

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\
 Data File : VN049479.D
 Acq On : 21 Jun 2018 20:02
 Operator : MD\SY
 Sample : J3570-01
 Misc : 5.15µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 03:42:01 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	1136183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1734554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1502975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	608933	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	730839	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
35) Dibromofluoromethane	7.59	113	642813	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
50) Toluene-d8	10.09	98	2405541	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
62) 4-Bromofluorobenzene	12.40	95	744164	42.12	ug/l	0.00
Spiked Amount			Recovery	=	84.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4069	0.24	ug/l	98
10) Methyl Iodide	3.94	142	5690	0.38	ug/l #	40
11) Tert butyl alcohol	4.74	59	8931	10.10	ug/l #	70
13) Acrolein	3.60	56	854	0.92	ug/l #	74
15) Acrylonitrile	5.00	53	2280	0.52	ug/l #	46
16) Acetone	3.83	43	7427	2.03	ug/l	94
17) Carbon Disulfide	4.03	76	41213	1.01	ug/l	99
18) Methyl Acetate	4.33	43	61128	5.48	ug/l	92
20) Methylene Chloride	4.55	84	6330	0.41	ug/l #	76
25) 2-Butanone	6.86	43	4524	0.92	ug/l	94
29) Tetrahydrofuran	7.22	42	5012	1.58	ug/l #	62
31) Cyclohexane	7.66	56	21068	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	79447	4.00	ug/l #	50
38) Carbon Tetrachloride	7.66	117	104834	5.09	ug/l #	16
43) Isopropyl Acetate	8.18	43	29539	1.43	ug/l #	67
49) 1,4-Dioxane	9.20	88	363	2.70	ug/l #	3
51) 4-Methyl-2-Pentanone	9.99	43	5211	0.48	ug/l #	82
58) 2-Chloroethyl Vinyl ether	9.70	63	139	14.35	ug/l #	51
59) 2-Hexanone	10.76	43	7017	1.01	ug/l	96
68) m/p-Xylenes	11.62	106	6879	0.29	ug/l	98
74) N-amyl acetate	12.04	43	9516	0.73	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.48	83	2201	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	364022	35.04	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	364022	110.73	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.05	105	10912	0.26	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	7723	0.33	ug/l #	26
88) 1,4-Dichlorobenzene	13.36	146	12008	0.52	ug/l #	1
89) n-Butylbenzene	13.62	91	14089	0.44	ug/l	96
90) Hexachloroethane	13.88	117	1346	Below Cal	#	48
91) 1,2-Dichlorobenzene	13.66	146	7578	0.33	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1393	0.75	ug/l	65
93) 1,2,4-Trichlorobenzene	14.91	180	11409	5.73	ug/l #	80
94) Hexachlorobutadiene	15.01	225	5371	Below Cal		90
95) Naphthalene	15.14	128	35348	4.16	ug/l #	90

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

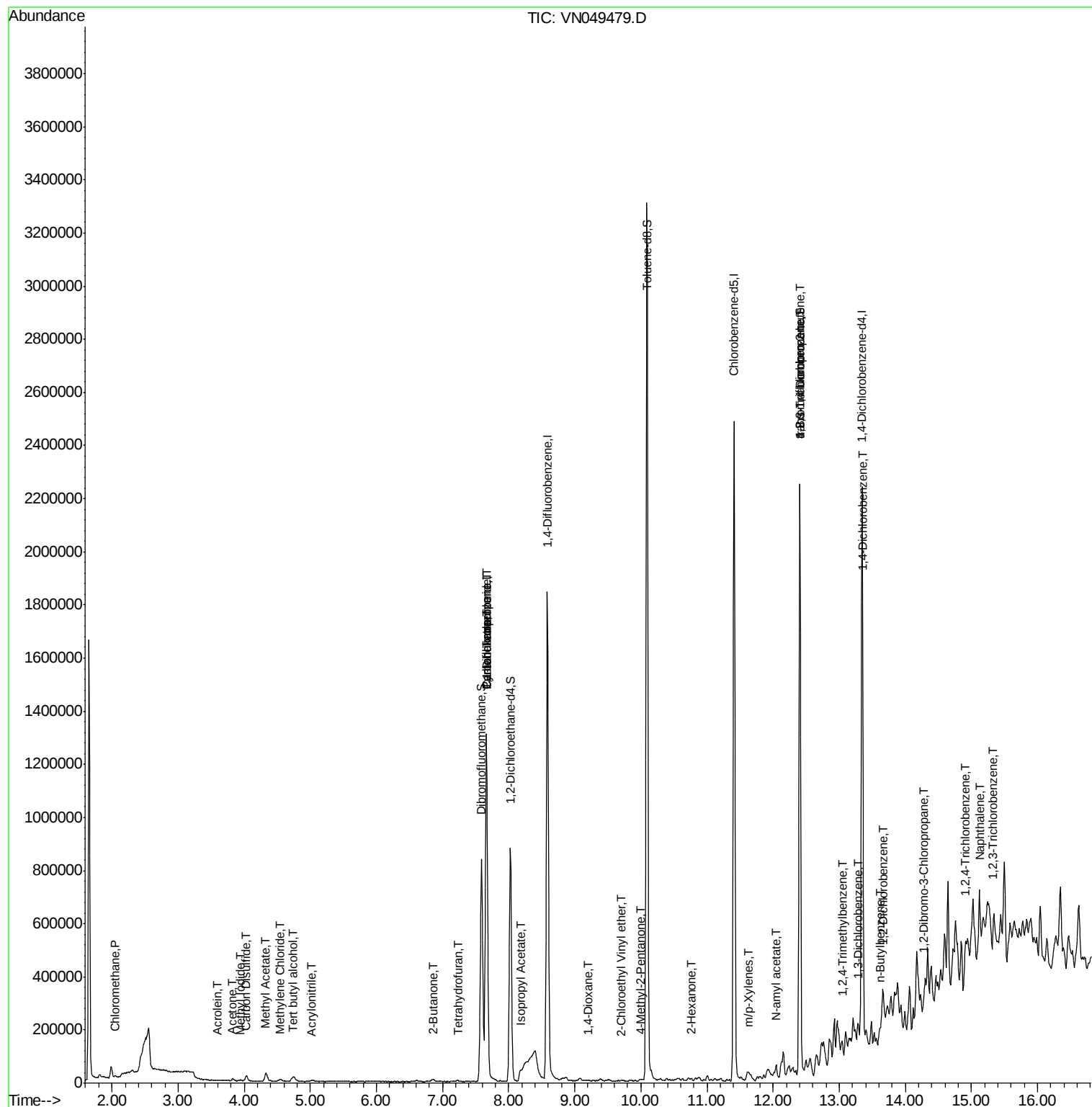
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	14123	4.75	ug/l #	75

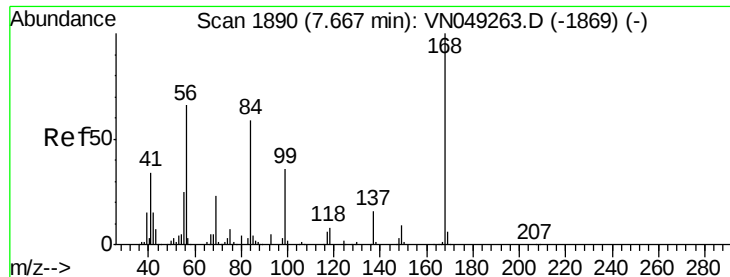
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062118\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

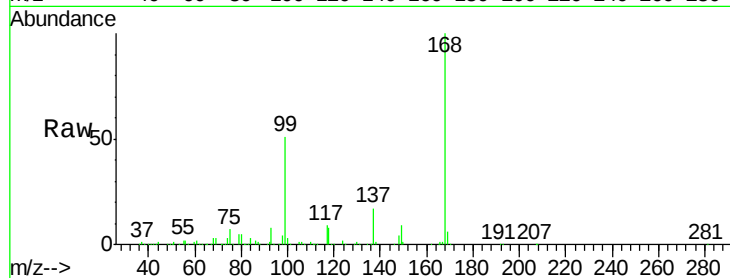
ClientSampleId :

Tot Ion:168 Resp: 1136183

Ion Ratio Lower Upper

168 100

99 51.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

200000

100000

0

Time-->

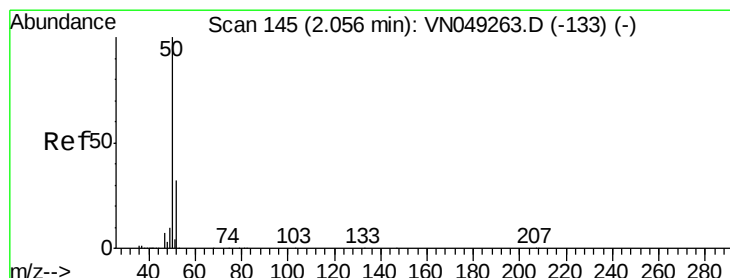
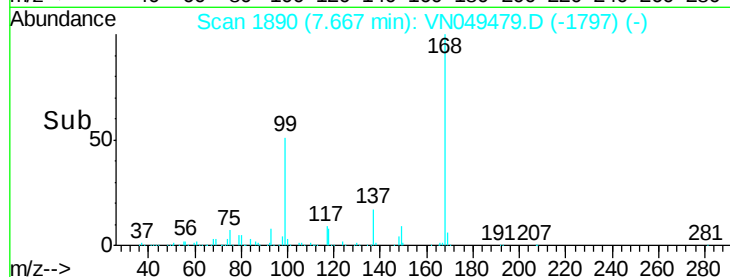
7.50

7.60

7.70

7.80

7.90



#3

Chloromethane

Concen: 0.24 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049479.D

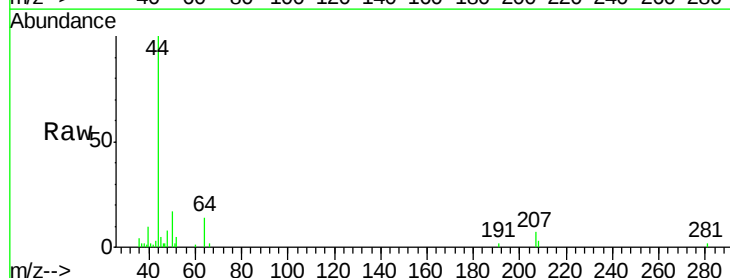
Acq: 21 Jun 2018 20:02

Tgt Ion: 50 Resp: 4069

Ion Ratio Lower Upper

50 100

52 30.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

2500

2000

1500

1000

500

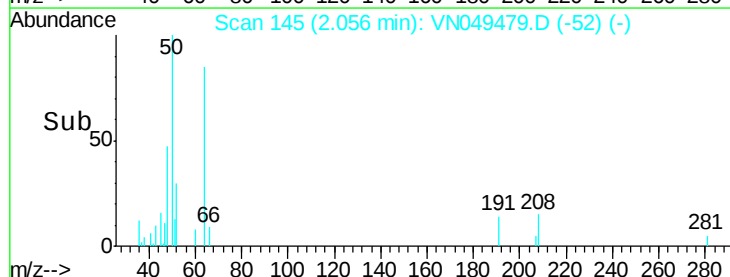
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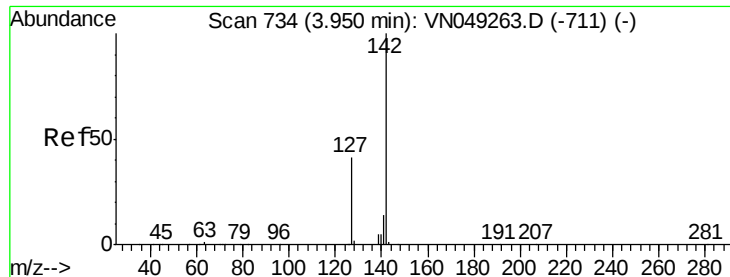
Time-->

2.00

2.05

2.10

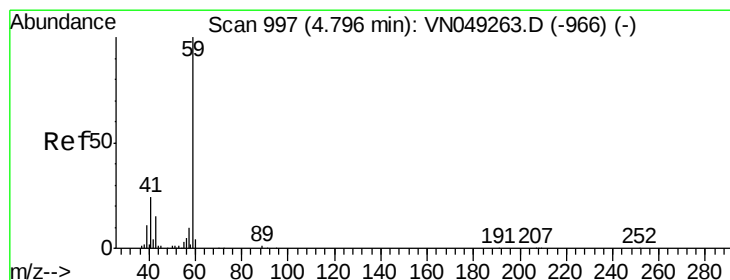
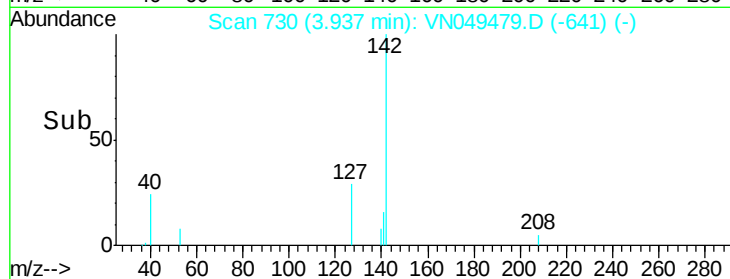
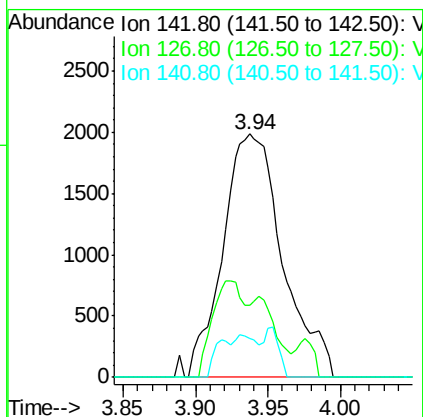
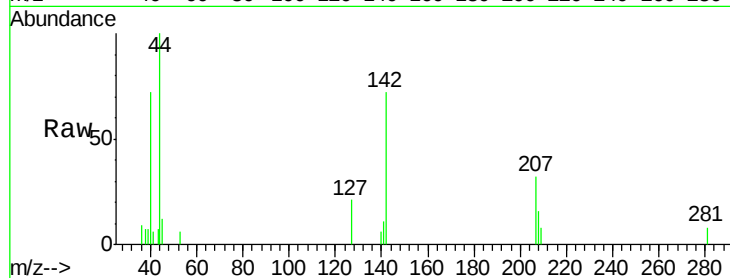




#10
Methvl Iodide
Concen: 0.38 ug/l
RT: 3.94 min Scan# 730
Delta R.T. -0.01 min
Lab File: VN049479.D
Acq: 21 Jun 2018 20:02

