

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049372.D
 Acq On : 19 Jun 2018 4:32
 Operator : MD\SY
 Sample : J3566-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 07:59:51 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	1224536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1952772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1613776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	590332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	818290	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	722714	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
50) Toluene-d8	10.09	98	2624020	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	
62) 4-Bromofluorobenzene	12.40	95	734861	36.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.88%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3708	0.20	ug/l #	88
5) Bromomethane	2.57	94	3146	0.31	ug/l	88
13) Acrolein	3.61	56	281	0.28	ug/l #	32
16) Acetone	3.82	43	32203	8.17	ug/l #	87
18) Methyl Acetate	4.33	43	131067	10.90	ug/l	97
20) Methylene Chloride	4.55	84	433161	26.30	ug/l	90
25) 2-Butanone	6.85	43	3048	0.58	ug/l #	62
29) Tetrahydrofuran	7.22	42	1125	0.33	ug/l #	42
30) Chloroform	7.37	83	27664	0.98	ug/l	94
31) Cyclohexane	7.67	56	21785	0.73	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	82672	3.69	ug/l #	51
38) Carbon Tetrachloride	7.67	117	111311	4.80	ug/l #	17
43) Isopropyl Acetate	8.20	43	474103	20.39	ug/l #	65
44) Trichloroethene	8.83	130	9279	0.51	ug/l	84
47) Bromodichloromethane	9.41	83	10112	0.44	ug/l #	98
49) 1,4-Dioxane	9.21	88	175	1.16	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5413	0.44	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.70	63	121	14.34	ug/l #	51
65) Chlorobenzene	11.44	112	15479	0.37	ug/l	95
67) Ethyl Benzene	11.51	91	19573	0.28	ug/l	96
68) m/p-Xylenes	11.62	106	33950	1.31	ug/l	88
69) o-Xylene	11.95	106	10106	0.41	ug/l	96
73) Isopropylbenzene	12.25	105	20999	0.41	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.47	83	177	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	355127	35.26	ug/l #	100
78) n-propylbenzene	12.59	91	56381	0.99	ug/l	99
79) 2-Chlorotoluene	12.59	91	56381	1.56	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.40	75	355127	111.43	ug/l #	9
82) 4-Chlorotoluene	12.59	91	56381	1.62	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.04	105	9633	0.24	ug/l	99
85) sec-Butylbenzene	13.17	105	28196	0.59	ug/l	81
86) p-Isopropyltoluene	13.45	119	10919	0.27	ug/l	89
89) n-Butylbenzene	13.62	91	10154	0.32	ug/l #	79
93) 1,2,4-Trichlorobenzene	14.91	180	854	4.82	ug/l #	1

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

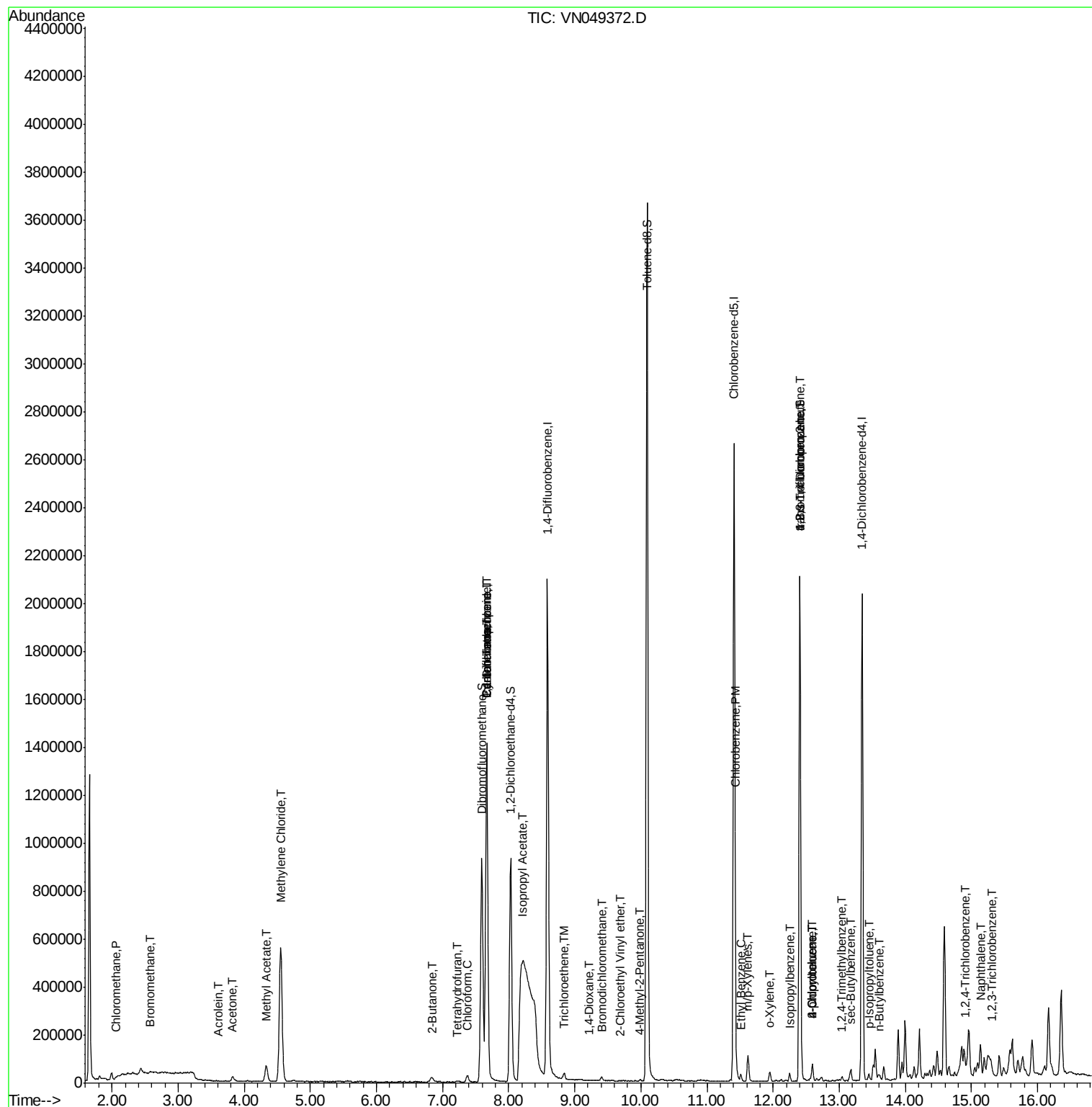
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.14	128	111836	8.79	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	212	3.48	ug/l #	1

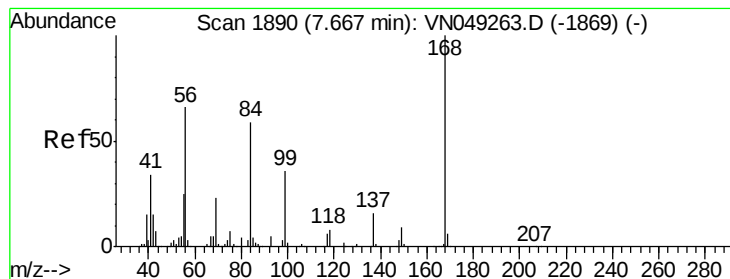
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061818\
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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: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

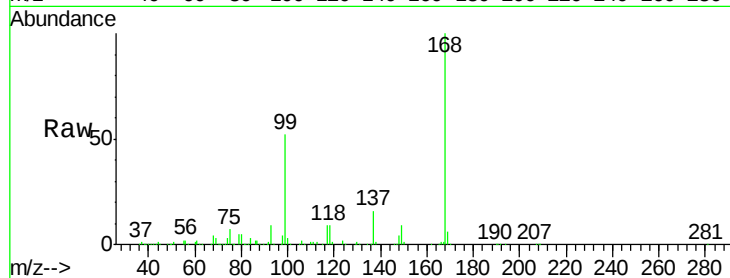
ClientSampleId :

Tot Ion:168 Resp: 1224536

Ion Ratio Lower Upper

168 100

99 51.9 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

500000

400000

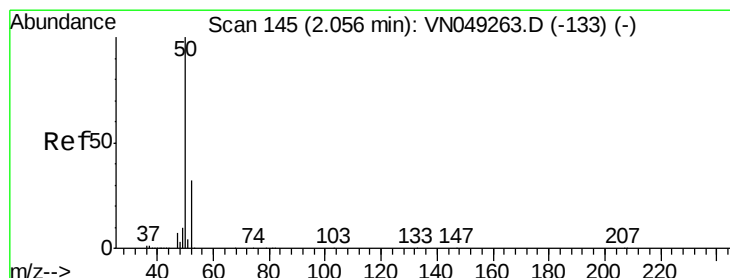
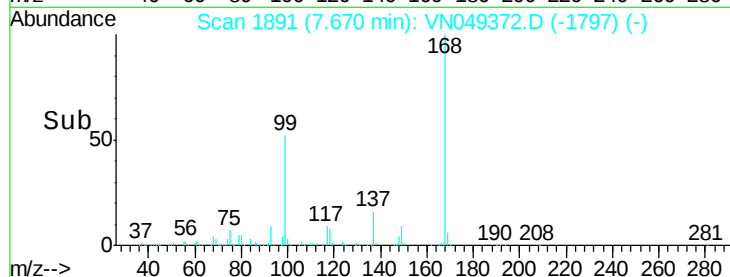
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.20 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049372.D

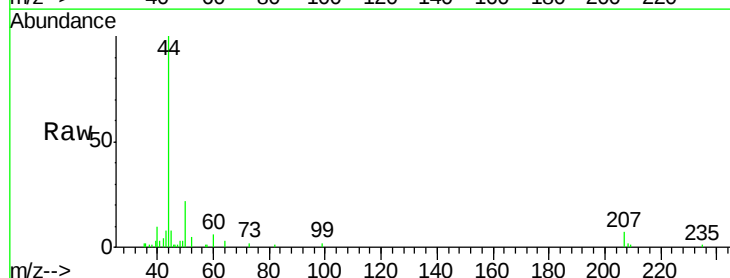
Acq: 19 Jun 2018 4:32

Tgt Ion: 50 Resp: 3708

Ion Ratio Lower Upper

50 100

52 24.7 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

2500

2000

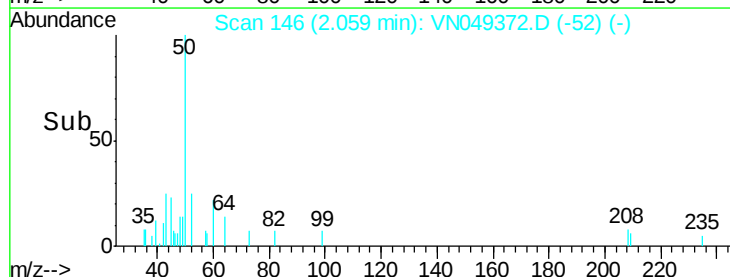
1500

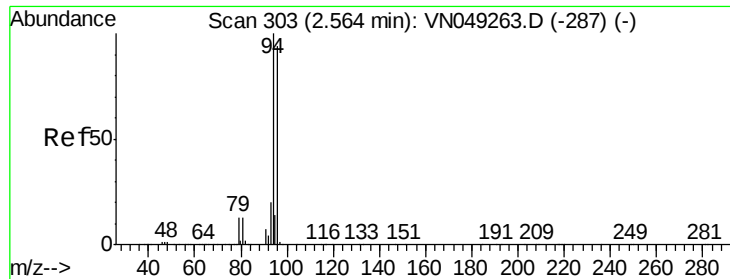
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.31 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

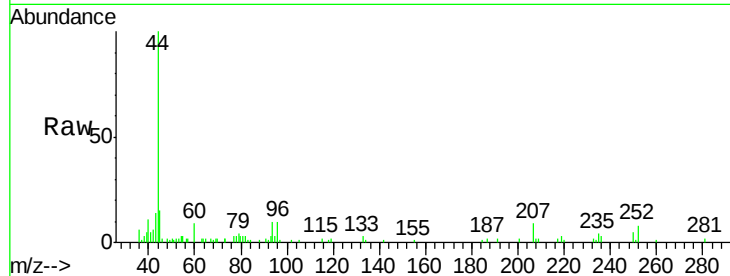
ClientSampled :

Tot Ion: 94 Resp: 3146

Ion Ratio Lower Upper

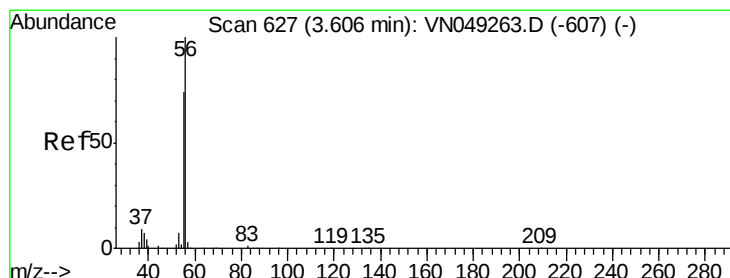
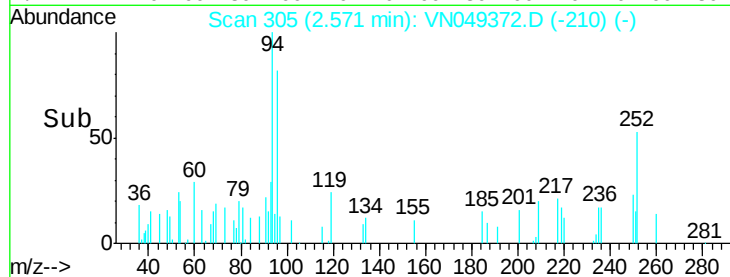
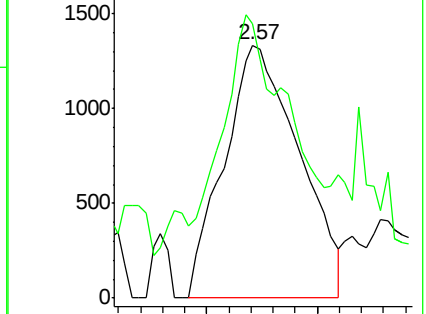
94 100

96 79.6 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049372.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049372.D (-210) (-)



#13

Acrolein

Concen: 0.28 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049372.D

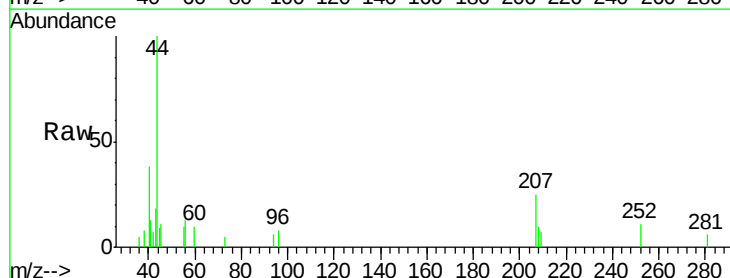
Acq: 19 Jun 2018 4:32

Tgt Ion: 56 Resp: 281

Ion Ratio Lower Upper

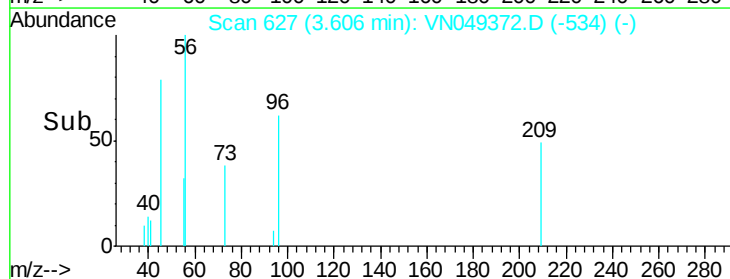
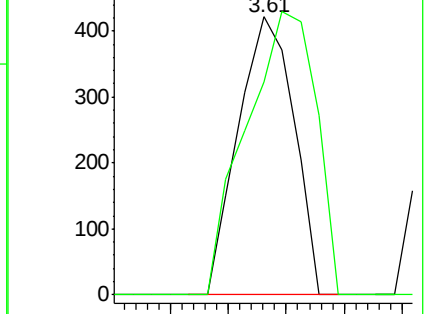
56 100

