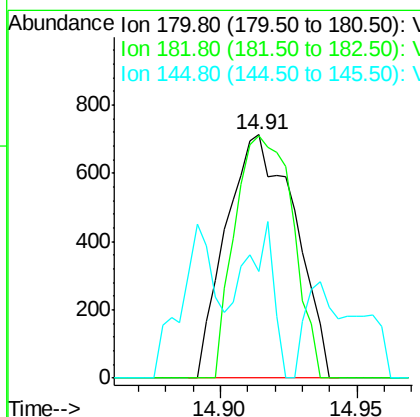
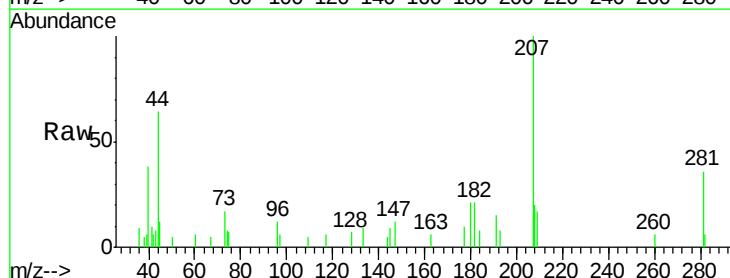
Instrument :
 MSVOA_N
 ClientSampleId :
 BU-02-062218

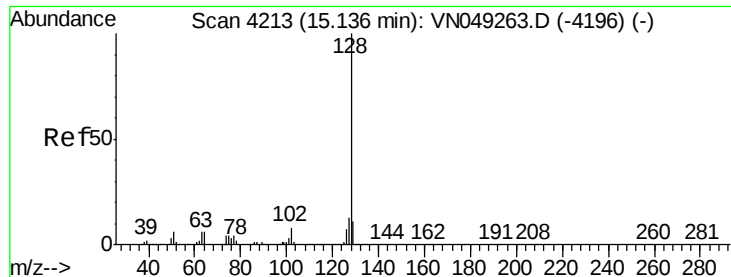
Tot Ion:146 Resp: 2534
 Ion Ratio Lower Upper
 146 100
 111 32.5 20.8 62.2
 148 81.8 32.0 96.2



#93
 1,2,4-Trichlorobenzene
 Concen: 4.94 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049538.D
 Acq: 26 Jun 2018 3:54

Tgt Ion:180 Resp: 1248
 Ion Ratio Lower Upper
 180 100
 182 83.8 46.9 140.8
 145 28.8 14.7 44.1

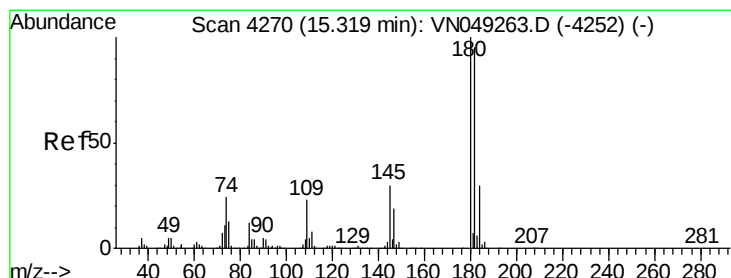
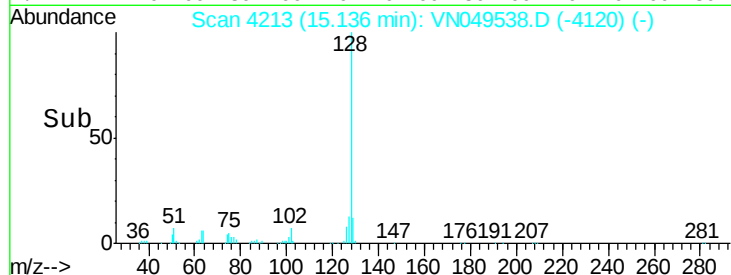
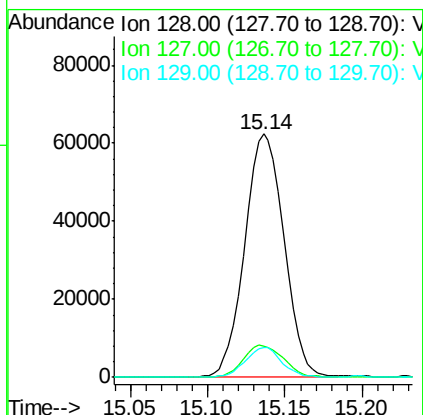
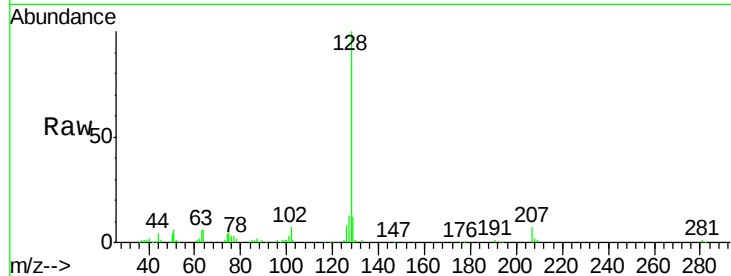




#95
Naphthalene
Concen: 13.64 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049538.D
Acq: 26 Jun 2018 3:54

Instrument :
MSVOA_N
ClientSampled :
BU-02-062218

Tot Ion:128 Resp: 110632
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 11.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 3.57 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049538.D
Acq: 26 Jun 2018 3:54

Tgt Ion:180 Resp: 661
Ion Ratio Lower Upper
180 100
182 118.0 47.3 141.8
145 73.2 15.6 46.7#