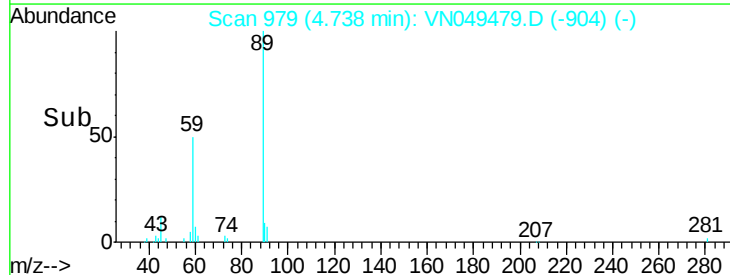
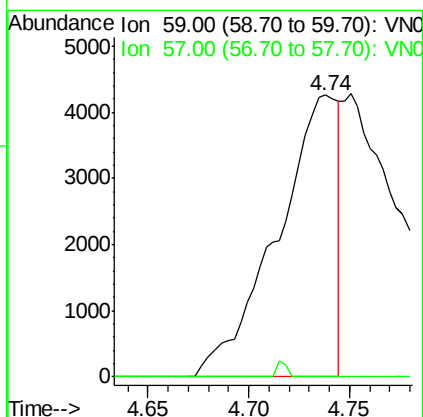
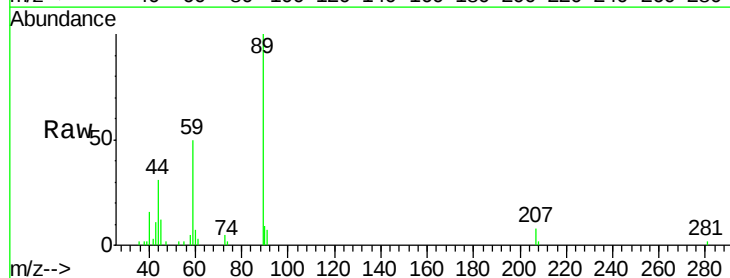
Instrument :
MSVOA_N
ClientSampled :

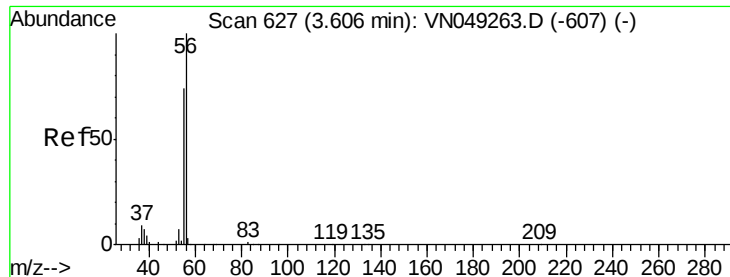
Tot Ion:142 Resp: 5690
Ion Ratio Lower Upper
142 100
127 0.0 38.2 57.4#
141 5.2 11.9 17.9#



#11
Tert butyl alcohol
Concen: 10.10 ug/l
RT: 4.74 min Scan# 979
Delta R.T. -0.06 min
Lab File: VN049479.D
Acq: 21 Jun 2018 20:02

Tgt Ion: 59 Resp: 8931
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#





#13

Acrolein

Concen: 0.92 ug/l

RT: 3.60 min Scan# 624

Delta R.T. -0.01 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

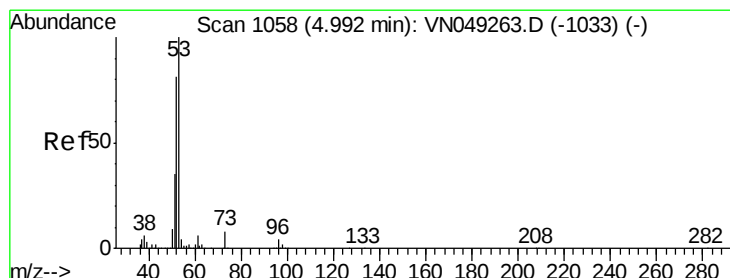
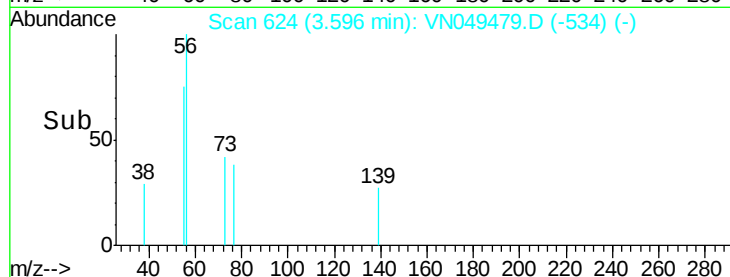
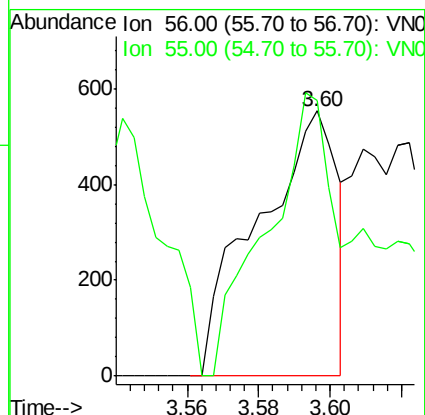
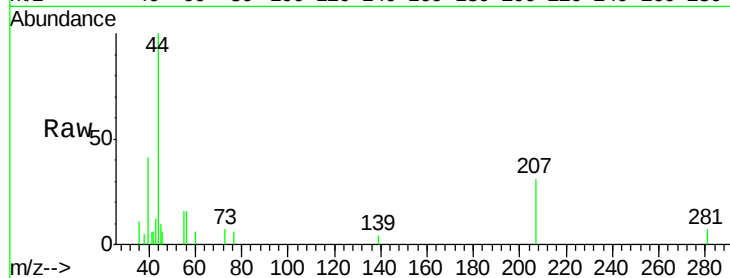
ClientSampled :

Tot Ion: 56 Resp: 854

Ion Ratio Lower Upper

56 100

55 92.6 57.1 85.7#



#15

Acrylonitrile

Concen: 0.52 ug/l

RT: 5.00 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

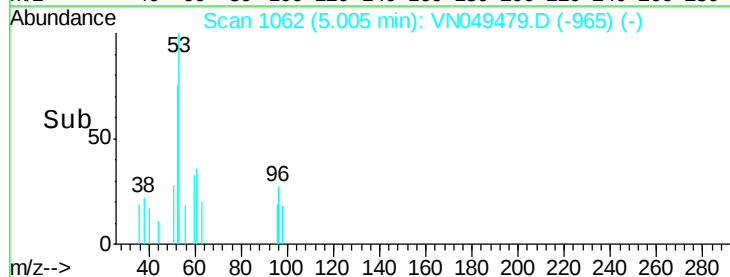
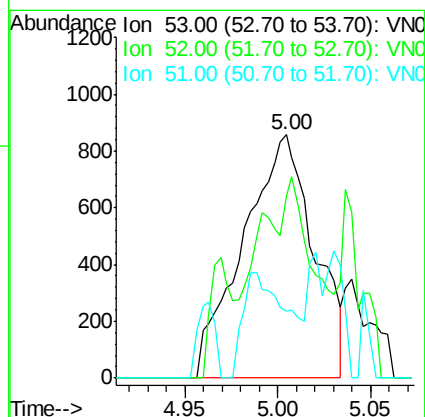
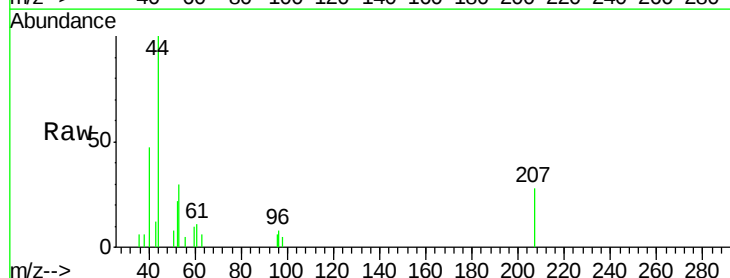
Tgt Ion: 53 Resp: 2280

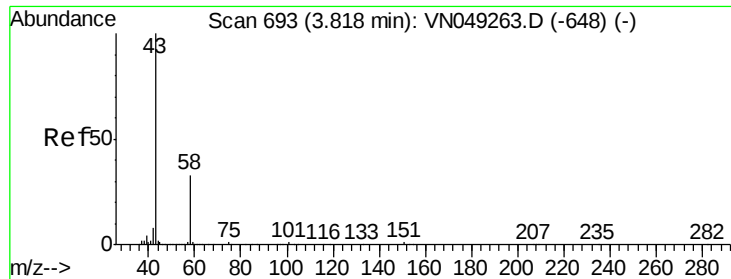
Ion Ratio Lower Upper

53 100

52 35.3 66.6 100.0#

51 4.5 29.8 44.8#





#16

Acetone

Concen: 2.03 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

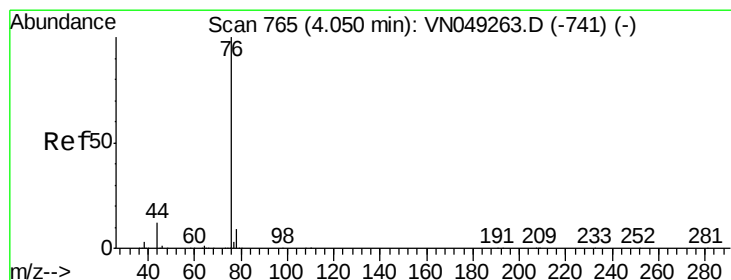
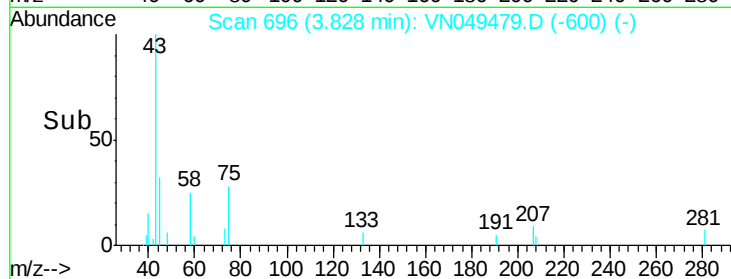
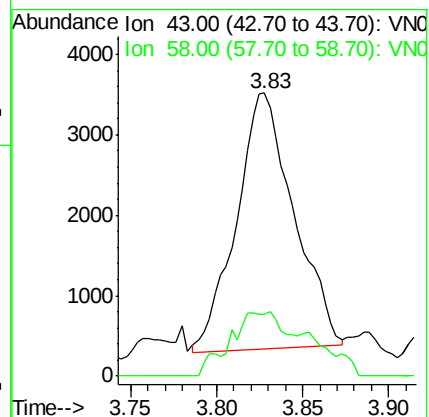
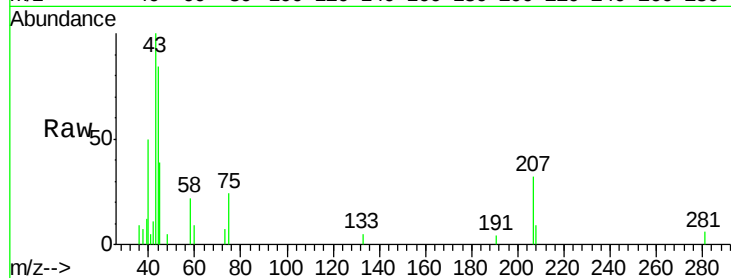
ClientSampleId :

Tot Ion: 43 Resp: 7427

Ion Ratio Lower Upper

43 100

58 24.8 22.4 33.6



#17

Carbon Disulfide

Concen: 1.01 ug/l

RT: 4.03 min Scan# 760

Delta R.T. -0.02 min

Lab File: VN049479.D

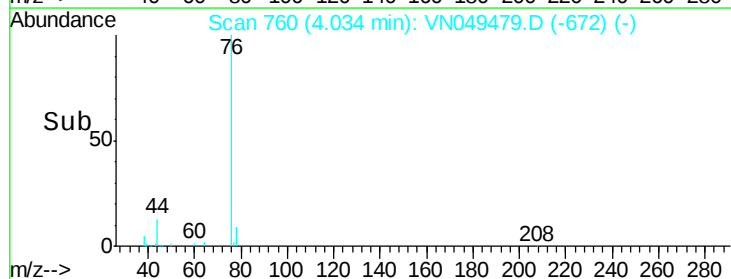
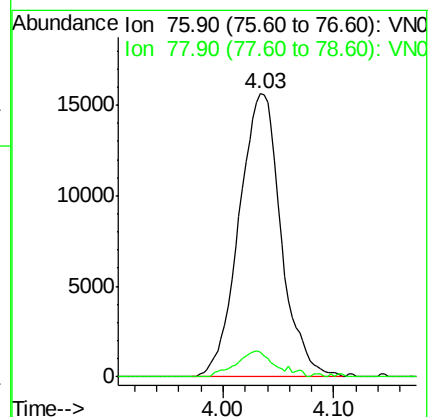
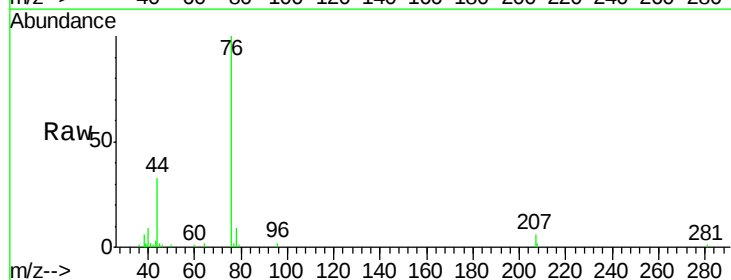
Acq: 21 Jun 2018 20:02

