

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049292.D
 Acq On : 16 Jun 2018 6:26
 Operator : MD\SY
 Sample : J3504-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 01:12:26 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	1340681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2142440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1675587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	481066	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	901804	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	7.59	113	816013	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	10.09	98	2886323	43.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.46%	
62) 4-Bromofluorobenzene	12.40	95	687848	31.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.04%	

Target Compounds				Qvalue		
3) Chloromethane	2.06	50	4150	0.21	ug/l	91
5) Bromomethane	2.57	94	5054	0.45	ug/l #	78
11) Tert butyl alcohol	4.80	59	242	0.23	ug/l #	70
13) Acrolein	3.60	56	277	0.25	ug/l #	23
16) Acetone	3.82	43	36979	8.56	ug/l	96
18) Methyl Acetate	4.34	43	101046	7.68	ug/l	93
20) Methylene Chloride	4.55	84	1524059	84.52	ug/l	91
25) 2-Butanone	6.85	43	5270	0.91	ug/l #	89
30) Chloroform	7.37	83	17941	0.58	ug/l	94
31) Cyclohexane	7.67	56	26744	0.84	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	94114	3.83	ug/l #	50
37) Ethyl Acetate	6.85	43	5270	0.39	ug/l #	73
38) Carbon Tetrachloride	7.67	117	119106	4.69	ug/l #	17
43) Isopropyl Acetate	8.21	43	430351	16.87	ug/l #	64
47) Bromodichloromethane	9.41	83	6128	0.24	ug/l #	93
49) 1,4-Dioxane	9.20	88	59	0.36	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	3955	0.30	ug/l	97
65) Chlorobenzene	11.43	112	18654	0.43	ug/l	94
67) Ethyl Benzene	11.51	91	24576	0.34	ug/l	98
68) m/p-Xylenes	11.62	106	7999	0.30	ug/l	100
69) o-Xylene	11.95	106	5364	0.21	ug/l	90
71) Bromoform	12.41	173	6015	0.57	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.56	83	175	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	330130	40.22	ug/l #	100
78) n-propylbenzene	12.59	91	12167	0.26	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	7424	0.22	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	330130	127.12	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	24431	0.74	ug/l	95
90) Hexachloroethane	13.89	117	3102	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.92	180	569	4.81	ug/l #	1
94) Hexachlorobutadiene	15.01	225	585	Below	Cal	79
95) Naphthalene	15.14	128	124550	11.18	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	197	3.48	ug/l #	1

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

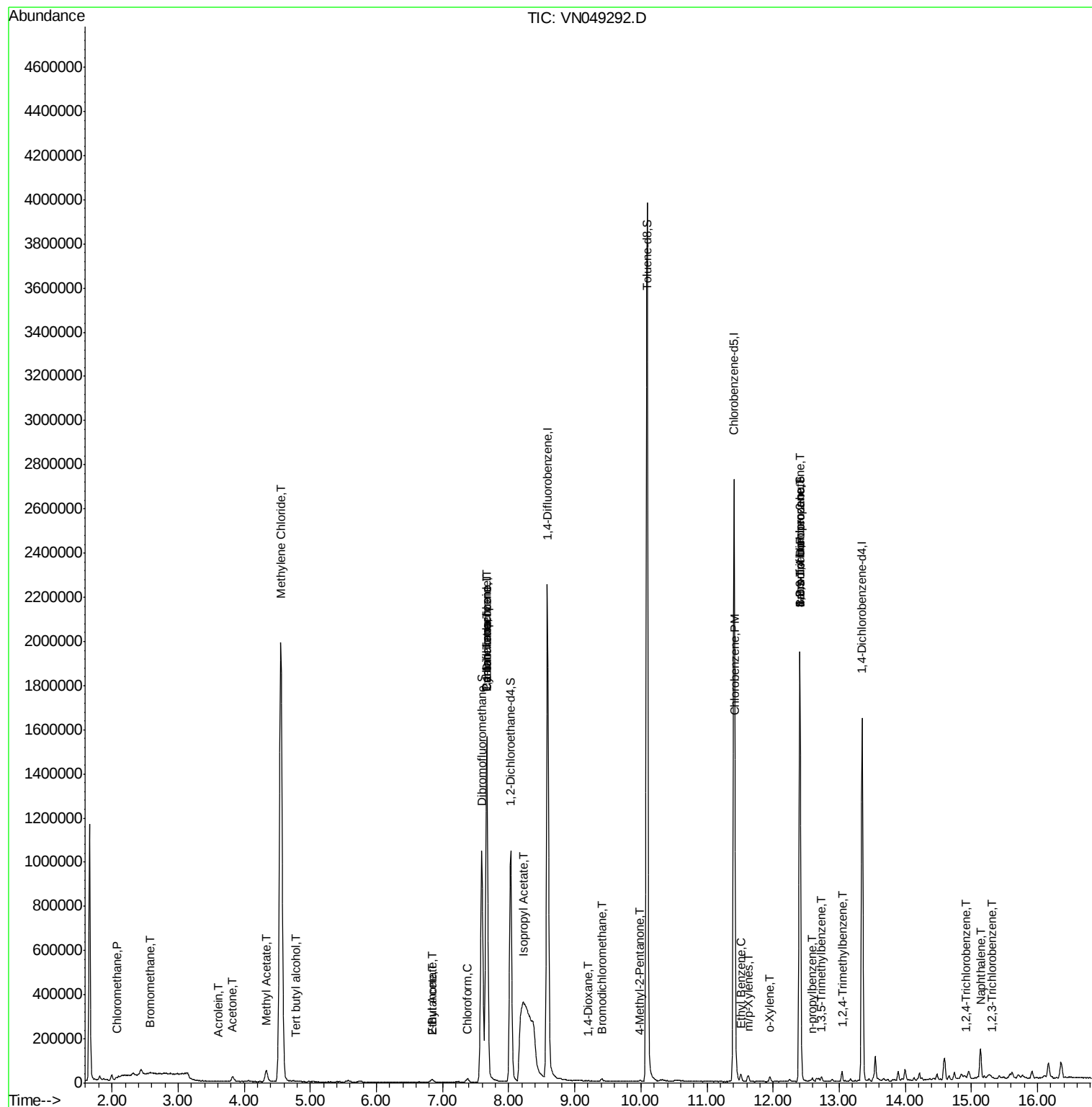
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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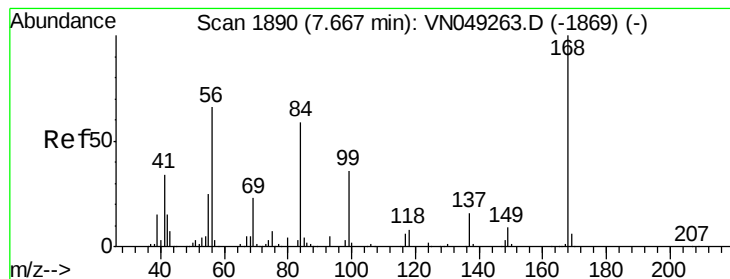
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

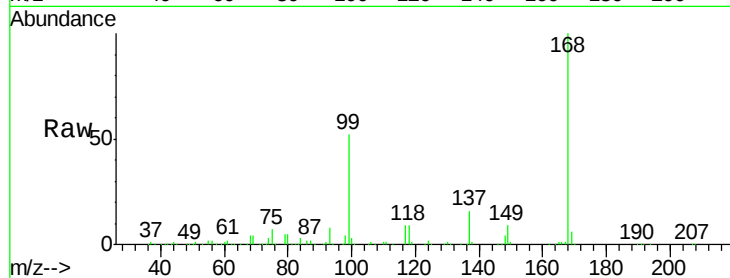
ClientSampleId :

Tot Ion:168 Resp: 1340681

Ion Ratio Lower Upper

168 100

99 51.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

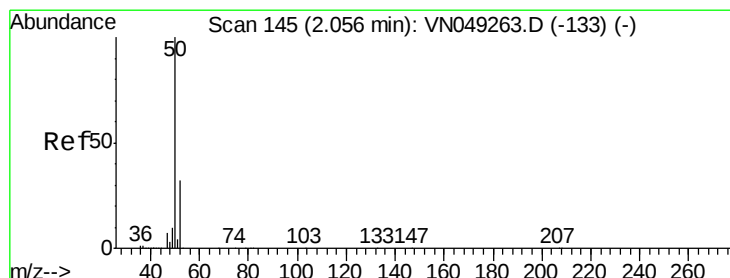
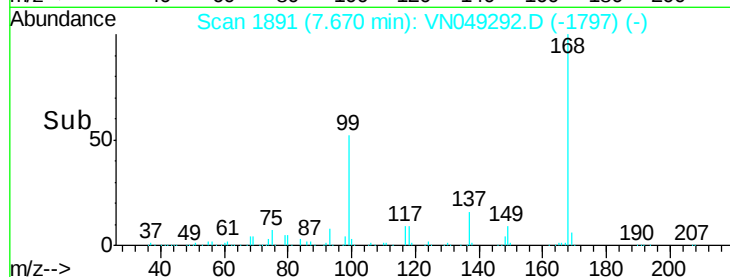
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049292.D

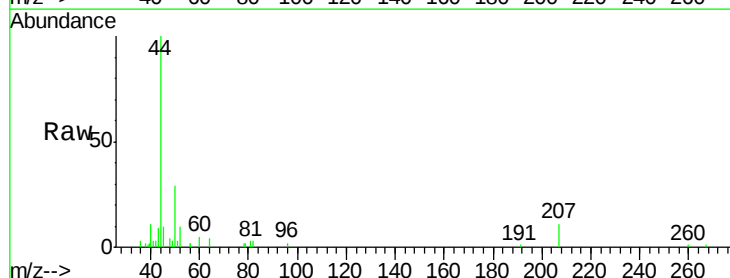
Acq: 16 Jun 2018 6:26

Tgt Ion: 50 Resp: 4150

Ion Ratio Lower Upper

50 100

52 26.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

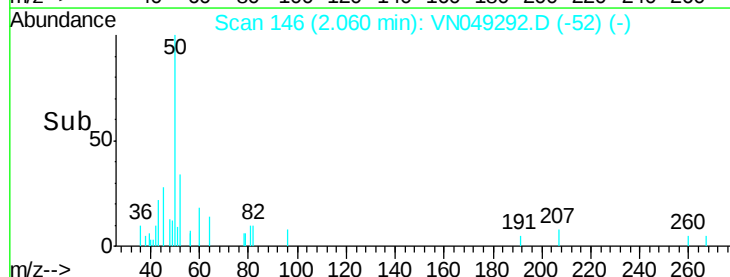
3000

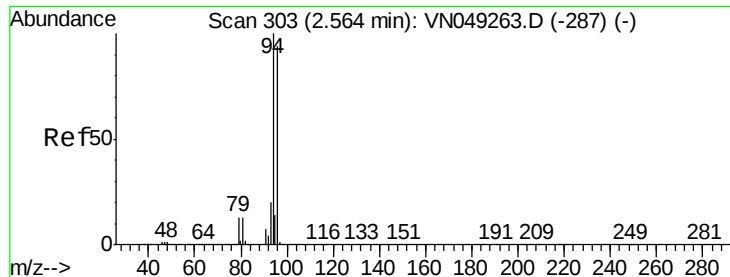
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.45 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

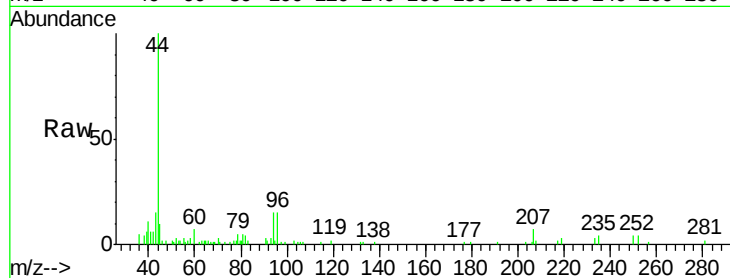
ClientSampled :

Tot Ion: 94 Resp: 5054

Ion Ratio Lower Upper

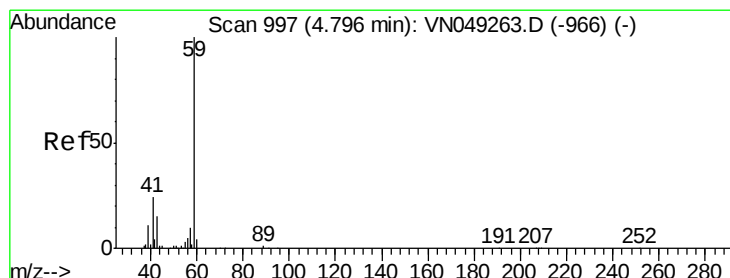
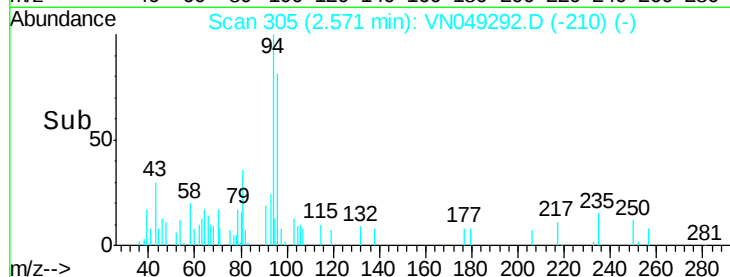
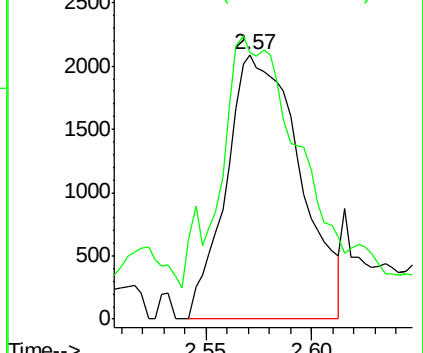
94 100

