

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049320.D
 Acq On : 16 Jun 2018 19:55
 Operator : MD\SY
 Sample : J3564-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:21:39 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	1611862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2544612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2196548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	883416	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	1039546	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	7.59	113	944115	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	
50) Toluene-d8	10.09	98	3591889	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
62) 4-Bromofluorobenzene	12.40	95	1090437	42.07	ug/l	0.00
Spiked Amount			Recovery	=	84.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	3508	0.26	ug/l	91
11) Tert butyl alcohol	4.80	59	8985	7.16	ug/l #	76
13) Acrolein	3.60	56	287	0.22	ug/l	97
16) Acetone	3.82	43	21811	4.20	ug/l	91
17) Carbon Disulfide	4.06	76	12881	0.22	ug/l	96
18) Methyl Acetate	4.34	43	33537	2.12	ug/l #	87
31) Cyclohexane	7.66	56	43534	1.20	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	110980	3.81	ug/l #	50
38) Carbon Tetrachloride	7.67	117	146848	4.86	ug/l #	17
39) Methylcyclohexane	9.08	83	43474	1.39	ug/l	94
43) Isopropyl Acetate	8.22	43	171761	5.67	ug/l #	64
49) 1,4-Dioxane	9.20	88	259	1.32	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	17744	0.91	ug/l #	18
56) Ethyl methacrylate	10.44	69	8280	0.37	ug/l #	23
58) 2-Chloroethyl Vinyl ether	9.71	63	113	14.34	ug/l #	51
69) o-Xylene	11.95	106	8966	0.26	ug/l	98
73) Isopropylbenzene	12.25	105	250531	3.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.47	83	2634	Below Cal	#	29
76) 1,2,3-Trichloropropane	12.40	75	530898	35.22	ug/l #	100
77) Bromobenzene	12.55	156	49807	2.43	ug/l #	1
78) n-propylbenzene	12.59	91	423036	4.97	ug/l	98
79) 2-Chlorotoluene	12.59	91	423036	7.84	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.89	105	42946	0.70	ug/l	77
81) trans-1,4-Dichloro-2-buten	12.40	75	530898	111.32	ug/l #	8
82) 4-Chlorotoluene	12.59	91	423036	8.13	ug/l #	43
83) tert-Butylbenzene	12.99	119	66988	1.24	ug/l	98
84) 1,2,4-Trimethylbenzene	12.89	105	42946	0.71	ug/l	80
85) sec-Butylbenzene	13.17	105	436327	6.07	ug/l	84
86) p-Isopropyltoluene	13.44	119	312108	5.20	ug/l	97
89) n-Butylbenzene	13.62	91	108680	2.32	ug/l #	66
90) Hexachloroethane	13.89	117	225171	18.75	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.29	75	1926	0.71	ug/l #	18
93) 1,2,4-Trichlorobenzene	14.90	180	972	4.80	ug/l #	1
94) Hexachlorobutadiene	15.01	225	65	Below Cal	#	22