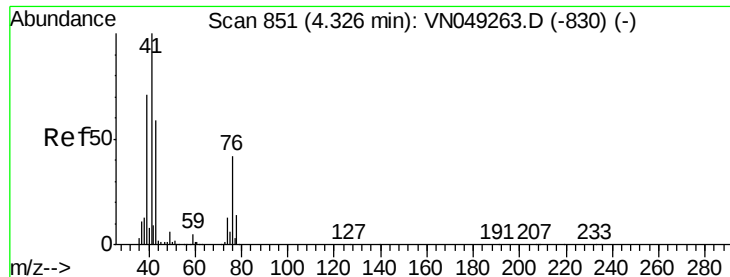
Tgt Ion: 76 Resp: 41213

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

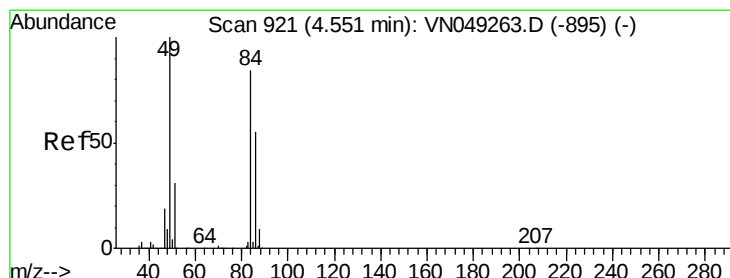
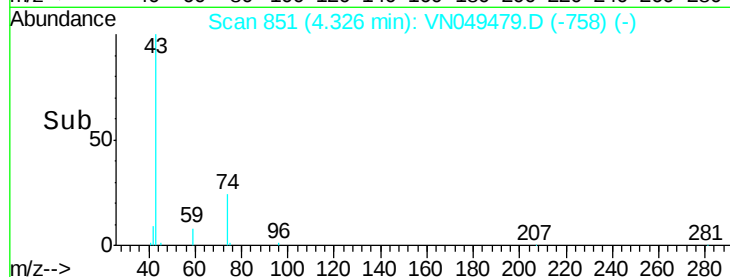
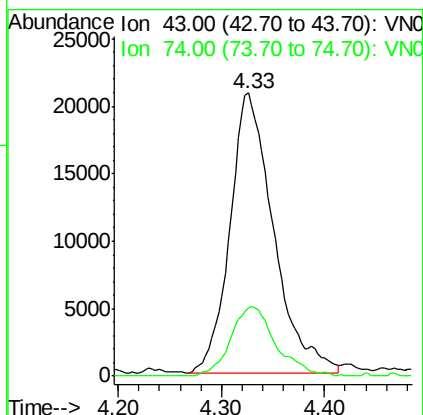
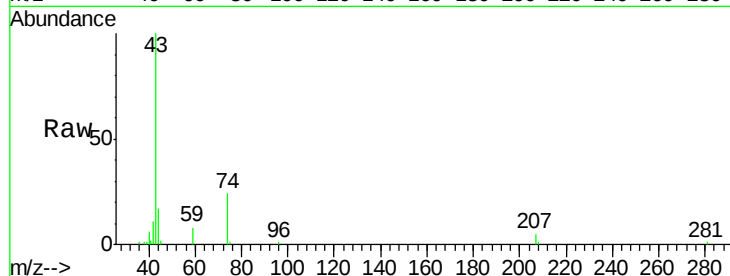




#18
Methvl Acetate
Concen: 5.48 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049479.D
Acq: 21 Jun 2018 20:02

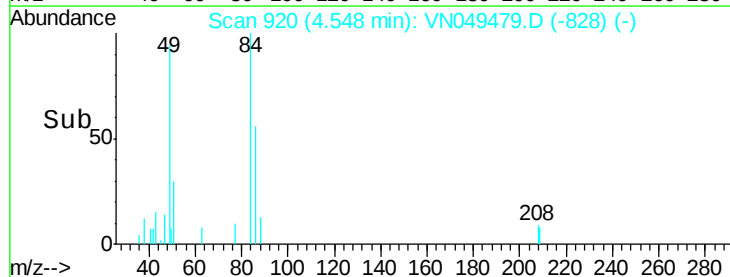
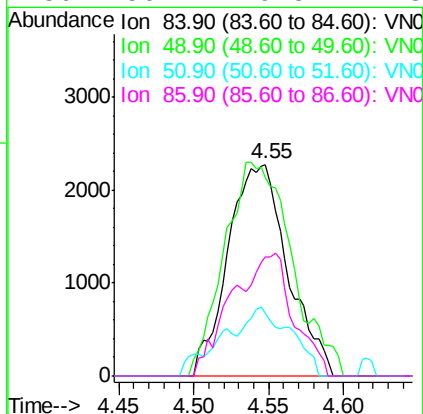
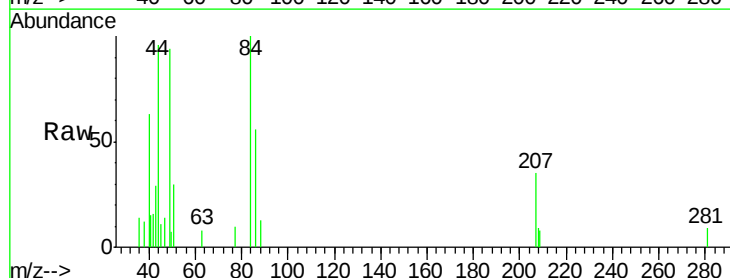
Instrument :
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ClientSampleId :

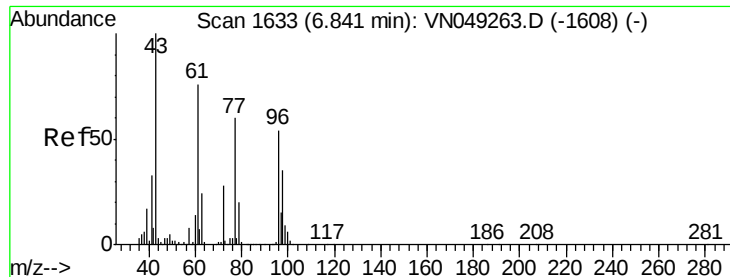
Tot Ion: 43 Resp: 61128
Ion Ratio Lower Upper
43 100
74 25.6 17.4 26.0



#20
Methylene Chloride
Concen: 0.41 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049479.D
Acq: 21 Jun 2018 20:02

Tgt Ion: 84 Resp: 6330
Ion Ratio Lower Upper
84 100
49 93.7 106.9 160.3#
51 29.7 32.7 49.1#
86 56.1 49.8 74.8





#25

2-Butanone

Concen: 0.92 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. 0.02 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

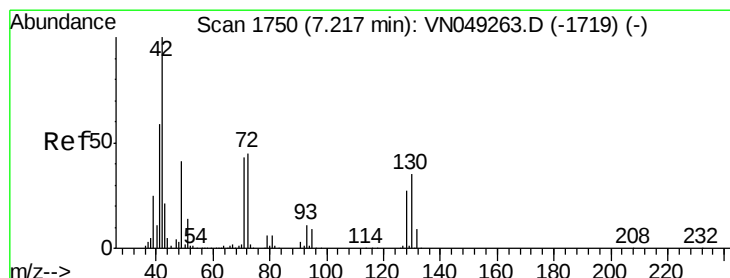
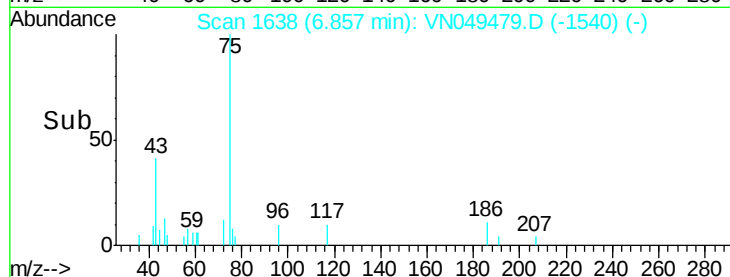
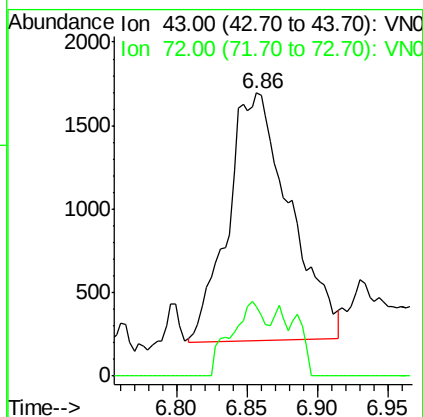
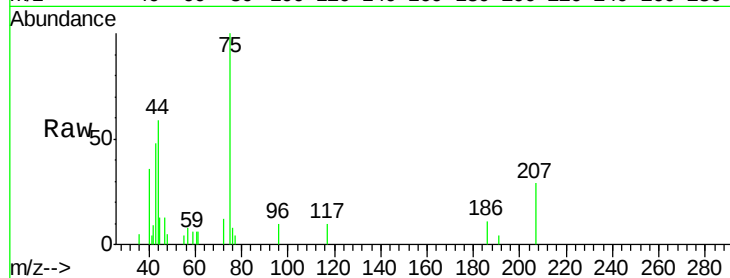
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4524

Ion Ratio Lower Upper

43 100

72 28.4 20.2 30.2



#29

Tetrahydrofuran

Concen: 1.58 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

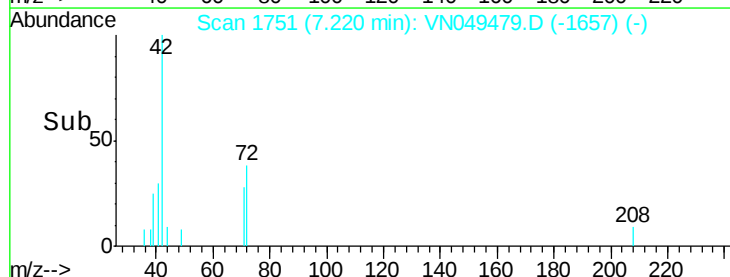
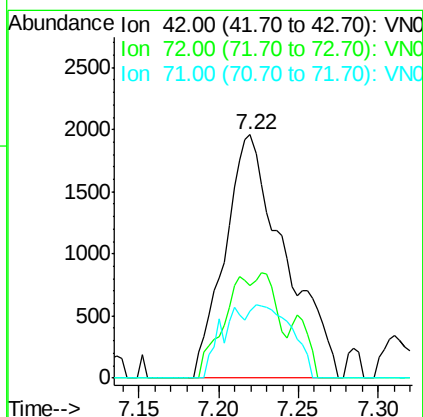
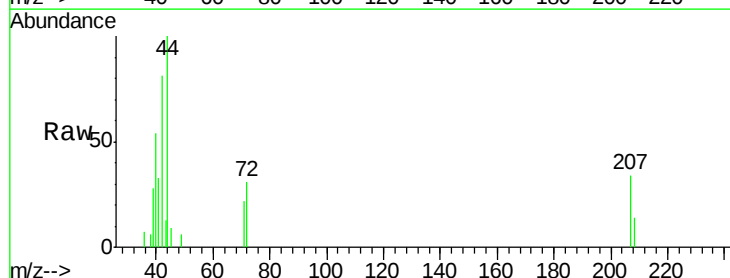
Tgt Ion: 42 Resp: 5012

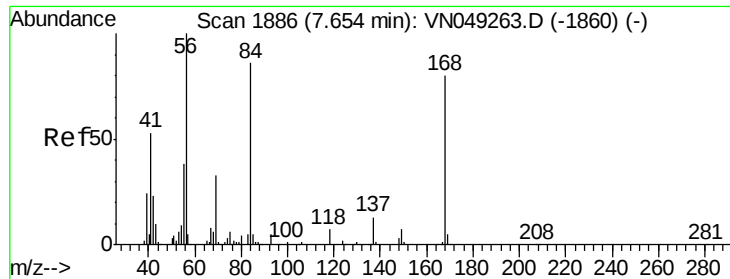
Ion Ratio Lower Upper

42 100

72 20.1 32.2 48.4#

71 12.3 30.5 45.7#

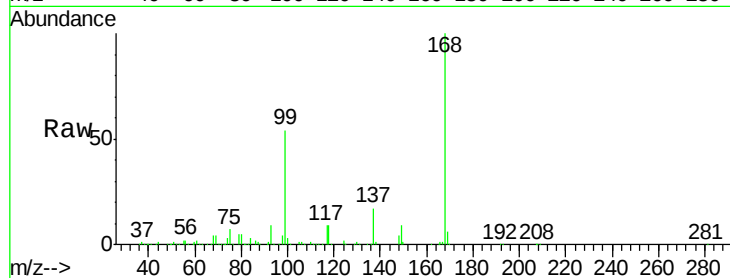




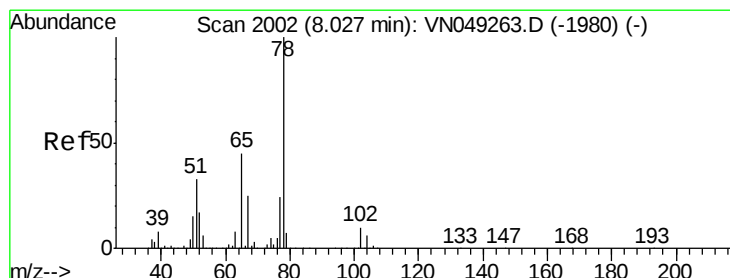
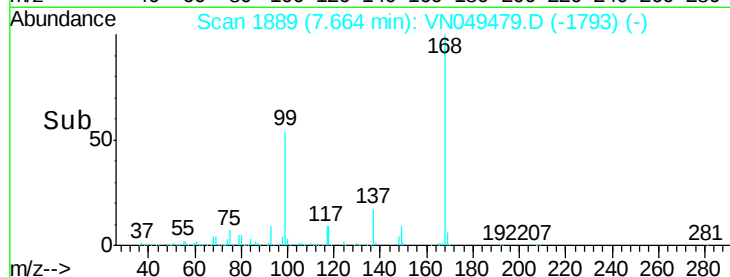
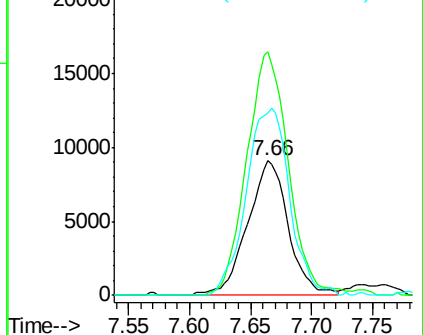
#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049479.D
Acq: 21 Jun 2018 20:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 21068
Ion Ratio Lower Upper
56 100
69 181.0 25.0 37.4#
84 135.6 64.6 96.8#

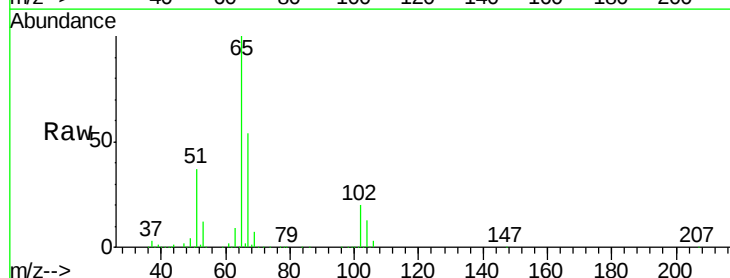


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

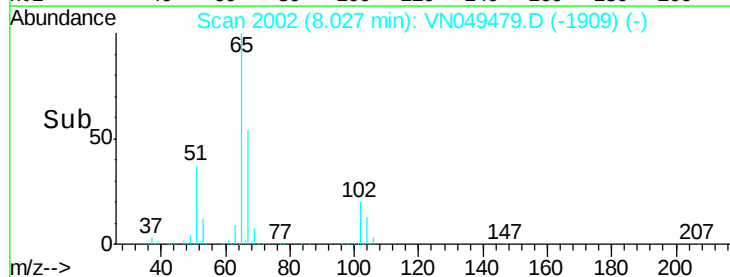
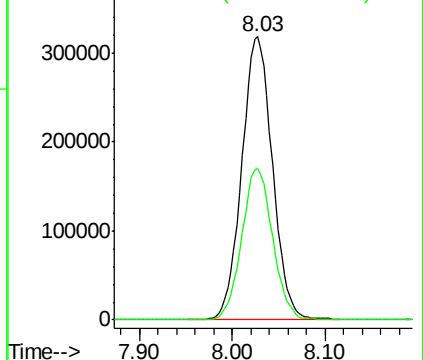