96 70.6 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.23 ug/l

RT: 4.80 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN049292.D

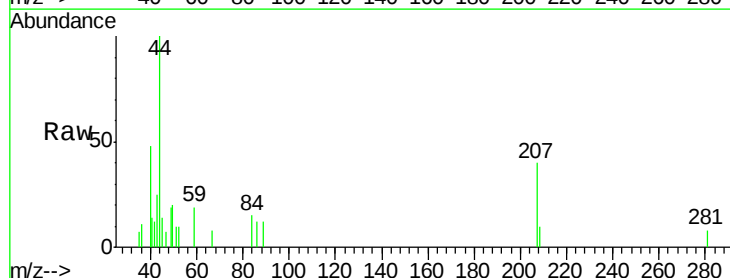
Acq: 16 Jun 2018 6:26

Tgt Ion: 59 Resp: 242

Ion Ratio Lower Upper

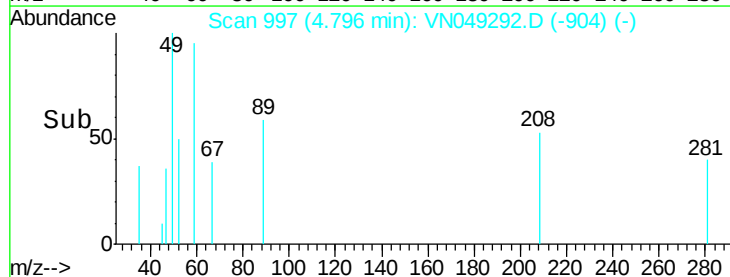
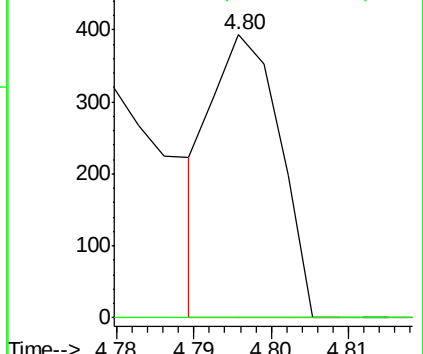
59 100

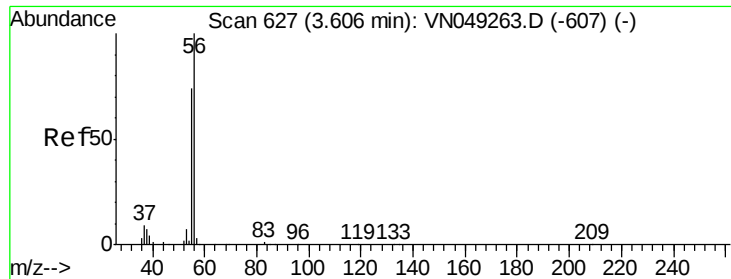
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.25 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

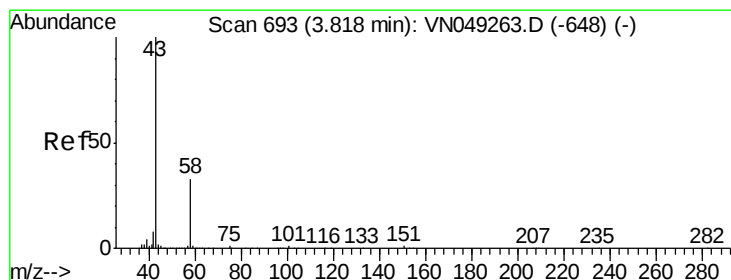
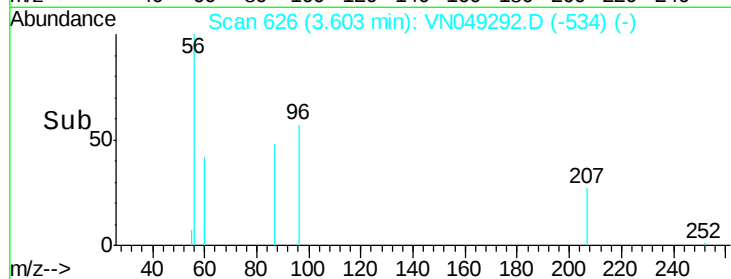
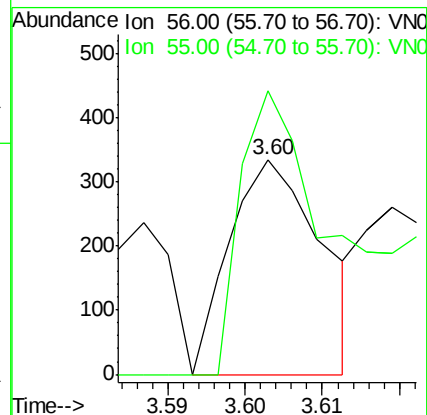
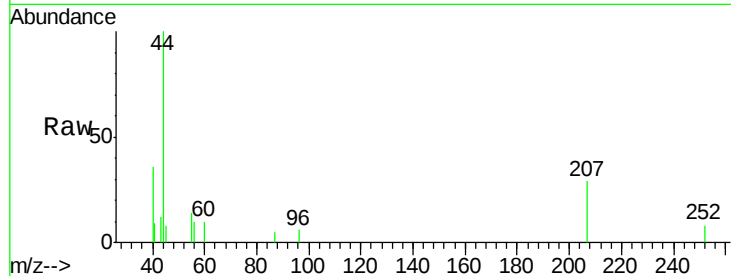
ClientSampled :

Tot Ion: 56 Resp: 277

Ion Ratio Lower Upper

56 100

55 135.4 57.1 85.7#



#16

Acetone

Concen: 8.56 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049292.D

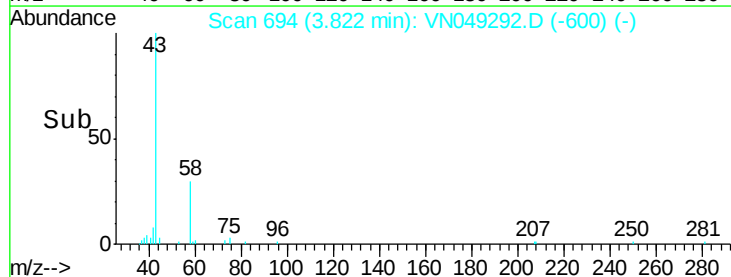
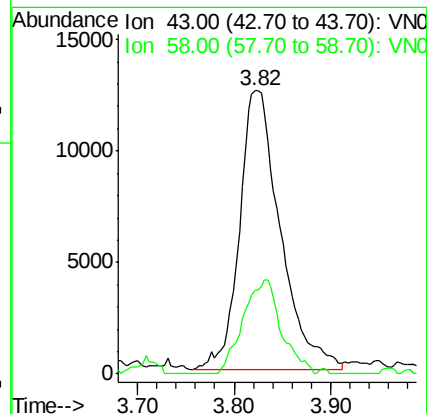
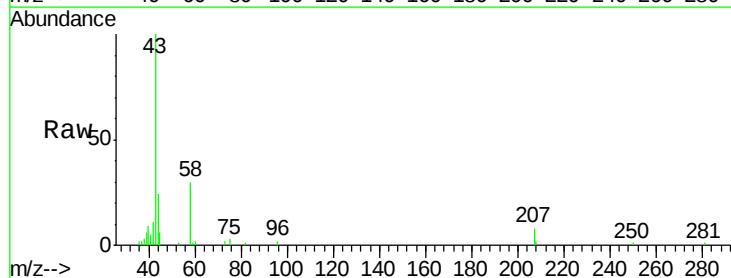
Acq: 16 Jun 2018 6:26

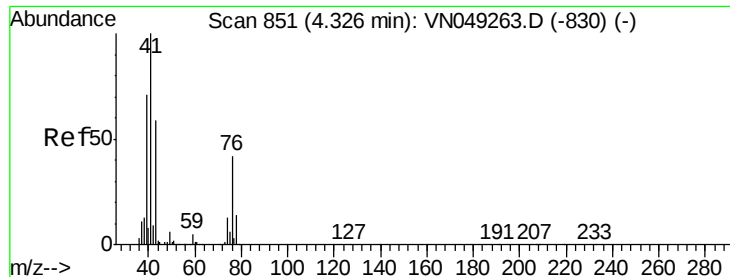
Tgt Ion: 43 Resp: 36979

Ion Ratio Lower Upper

43 100

58 30.0 22.4 33.6

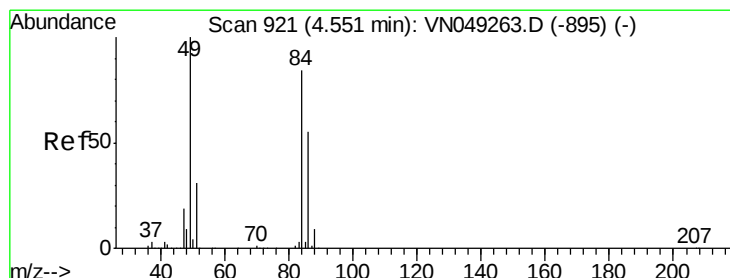
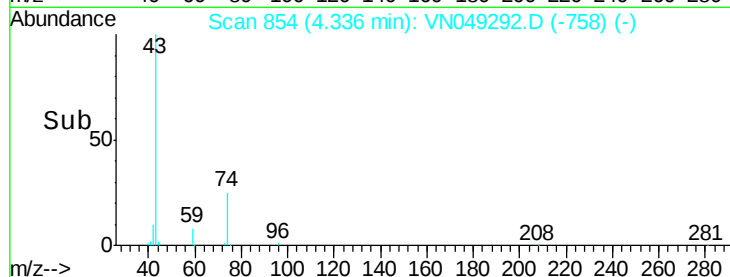
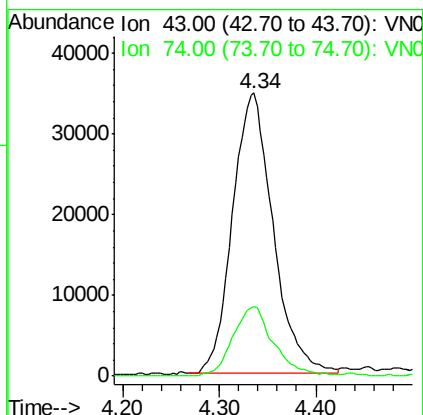
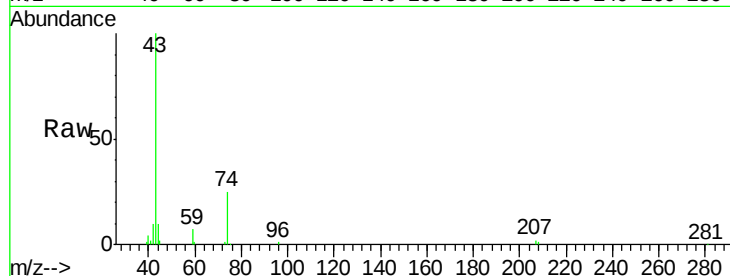




#18
Methvl Acetate
Concen: 7.68 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

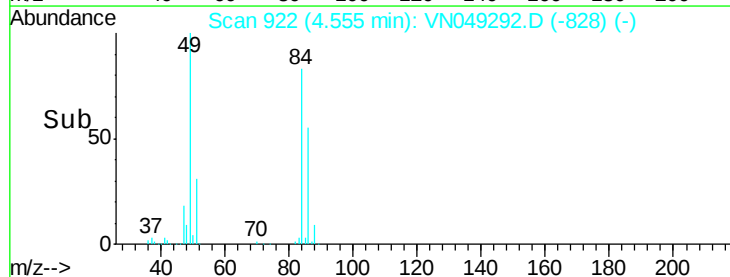
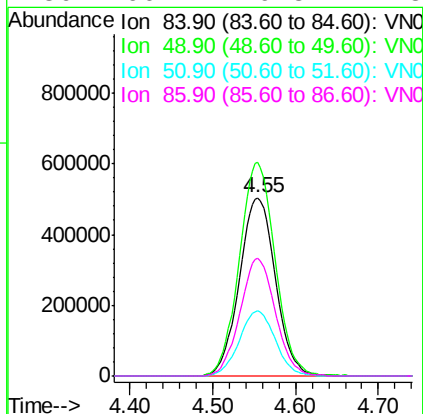
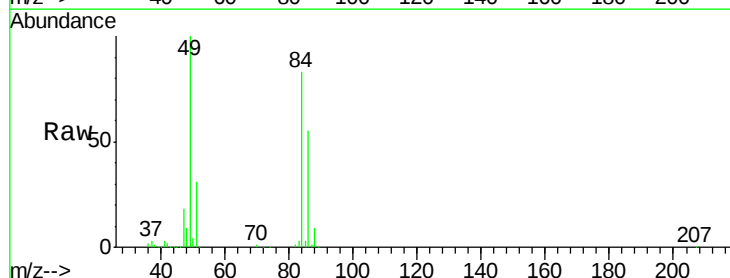
Instrument :
MSVOA_N
ClientSampleId :

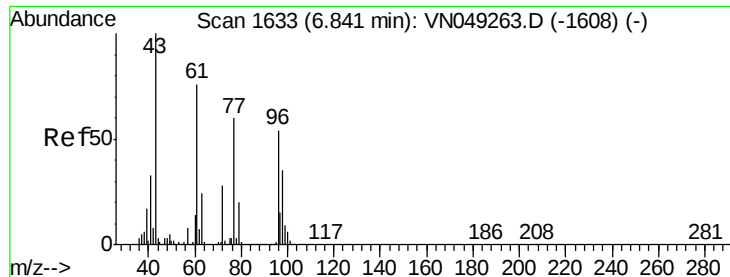
Tot Ion: 43 Resp: 101046
Ion Ratio Lower Upper
43 100
74 24.8 17.4 26.0



#20
Methylene Chloride
Concen: 84.52 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Tgt Ion: 84 Resp: 1524059
Ion Ratio Lower Upper
84 100
49 119.8 106.9 160.3
51 36.7 32.7 49.1
86 66.2 49.8 74.8