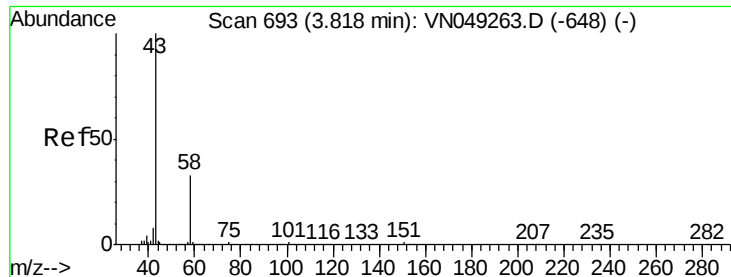
55 127.8 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN049372.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049372.D (-534) (-)





#16

Acetone

Concen: 8.17 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

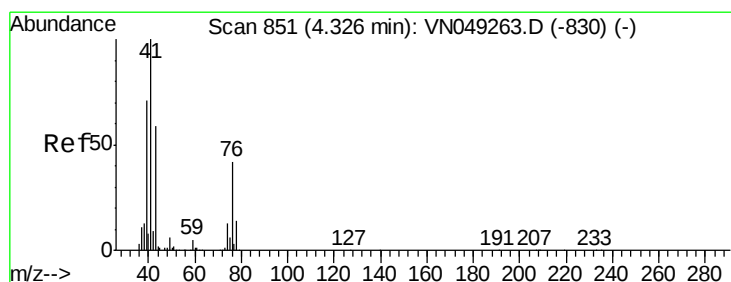
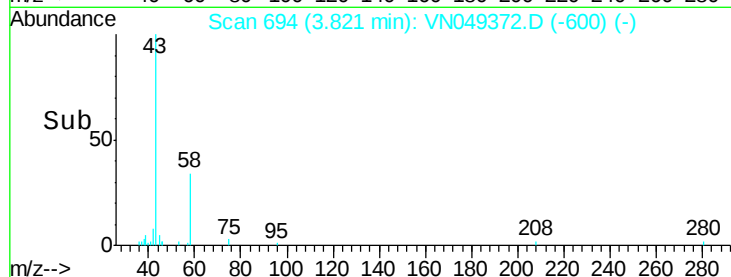
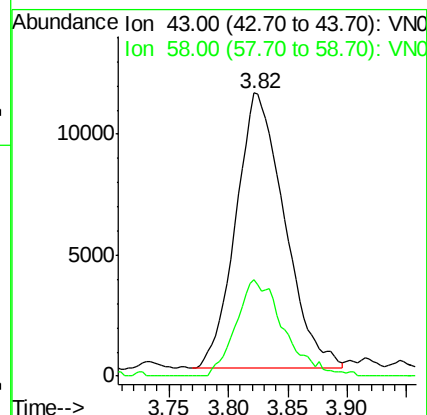
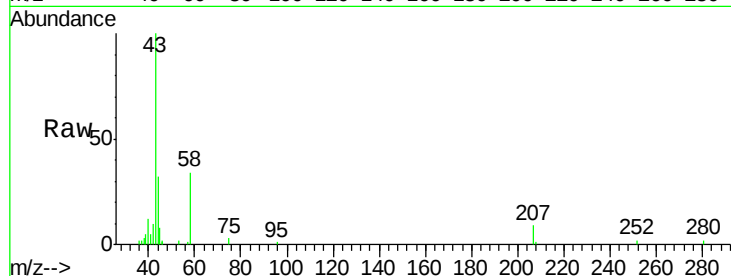
ClientSampleId :

Tot Ion: 43 Resp: 32203

Ion Ratio Lower Upper

43 100

58 34.9 22.4 33.6#



#18

Methyl Acetate

Concen: 10.90 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049372.D

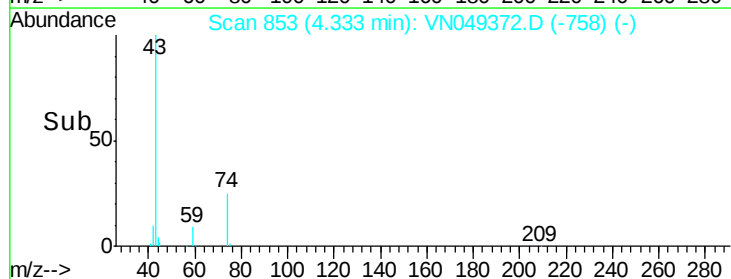
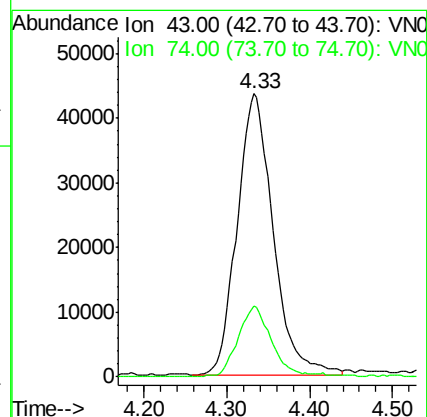
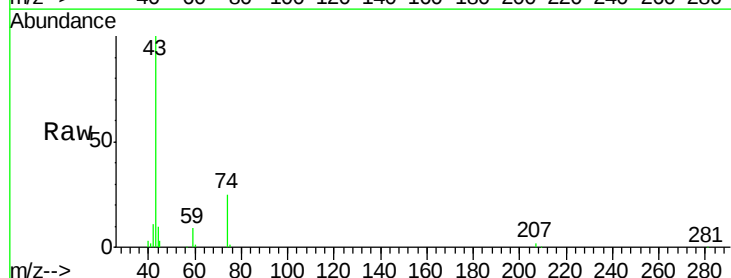
Acq: 19 Jun 2018 4:32

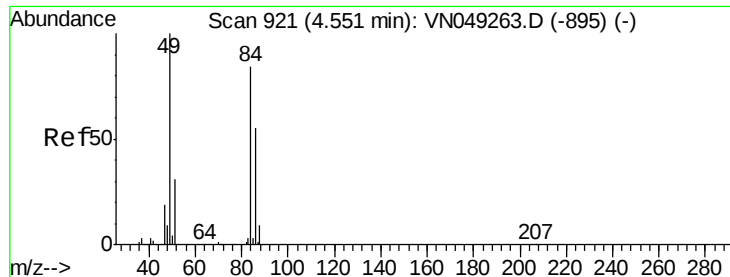
Tgt Ion: 43 Resp: 131067

Ion Ratio Lower Upper

43 100

74 23.1 17.4 26.0

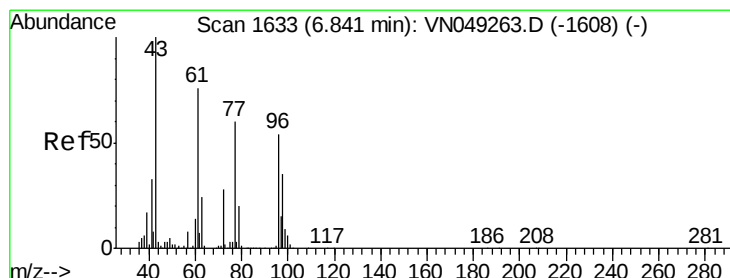
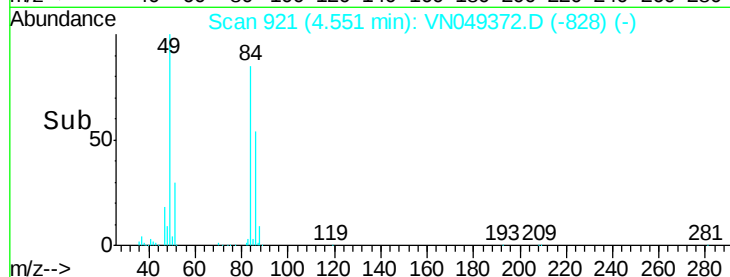
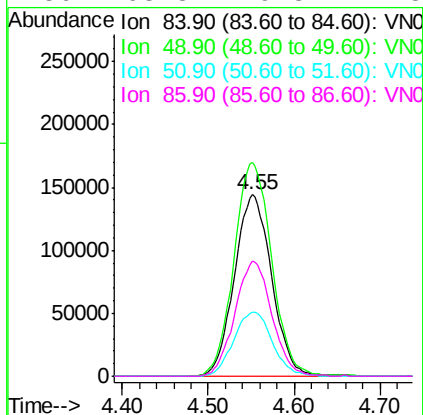
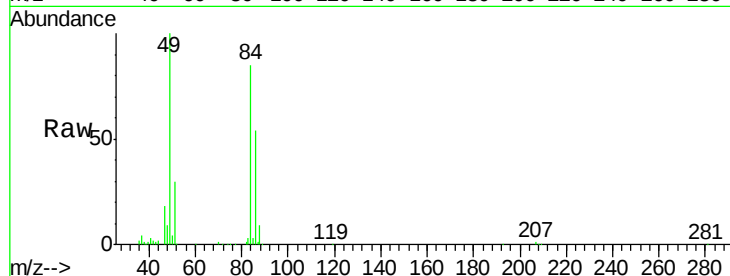




#20
Methvlene Chloride
Concen: 26.30 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

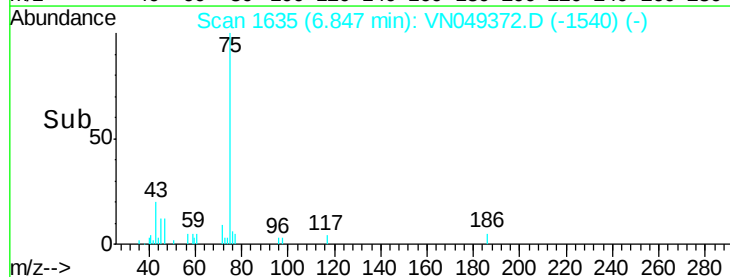
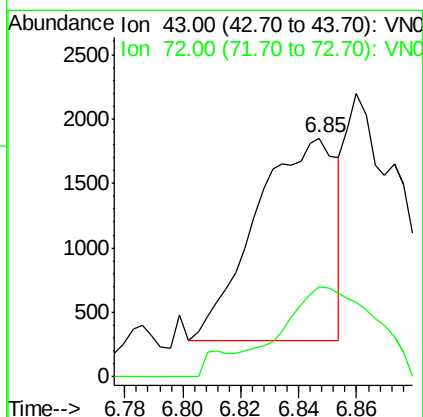
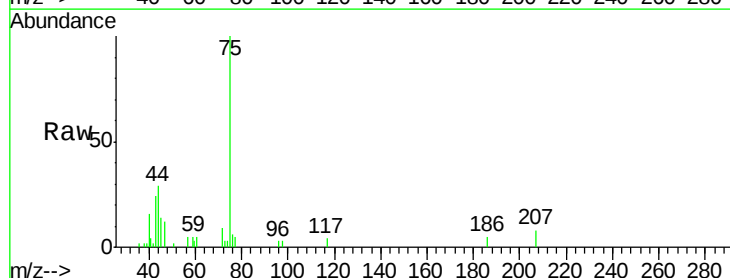
Instrument :
MSVOA_N
ClientSampled :

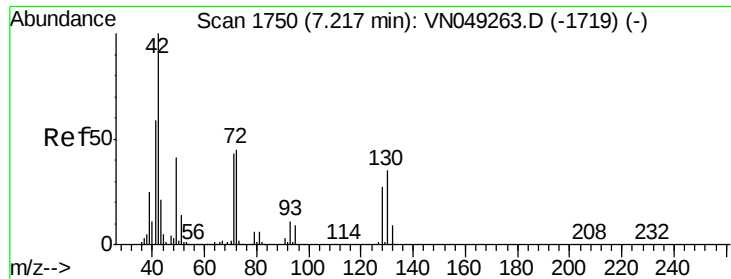
Tot Ion: 84 Resp: 433161
Ion Ratio Lower Upper
84 100
49 117.7 106.9 160.3
51 35.0 32.7 49.1
86 63.3 49.8 74.8



#25
2-Butanone
Concen: 0.58 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

Tgt Ion: 43 Resp: 3048
Ion Ratio Lower Upper
43 100
72 44.4 20.2 30.2#

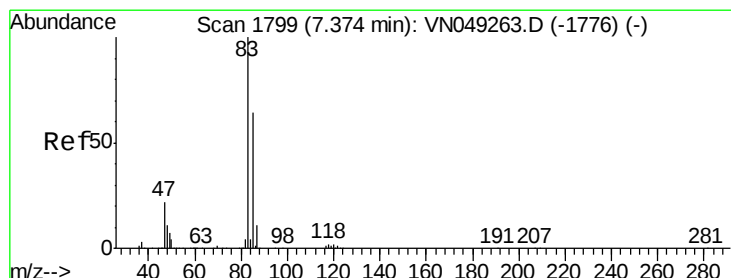
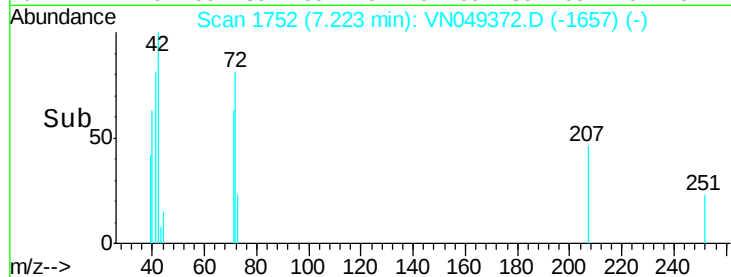
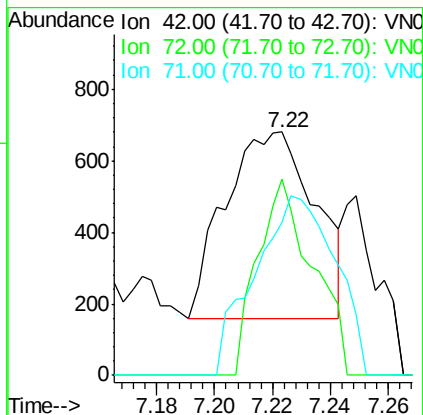
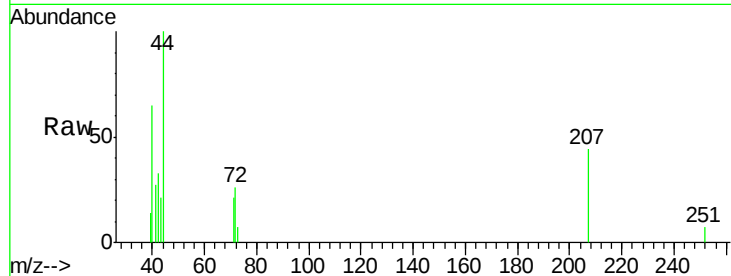