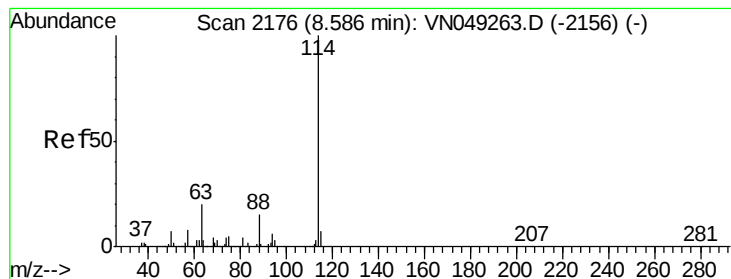
#33
1,2-Dichloroethane-d4
Concen: 48.50 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049479.D
Acq: 21 Jun 2018 20:02

Tgt Ion: 65 Resp: 730839
Ion Ratio Lower Upper
65 100
67 54.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

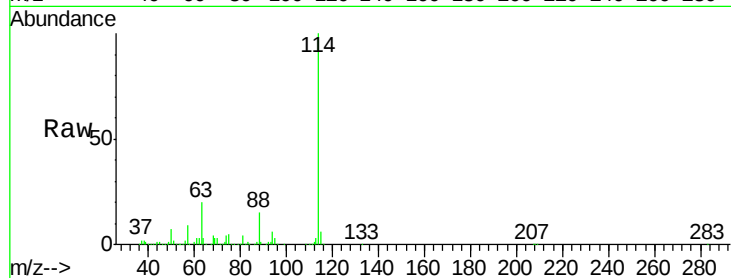
Tot Ion:114 Resp: 1734554

Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.4

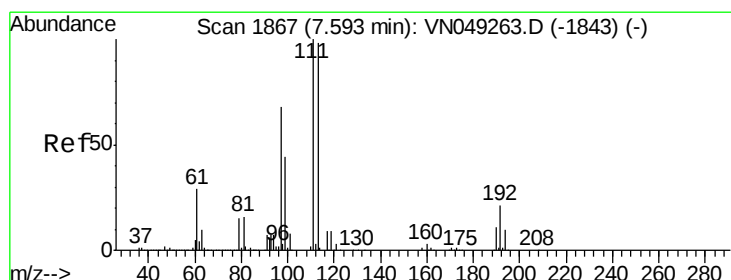
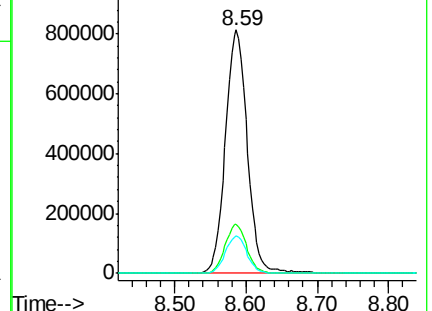
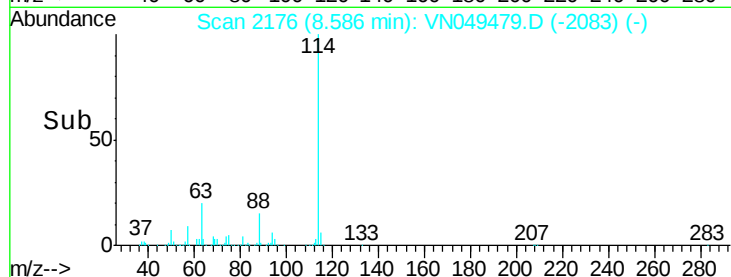
88 15.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 45.81 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

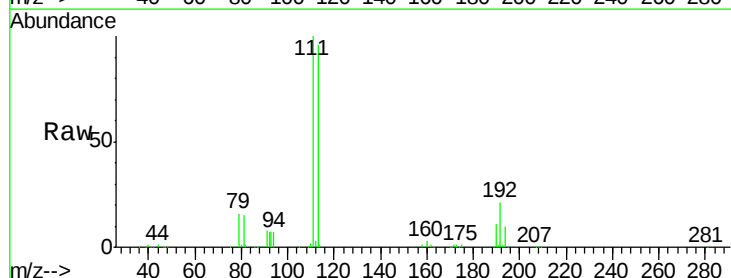
Tgt Ion:113 Resp: 642813

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

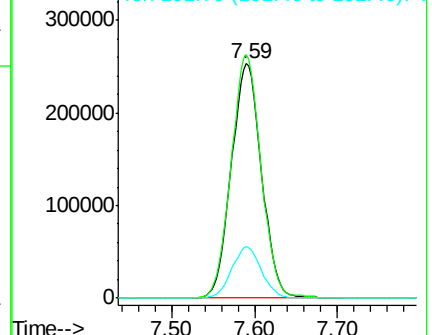
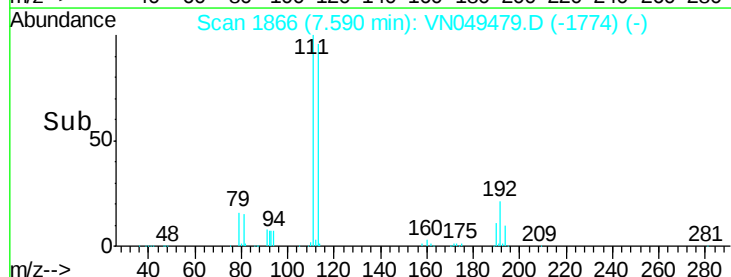
192 21.7 15.0 22.6

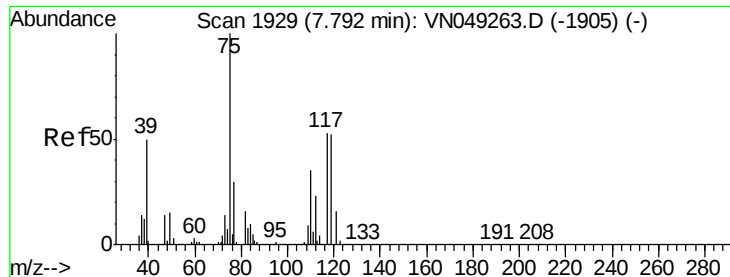


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

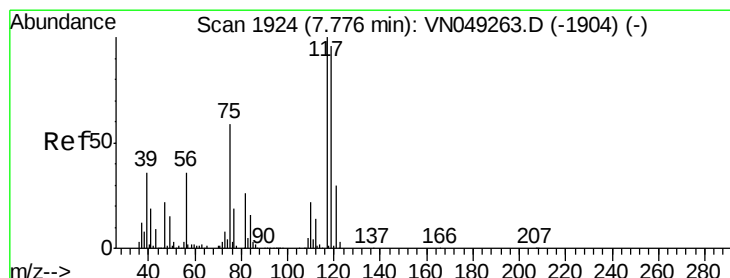
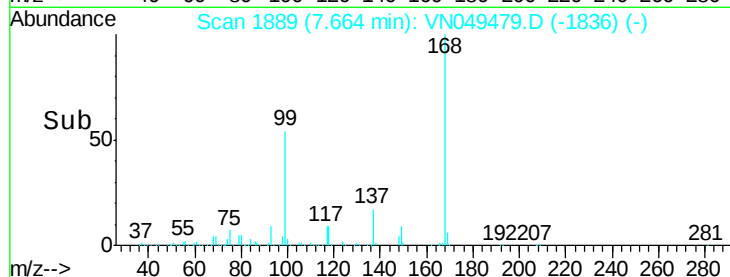
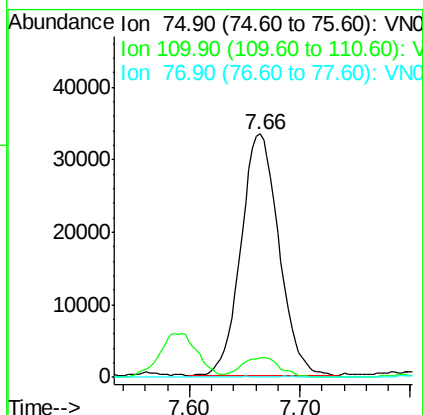
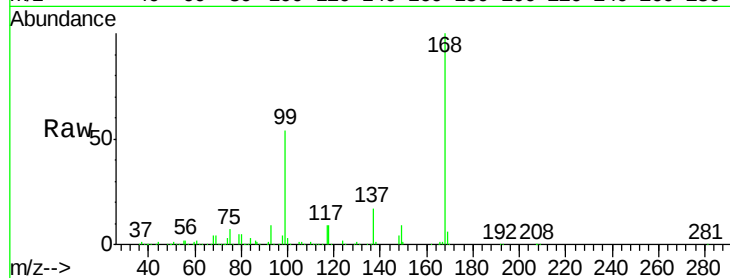
Tot Ion: 75 Resp: 79447

Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.09 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.11 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

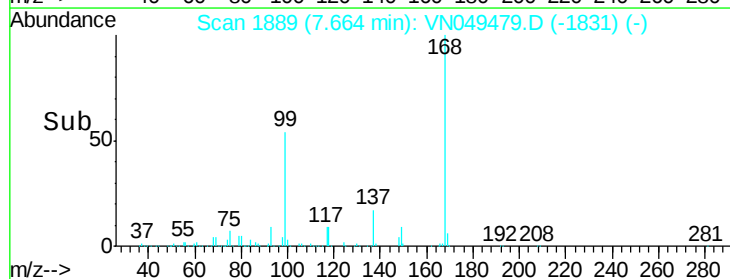
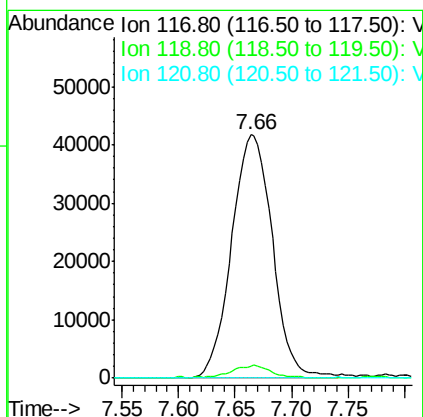
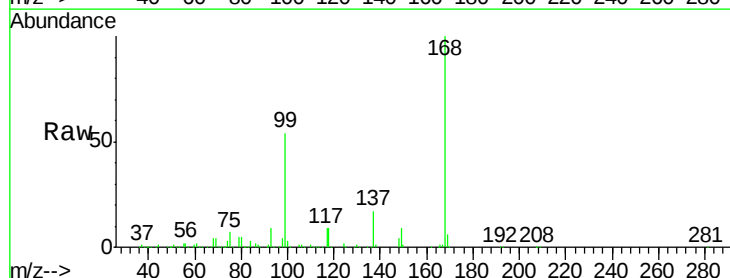
Tgt Ion: 117 Resp: 104834

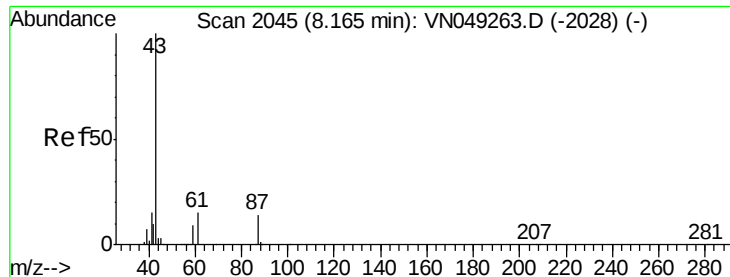
Ion Ratio Lower Upper

117 100

119 4.8 75.6 113.4#

121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 1.43 ug/l

RT: 8.18 min Scan# 2050

Delta R.T. 0.02 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

ClientSampled :

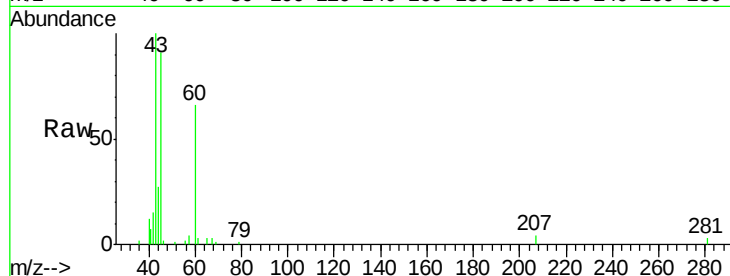
Tot Ion: 43 Resp: 29539

Ion Ratio Lower Upper

43 100

61 2.4 14.2 21.4#

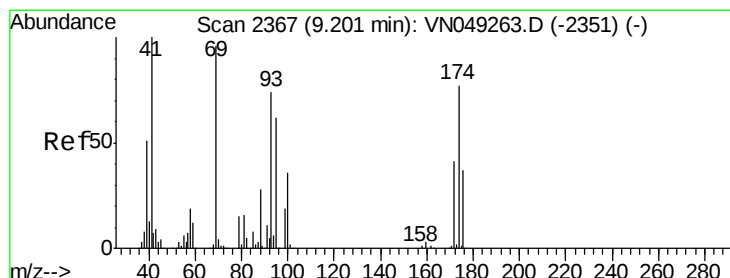
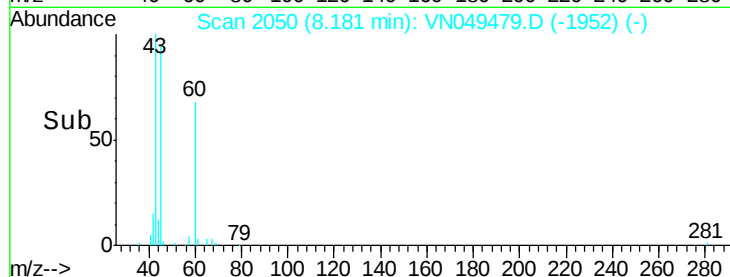
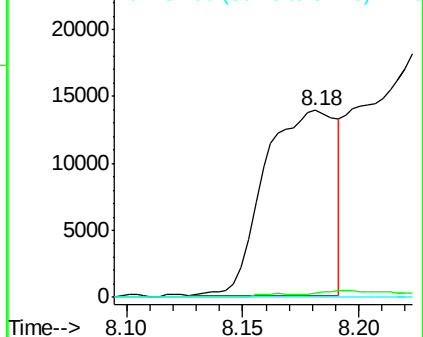
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049479.D (-2050) (-)

Ion 61.00 (60.70 to 61.70): VN049479.D (-2050) (-)

Ion 87.00 (86.70 to 87.70): VN049479.D (-2050) (-)