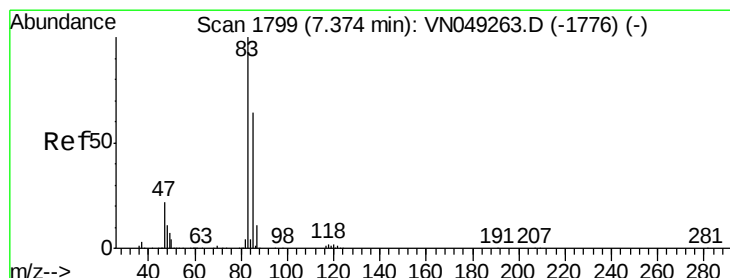
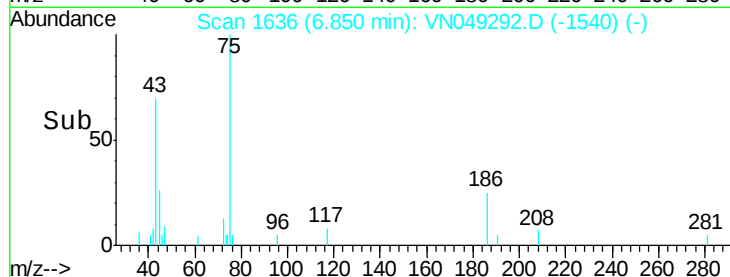
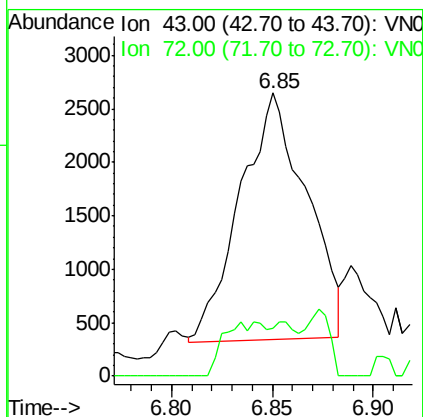
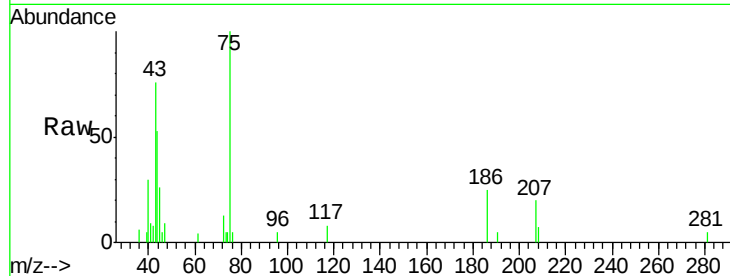




#25
2-Butanone
Concen: 0.91 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

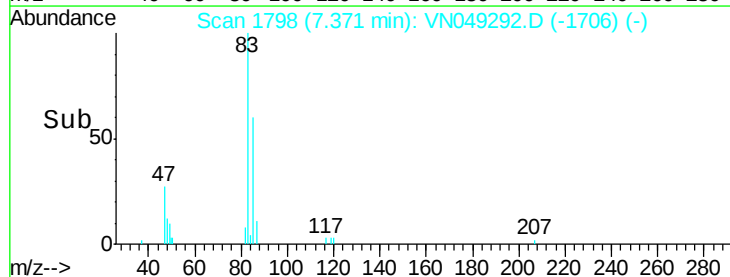
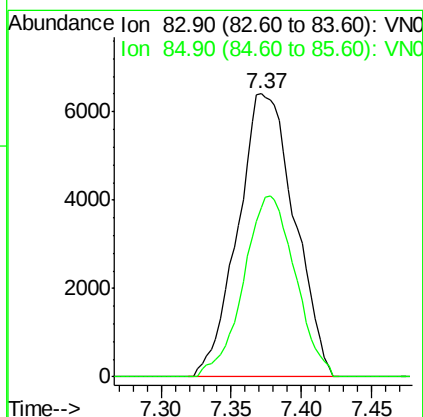
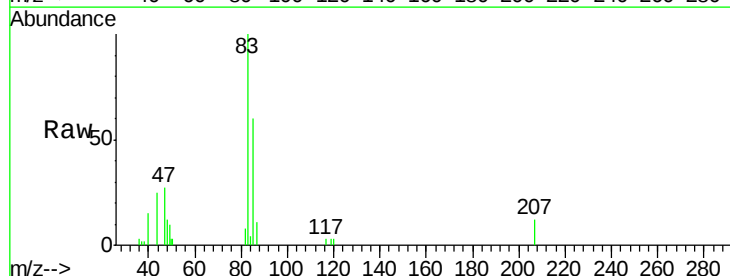
Instrument :
MSVOA_N
ClientSampled :

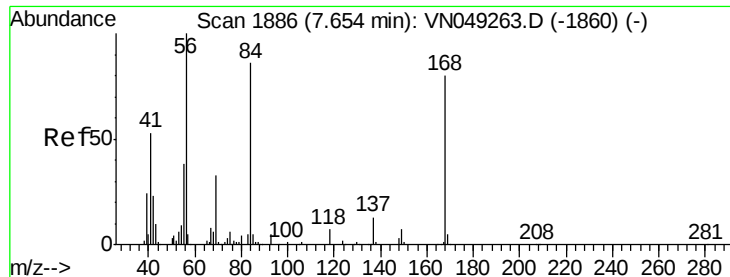
Tot Ion: 43 Resp: 5270
Ion Ratio Lower Upper
43 100
72 19.8 20.2 30.2#



#30
Chloroform
Concen: 0.58 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Tgt Ion: 83 Resp: 17941
Ion Ratio Lower Upper
83 100
85 60.0 51.7 77.5

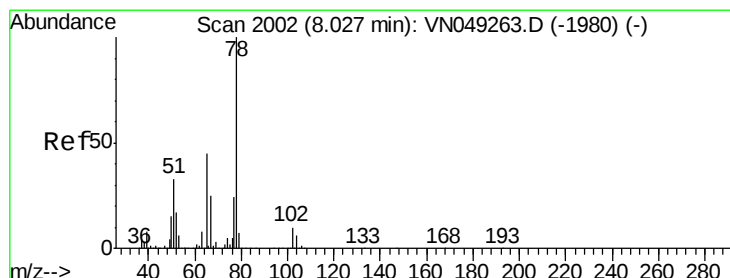
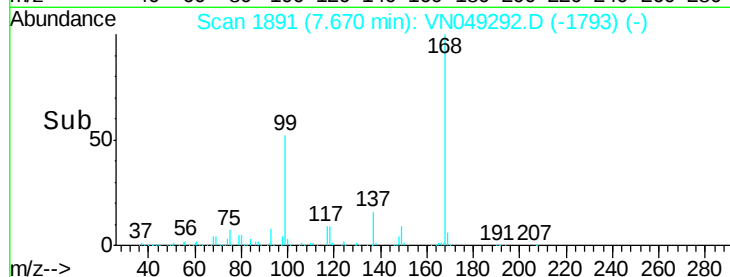
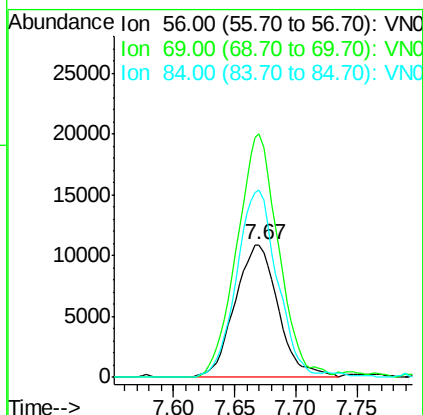
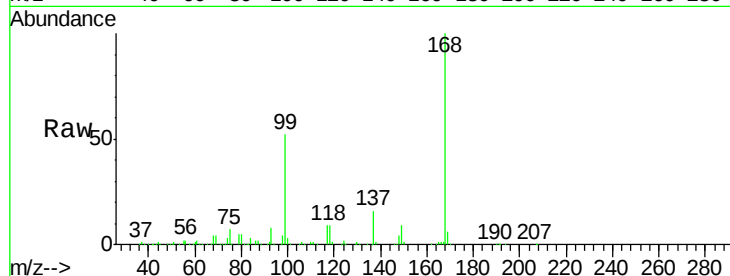




#31
Cyclohexane
Concen: 0.84 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

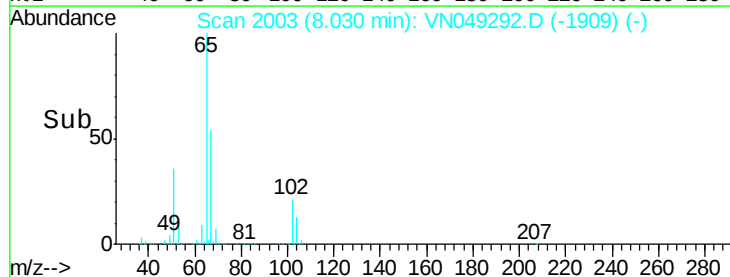
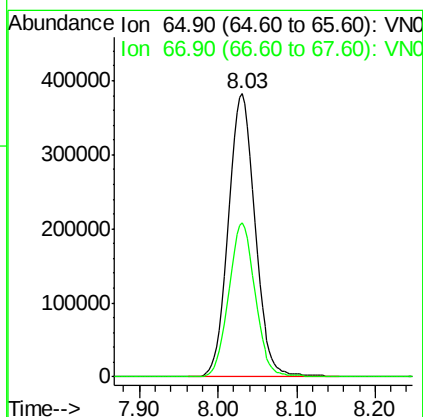
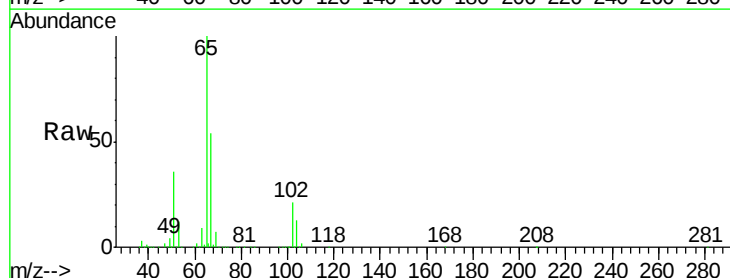
Instrument :
MSVOA_N
ClientSampled :

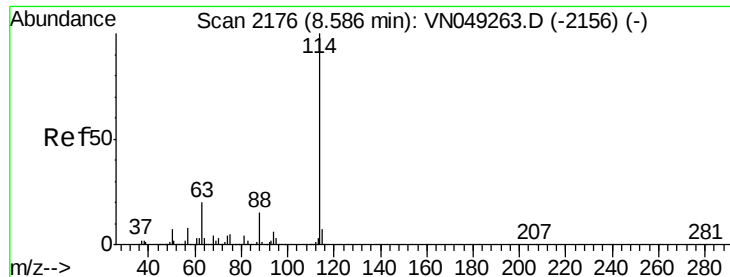
Tot Ion: 56 Resp: 26744
Ion Ratio Lower Upper
56 100
69 183.7 25.0 37.4#
84 141.2 64.6 96.8#



#33
1,2-Dichloroethane-d4
Concen: 50.71 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Tgt Ion: 65 Resp: 901804
Ion Ratio Lower Upper
65 100
67 53.9 0.0 103.8

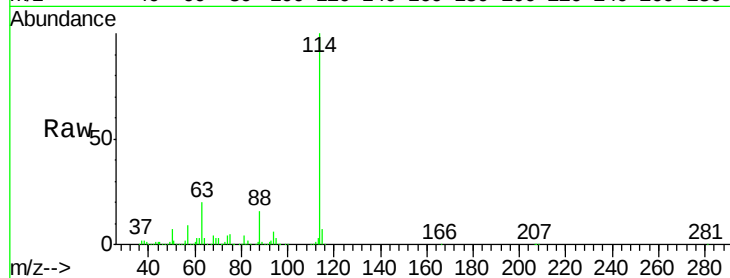




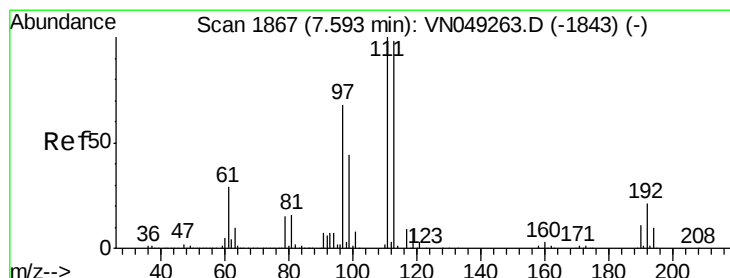
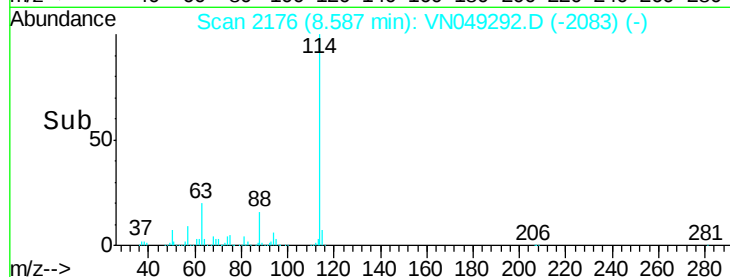
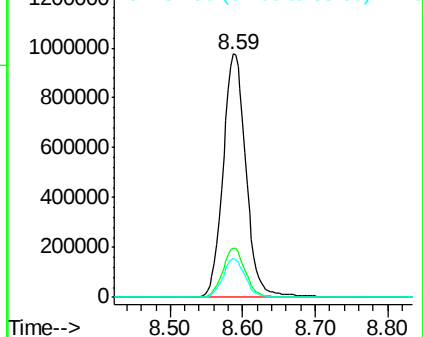
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049292.D
 Acq: 16 Jun 2018 6:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2142440
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 44.4
 88 15.7 0.0 31.4