#29
Tetrahydrofuran
Concen: 0.33 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

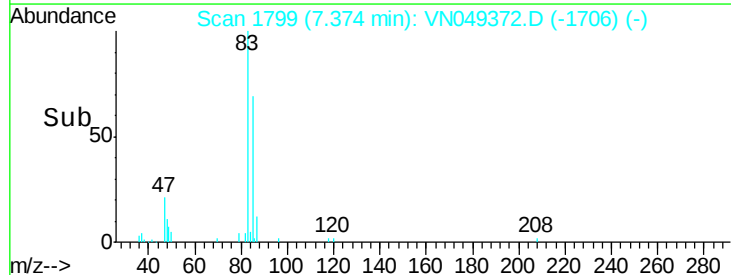
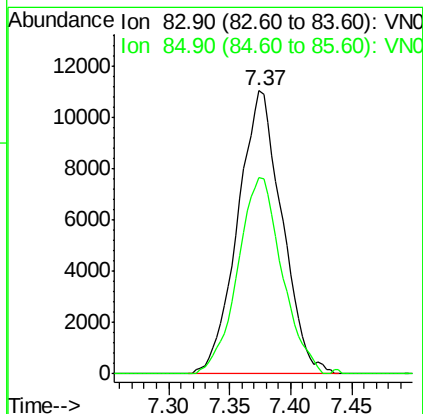
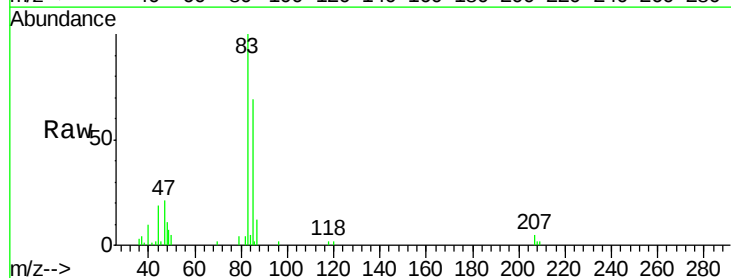
Instrument :
MSVOA_N
ClientSampled :

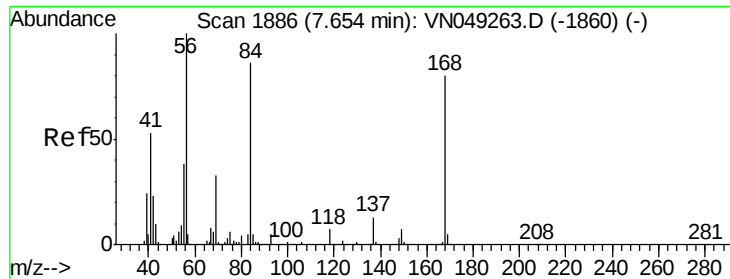
Tot Ion: 42 Resp: 1125
Ion Ratio Lower Upper
42 100
72 64.4 32.2 48.4#
71 85.9 30.5 45.7#



#30
Chloroform
Concen: 0.98 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

Tgt Ion: 83 Resp: 27664
Ion Ratio Lower Upper
83 100
85 69.2 51.7 77.5

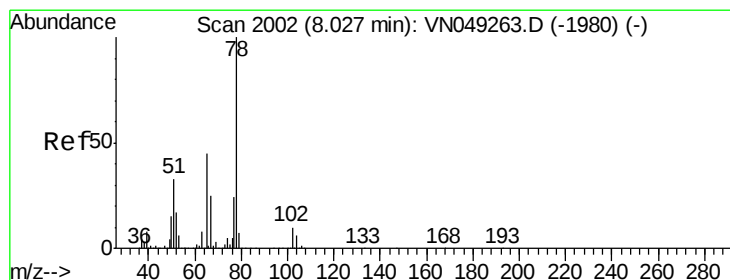
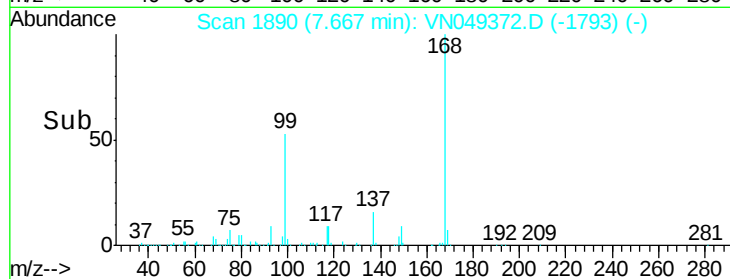
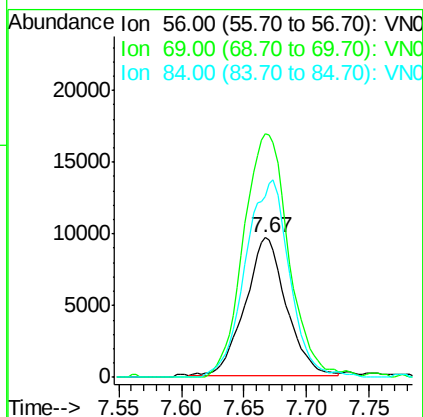
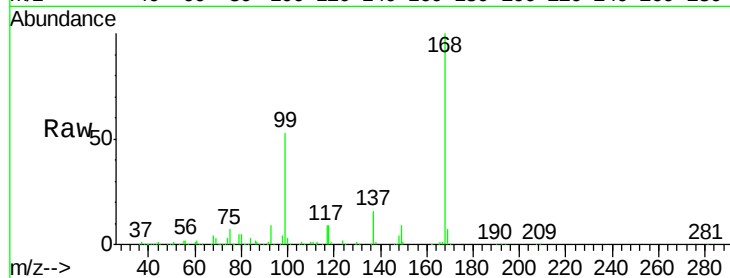




#31
Cyclohexane
Concen: 0.73 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

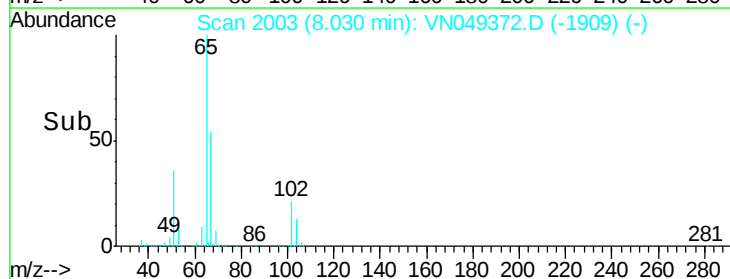
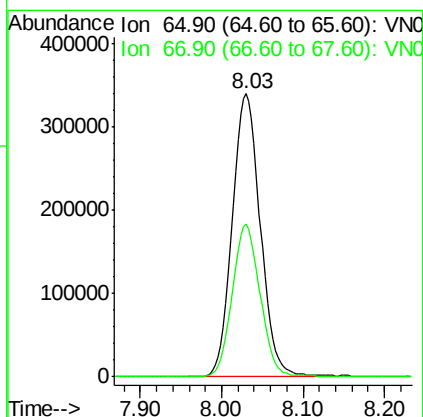
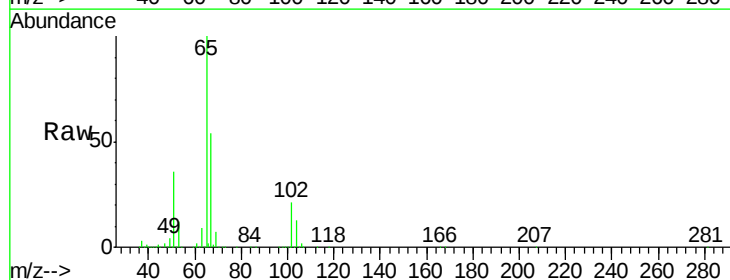
Instrument :
MSVOA_N
ClientSampled :

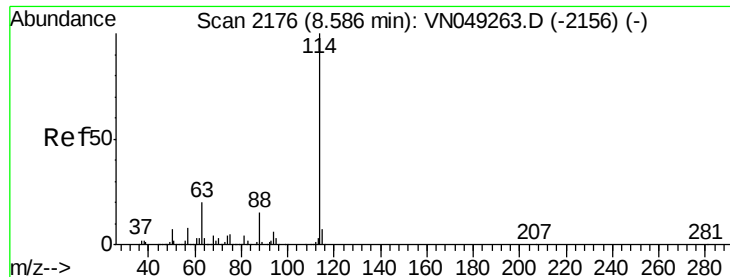
Tot Ion: 56 Resp: 21785
Ion Ratio Lower Upper
56 100
69 177.1 25.0 37.4#
84 131.7 64.6 96.8#



#33
1,2-Dichloroethane-d4
Concen: 50.38 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

Tgt Ion: 65 Resp: 818290
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.8

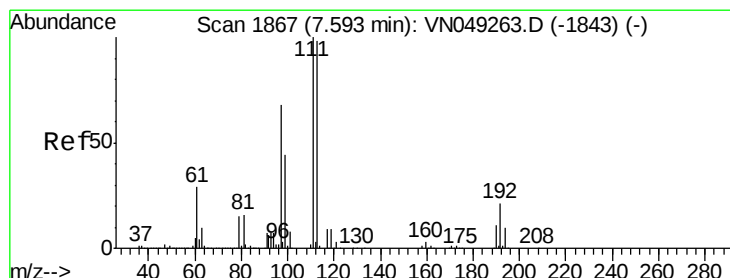
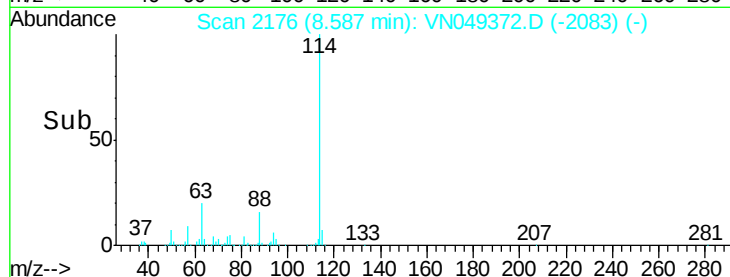
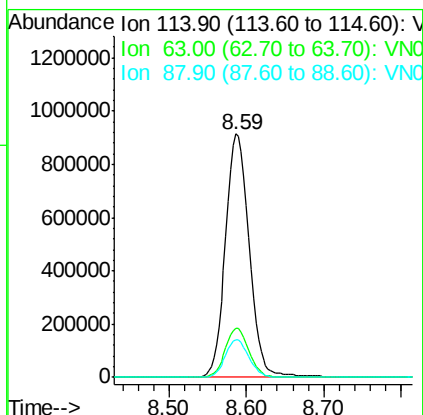
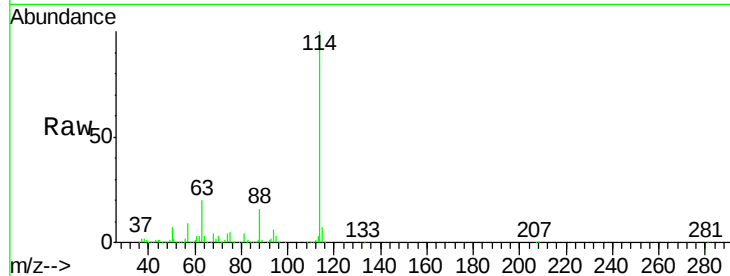




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049372.D
 Acq: 19 Jun 2018 4:32

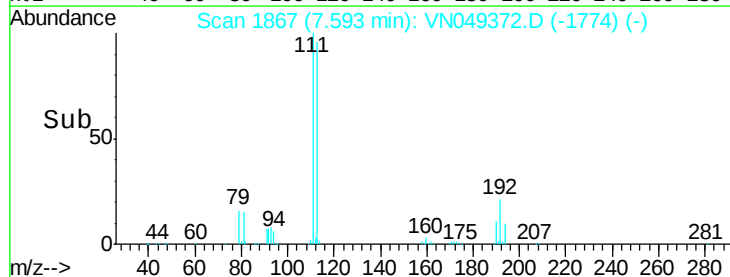
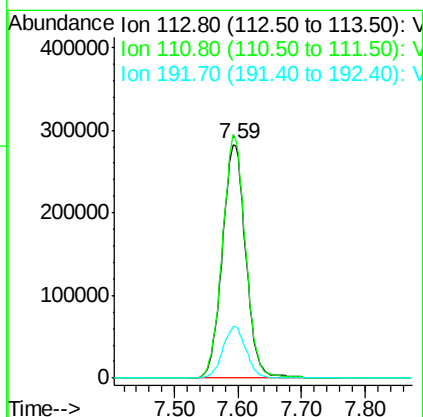
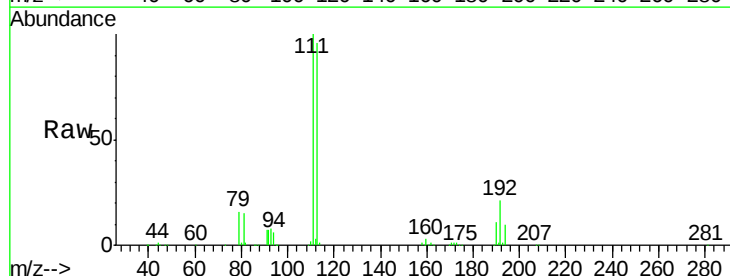
Instrument :
 MSVOA_N
 ClientSampleId :

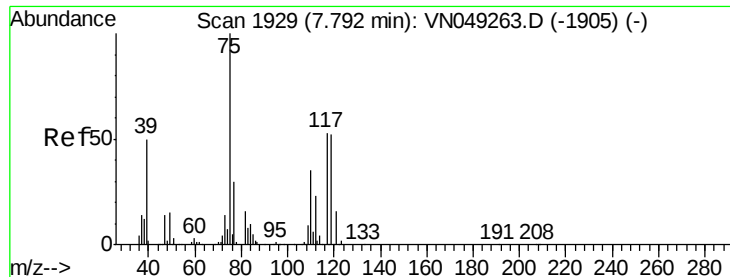
Tot Ion:114 Resp: 1952772
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 44.4
 88 15.5 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 45.74 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049372.D
 Acq: 19 Jun 2018 4:32

Tgt Ion:113 Resp: 722714
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.4 123.6
 192 21.8 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.69 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

ClientSampleId :