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

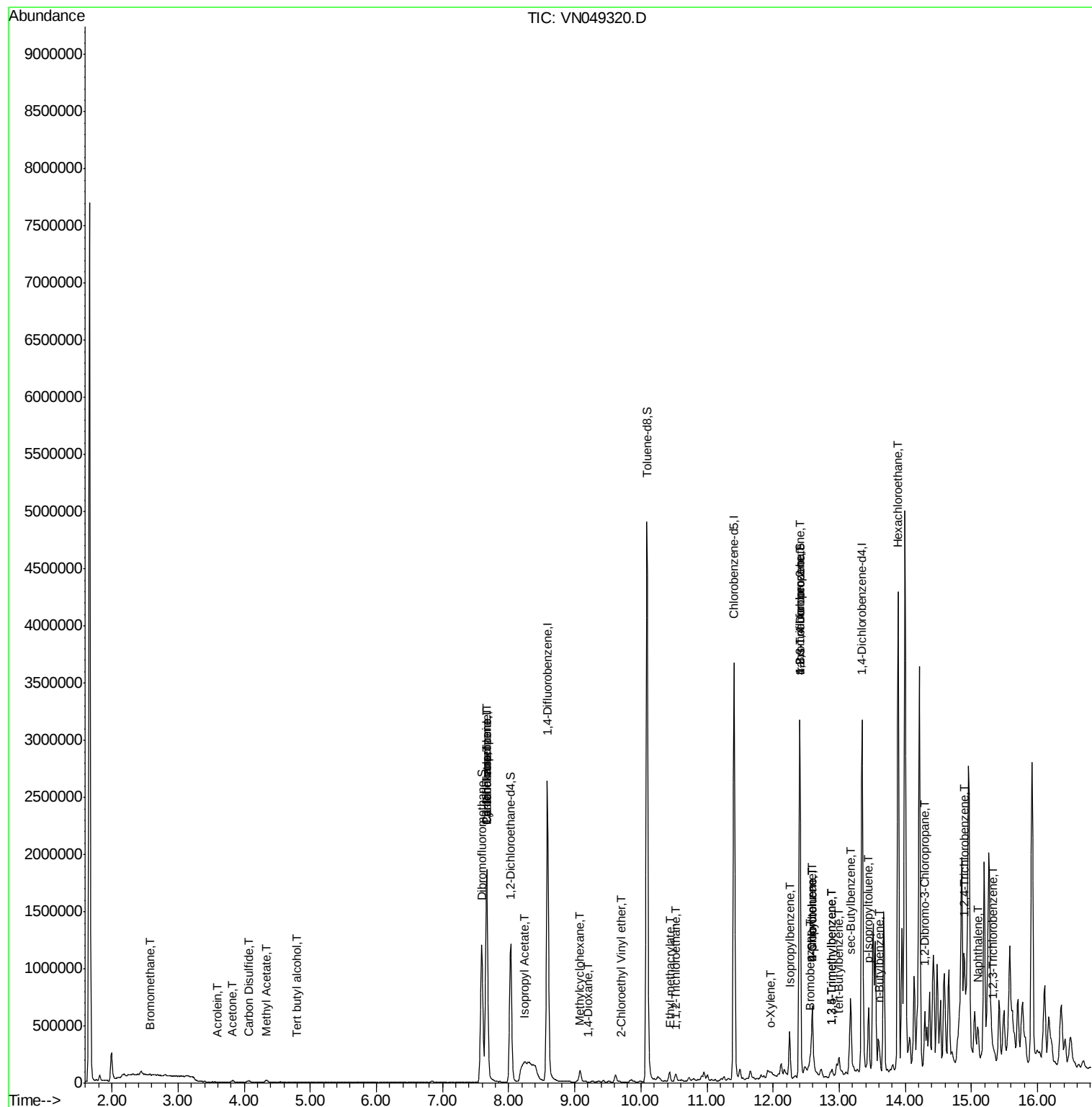
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.11	128	13601	2.63	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.33	180	728	3.50	ug/l #	13

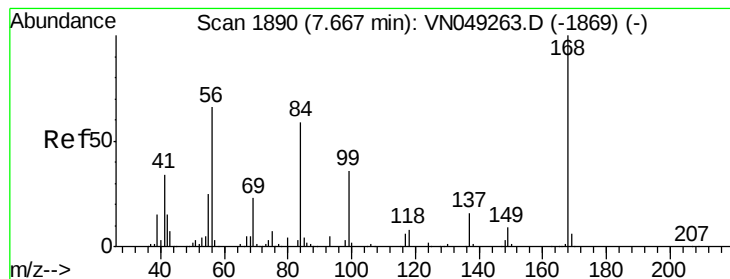
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

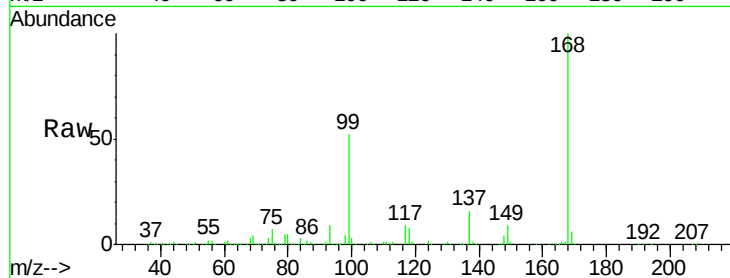
ClientSampled :

Tot Ion:168 Resp: 1611862

Ion Ratio Lower Upper

168 100

99 52.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

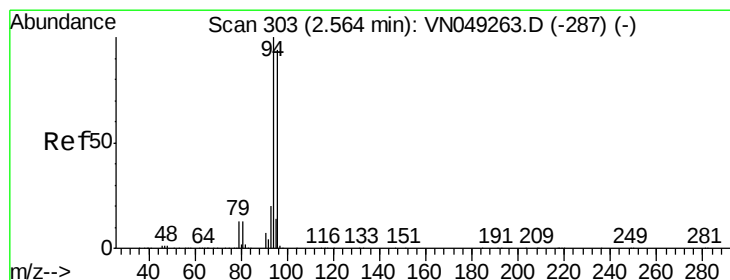
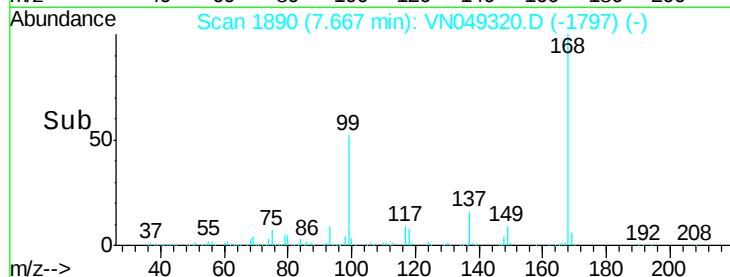
600000