#49

1,4-Dioxane

Concen: 2.70 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

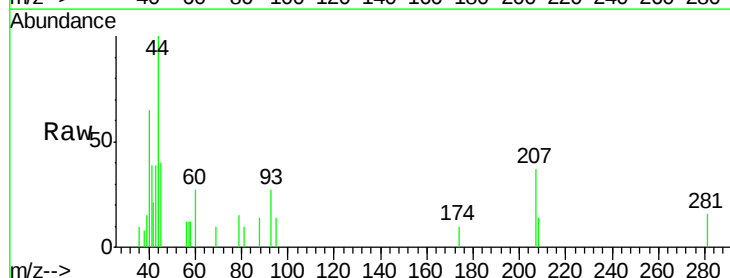
Tgt Ion: 88 Resp: 363

Ion Ratio Lower Upper

88 100

43 209.1 30.9 46.3#

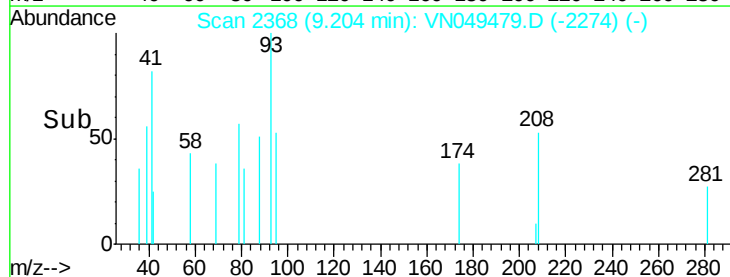
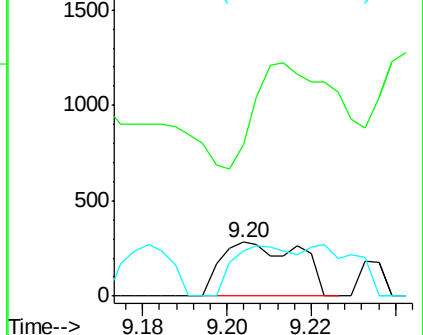
58 73.8 58.9 88.3

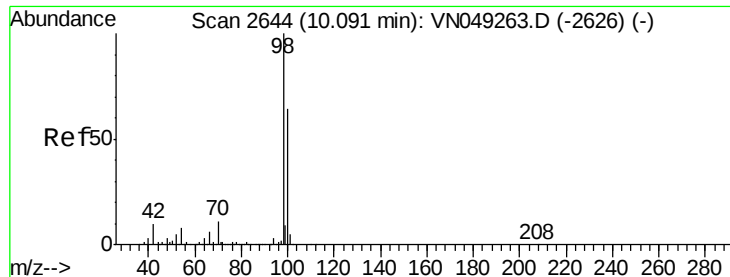


Abundance Ion 88.00 (87.70 to 88.70): VN049479.D (-2368) (-)

Ion 43.00 (42.70 to 43.70): VN049479.D (-2368) (-)

Ion 58.00 (57.70 to 58.70): VN049479.D (-2368) (-)





#50

Toluene-d8

Concen: 45.02 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

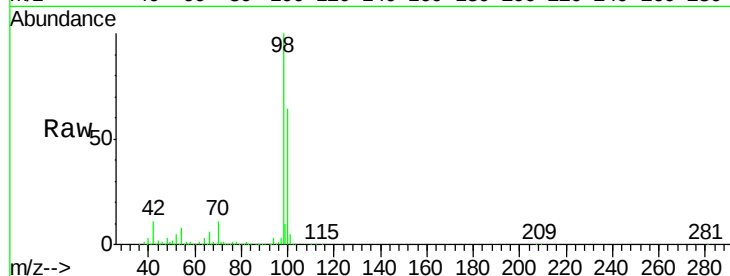
ClientSampled :

Tot Ion: 98 Resp: 2405541

Ion Ratio Lower Upper

98 100

100 63.2 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

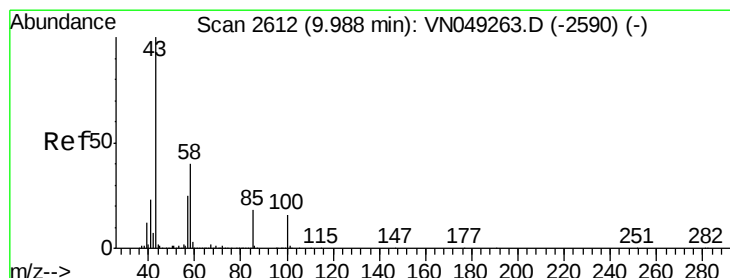
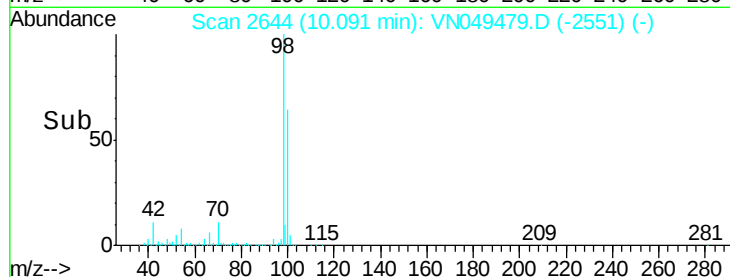
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.48 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049479.D

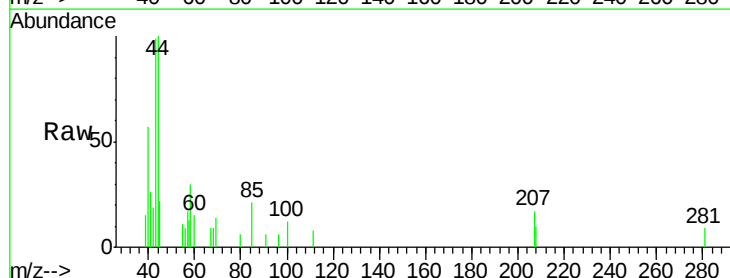
Acq: 21 Jun 2018 20:02

Tgt Ion: 43 Resp: 5211

Ion Ratio Lower Upper

43 100

58 25.9 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

3000

2500

2000

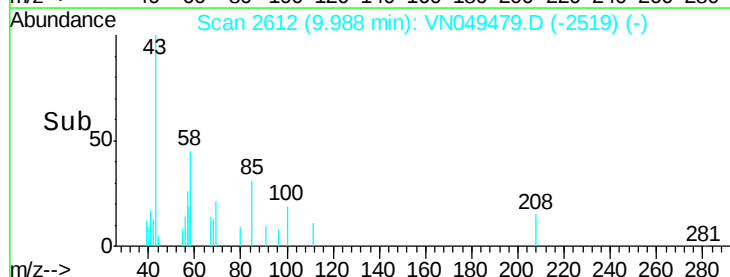
1500

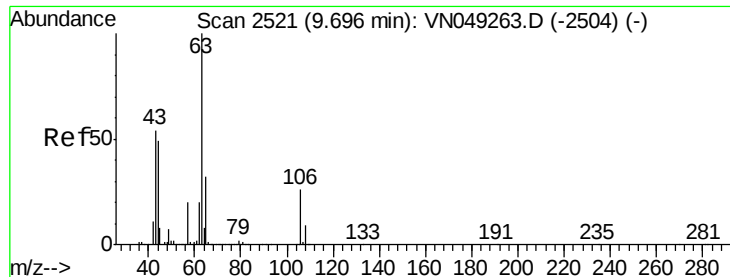
1000

500

0

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 14.35 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

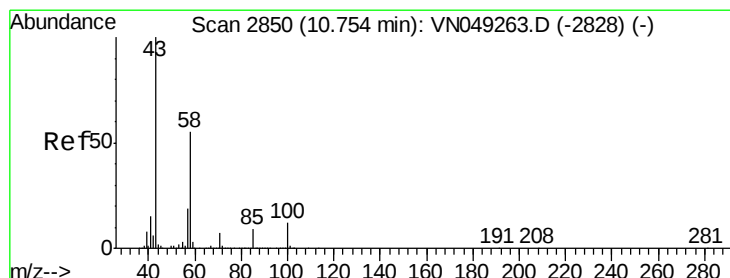
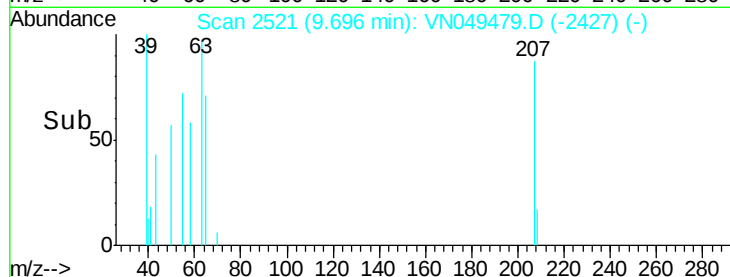
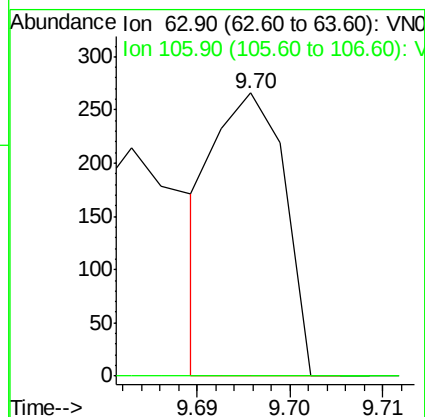
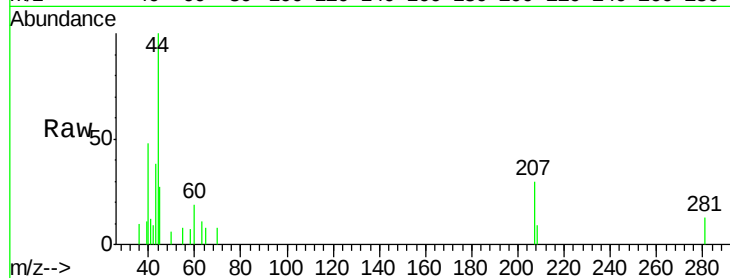
ClientSampleId :

Tot Ion: 63 Resp: 139

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



#59

2-Hexanone

Concen: 1.01 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN049479.D

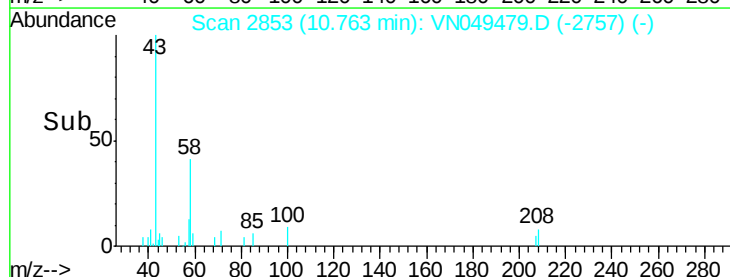
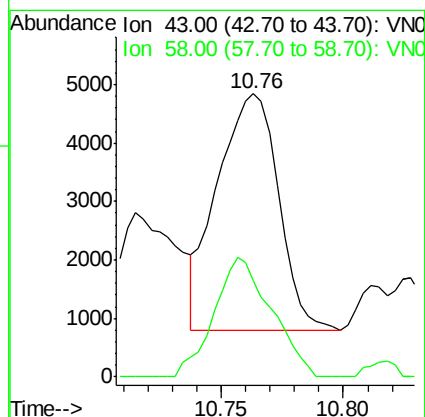
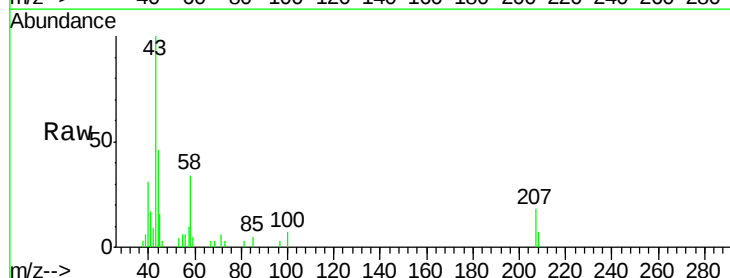
Acq: 21 Jun 2018 20:02

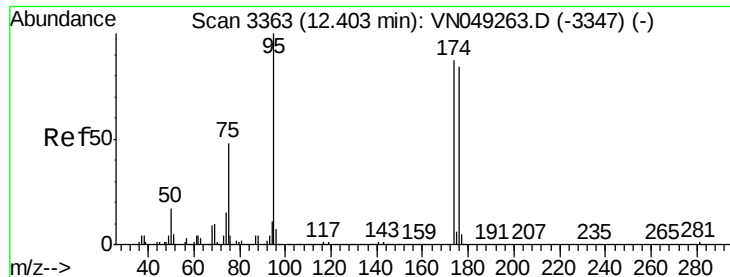
Tgt Ion: 43 Resp: 7017

Ion Ratio Lower Upper

43 100

58 47.5 25.2 75.6





#62

4-Bromofluorobenzene

Concen: 42.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

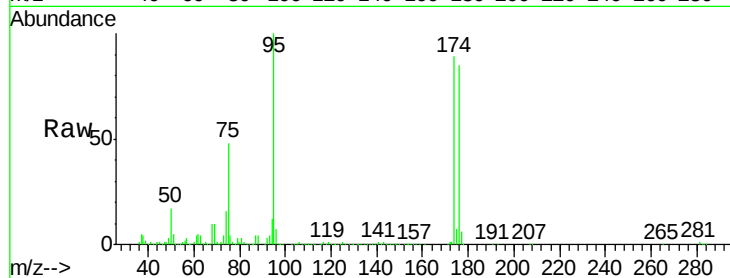
Tot Ion: 95 Resp: 744164

Ion Ratio Lower Upper

95 100

174 89.0 0.0 165.6

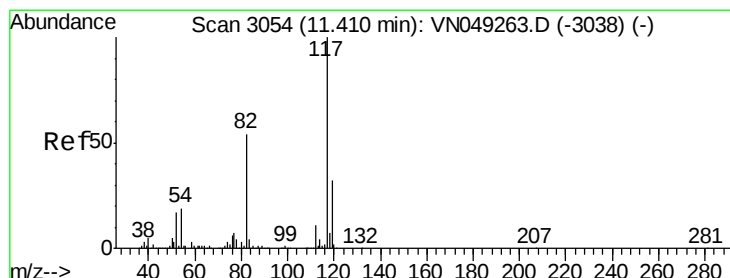
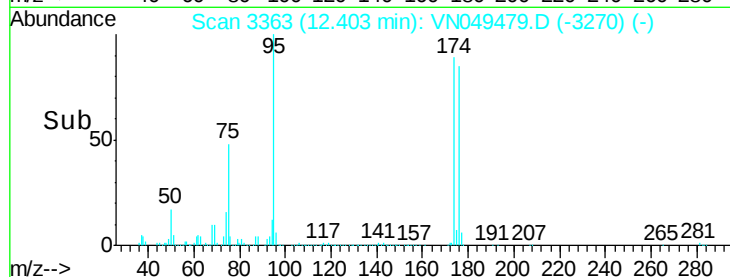
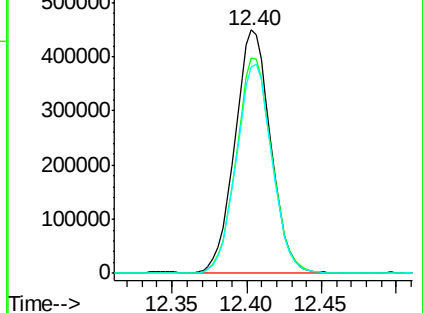
176 86.2 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049479.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049479.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049479.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