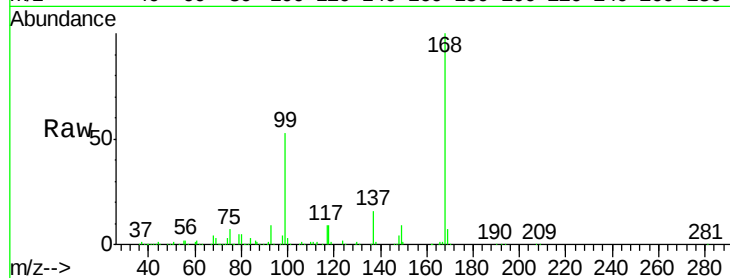
Tot Ion: 75 Resp: 82672

Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

77 0.2 24.4 36.6#

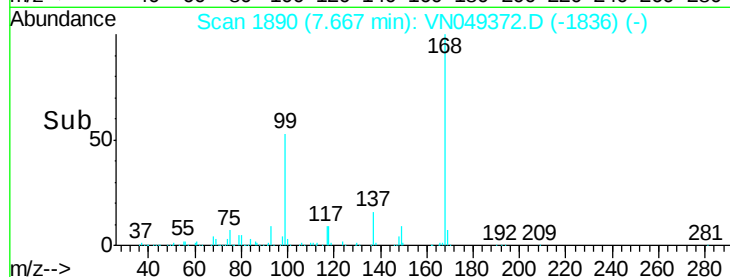


Abundance Ion 74.90 (74.60 to 75.60): VN049372.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049372.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049372.D (-1836) (-)

Time-->

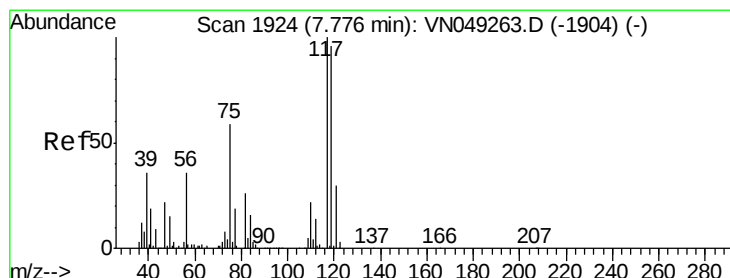


Abundance Ion 74.90 (74.60 to 75.60): VN049372.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049372.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049372.D (-1836) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.80 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

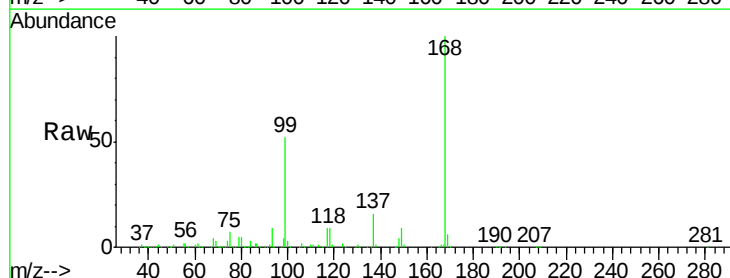
Tgt Ion: 117 Resp: 111311

Ion Ratio Lower Upper

117 100

119 6.1 75.6 113.4#

121 0.0 24.7 37.1#

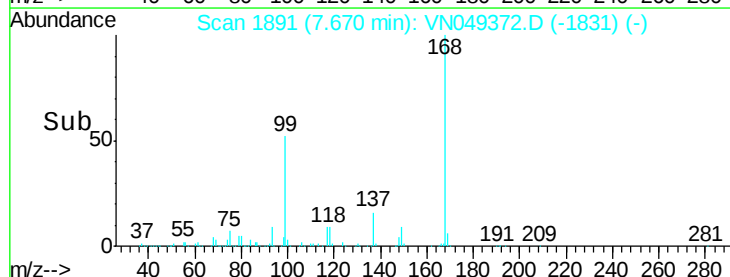


Abundance Ion 116.80 (116.50 to 117.50): VN049372.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049372.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049372.D (-1831) (-)

Time-->

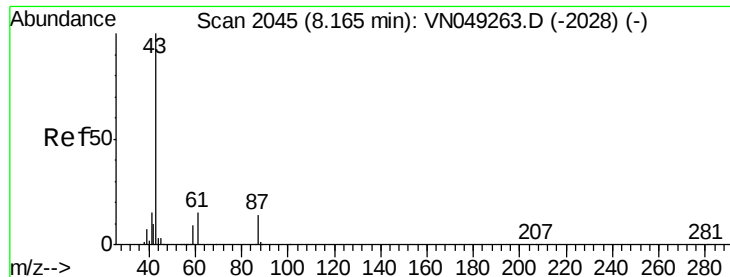


Abundance Ion 116.80 (116.50 to 117.50): VN049372.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049372.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049372.D (-1831) (-)

Time-->

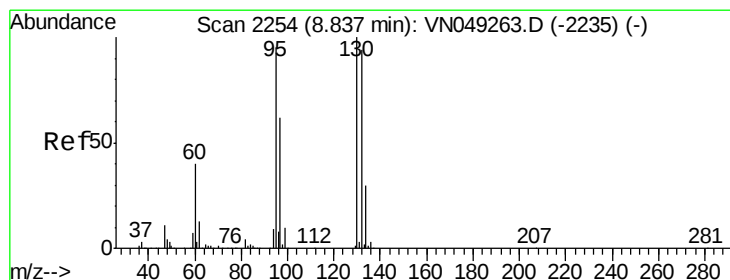
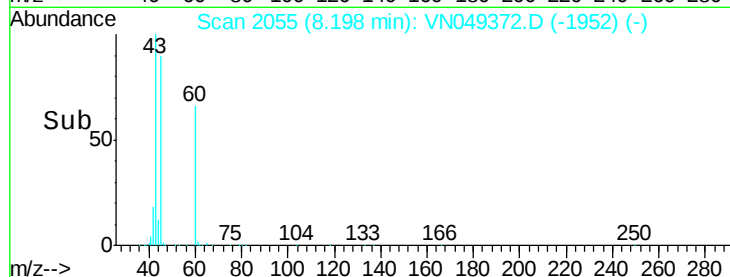
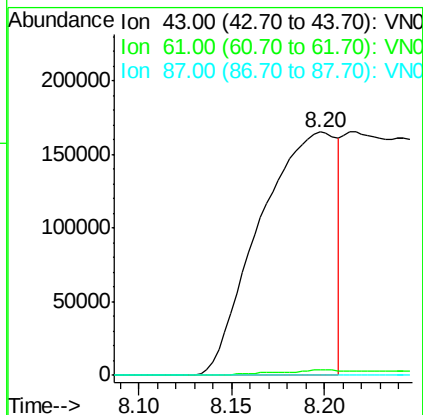
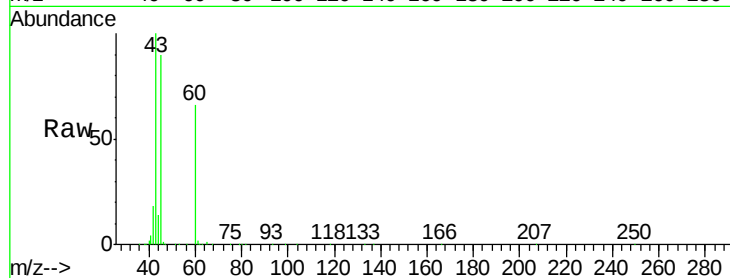


#43

Isopropyl Acetate
 Concen: 20.39 ug/l
 RT: 8.20 min Scan# 2055
 Delta R.T. 0.03 min
 Lab File: VN049372.D
 Acq: 19 Jun 2018 4:32

Instrument :
 MSVOA_N
 ClientSampleId :

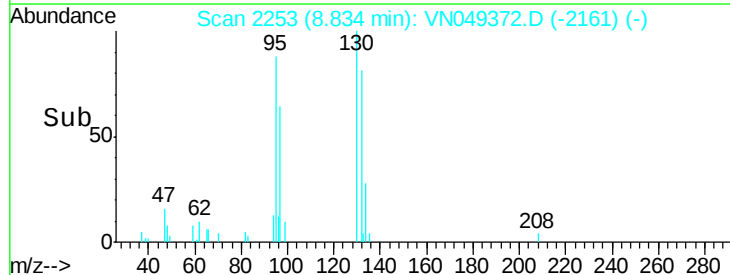
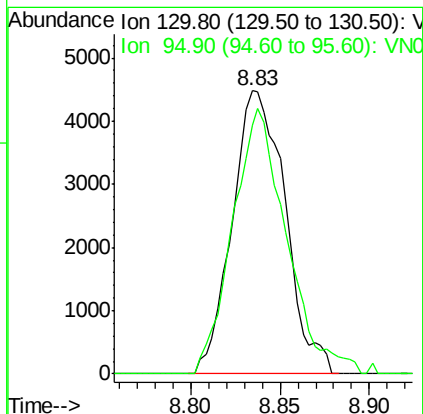
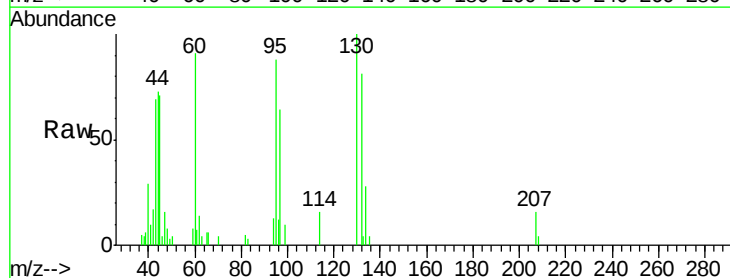
Tot Ion: 43 Resp: 474103
 Ion Ratio Lower Upper
 43 100
 61 0.9 14.2 21.4#
 87 0.0 9.4 14.0#

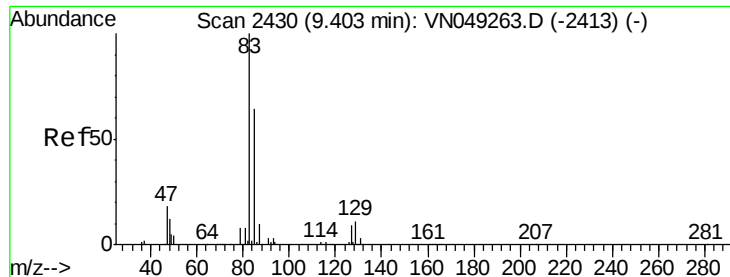


#44

Trichloroethene
 Concen: 0.51 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049372.D
 Acq: 19 Jun 2018 4:32

Tgt Ion: 130 Resp: 9279
 Ion Ratio Lower Upper
 130 100
 95 87.9 0.0 208.6





#47

Bromodichloromethane

Concen: 0.44 ug/l

RT: 9.41 min Scan# 2431

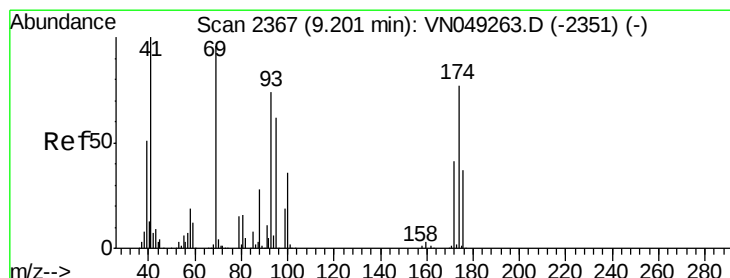
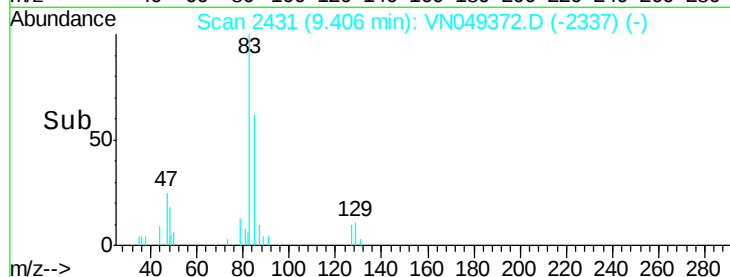
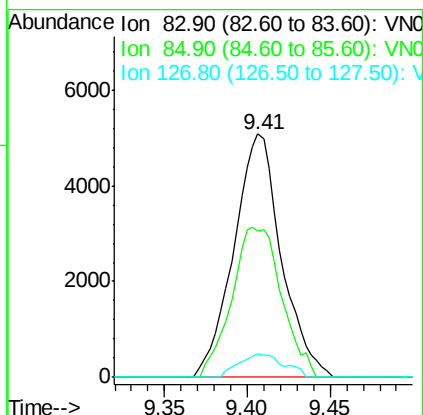
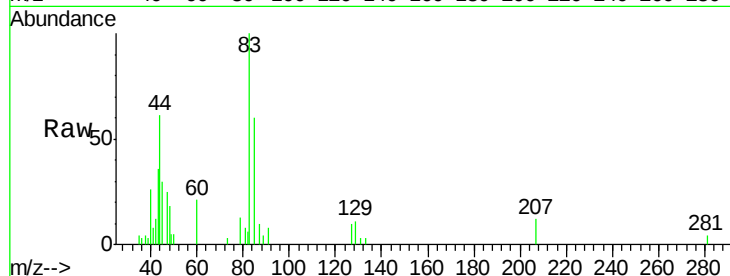
Delta R.T. 0.00 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 10112
Ion Ratio Lower Upper
83 100
85 60.3 49.4 74.0
127 9.8 6.3 9.5#



#49

1,4-Dioxane

Concen: 1.16 ug/l

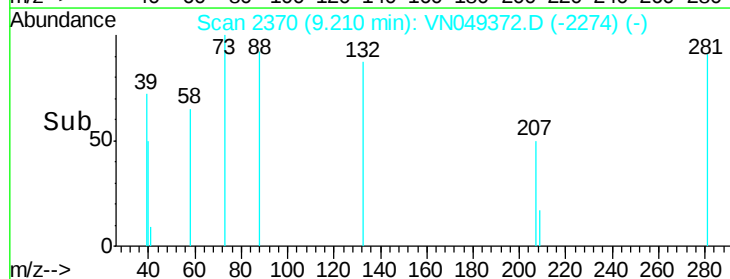
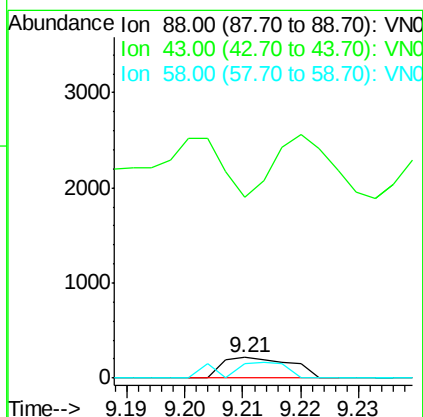
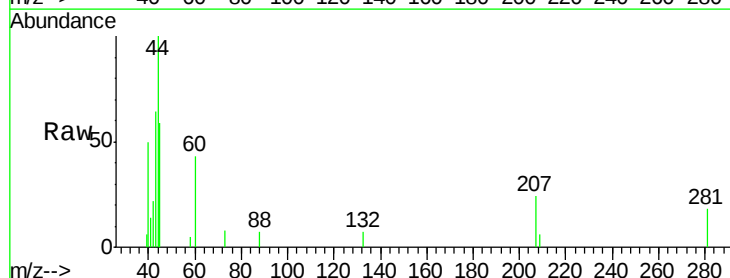
RT: 9.21 min Scan# 2370