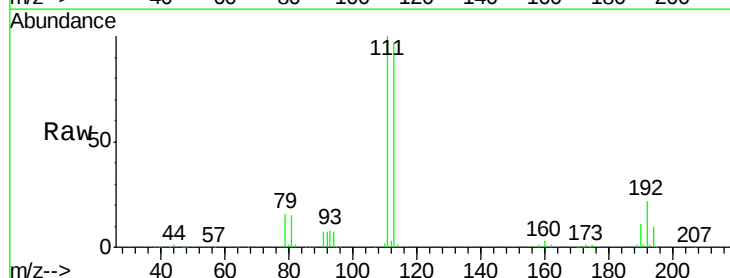


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

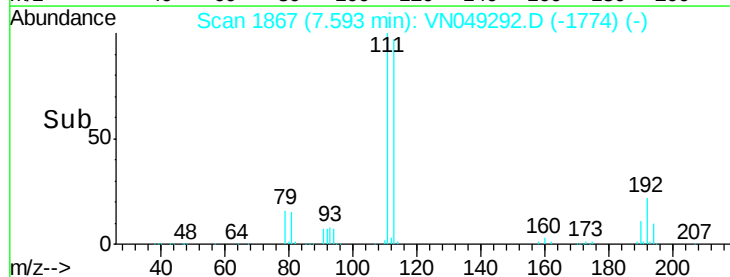
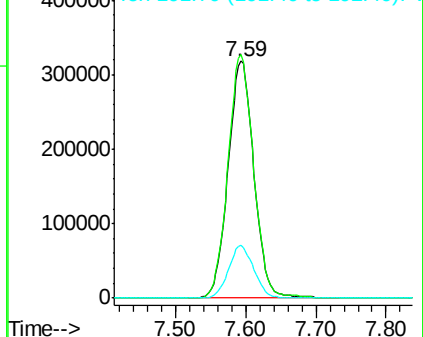


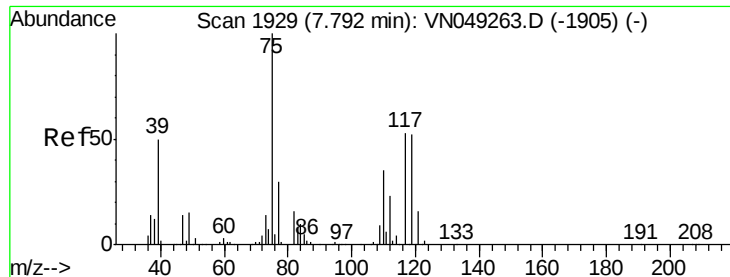
#35
 Dibromofluoromethane
 Concen: 47.08 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049292.D
 Acq: 16 Jun 2018 6:26

Tgt Ion:113 Resp: 816013
 Ion Ratio Lower Upper
 113 100
 111 102.0 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: 3.83 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

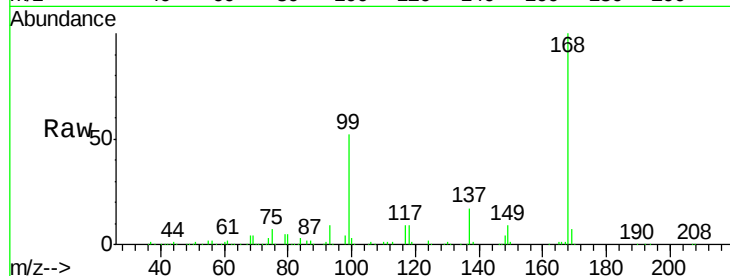
Tot Ion: 75 Resp: 94114

Ion Ratio Lower Upper

75 100

110 7.9 17.0 50.9#

77 0.0 24.4 36.6#

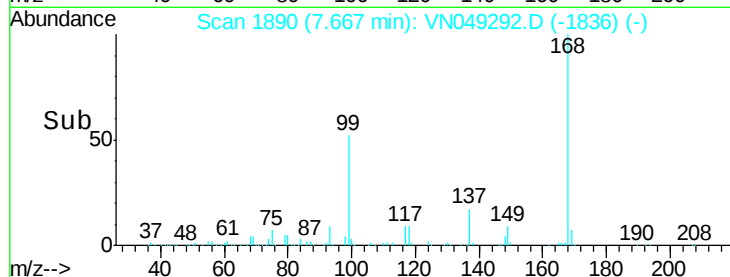


Abundance Ion 74.90 (74.60 to 75.60): VN049292.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049292.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049292.D (-1836) (-)

Time-->



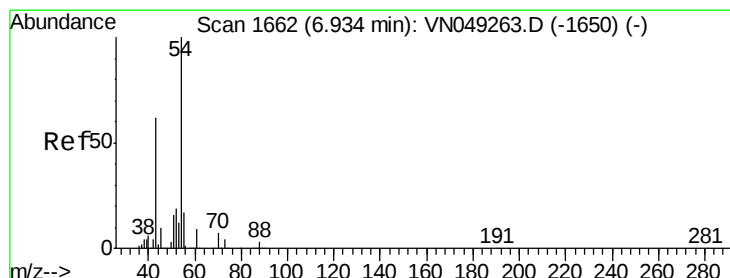
Abundance

Ion 74.90 (74.60 to 75.60): VN049292.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049292.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049292.D (-1836) (-)

Time-->



#37

Ethyl Acetate

Concen: 0.39 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. -0.08 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

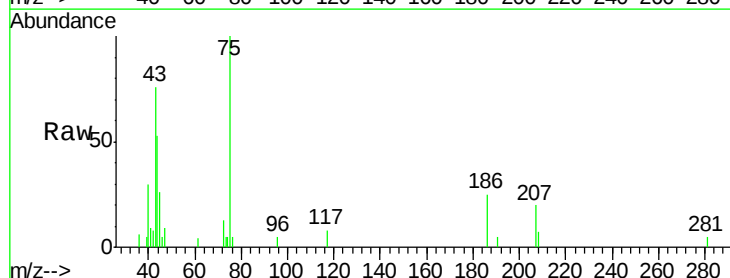
Tgt Ion: 43 Resp: 5270

Ion Ratio Lower Upper

43 100

61 2.4 11.0 16.4#

70 0.0 7.2 10.8#

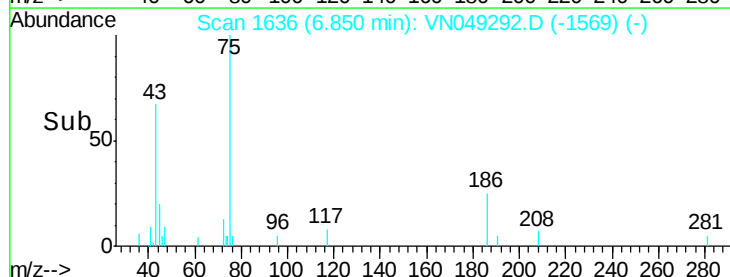


Abundance Ion 43.00 (42.70 to 43.70): VN049292.D (-1569) (-)

Ion 60.90 (60.60 to 61.60): VN049292.D (-1569) (-)

Ion 70.00 (69.70 to 70.70): VN049292.D (-1569) (-)

Time-->



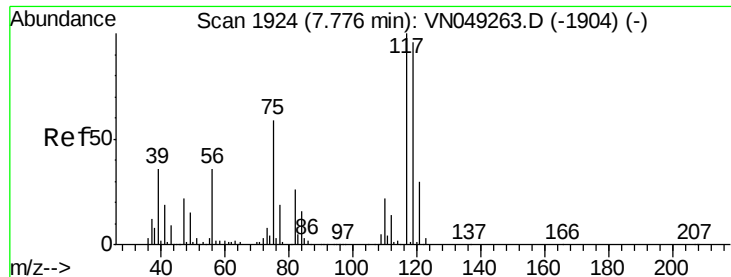
Abundance

Ion 43.00 (42.70 to 43.70): VN049292.D (-1569) (-)

Ion 60.90 (60.60 to 61.60): VN049292.D (-1569) (-)

Ion 70.00 (69.70 to 70.70): VN049292.D (-1569) (-)

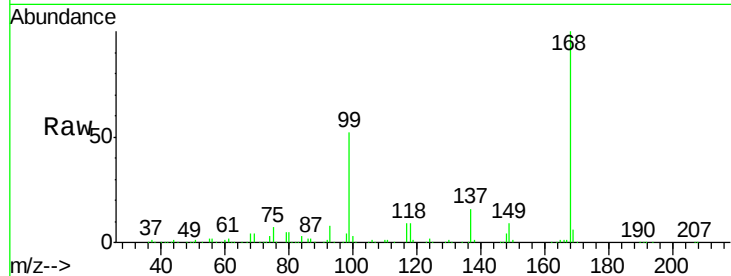
Time-->



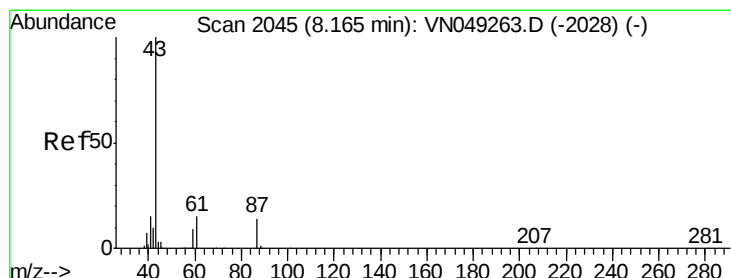
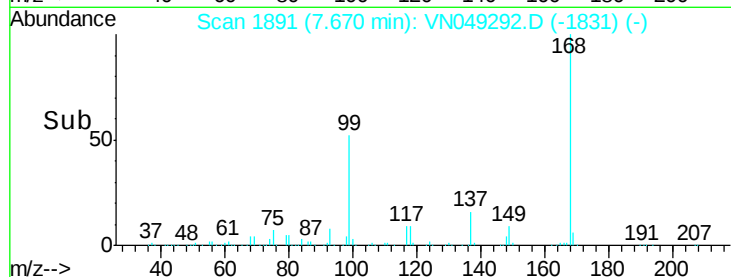
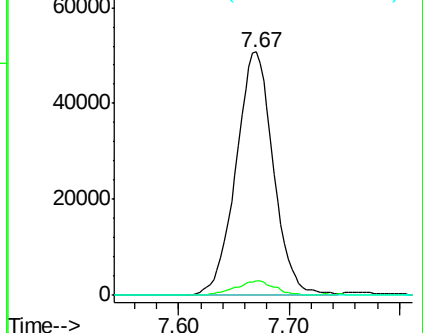
#38
Carbon Tetrachloride
Concen: 4.69 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 119106
Ion Ratio Lower Upper
117 100
119 6.0 75.6 113.4#
121 0.0 24.7 37.1#

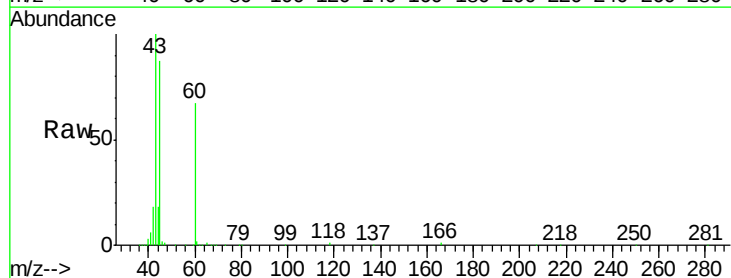


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

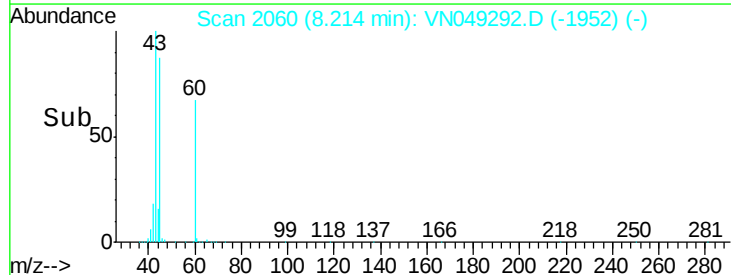
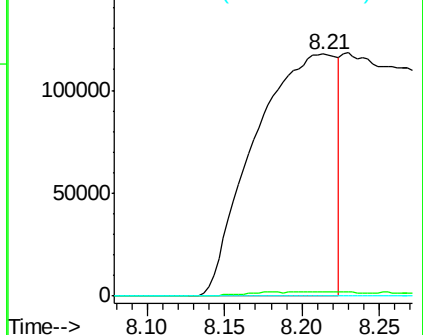


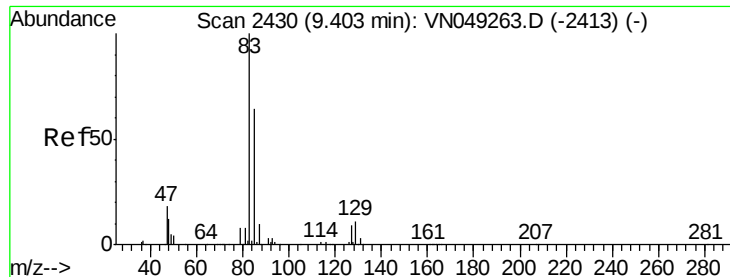
#43
Isopropyl Acetate
Concen: 16.87 ug/l
RT: 8.21 min Scan# 2060
Delta R.T. 0.05 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Tgt Ion: 43 Resp: 430351
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.24 ug/l

RT: 9.41 min Scan# 2432

Delta R.T. 0.01 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

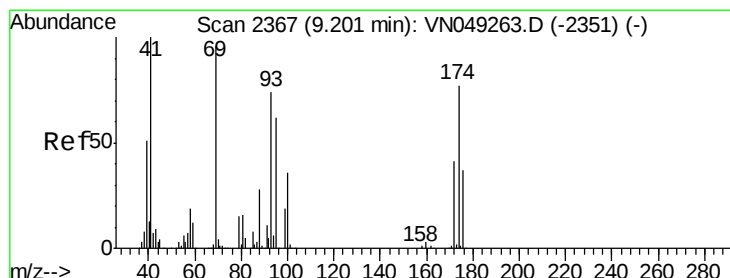
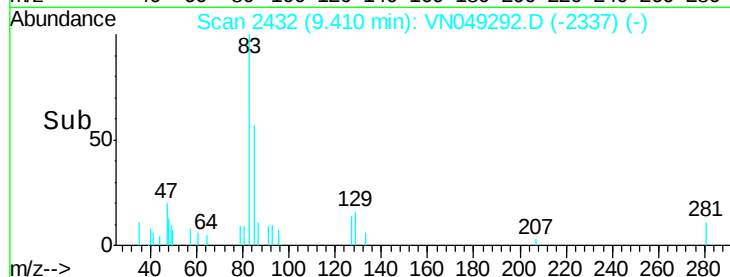
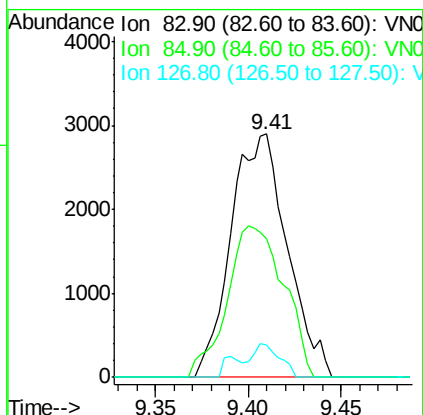
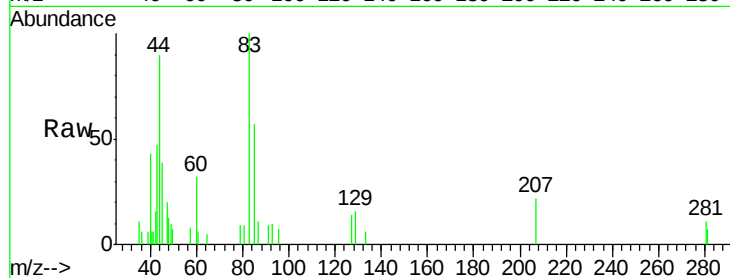
Tot Ion: 83 Resp: 6128