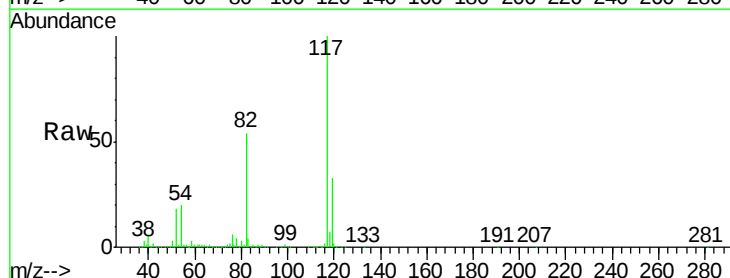
Tgt Ion: 117 Resp: 1502975

Ion Ratio Lower Upper

117 100

82 54.4 45.9 68.9

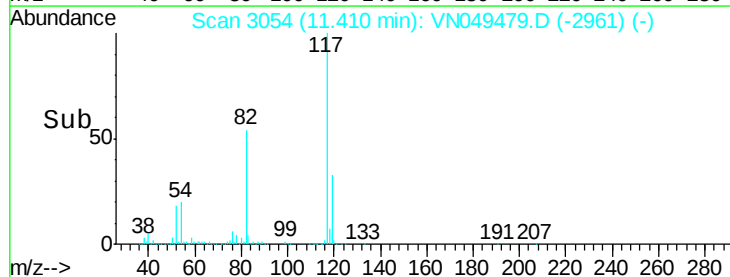
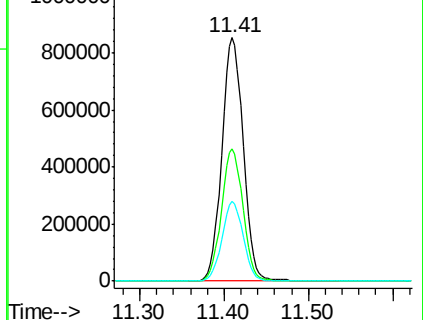
119 32.8 25.5 38.3

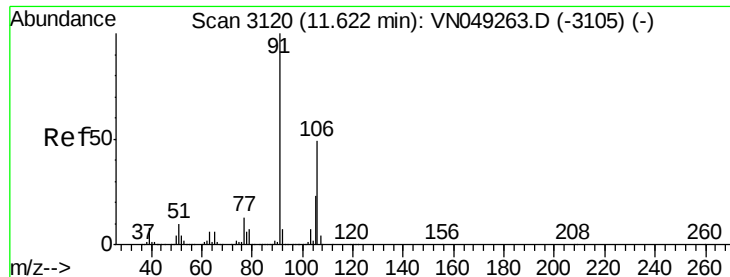


Abundance Ion 116.90 (116.60 to 117.60): VN049479.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049479.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049479.D (-2961) (-)





#68

m/p-Xvlenes

Concen: 0.29 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

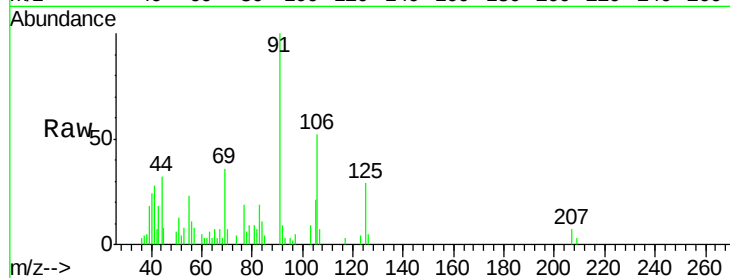
ClientSampled :

Tot Ion:106 Resp: 6879

Ion Ratio Lower Upper

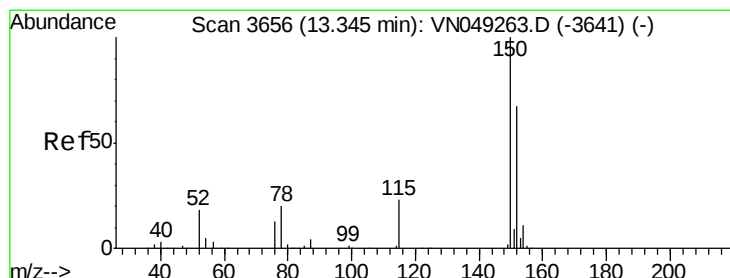
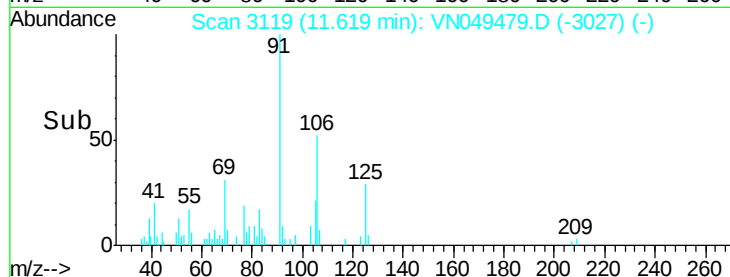
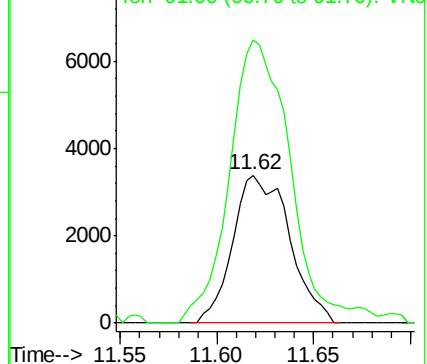
106 100

91 206.4 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

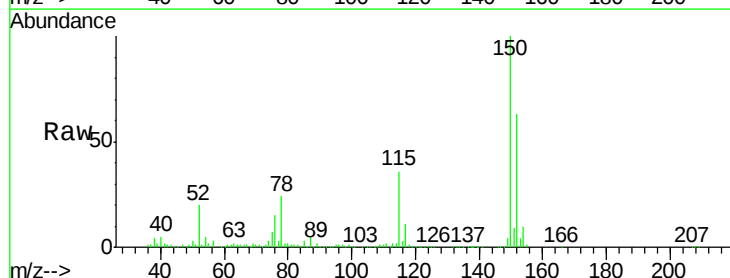
Tgt Ion:152 Resp: 608933

Ion Ratio Lower Upper

152 100

115 56.0 28.7 86.1

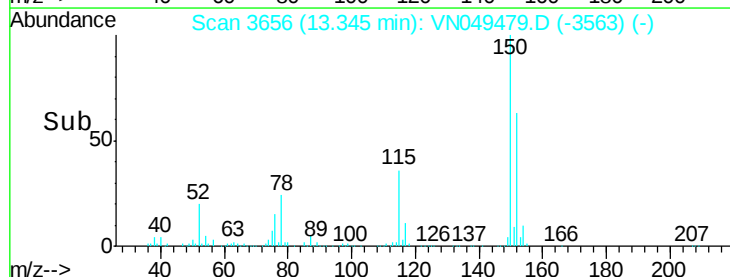
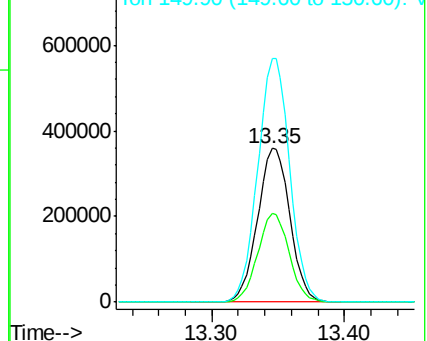
150 156.5 0.0 351.0

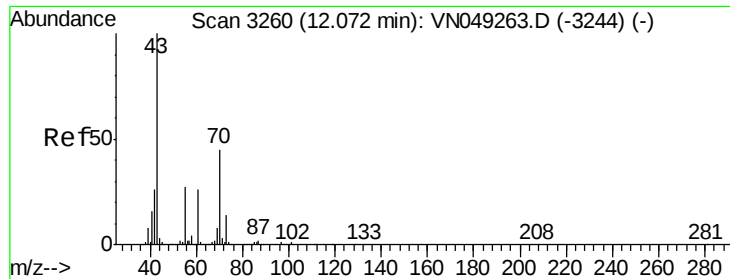


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.73 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 9516

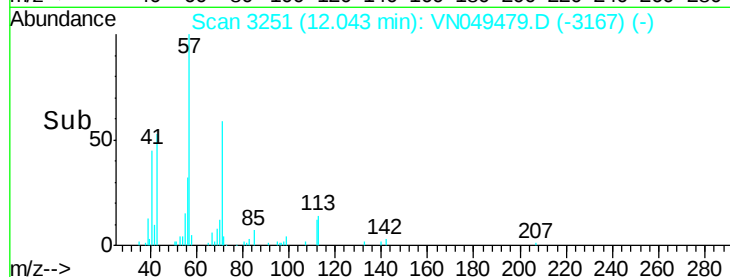
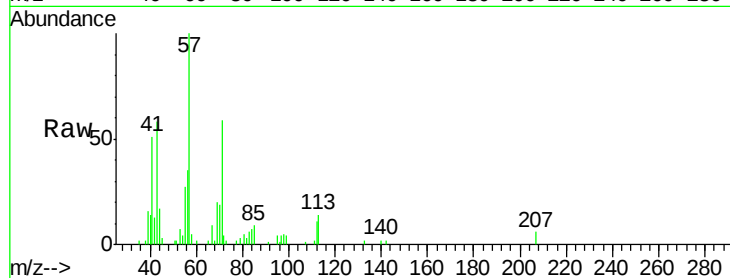
Ion Ratio Lower Upper

43 100

70 24.9 30.3 45.5#

55 28.6 19.4 29.2

61 1.0 17.8 26.6#

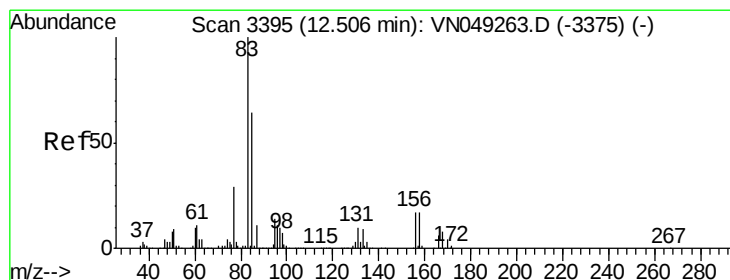
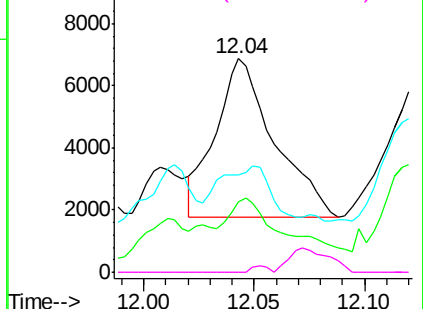


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3386

Delta R.T. -0.03 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

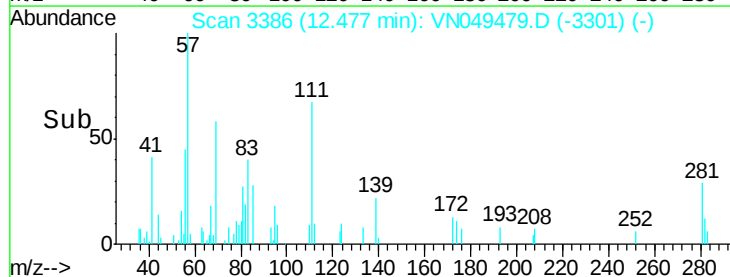
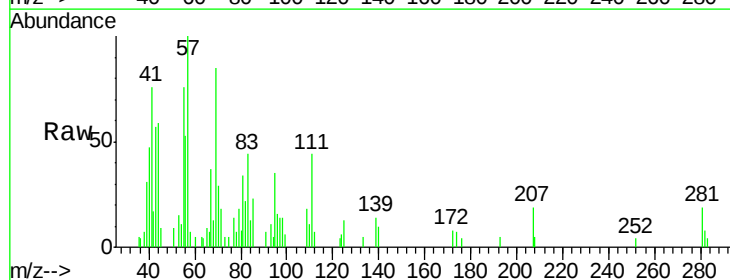
Tgt Ion: 83 Resp: 2201

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

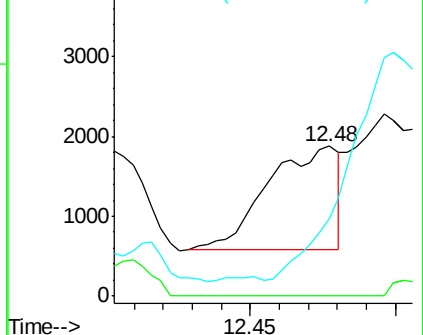
85 0.0 32.0 96.0#

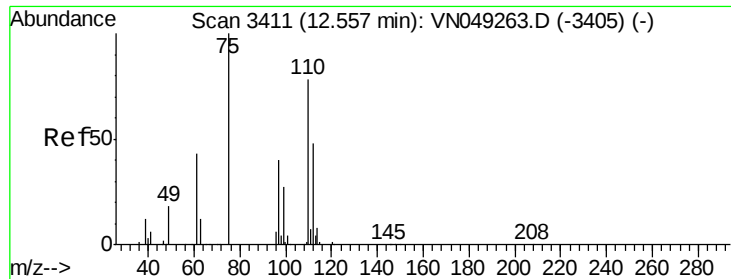


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 35.04 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

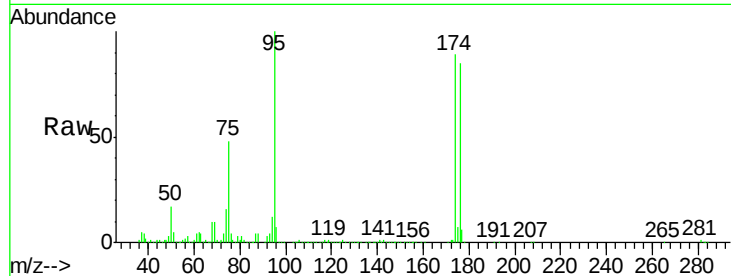
ClientSampleId :

Tot Ion: 75 Resp: 364022

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

250000

200000

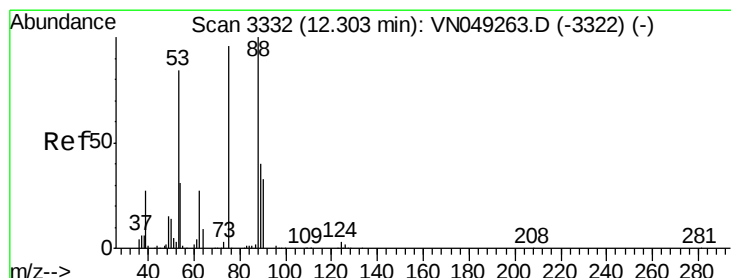
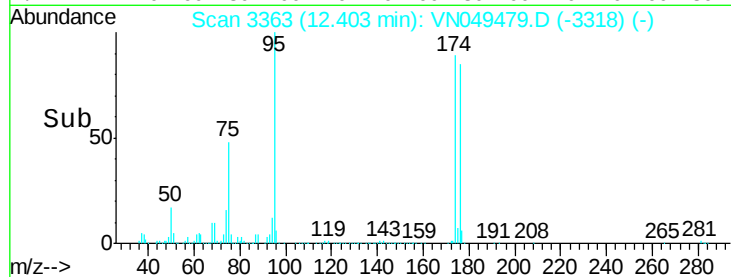
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 110.73 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