400000

200000

0

Time-->



#5

Bromomethane

Concen: 0.26 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049320.D

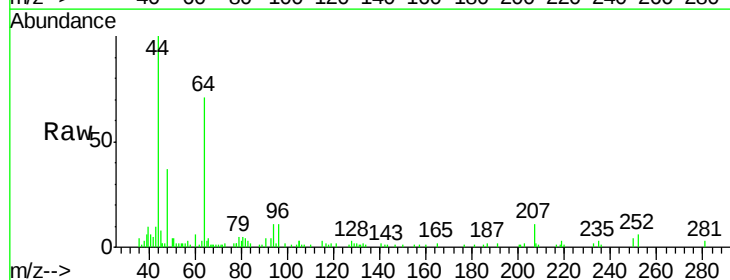
Acq: 16 Jun 2018 19:55

Tgt Ion: 94 Resp: 3508

Ion Ratio Lower Upper

94 100

96 100.0 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.58

2000

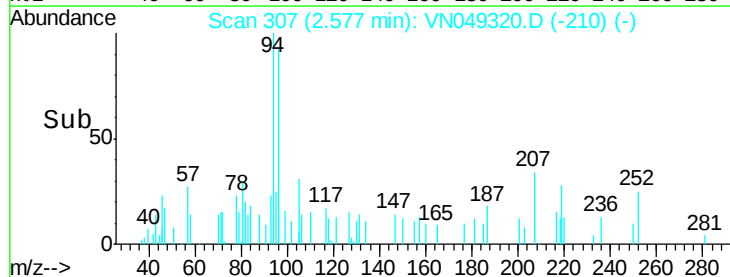
1500

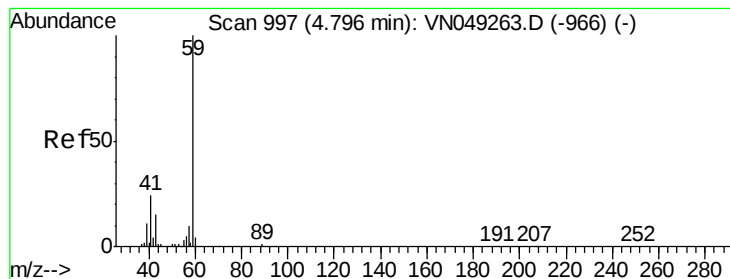
1000

500

0

Time-->



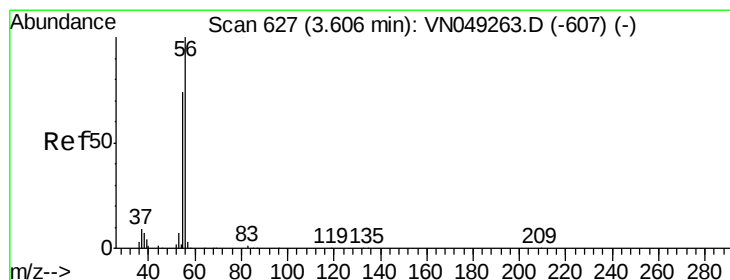
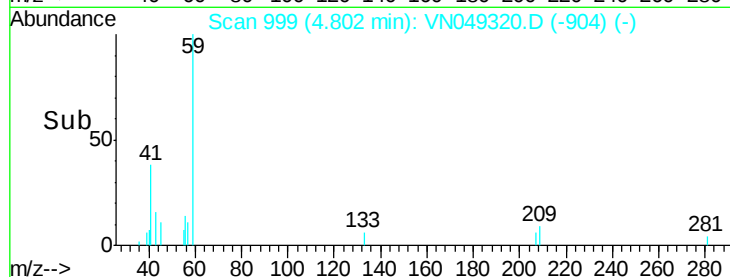
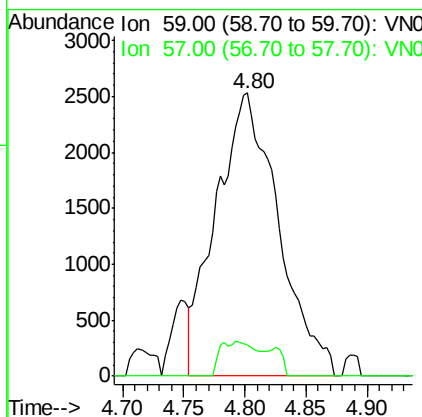
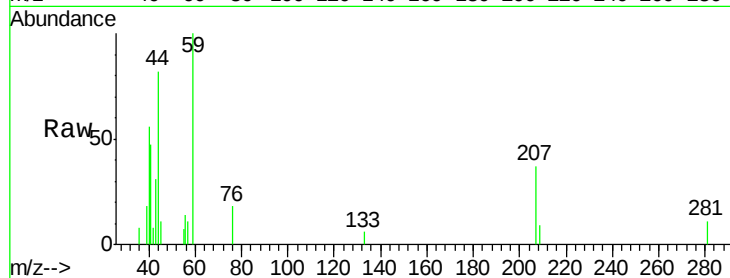