Ion Ratio Lower Upper

83 100

85 56.9 49.4 74.0

127 13.6 6.3 9.5#



#49

1,4-Dioxane

Concen: 0.36 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

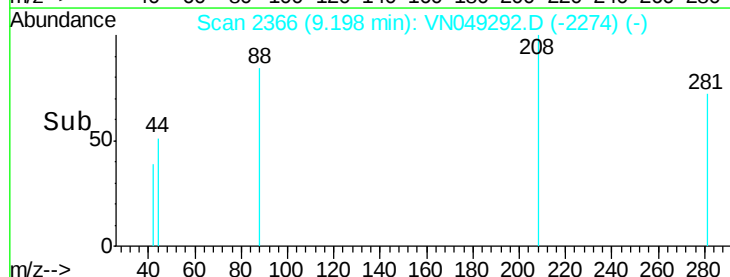
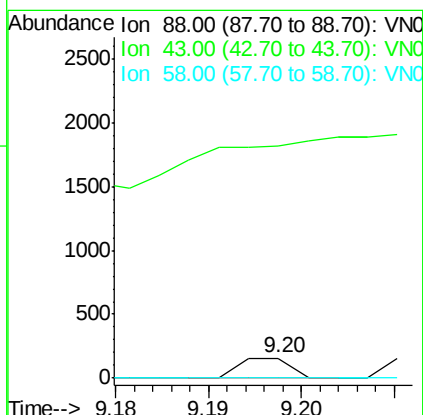
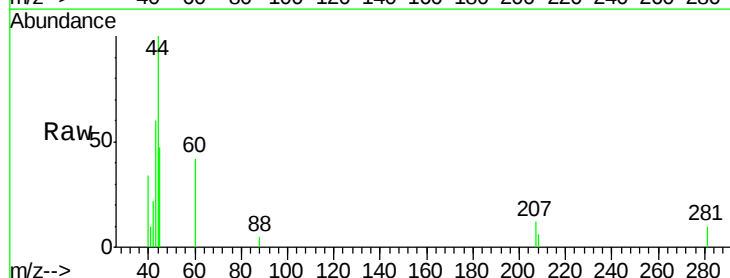
Tgt Ion: 88 Resp: 59

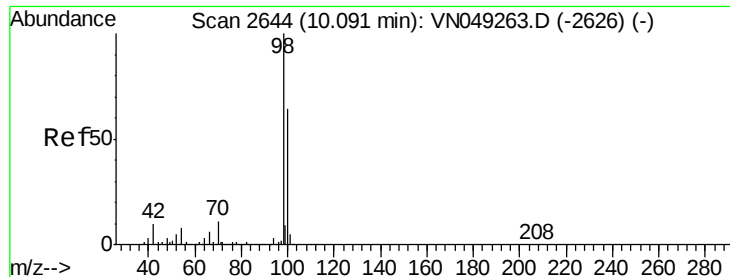
Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

58 0.0 58.9 88.3#





#50

Toluene-d8

Concen: 43.73 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

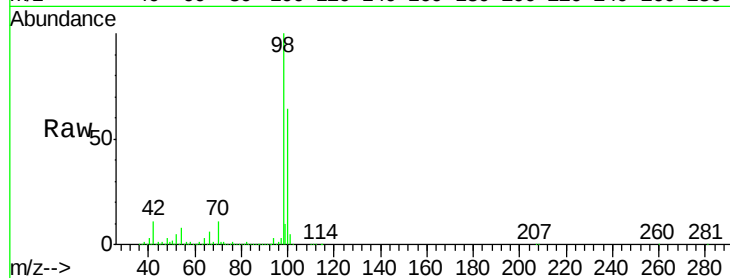
ClientSampleId :

Tot Ion: 98 Resp: 2886323

Ion Ratio Lower Upper

98 100

100 63.6 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

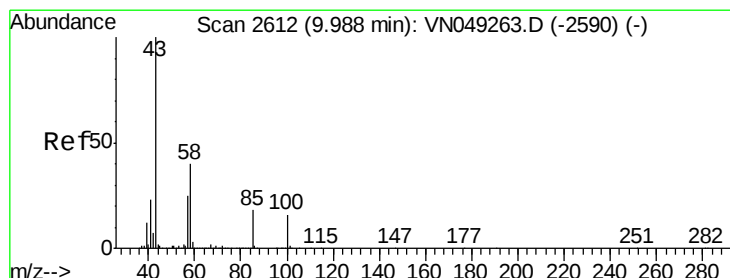
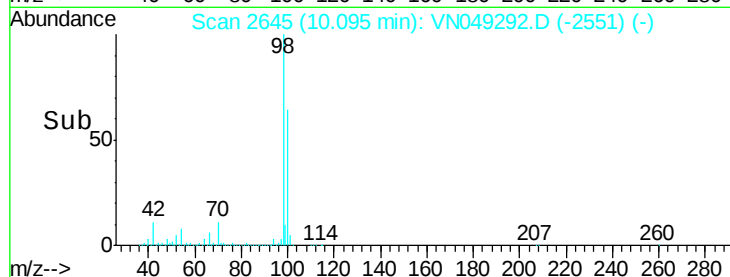
1000000

500000

0

Time-->

10.00 10.10 10.20 10.30



#51

4-Methyl-2-Pentanone

Concen: 0.30 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049292.D

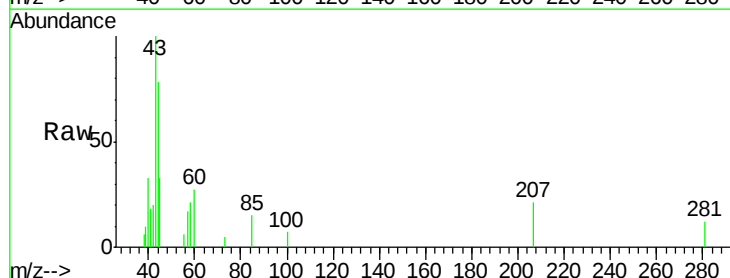
Acq: 16 Jun 2018 6:26

Tgt Ion: 43 Resp: 3955

Ion Ratio Lower Upper

43 100

58 38.3 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

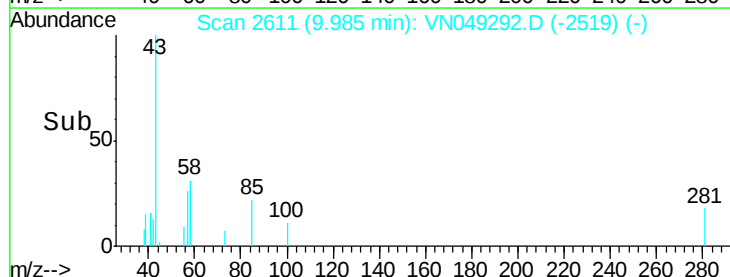
2000

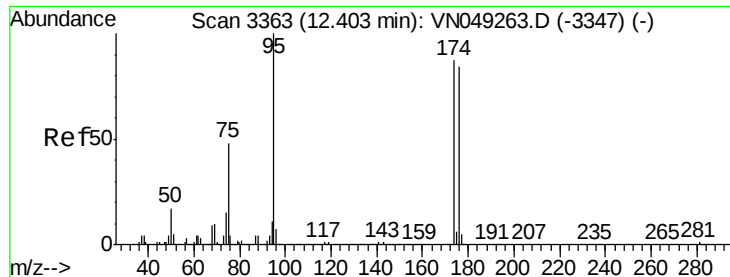
1000

0

Time-->

9.95 10.00





#62

4-Bromofluorobenzene

Concen: 31.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

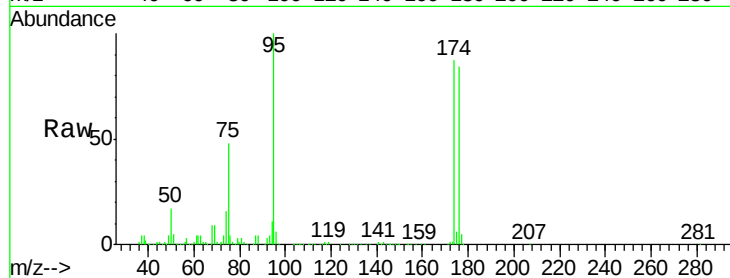
Tot Ion: 95 Resp: 687848

Ion Ratio Lower Upper

95 100

174 87.9 0.0 165.6

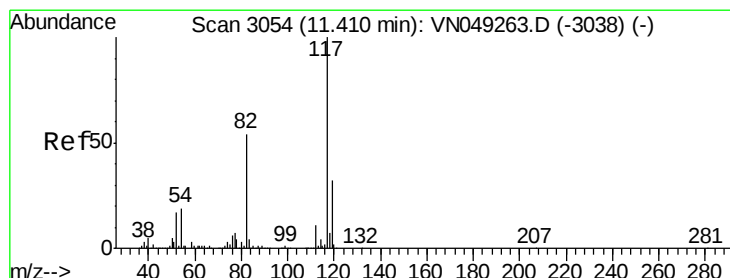
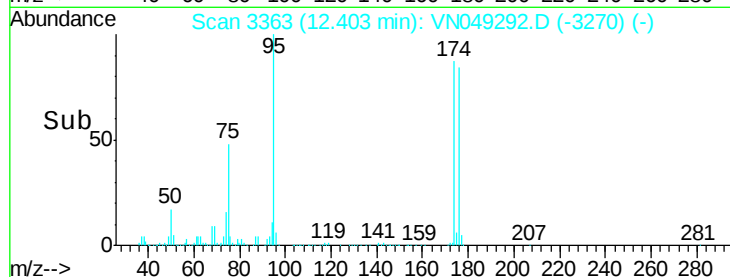
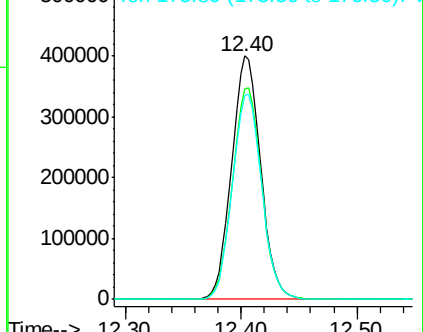
176 85.5 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049263.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049263.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

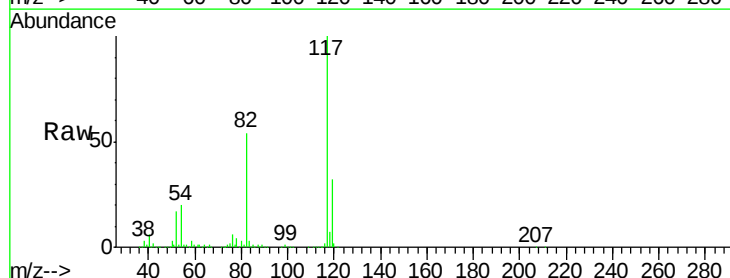
Tgt Ion: 117 Resp: 1675587

Ion Ratio Lower Upper

117 100

82 54.0 45.9 68.9

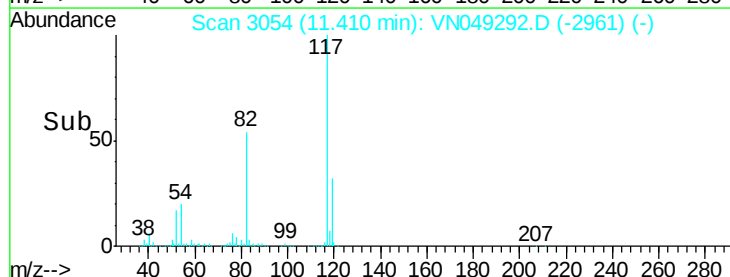
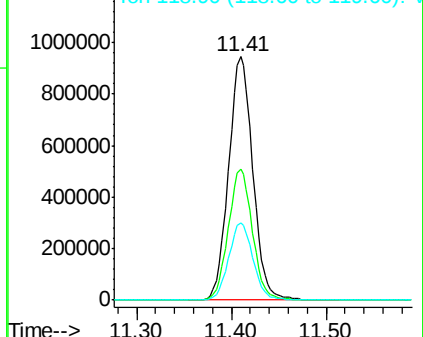
119 32.0 25.5 38.3

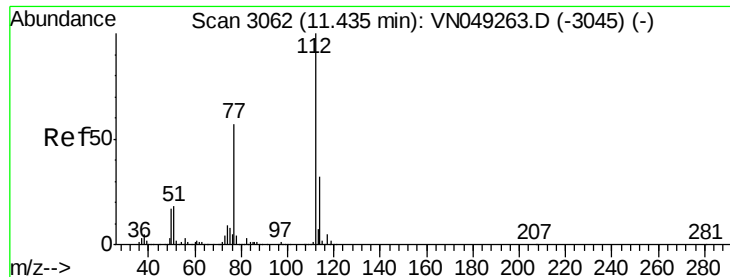


Abundance Ion 116.90 (116.60 to 117.60): VN049263.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049263.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049263.D (-3038) (-)