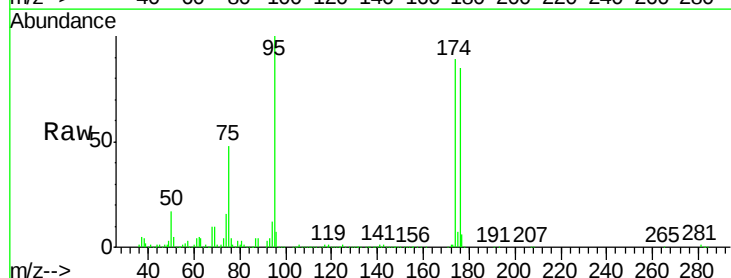
Tgt Ion: 75 Resp: 364022

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

300000

250000

200000

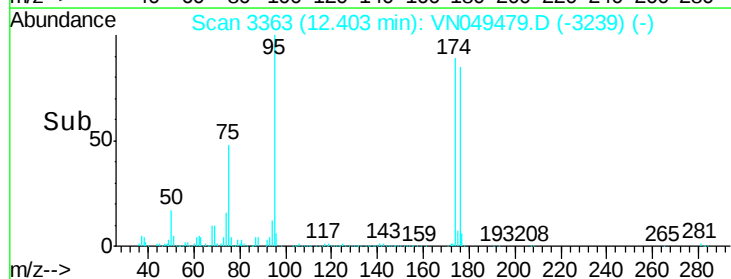
150000

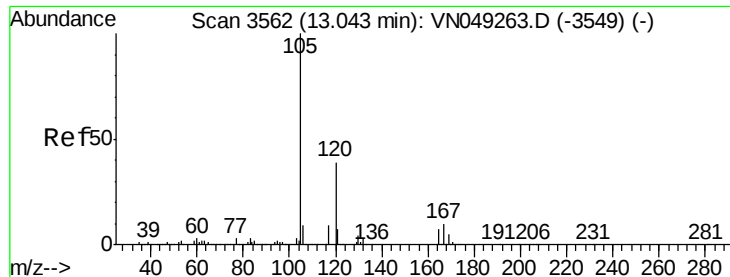
100000

50000

0

Time-->

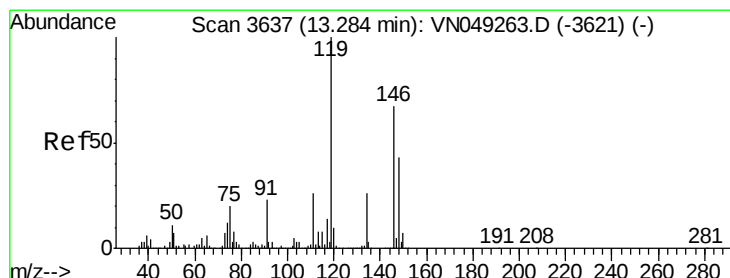
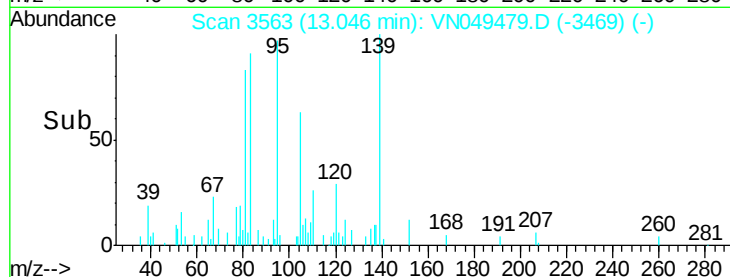
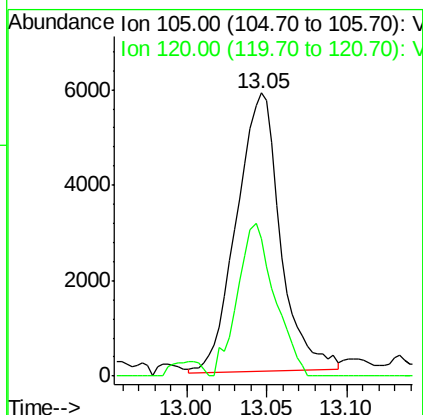
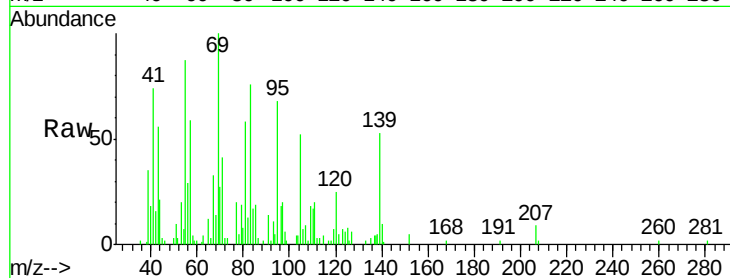




#84
 1,2,4-Trimethylbenzene
 Concen: 0.26 ug/l
 RT: 13.05 min Scan# 3563
 Delta R.T. 0.00 min
 Lab File: VN049479.D
 Acq: 21 Jun 2018 20:02

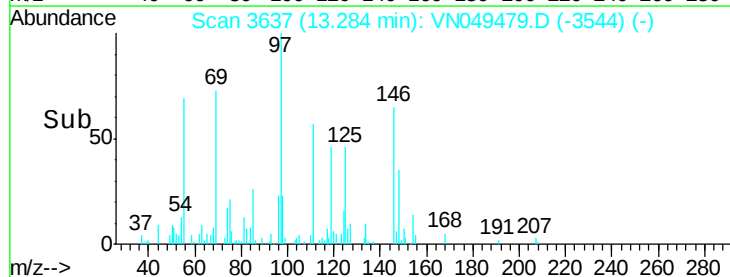
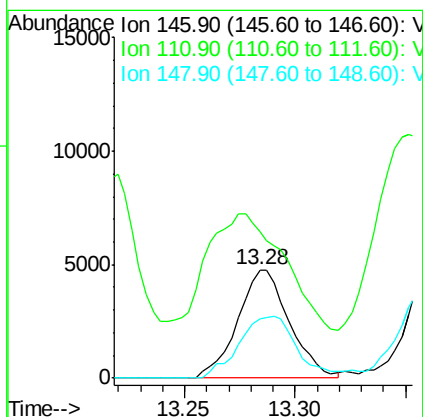
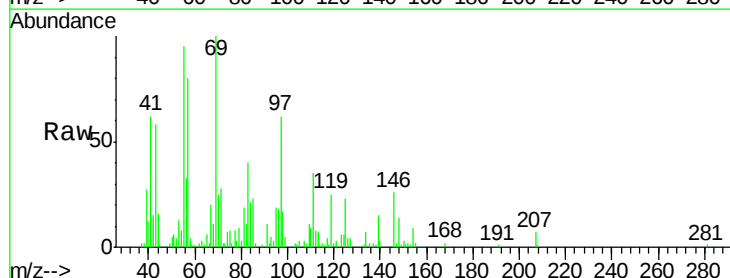
Instrument :
 MSVOA_N
 ClientSampleId :

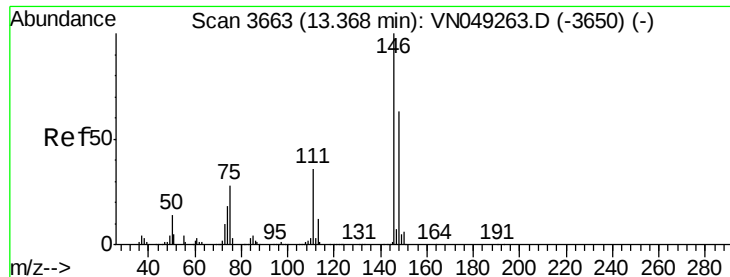
Tot Ion:105 Resp: 10912
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.2 66.6



#87
 1,3-Dichlorobenzene
 Concen: 0.33 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049479.D
 Acq: 21 Jun 2018 20:02

Tgt Ion:146 Resp: 7723
 Ion Ratio Lower Upper
 146 100
 111 158.4 19.9 59.6#
 148 63.7 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 0.52 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

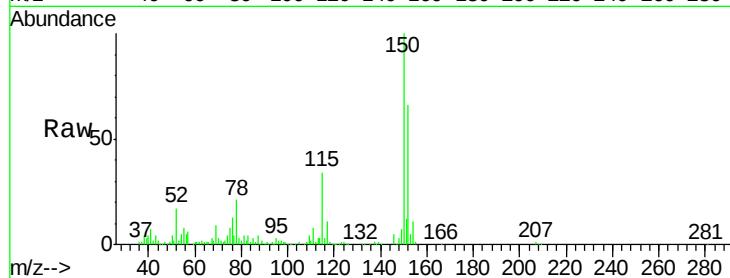
Tot Ion:146 Resp: 12008

Ion Ratio Lower Upper

146 100

111 213.0 19.1 57.1#

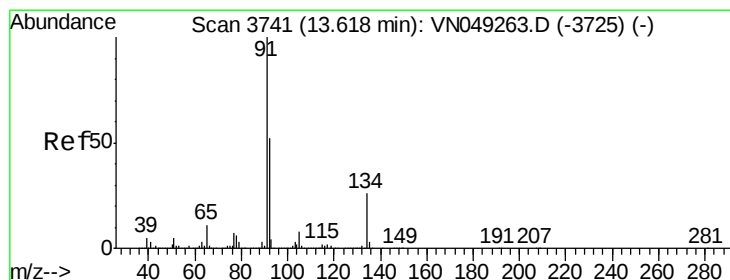
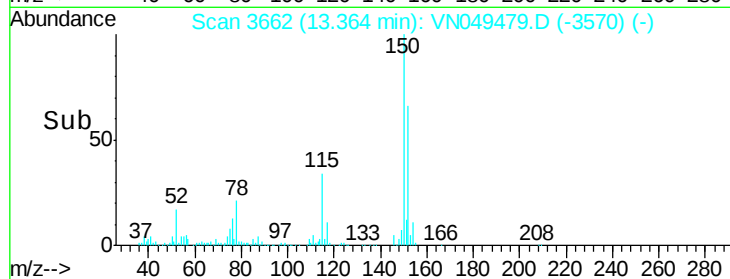
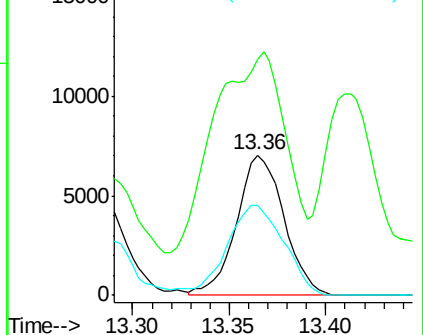
148 75.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.44 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

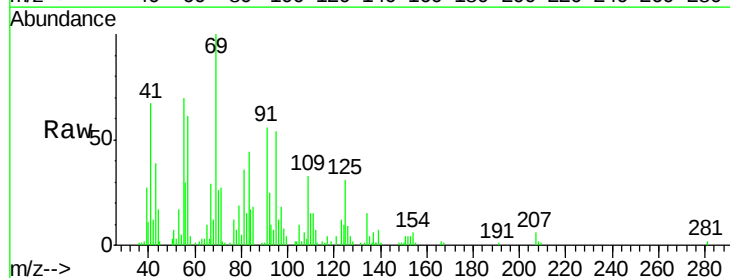
Tgt Ion: 91 Resp: 14089

Ion Ratio Lower Upper

91 100

92 48.4 25.1 75.4

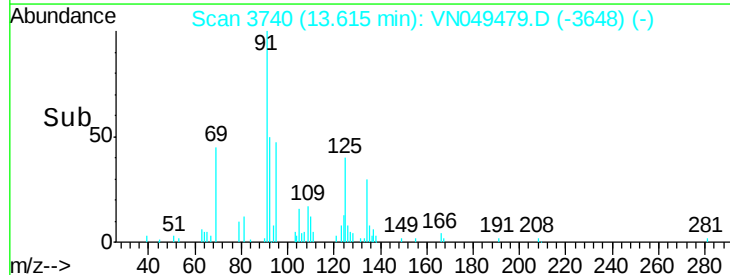
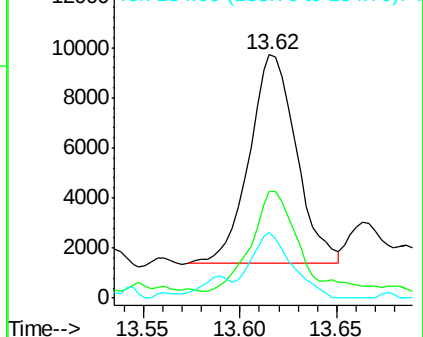
134 27.7 12.0 36.0

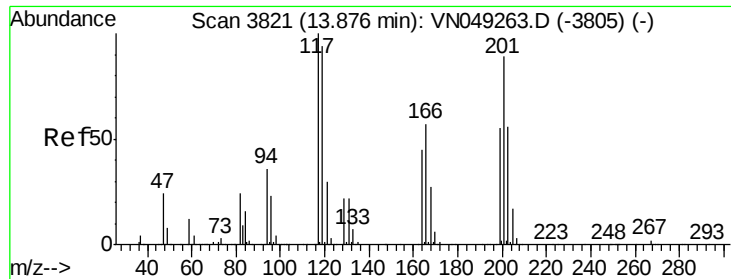


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3823

Delta R.T. 0.01 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

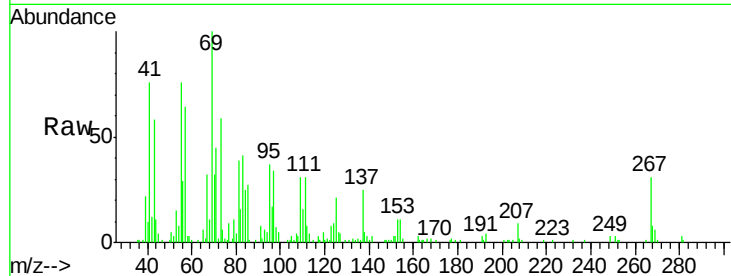
ClientSampled :