#11

Tert butyl alcohol
Concen: 7.16 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN049320.D
Acq: 16 Jun 2018 19:55

Instrument :
MSVOA_N
ClientSampled :

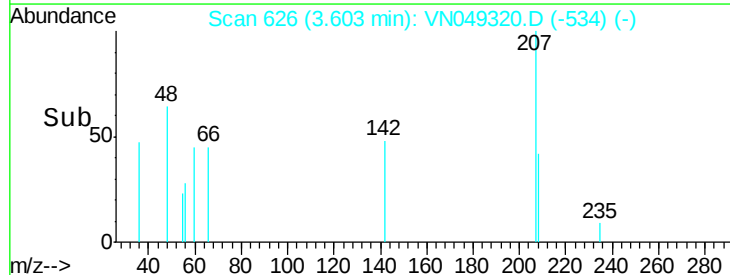
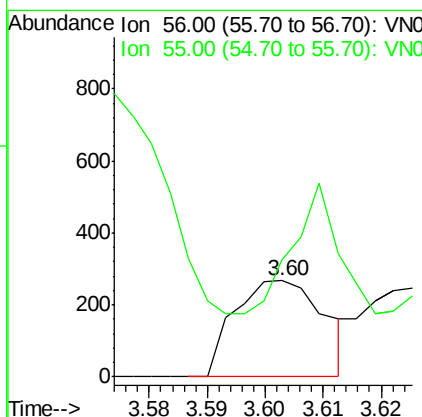
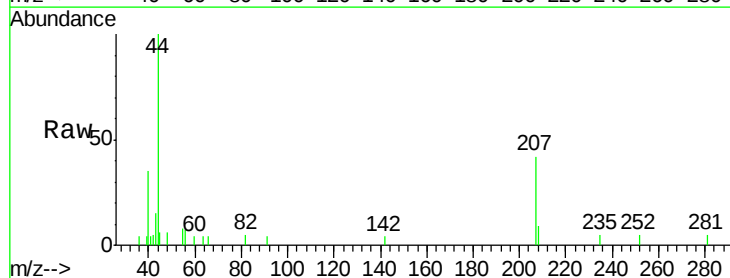
Tot Ion: 59 Resp: 8985
Ion Ratio Lower Upper
59 100
57 2.2 9.0 13.6#

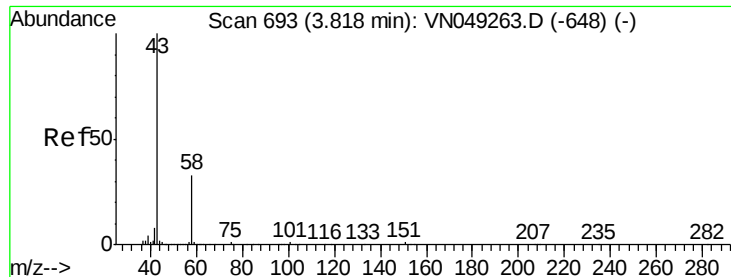


#13

Acrolein
Concen: 0.22 ug/l
RT: 3.60 min Scan# 626
Delta R.T. -0.00 min
Lab File: VN049320.D
Acq: 16 Jun 2018 19:55

Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 69.0 57.1 85.7





#16

Acetone

Concen: 4.20 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

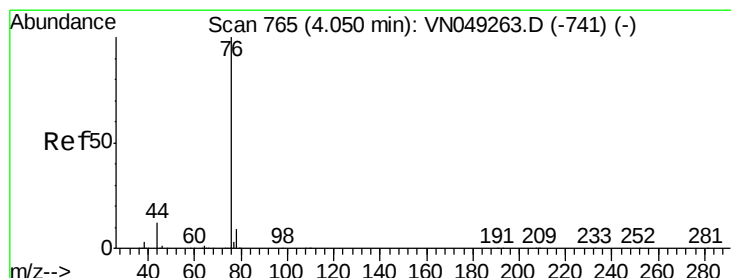
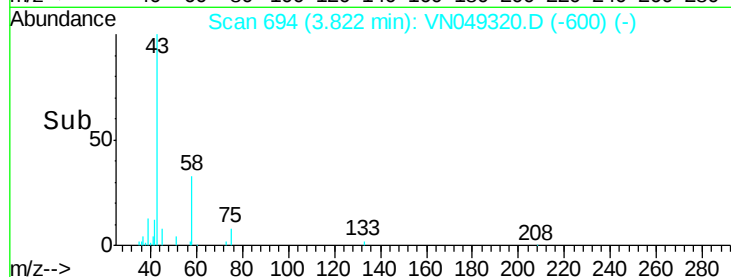
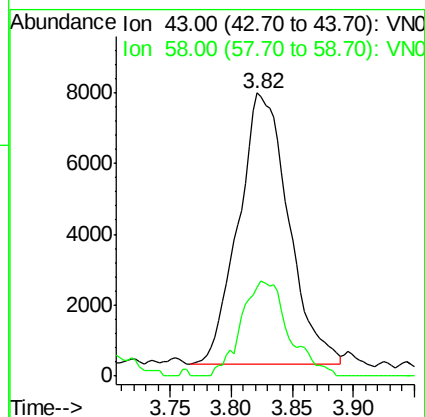
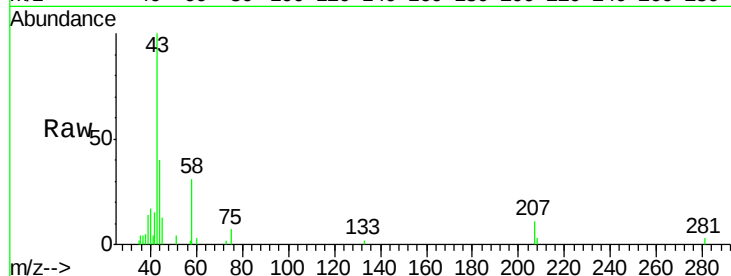
ClientSampleId :

Tot Ion: 43 Resp: 21811

Ion Ratio Lower Upper

43 100

58 32.8 22.4 33.6



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 4.06 min Scan# 767

Delta R.T. 0.01 min

Lab File: VN049320.D

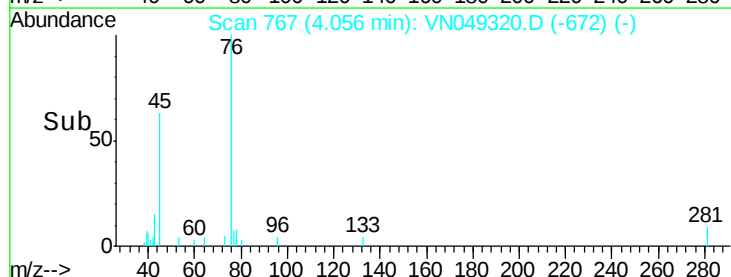
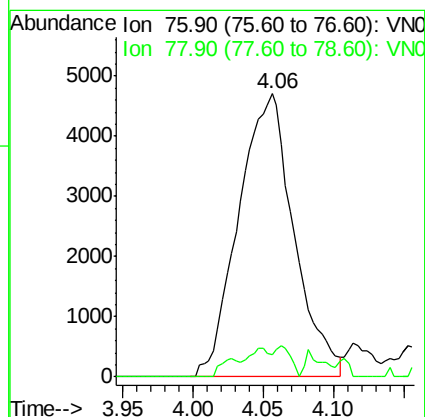
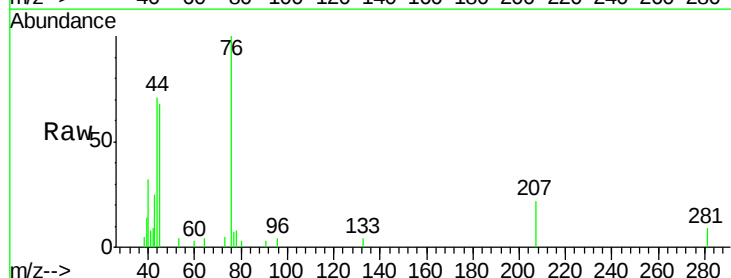
Acq: 16 Jun 2018 19:55