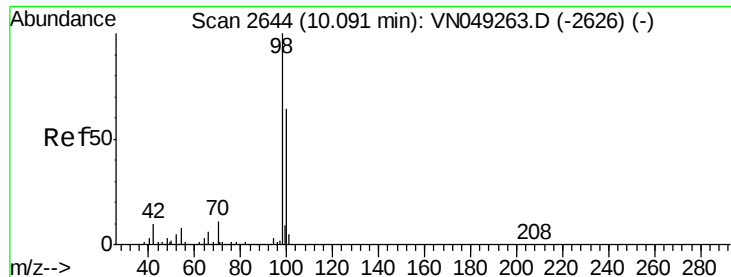
Delta R.T. 0.01 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Tgt Ion: 88 Resp: 175
Ion Ratio Lower Upper
88 100
43 259.4 30.9 46.3#
58 68.0 58.9 88.3





#50

Toluene-d8

Concen: 43.62 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

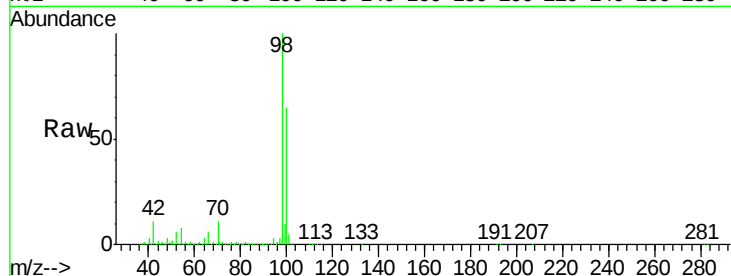
ClientSampleId :

Tot Ion: 98 Resp: 2624020

Ion Ratio Lower Upper

98 100

100 64.4 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

1500000

1000000

500000

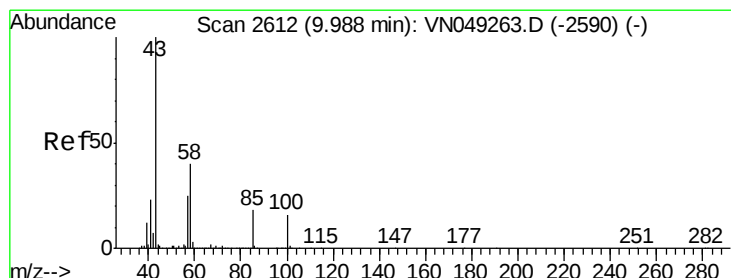
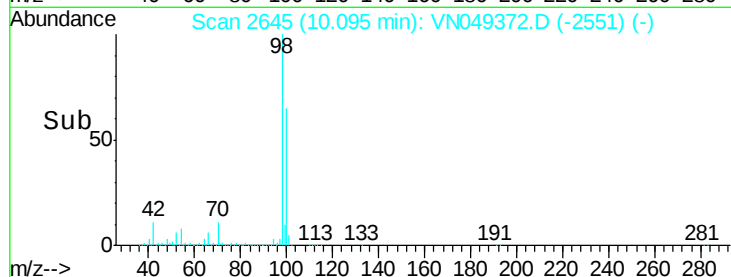
0

Time-->

10.00

10.10

10.20



#51

4-Methyl-2-Pentanone

Concen: 0.44 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049372.D

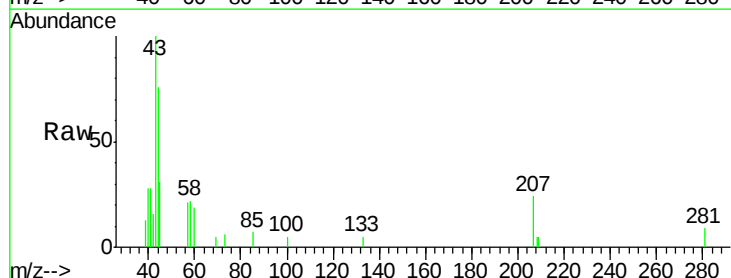
Acq: 19 Jun 2018 4:32

Tgt Ion: 43 Resp: 5413

Ion Ratio Lower Upper

43 100

58 28.5 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

8000

6000

4000

2000

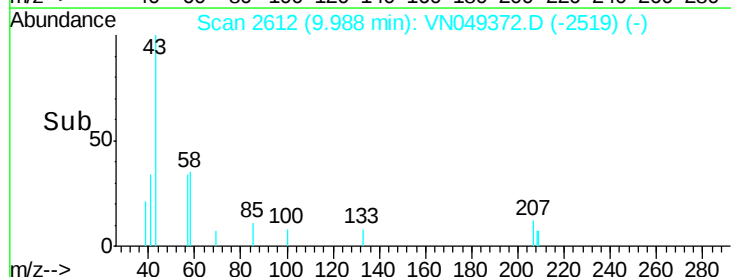
0

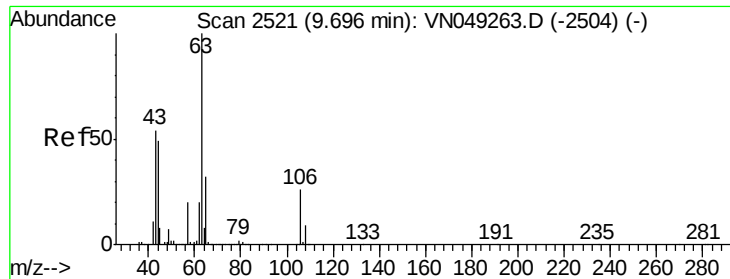
Time-->

9.95

10.00

10.05

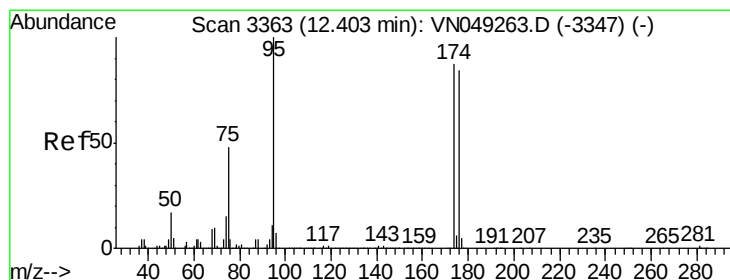
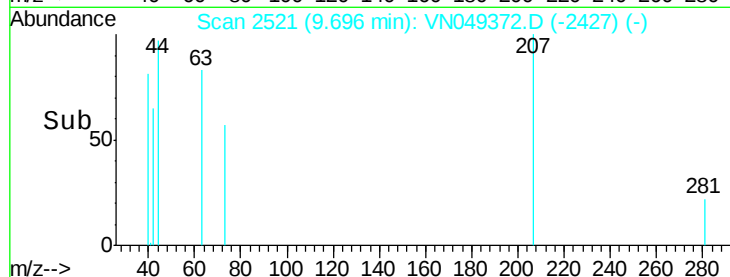
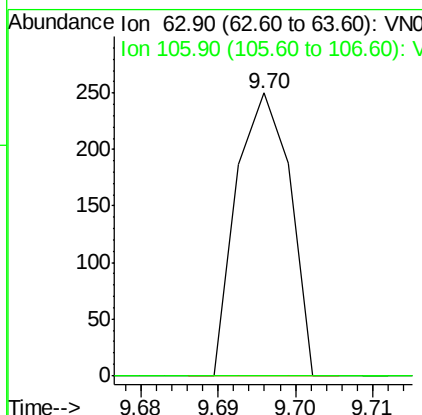
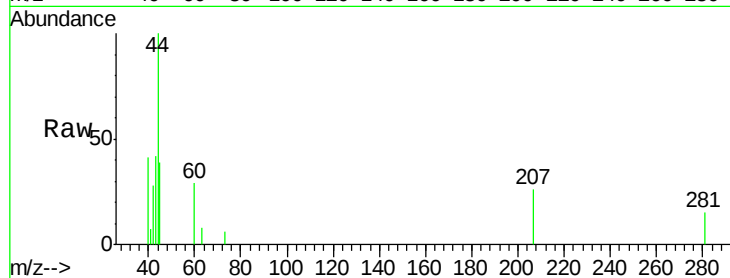




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.34 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049372.D
 Acq: 19 Jun 2018 4:32

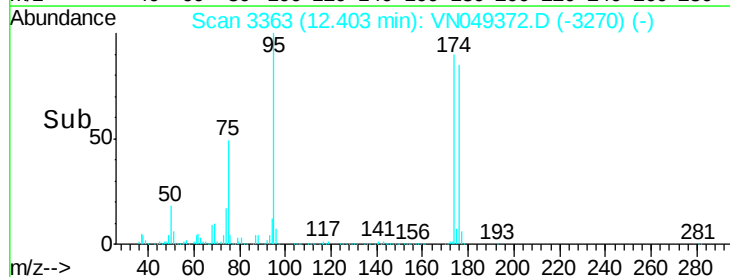
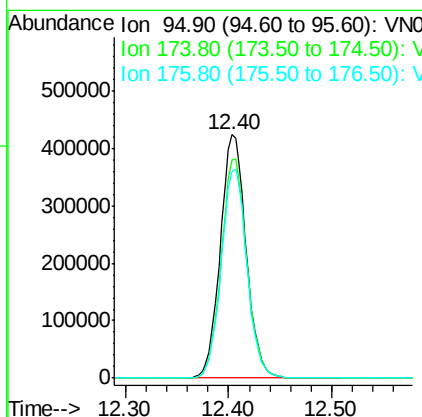
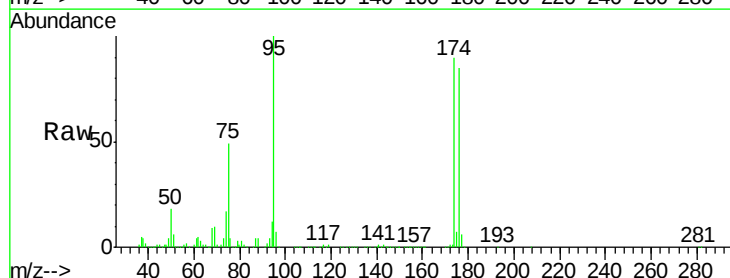
Instrument :
 MSVOA_N
 ClientSampled :

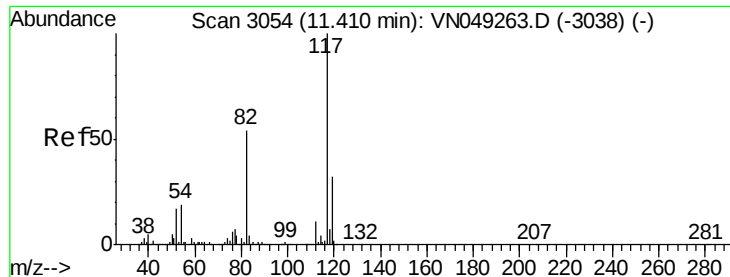
Tot Ion: 63 Resp: 121
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#62
 4-Bromofluorobenzene
 Concen: 36.94 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049372.D
 Acq: 19 Jun 2018 4:32

Tgt Ion: 95 Resp: 734861
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 165.6
 176 85.6 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

ClientSampleId :

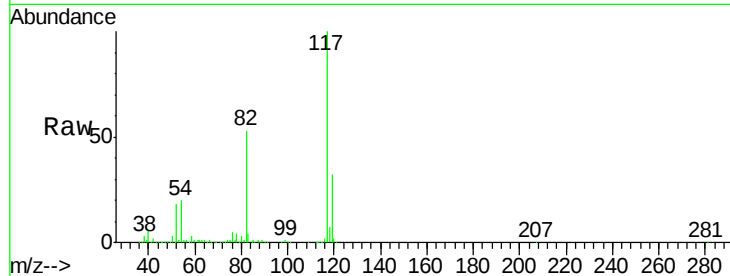
Tot Ion:117 Resp: 1613776

Ion Ratio Lower Upper

117 100

82 53.1 45.9 68.9

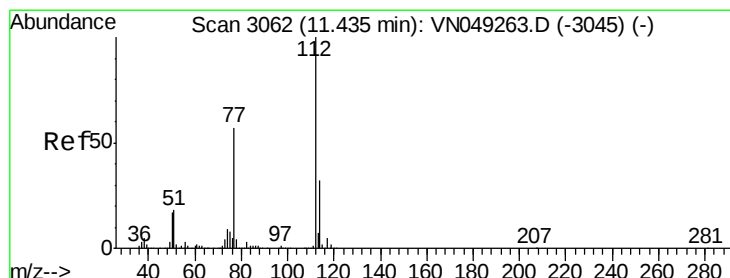
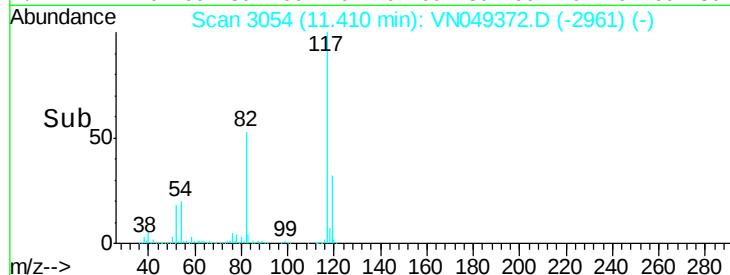
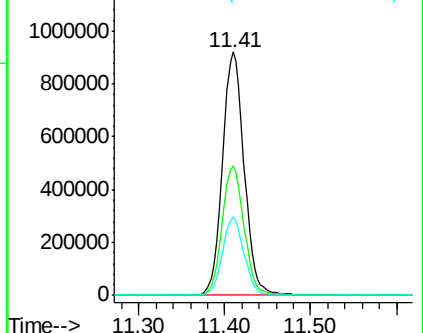
119 32.2 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.37 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049372.D

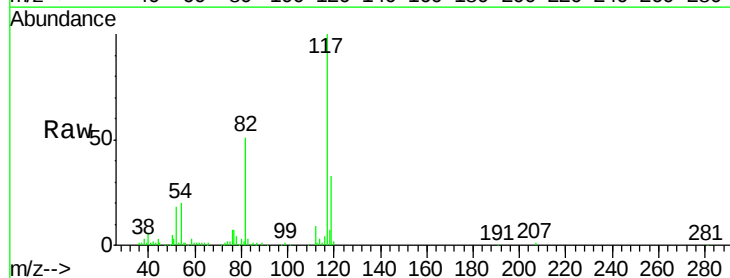
Acq: 19 Jun 2018 4:32

Tgt Ion:112 Resp: 15479

Ion Ratio Lower Upper

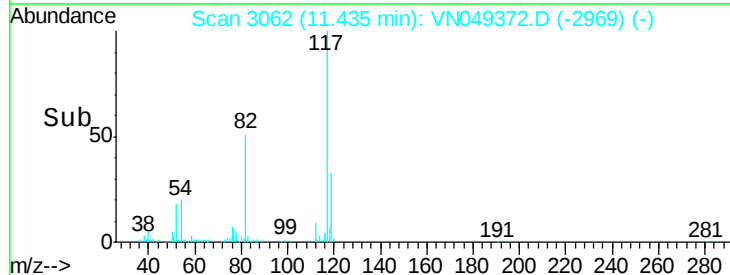
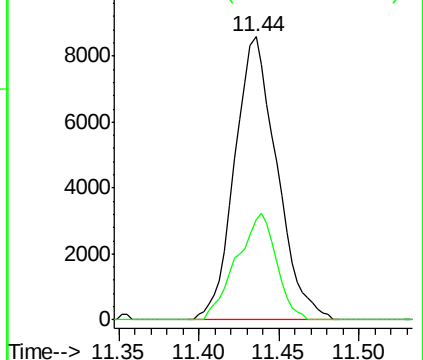
112 100