#65

Chlorobenzene

Concen: 0.43 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

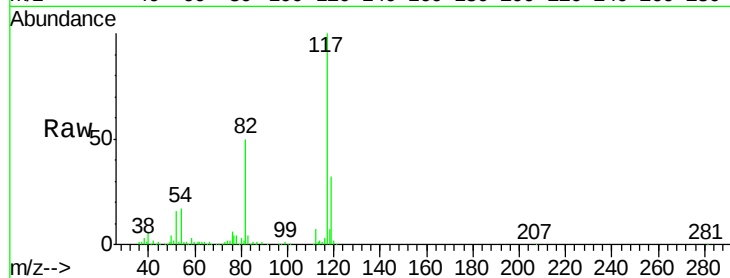
ClientSampled :

Tot Ion:112 Resp: 18654

Ion Ratio Lower Upper

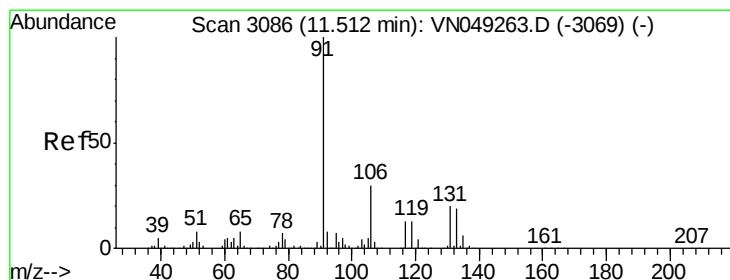
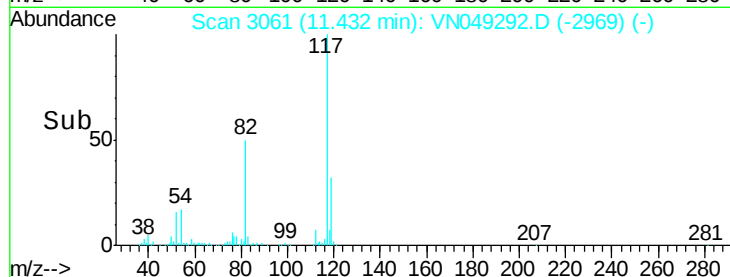
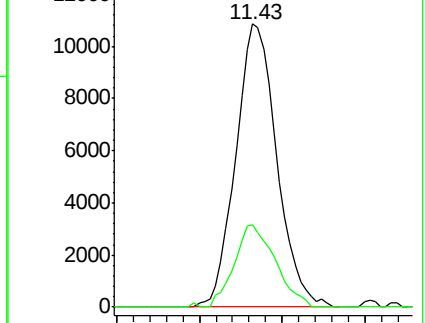
112 100

114 29.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.34 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049292.D

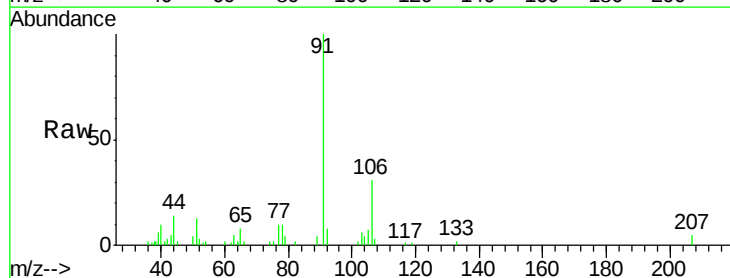
Acq: 16 Jun 2018 6:26

Tgt Ion: 91 Resp: 24576

Ion Ratio Lower Upper

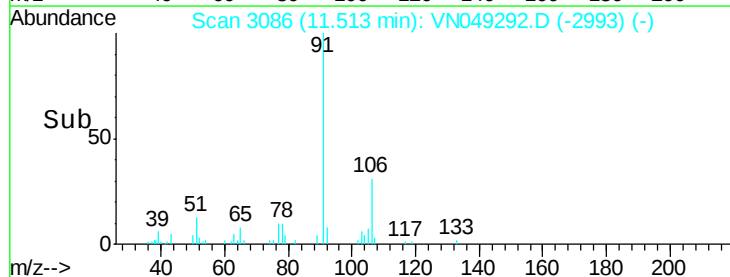
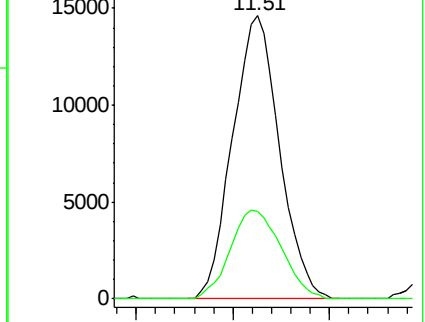
91 100

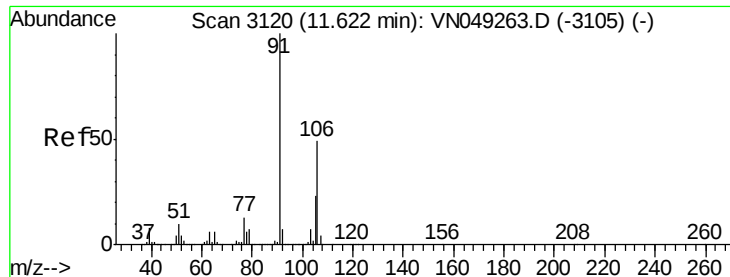
106 31.0 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

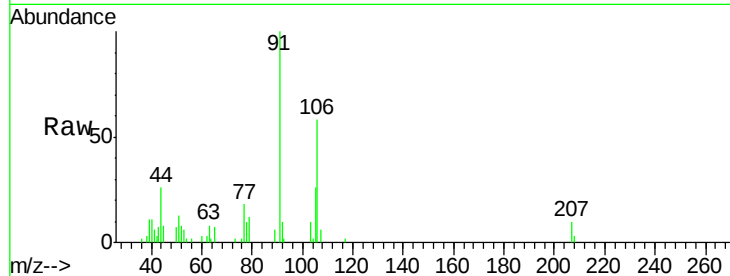




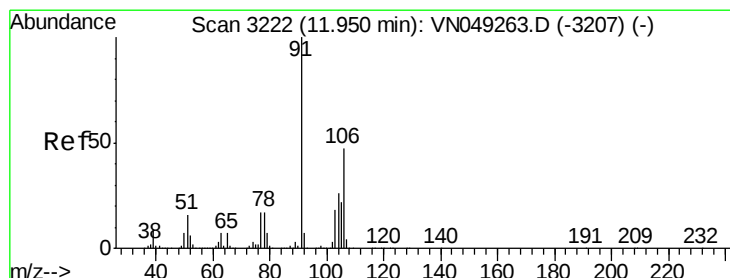
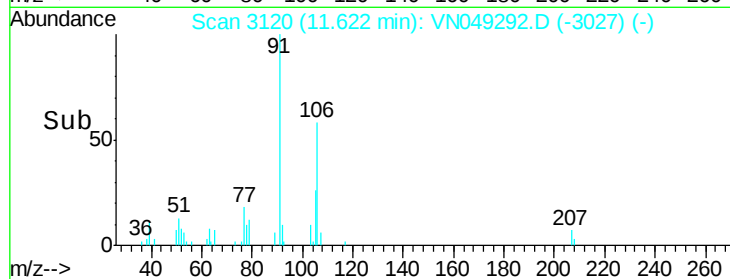
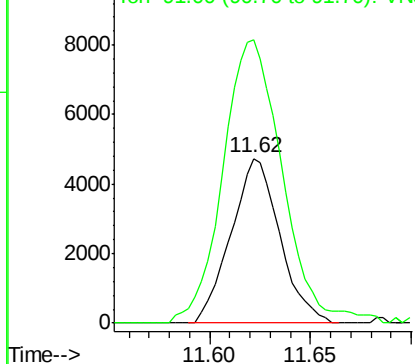
#68
m/p-Xvlenes
Concen: 0.30 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 7999
Ion Ratio Lower Upper
106 100
91 209.7 167.3 250.9

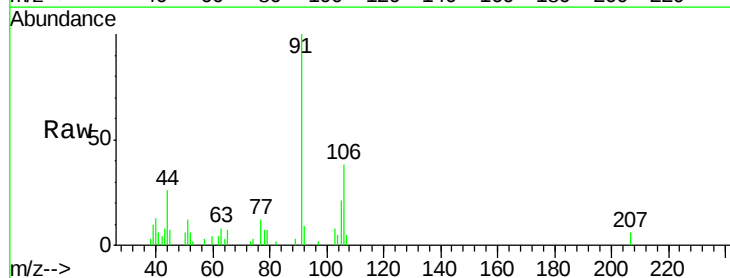


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

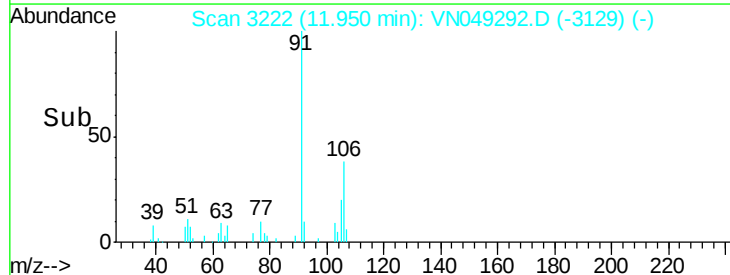
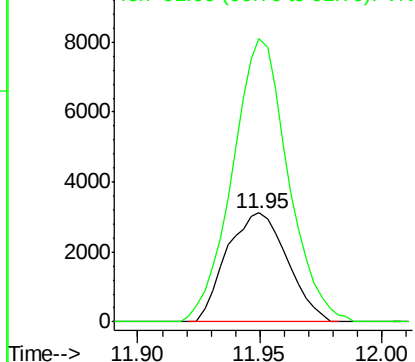


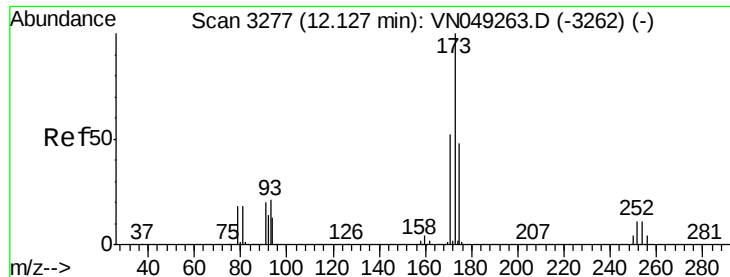
#69
o-Xylene
Concen: 0.21 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Tgt Ion:106 Resp: 5364
Ion Ratio Lower Upper
106 100
91 238.5 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

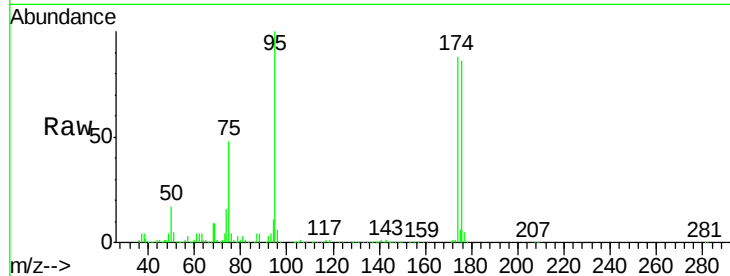




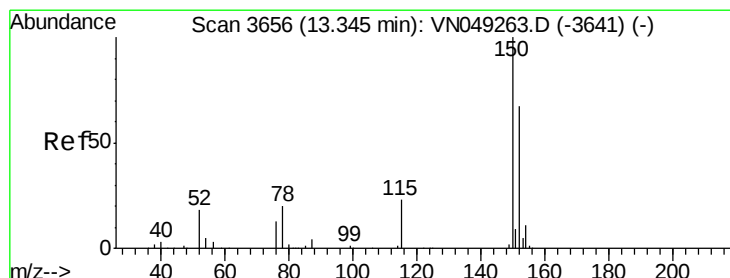
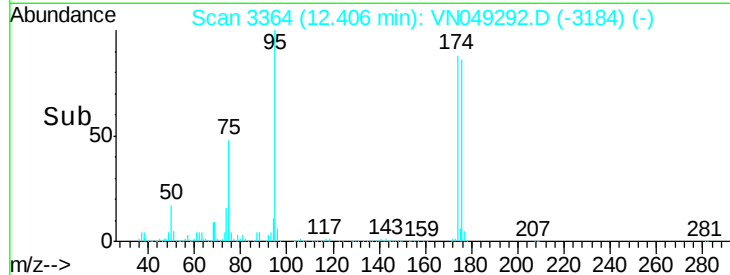
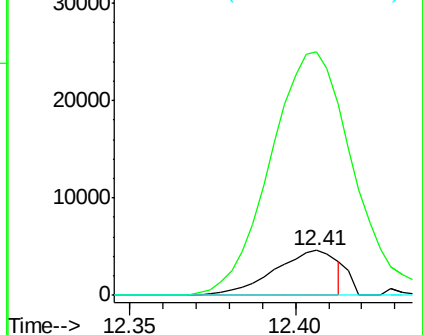
#71
Bromoform
Concen: 0.57 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 6015
Ion Ratio Lower Upper
173 100
175 572.8 24.5 73.5#
254 0.0 0.1 0.1#

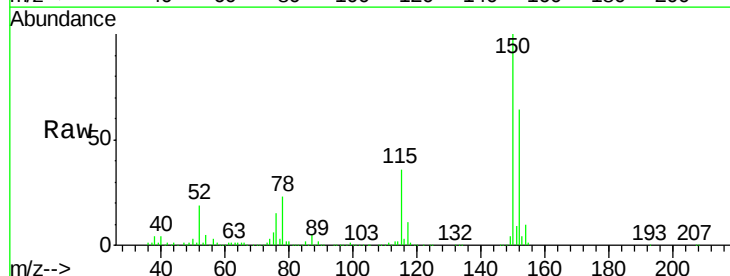


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

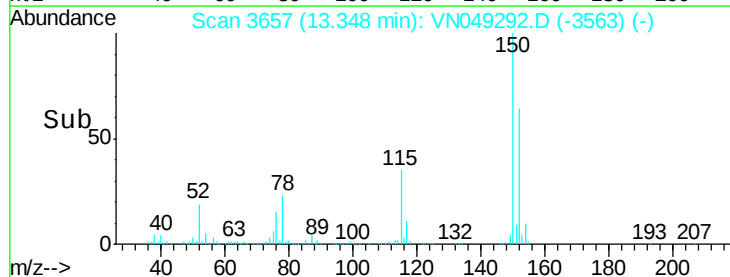
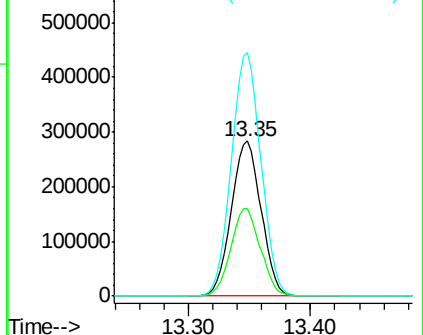