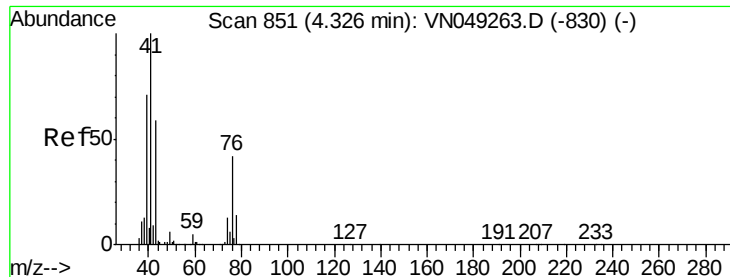
Tgt Ion: 76 Resp: 12881

Ion Ratio Lower Upper

76 100

78 7.7 7.4 11.0

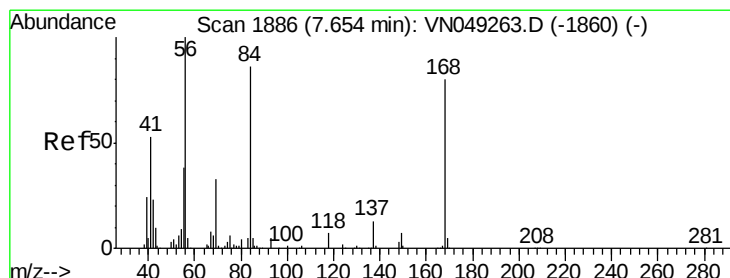
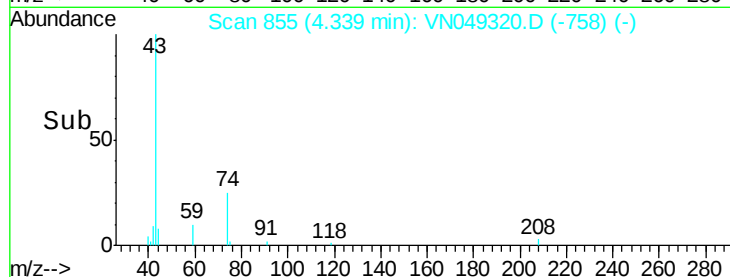
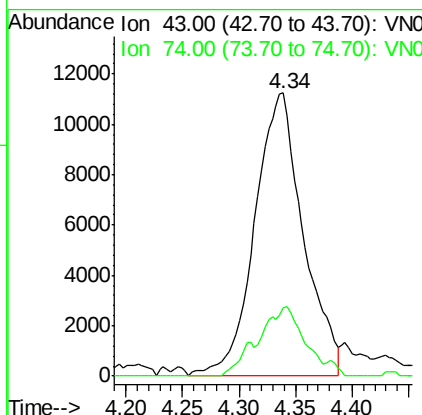
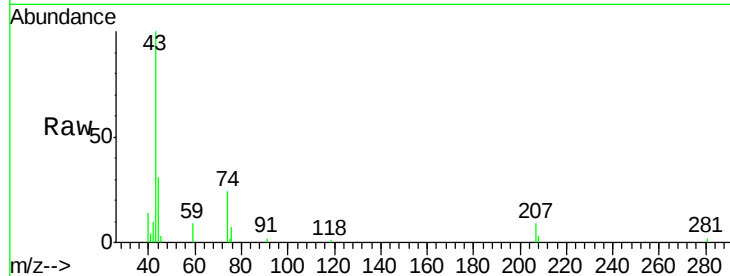




#18
Methvl Acetate
Concen: 2.12 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN049320.D
Acq: 16 Jun 2018 19:55

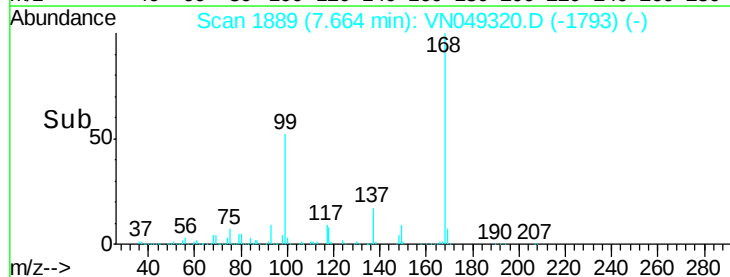
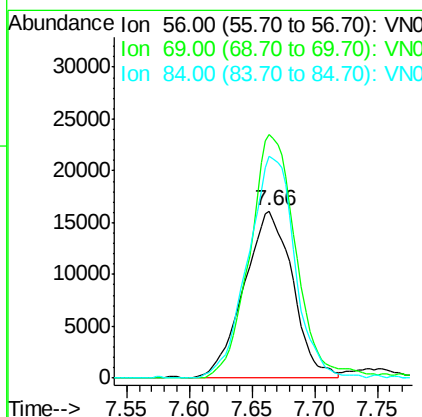
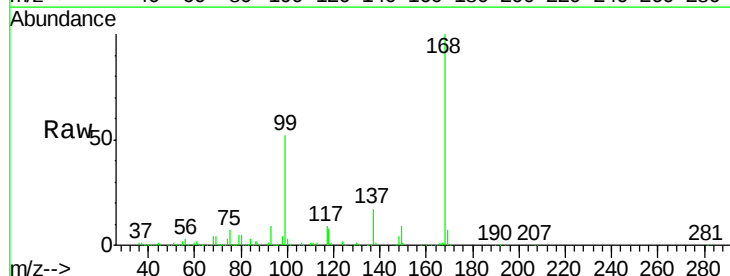
Instrument :
MSVOA_N
ClientSampleId :