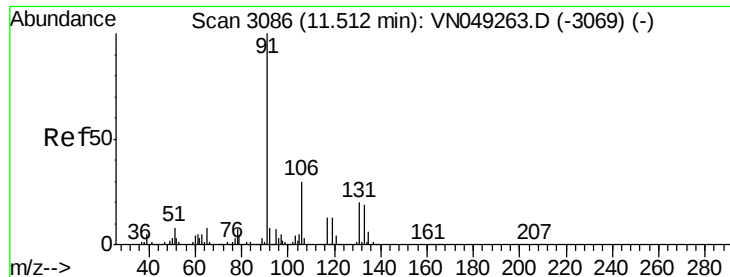
114 35.7 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.28 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

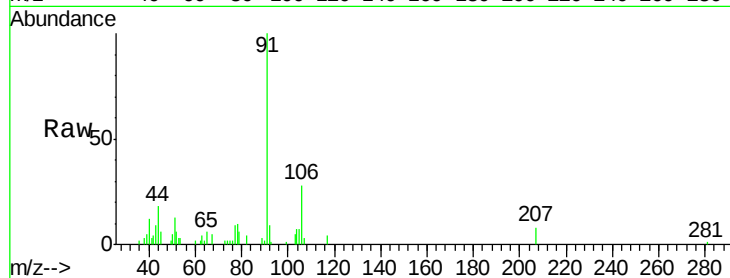
ClientSampled :

Tot Ion: 91 Resp: 19573

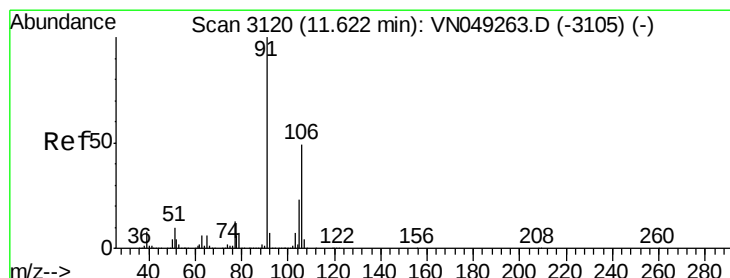
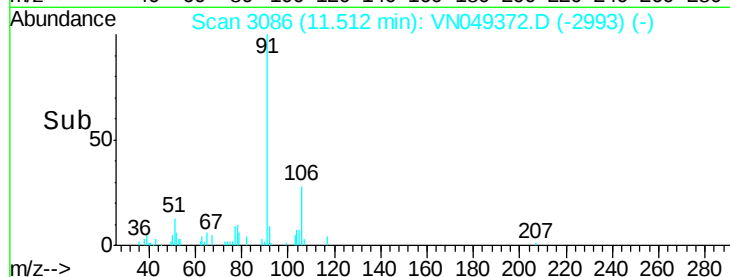
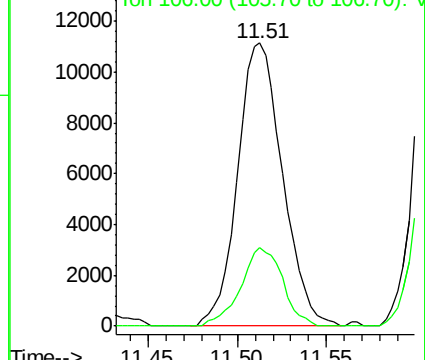
Ion Ratio Lower Upper

91 100

106 27.6 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3069) (-)



#68

m/p-Xylenes

Concen: 1.31 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. -0.01 min

Lab File: VN049372.D

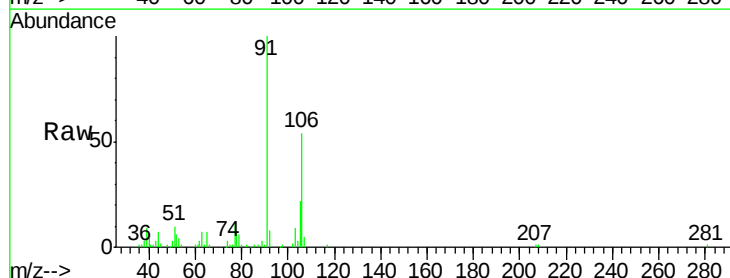
Acq: 19 Jun 2018 4:32

Tgt Ion: 106 Resp: 33950

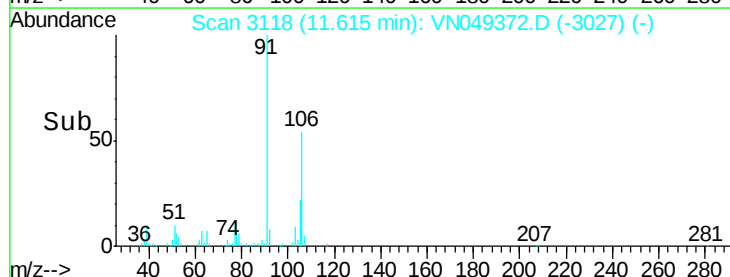
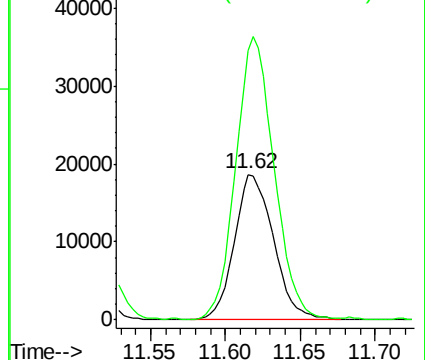
Ion Ratio Lower Upper

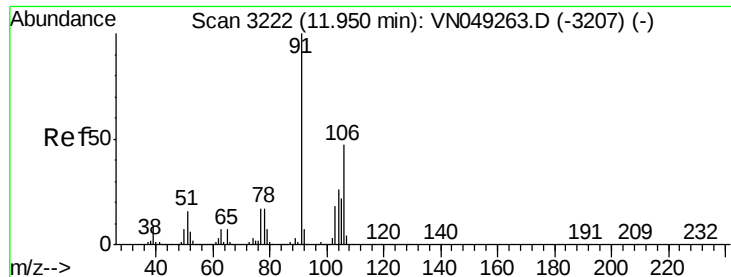
106 100

91 191.0 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049263.D (-3105) (-)

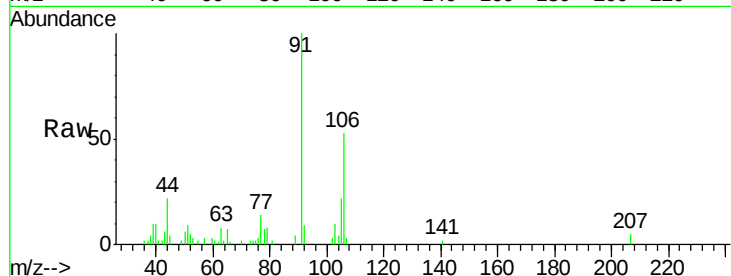




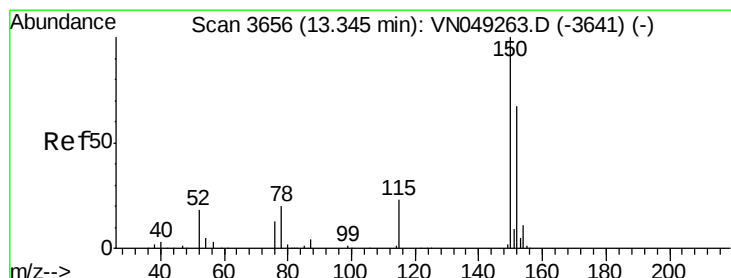
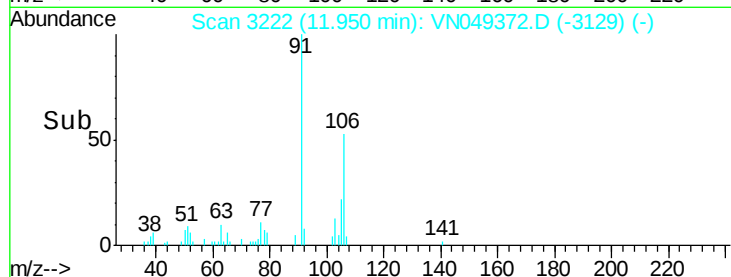
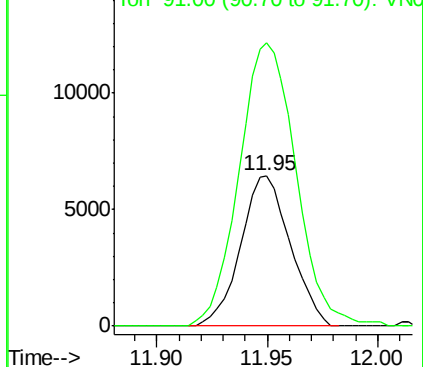
#69
o-Xylene
Concen: 0.41 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 10106
Ion Ratio Lower Upper
106 100
91 215.9 111.0 333.0

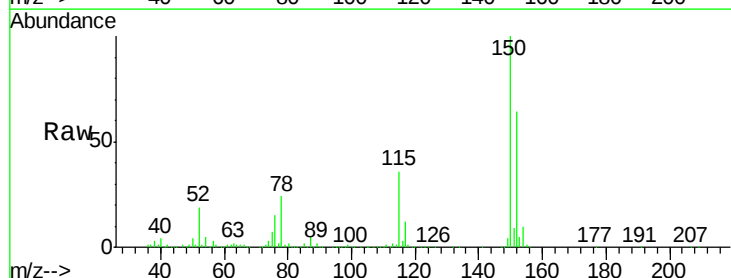


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

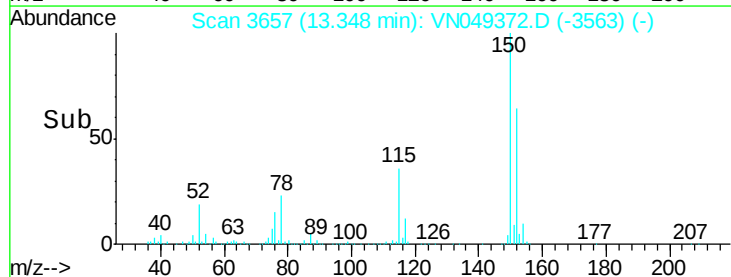
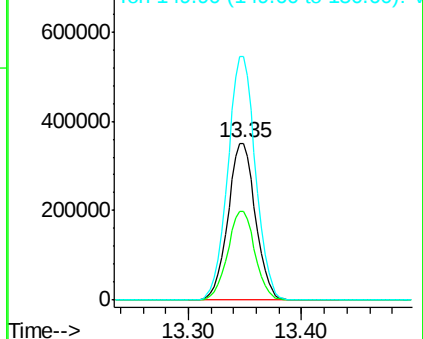


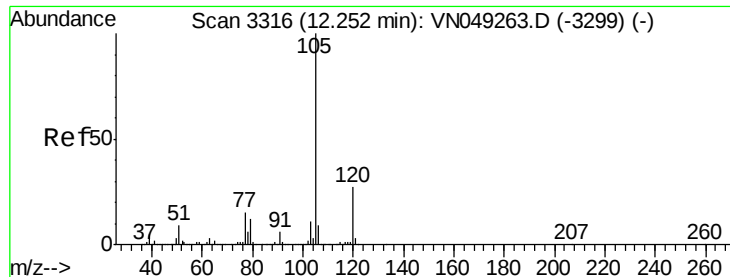
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

Tgt Ion:152 Resp: 590332
Ion Ratio Lower Upper
152 100
115 56.7 28.7 86.1
150 156.8 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





#73

Isopropylbenzene

Concen: 0.41 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

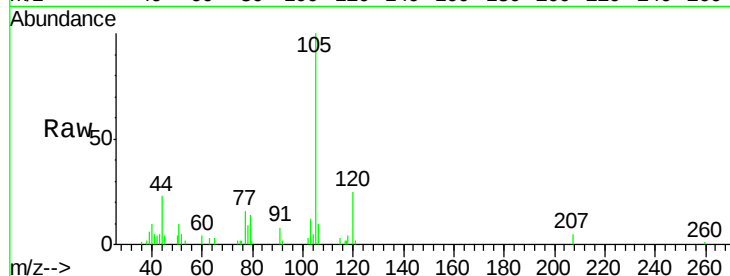
ClientSampled :

Tot Ion:105 Resp: 20999

Ion Ratio Lower Upper

105 100

120 26.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

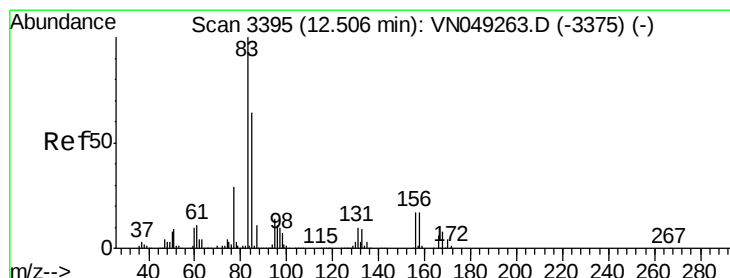
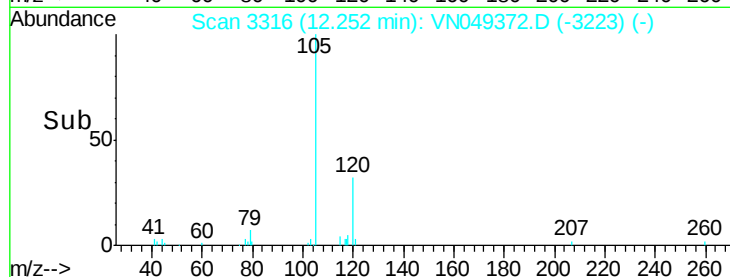
15000

10000

5000

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3385

Delta R.T. -0.03 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

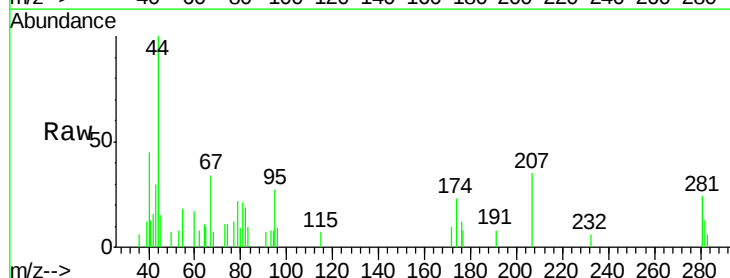
Tgt Ion: 83 Resp: 177

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): V

Ion 84.90 (84.60 to 85.60): VNO

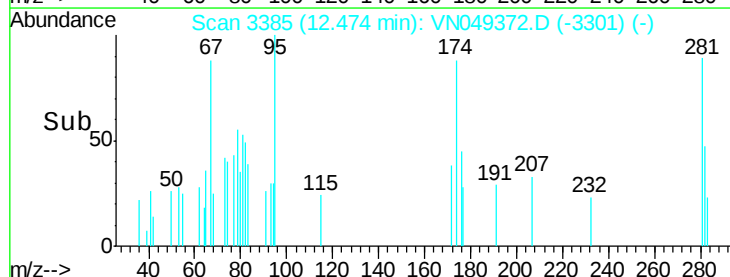
300

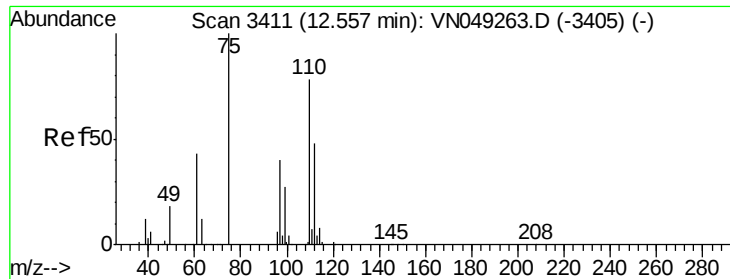
200

100

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 35.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