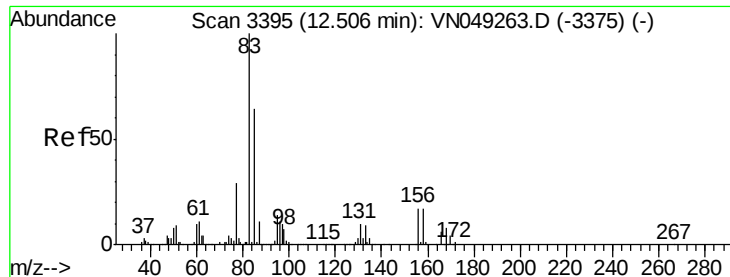
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Tgt Ion:152 Resp: 481066
Ion Ratio Lower Upper
152 100
115 56.1 28.7 86.1
150 156.1 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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.56 min Scan# 3411

Delta R.T. 0.05 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampled :

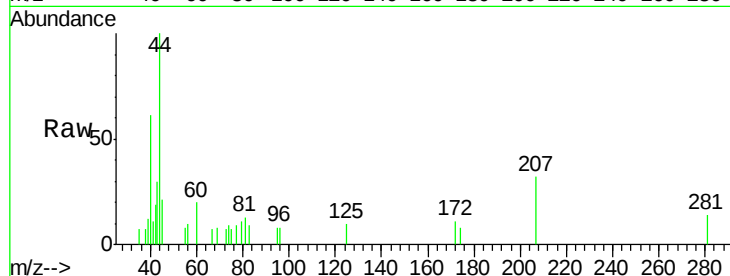
Tot Ion: 83 Resp: 175

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

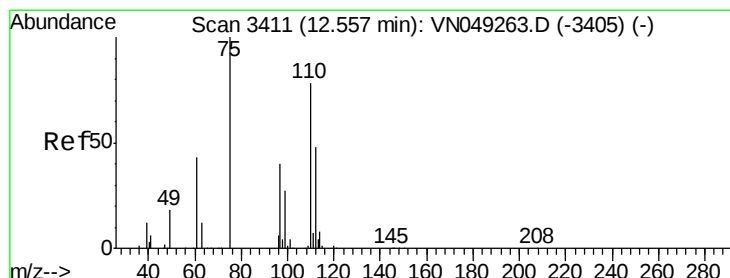
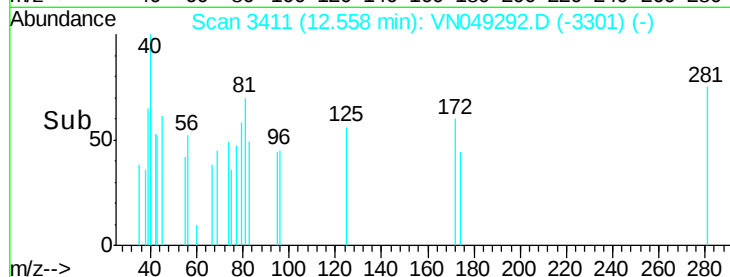
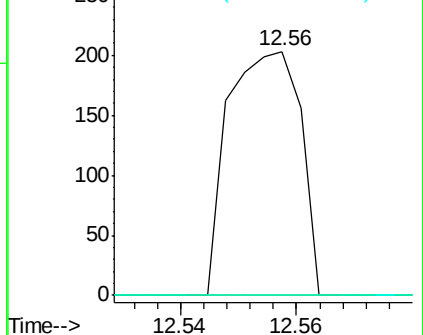
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 40.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049292.D

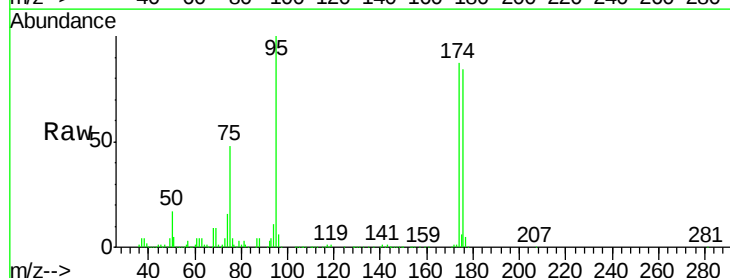
Acq: 16 Jun 2018 6:26

Tgt Ion: 75 Resp: 330130

Ion Ratio Lower Upper

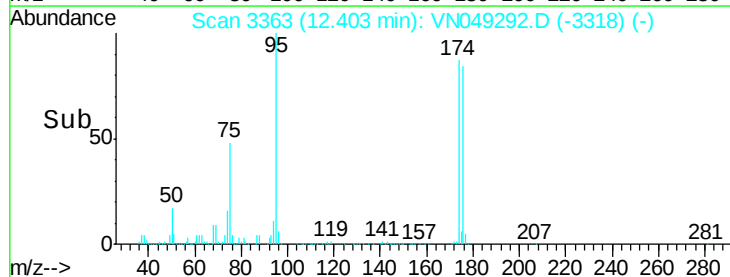
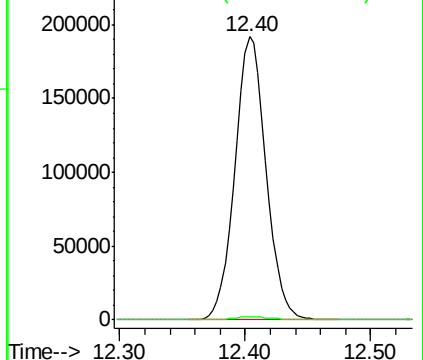
75 100

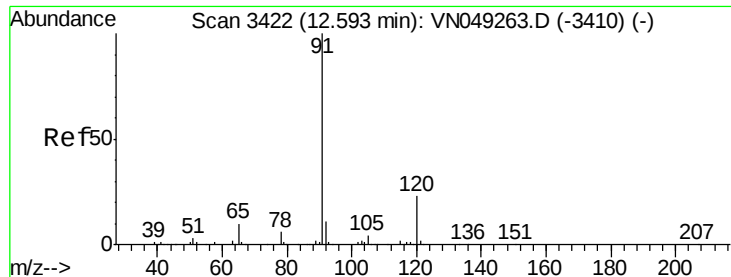
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 0.26 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

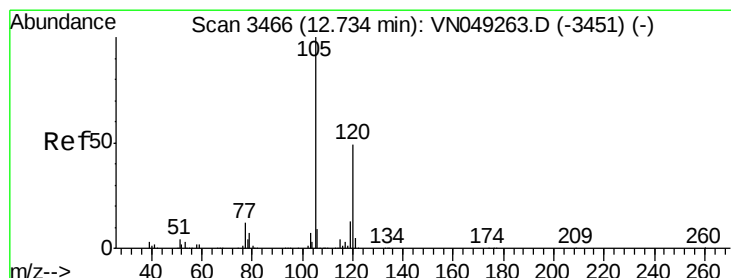
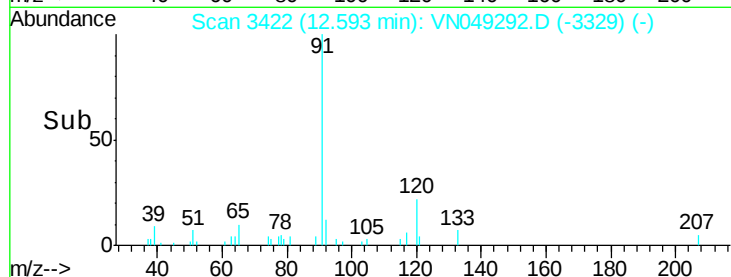
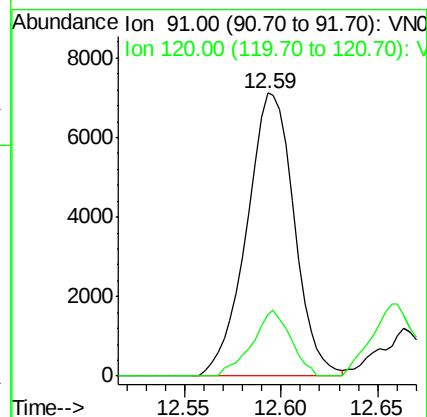
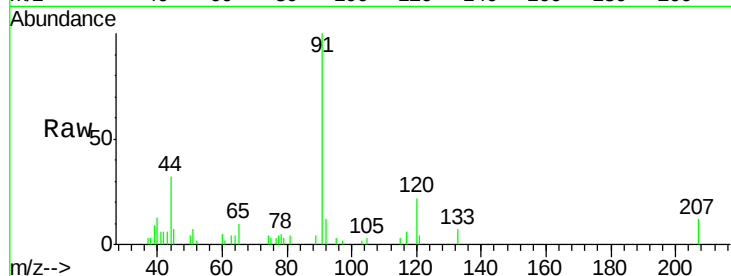
ClientSampleId :

Tot Ion: 91 Resp: 12167

Ion Ratio Lower Upper

91 100

120 19.0 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 0.22 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049292.D

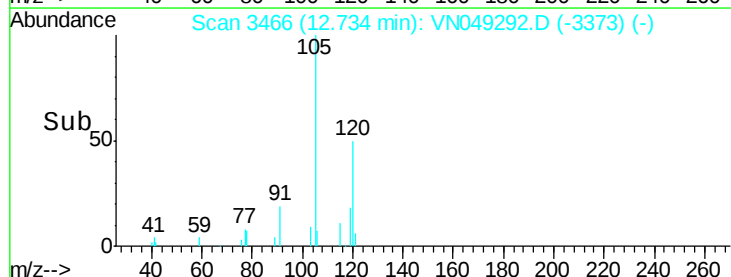
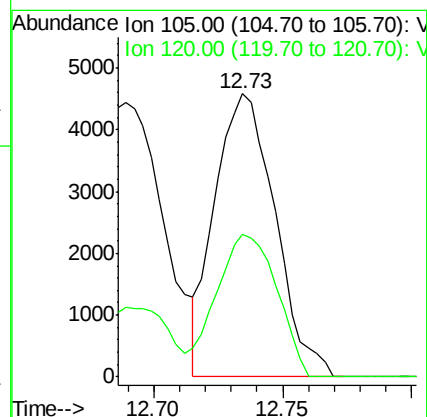
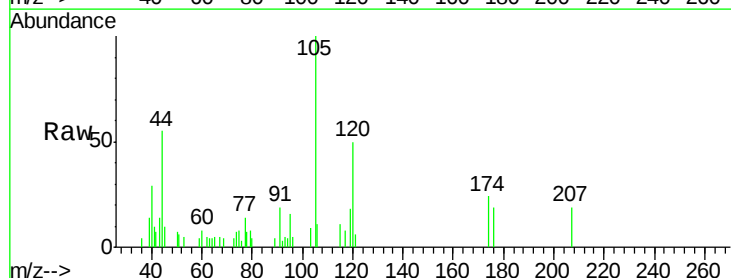
Acq: 16 Jun 2018 6:26

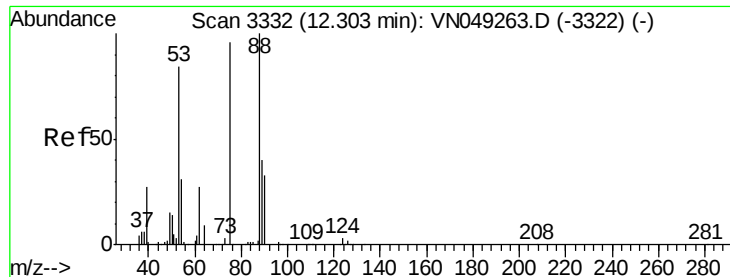
Tgt Ion: 105 Resp: 7424

Ion Ratio Lower Upper

105 100

120 51.0 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 127.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampled :

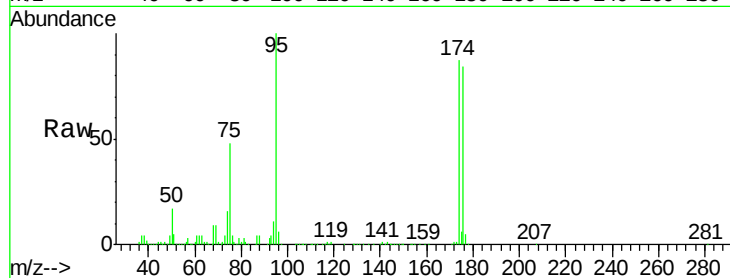
Tot Ion: 75 Resp: 330130

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

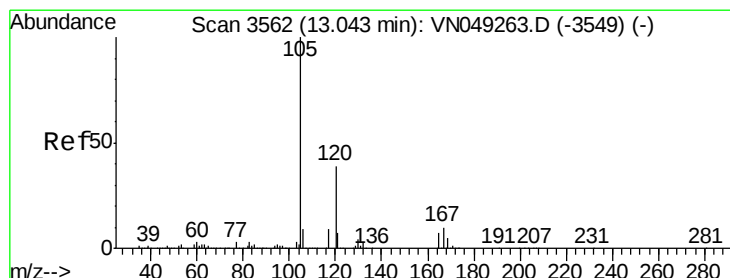
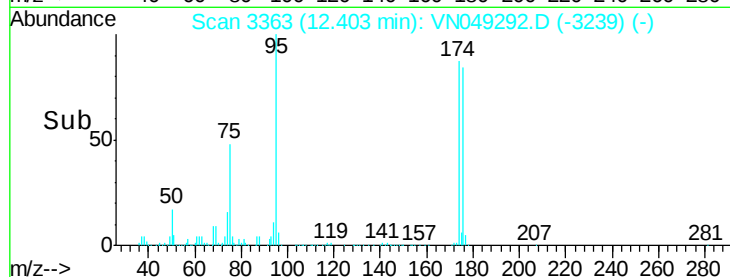
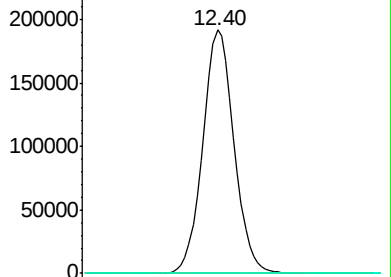
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049292.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049292.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049292.D (-3363) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.74 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049292.D