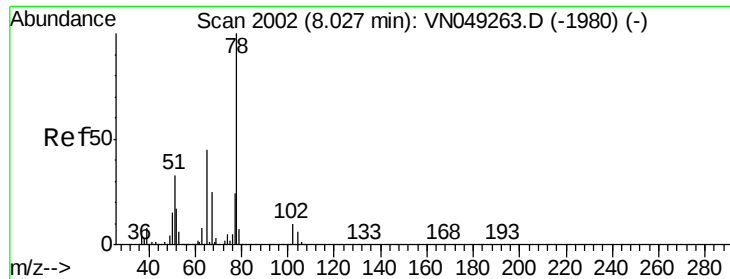
Tot Ion: 43 Resp: 33537
Ion Ratio Lower Upper
43 100
74 15.4 17.4 26.0#



#31
Cyclohexane
Concen: 1.20 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049320.D
Acq: 16 Jun 2018 19:55

Tgt Ion: 56 Resp: 43534
Ion Ratio Lower Upper
56 100
69 145.4 25.0 37.4#
84 132.2 64.6 96.8#





#33

1,2-Dichloroethane-d4

Concen: 48.63 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

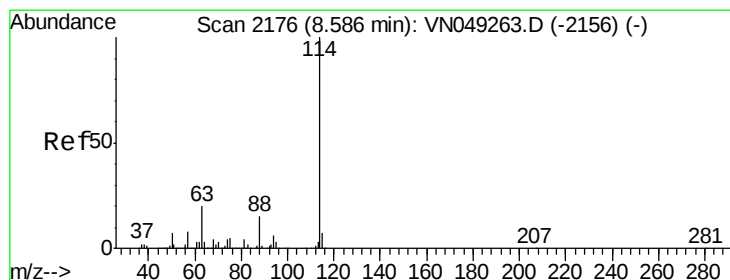
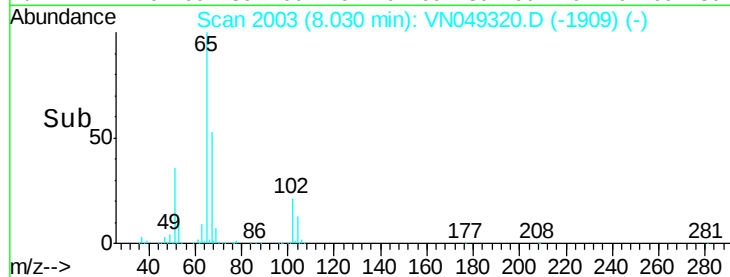
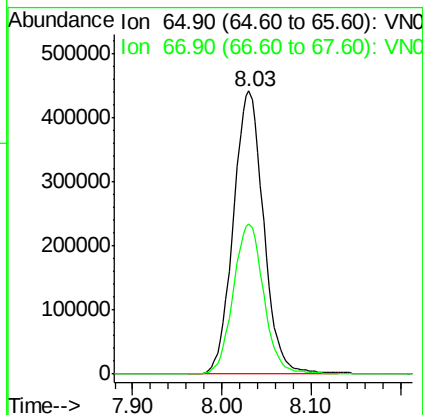
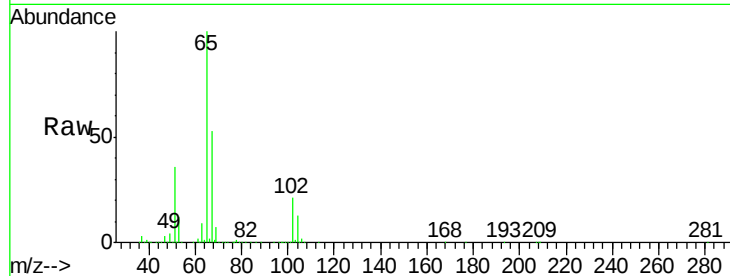
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 1039546