Tot Ion:117 Resp: 1346

Ion Ratio Lower Upper

117 100

201 34.6 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.88

800

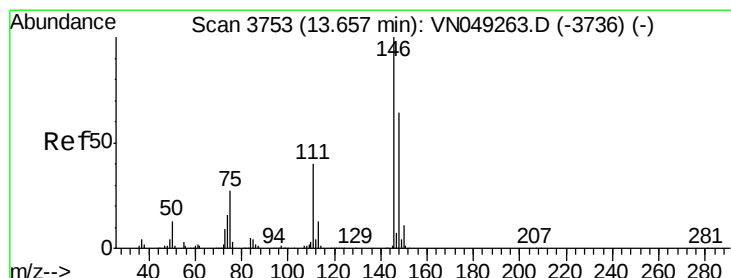
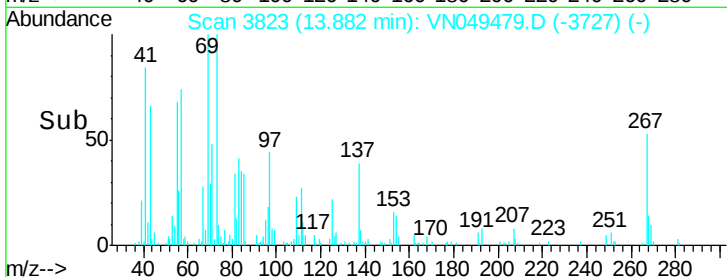
600

400

200

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.33 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

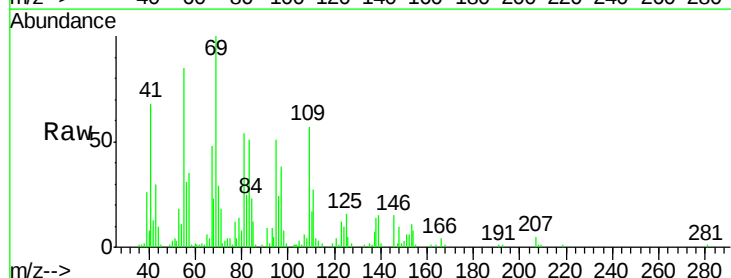
Tgt Ion:146 Resp: 7578

Ion Ratio Lower Upper

146 100

111 161.2 20.8 62.2#

148 66.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

10000

8000

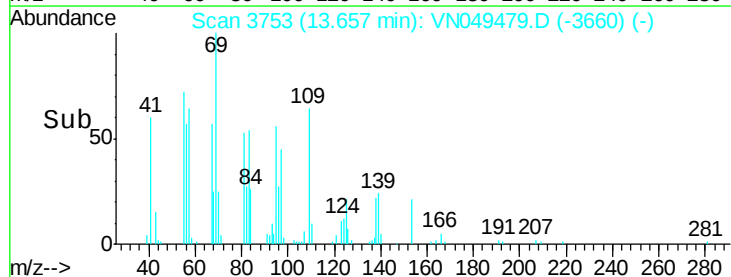
6000

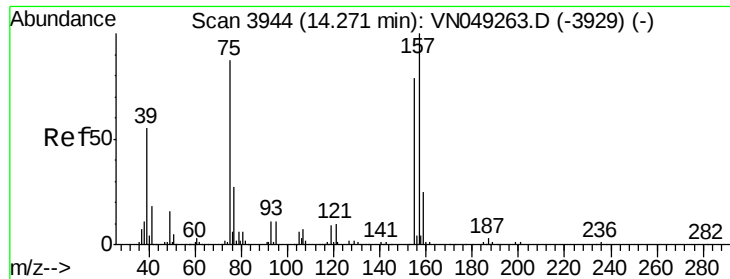
4000

2000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.75 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

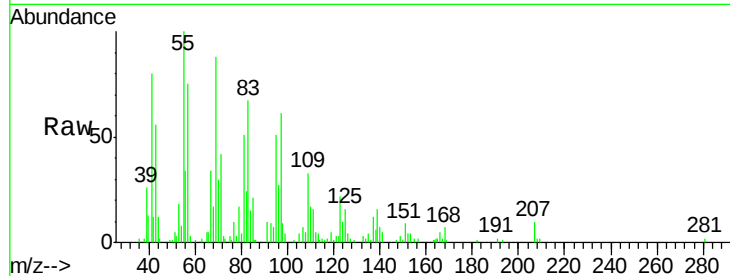
Tot Ion: 75 Resp: 1393

Ion Ratio Lower Upper

75 100

155 63.9 38.8 116.3

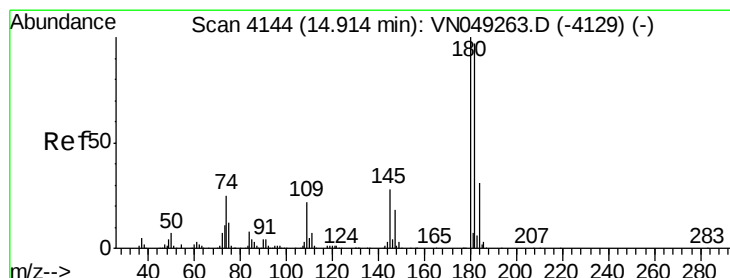
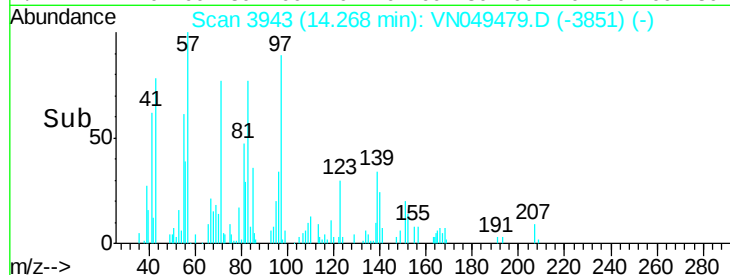
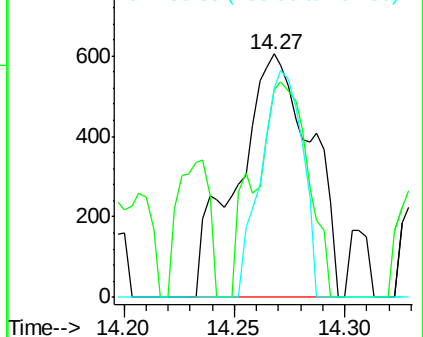
157 52.7 51.0 153.1



Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-3929) (-)

Ion 154.80 (154.50 to 155.50): VN049263.D (-3929) (-)

Ion 156.80 (156.50 to 157.50): VN049263.D (-3929) (-)



#93

1,2,4-Trichlorobenzene

Concen: 5.73 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

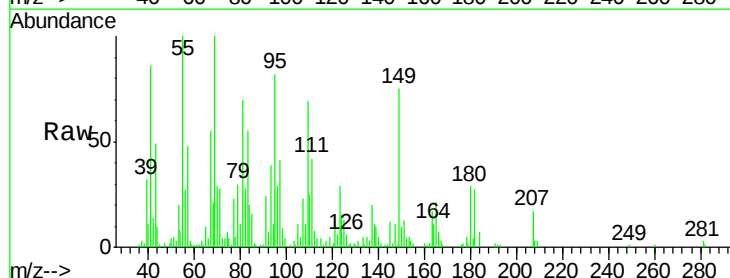
Tgt Ion: 180 Resp: 11409

Ion Ratio Lower Upper

180 100

182 93.7 46.9 140.8

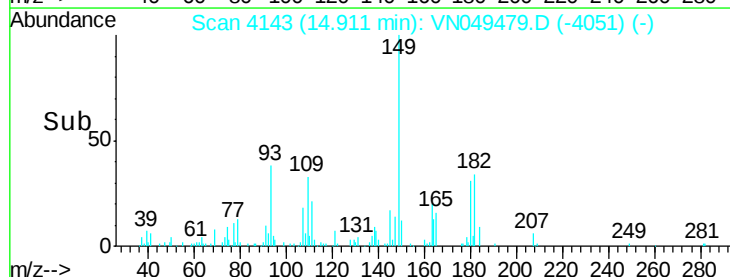
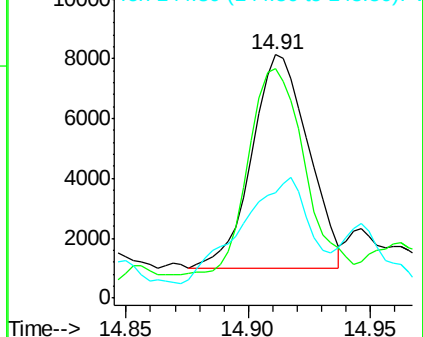
145 73.2 14.7 44.1#

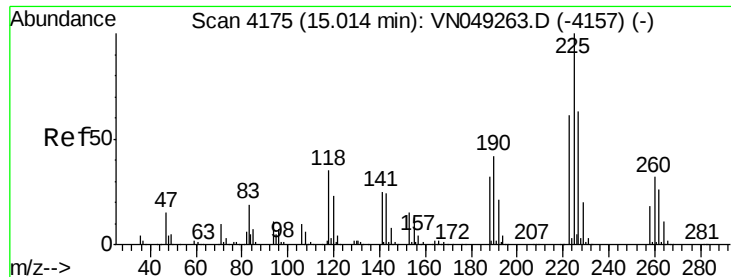


Abundance Ion 179.80 (179.50 to 180.50): VN049263.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN049263.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN049263.D (-4129) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

Instrument :

MSVOA_N

ClientSampled :

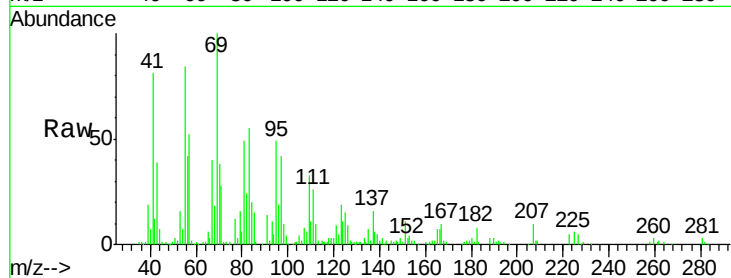
Tot Ion:225 Resp: 5371

Ion Ratio Lower Upper

225 100

223 75.9 32.1 96.3

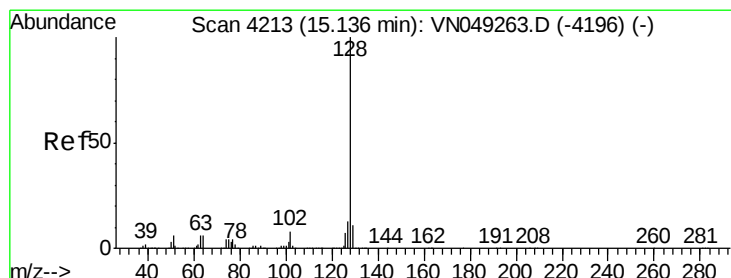
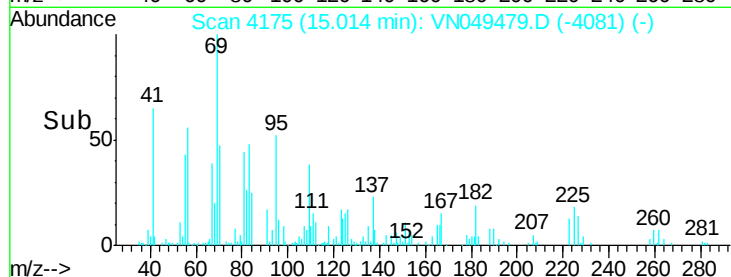
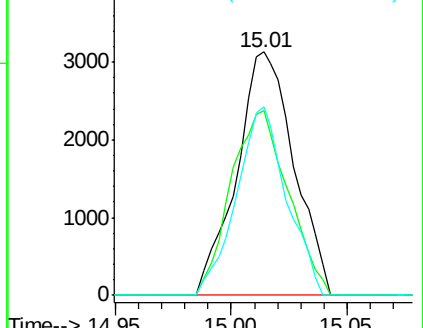
227 67.7 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.16 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049479.D

Acq: 21 Jun 2018 20:02

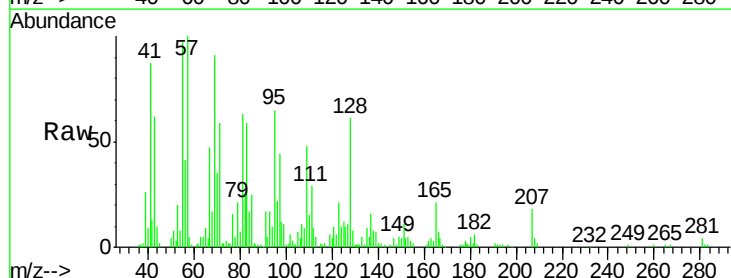
Tgt Ion:128 Resp: 35348

Ion Ratio Lower Upper

128 100

127 19.5 10.6 16.0#

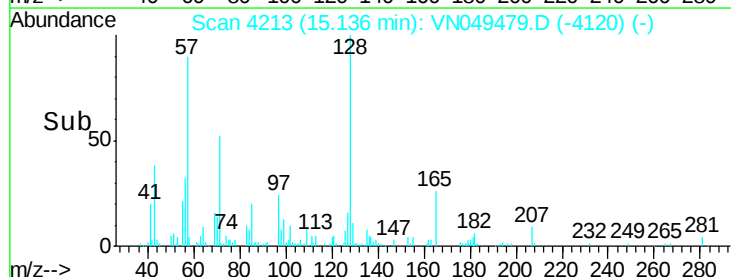
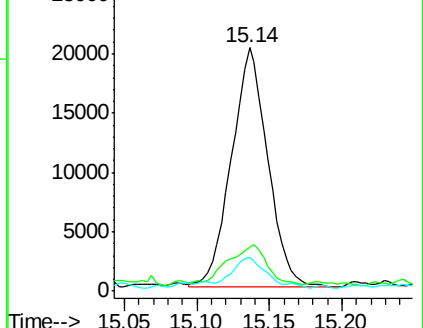
129 11.7 8.5 12.7

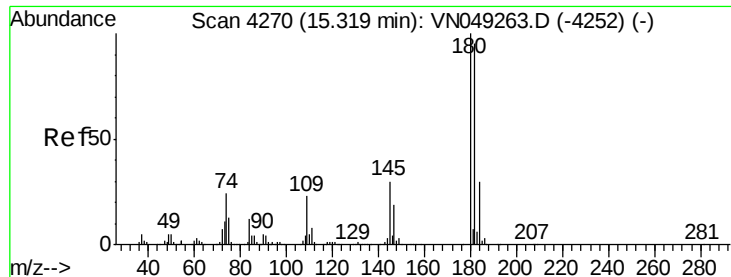


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

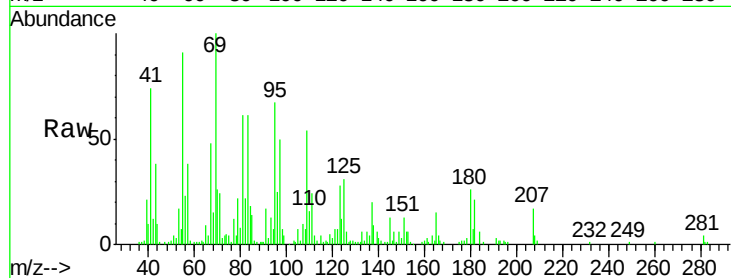




#96
 1,2,3-Trichlorobenzene
 Concen: 4.75 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049479.D
 Acq: 21 Jun 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.8	47.3	141.8
145	62.6	15.6	46.7



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