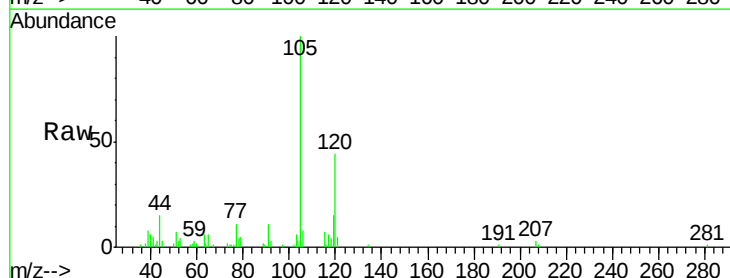
Acq: 16 Jun 2018 6:26

Tgt Ion: 105 Resp: 24431

Ion Ratio Lower Upper

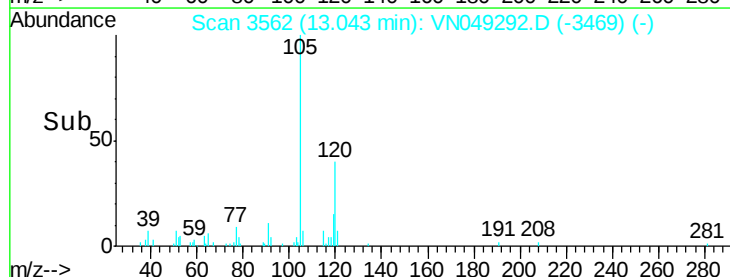
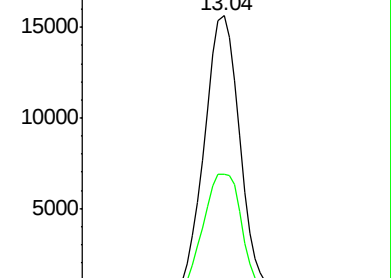
105 100

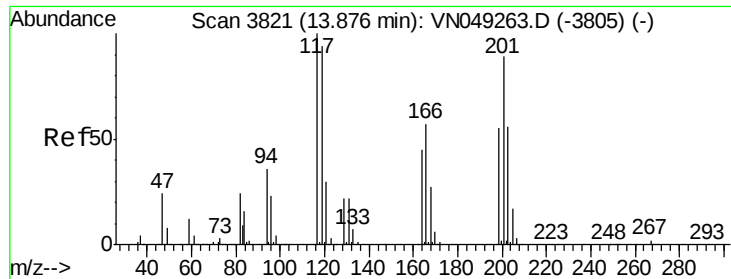
120 47.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049292.D (-3562) (-)

Ion 120.00 (119.70 to 120.70): VN049292.D (-3562) (-)





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

Instrument :

MSVOA_N

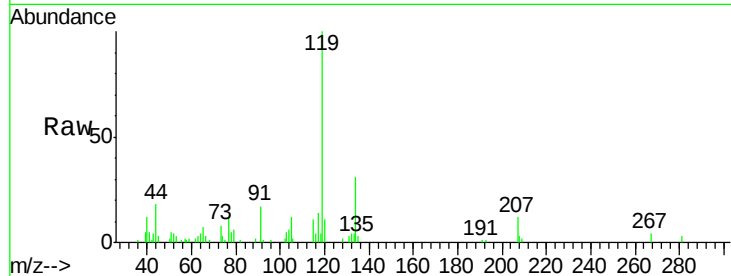
ClientSampleId :

Tot Ion:117 Resp: 3102

Ion Ratio Lower Upper

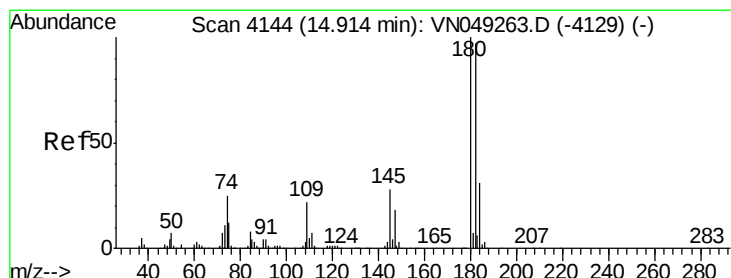
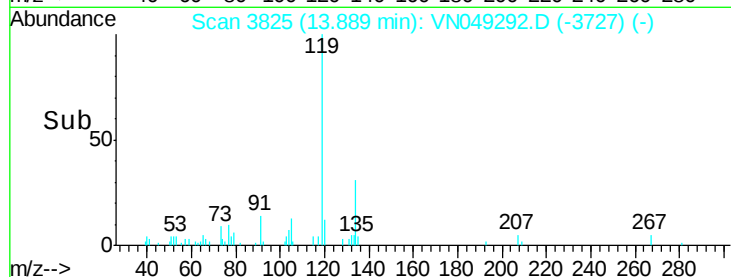
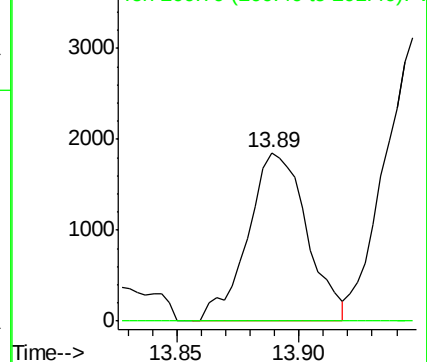
117 100

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



#93

1,2,4-Trichlorobenzene

Concen: 4.81 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.00 min

Lab File: VN049292.D

Acq: 16 Jun 2018 6:26

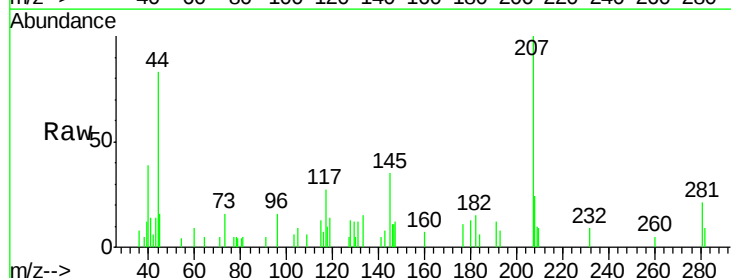
Tgt Ion:180 Resp: 569

Ion Ratio Lower Upper

180 100

182 114.6 46.9 140.8

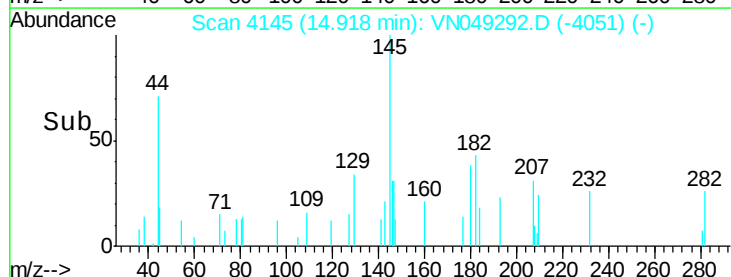
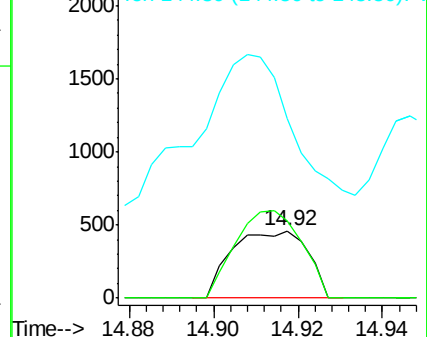
145 523.4 14.7 44.1#

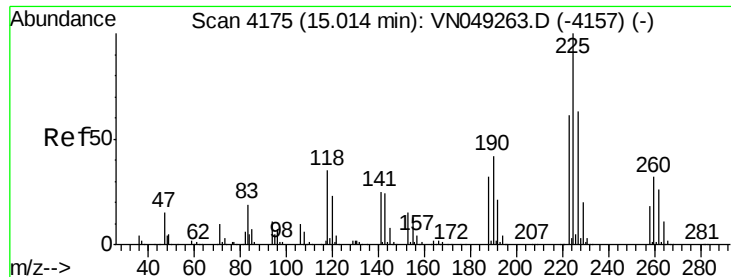


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

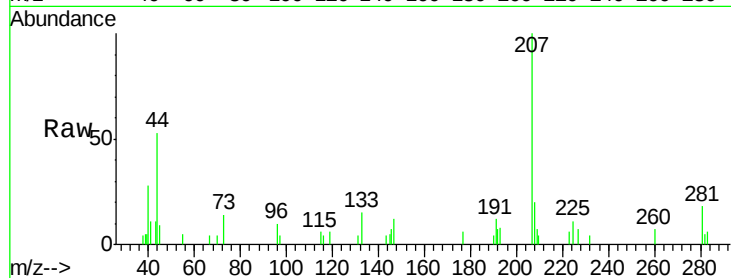




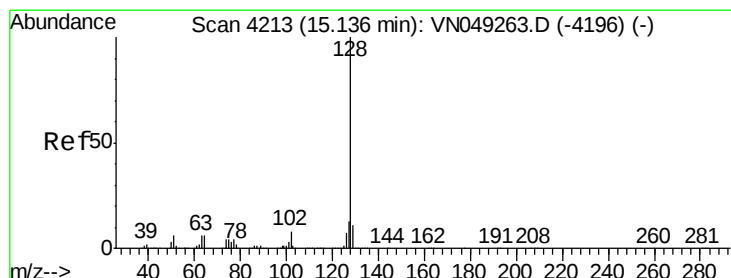
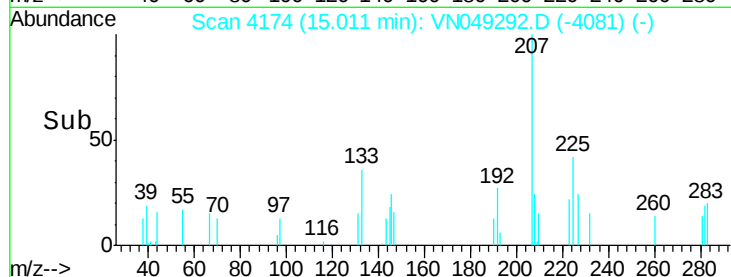
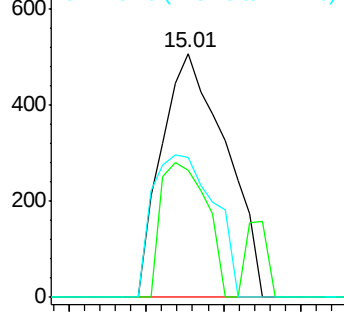
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4174
Delta R.T. -0.00 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
225	100		
223	39.1	32.1	96.3
227	56.1	31.8	95.3

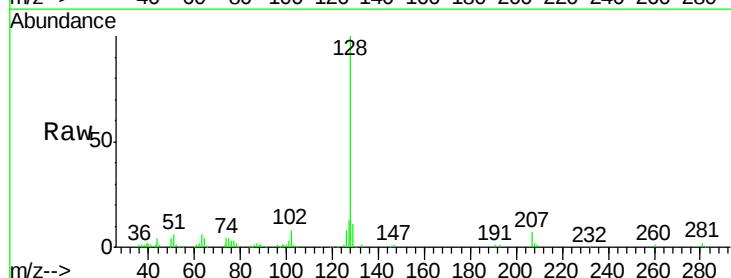


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

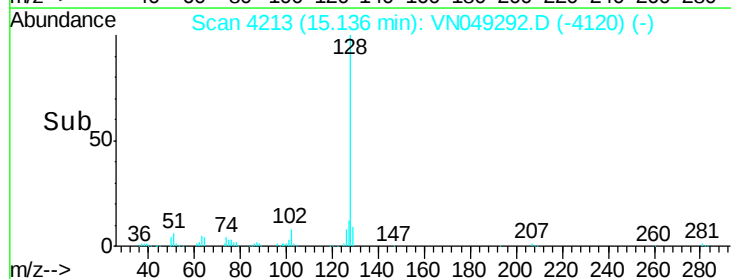
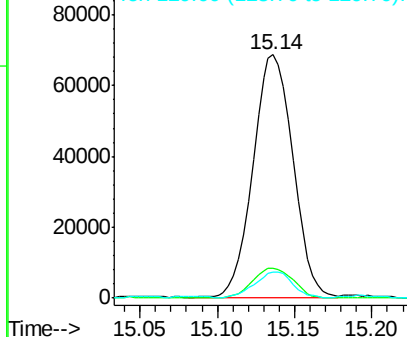


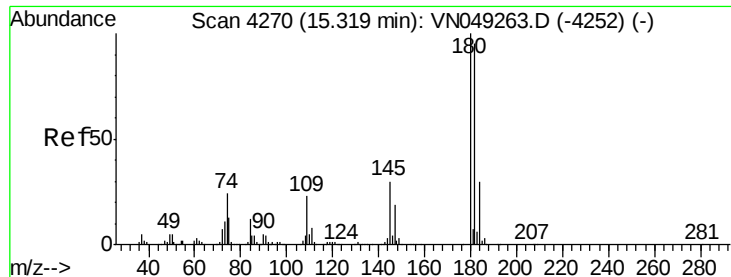
#95
Naphthalene
Concen: 11.18 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049292.D
Acq: 16 Jun 2018 6:26

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.3	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: 3.48 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: VN049292.D
 Acq: 16 Jun 2018 6:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	367.0	47.3	141.8#
145	0.0	15.6	46.7#