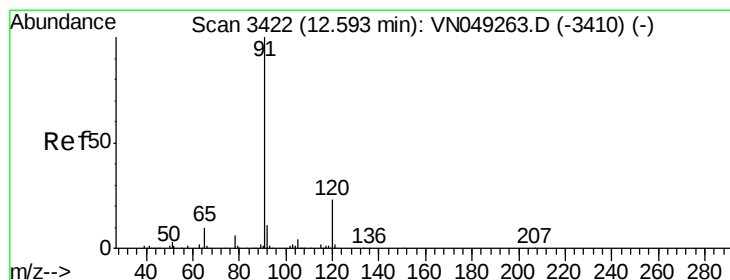
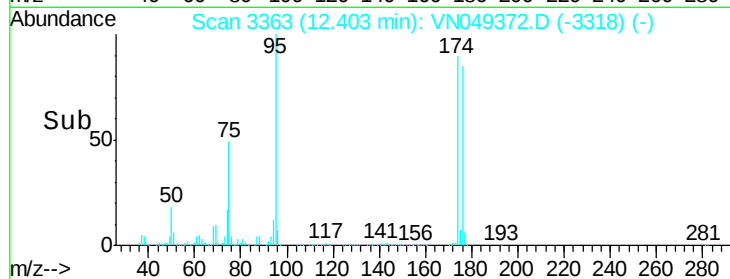
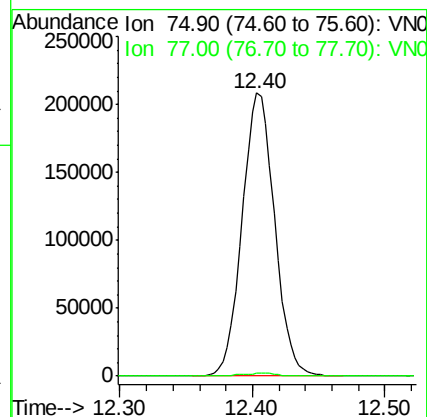
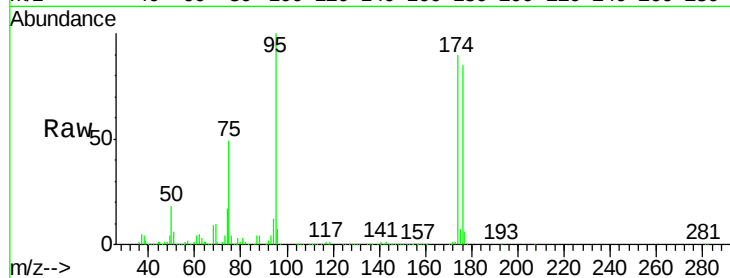
ClientSampled :

Tot Ion: 75 Resp: 355127

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#78

n-propylbenzene

Concen: 0.99 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049372.D

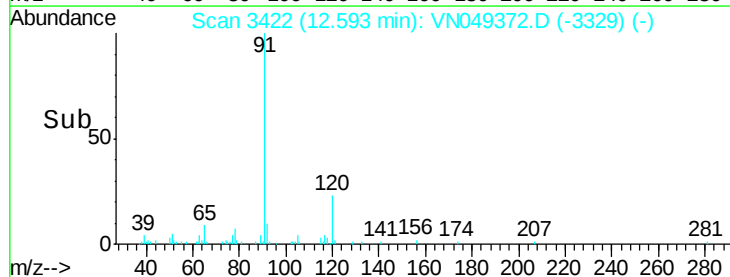
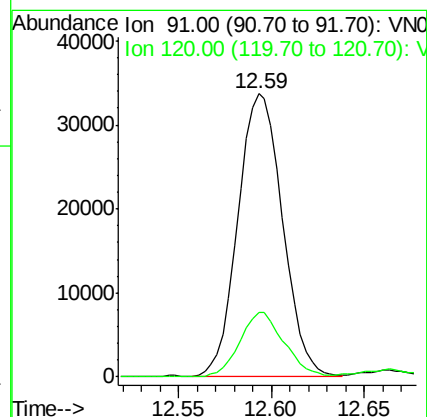
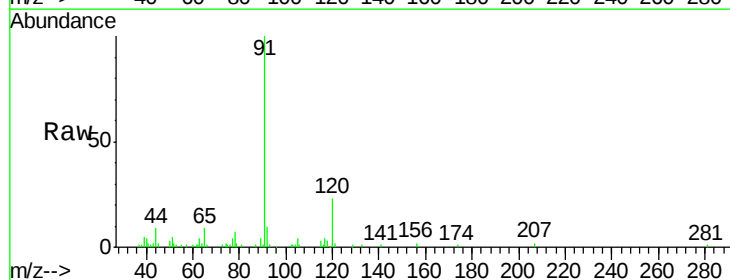
Acq: 19 Jun 2018 4:32

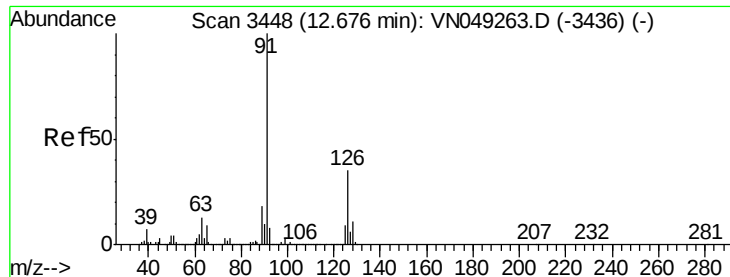
Tgt Ion: 91 Resp: 56381

Ion Ratio Lower Upper

91 100

120 22.6 11.2 33.5





#79

2-Chlorotoluene

Concen: 1.56 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

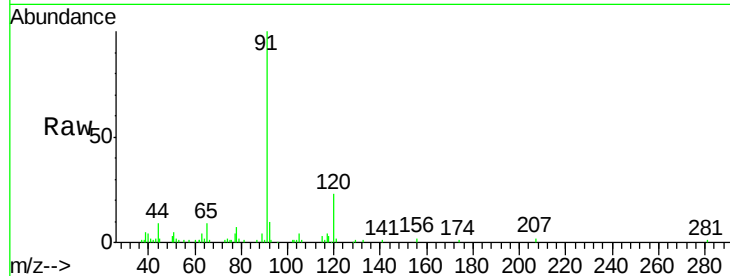
ClientSampled :

Tot Ion: 91 Resp: 56381

Ion Ratio Lower Upper

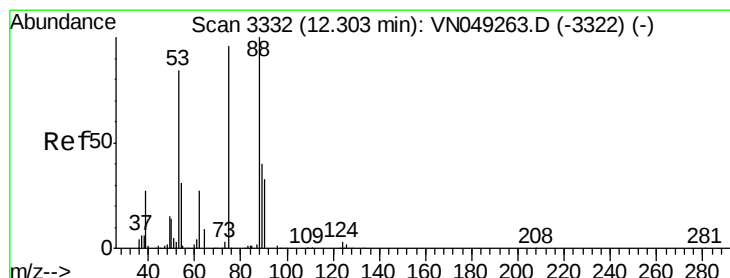
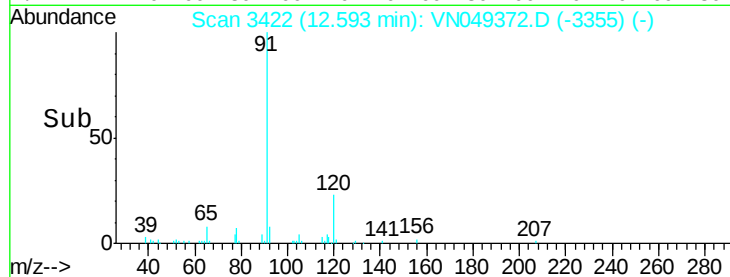
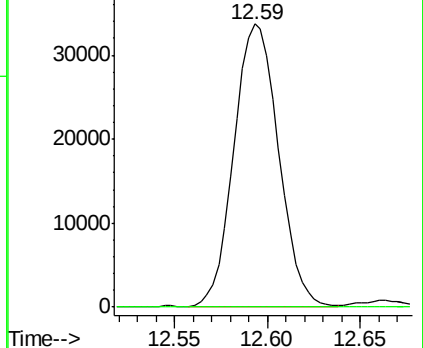
91 100

126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VNC

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.43 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

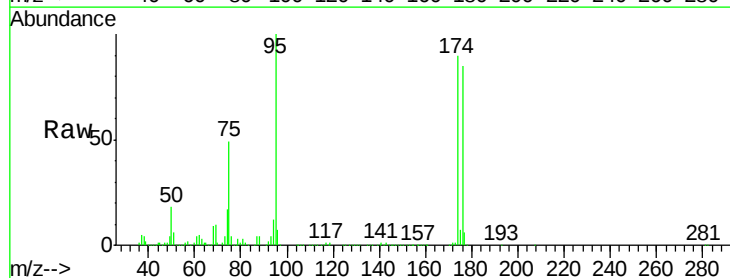
Tgt Ion: 75 Resp: 355127

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

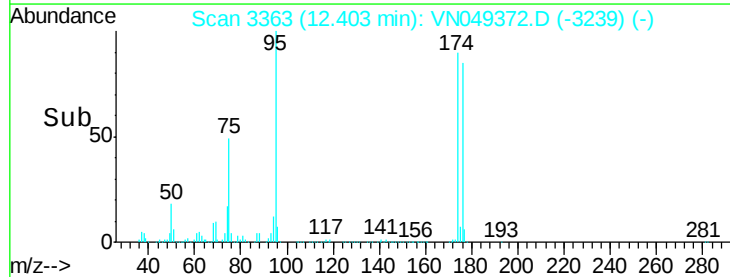
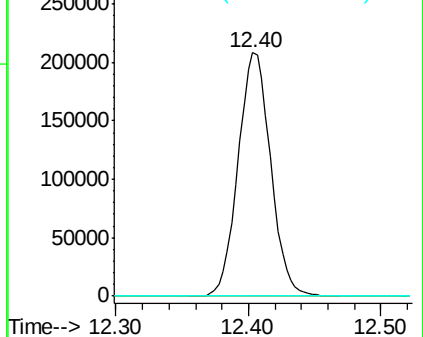
89 0.0 36.5 54.7#

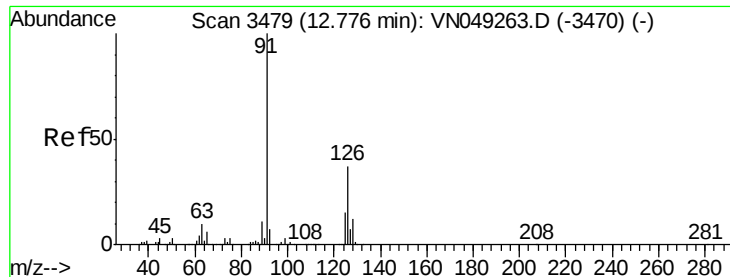


Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 53.00 (52.70 to 53.70): VNC

Ion 88.90 (88.60 to 89.60): VNC





#82

4-Chlorotoluene

Concen: 1.62 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

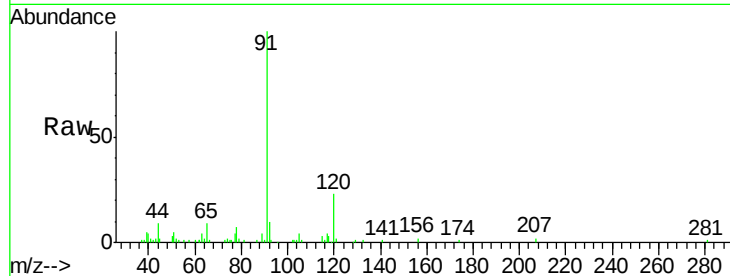
ClientSampleId :

Tot Ion: 91 Resp: 56381

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN049372.D (-3422) (-)

Ion 125.90 (125.60 to 126.60): VN049372.D (-3422) (-)

12.59

40000

30000

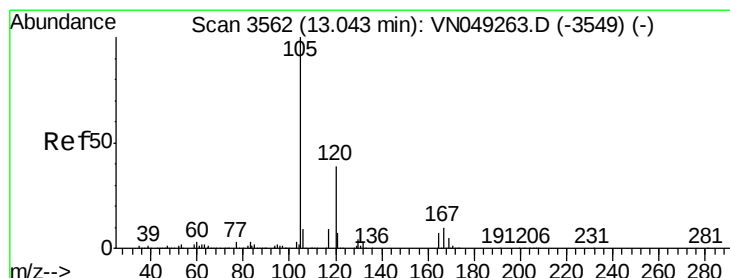
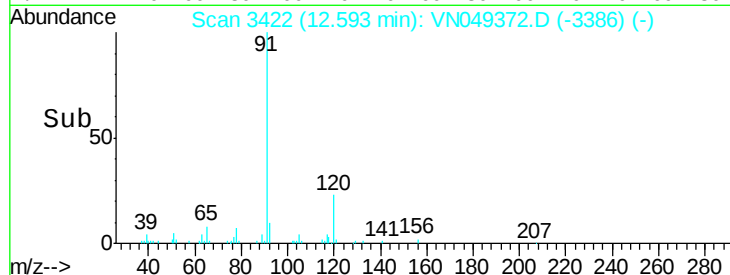
20000

10000

0

Time-->

12.55 12.60 12.65



#84

1,2,4-Trimethylbenzene

Concen: 0.24 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049372.D

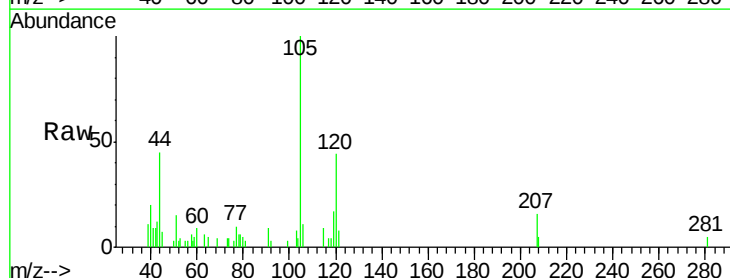
Acq: 19 Jun 2018 4:32

Tgt Ion: 105 Resp: 9633

Ion Ratio Lower Upper

105 100

120 45.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049372.D (-3562) (-)

Ion 120.00 (119.70 to 120.70): VN049372.D (-3562) (-)

13.04

6000

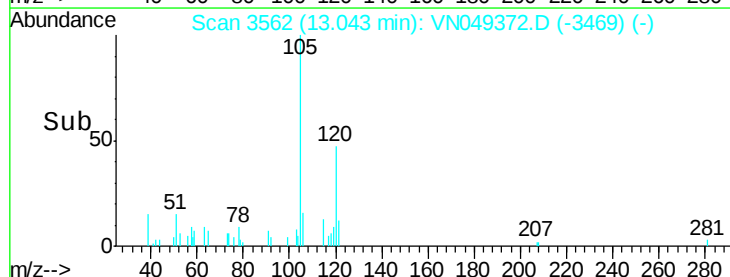
4000

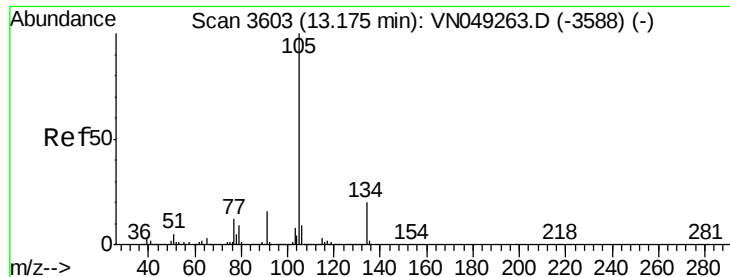
2000

0

Time-->

13.00 13.05





#85

sec-Butylbenzene

Concen: 0.59 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

Instrument :

MSVOA_N

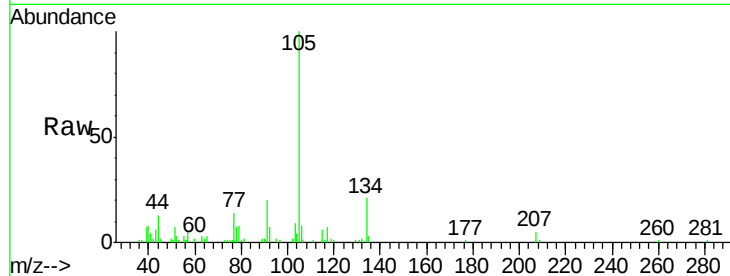
ClientSampleId :

Tot Ion:105 Resp: 28196

Ion Ratio Lower Upper

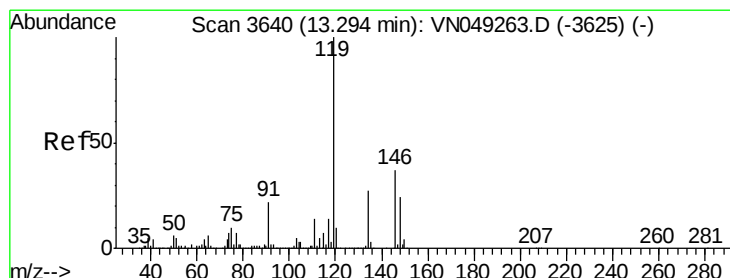
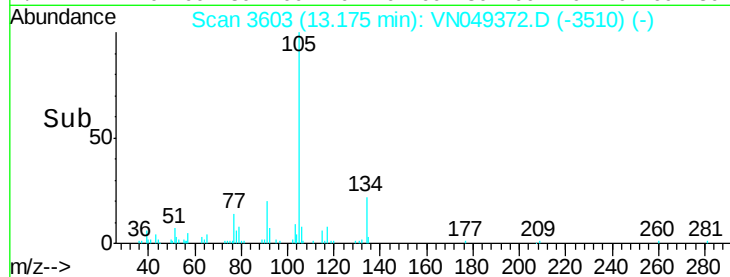
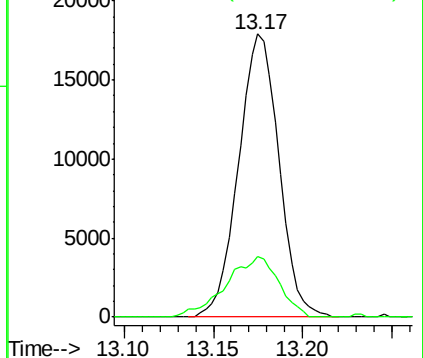
105 100

134 28.0 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.27 ug/l

RT: 13.45 min Scan# 3688

Delta R.T. 0.15 min

Lab File: VN049372.D

Acq: 19 Jun 2018 4:32

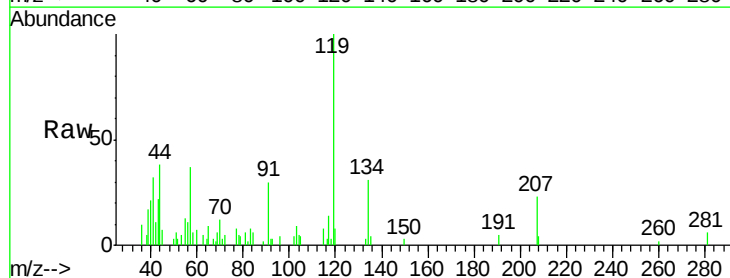
Tgt Ion:119 Resp: 10919

Ion Ratio Lower Upper

119 100

134 29.5 12.9 38.6

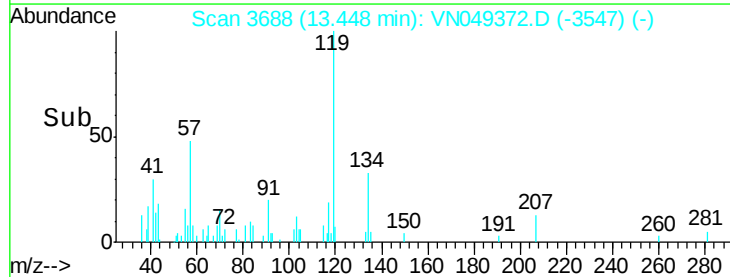
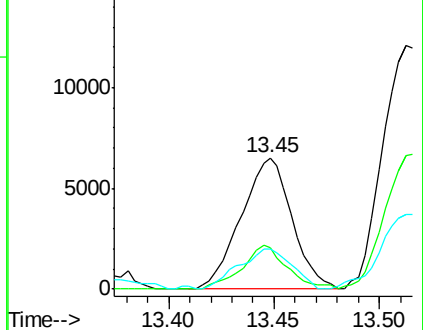
91 31.6 12.1 36.3

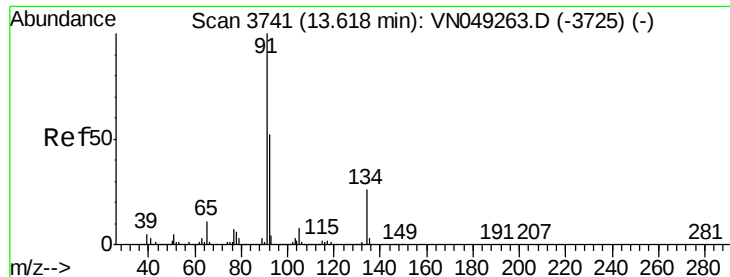


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

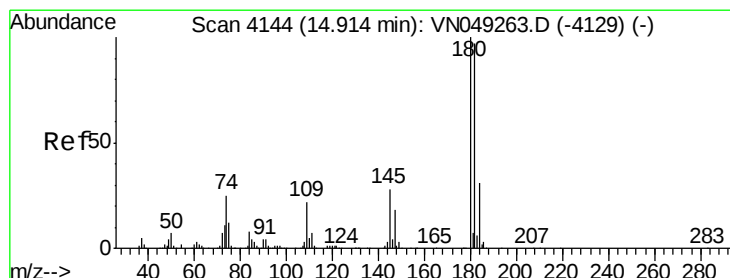
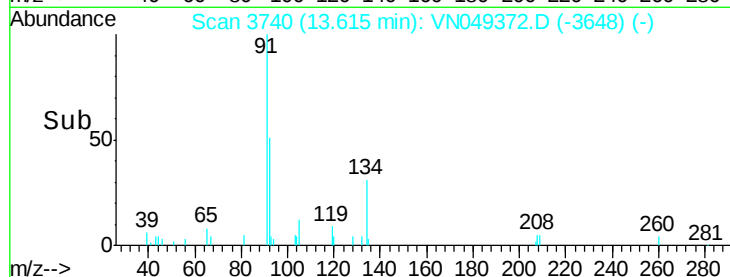
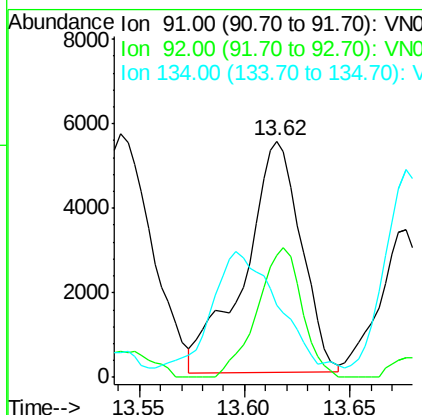
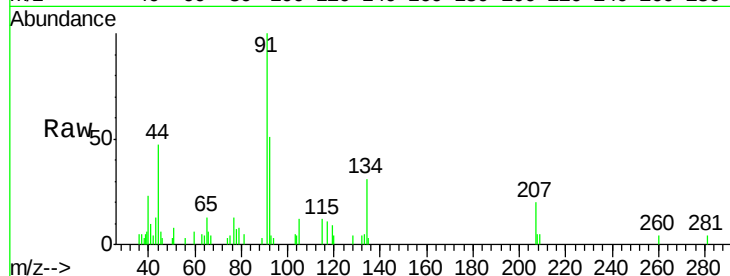




#89
n-Butylbenzene
Concen: 0.32 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

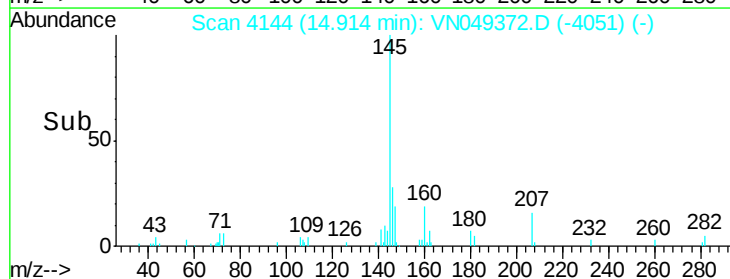
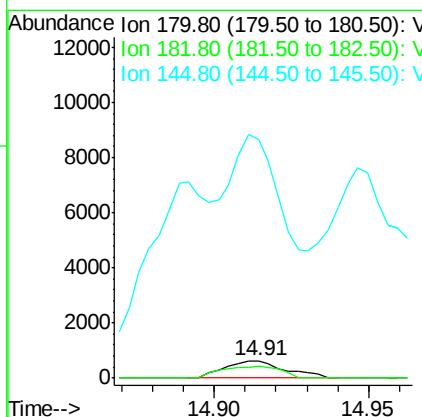
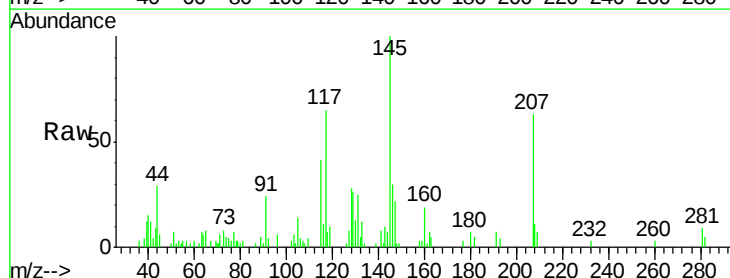
Instrument :
MSVOA_N
ClientSampleId :

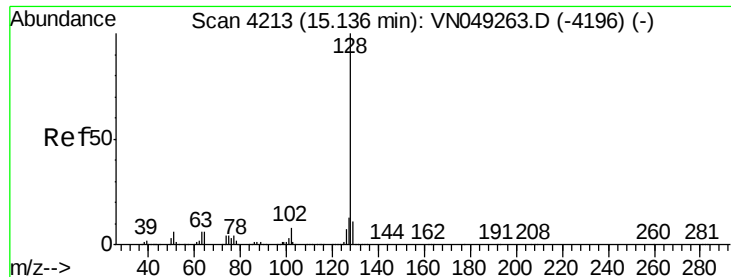
Tot Ion: 91 Resp: 10154
Ion Ratio Lower Upper
91 100
92 44.6 25.1 75.4
134 0.0 12.0 36.0#



#93
1,2,4-Trichlorobenzene
Concen: 4.82 ug/l
RT: 14.91 min Scan# 4144
Delta R.T. 0.00 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

Tgt Ion: 180 Resp: 854
Ion Ratio Lower Upper
180 100
182 67.1 46.9 140.8
145 1212.4 14.7 44.1#

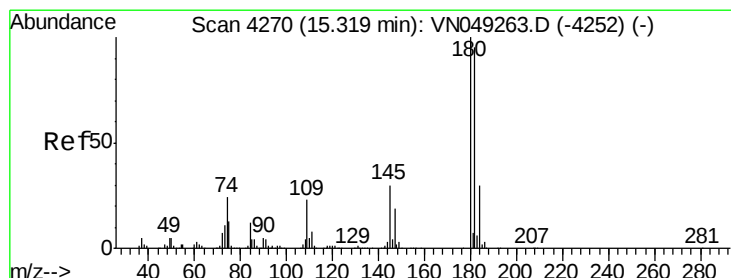
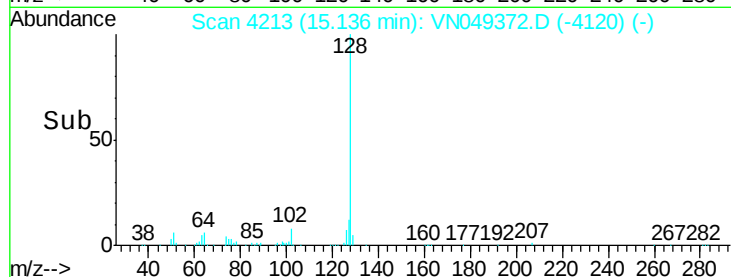
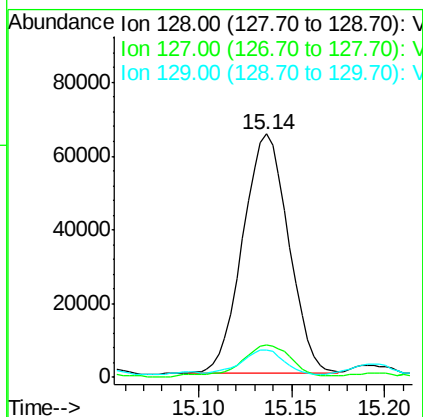
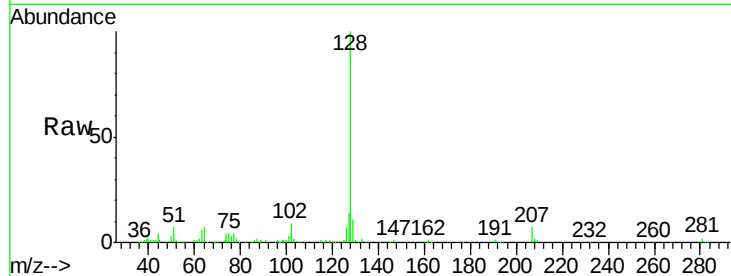




#95
Naphthalene
Concen: 8.79 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 111836
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 9.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 3.48 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049372.D
Acq: 19 Jun 2018 4:32

Tgt Ion:180 Resp: 212
Ion Ratio Lower Upper
180 100
182 261.8 47.3 141.8#
145 0.0 15.6 46.7#