Ion Ratio Lower Upper

65 100

67 53.7 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: VN049320.D

Acq: 16 Jun 2018 19:55

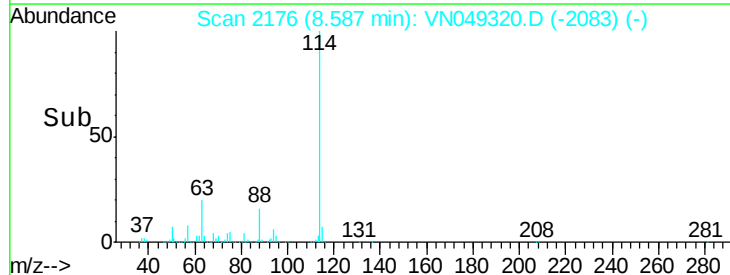
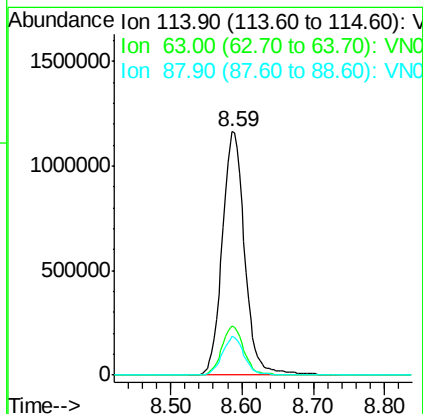
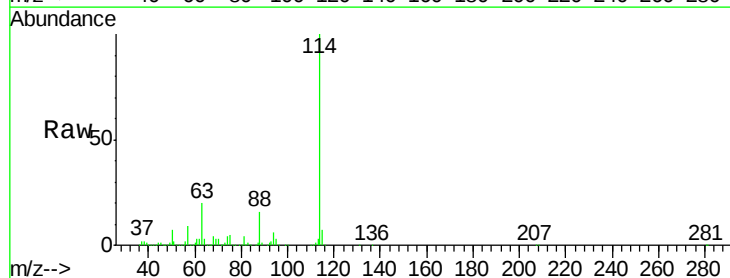
Tgt Ion: 114 Resp: 2544612

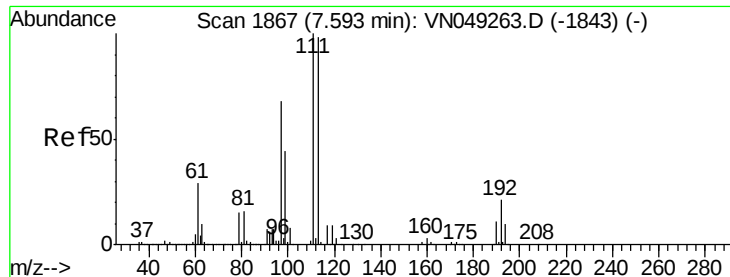
Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.4

88 15.7 0.0 31.4

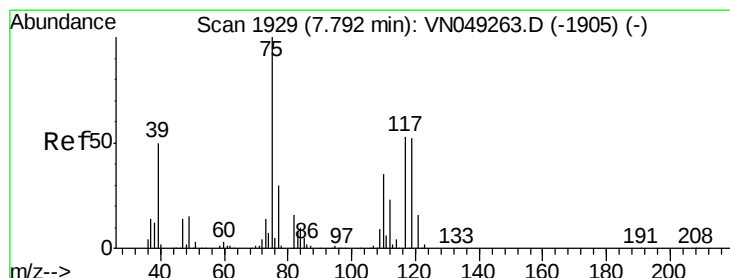
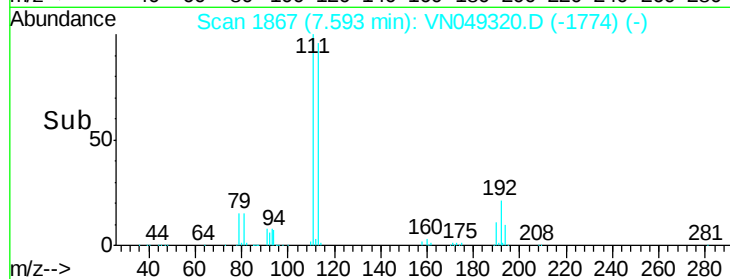
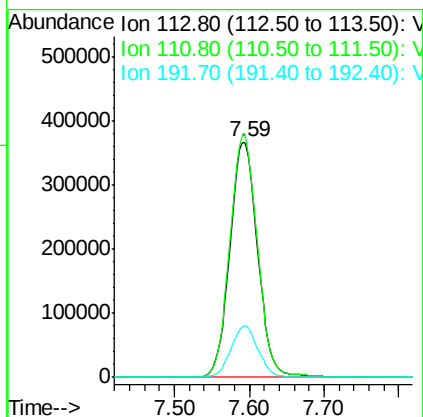
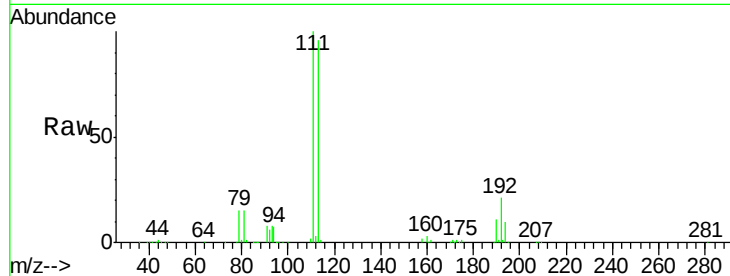




#35
 Dibromofluoromethane
 Concen: 45.86 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049320.D
 Acq: 16 Jun 2018 19:55

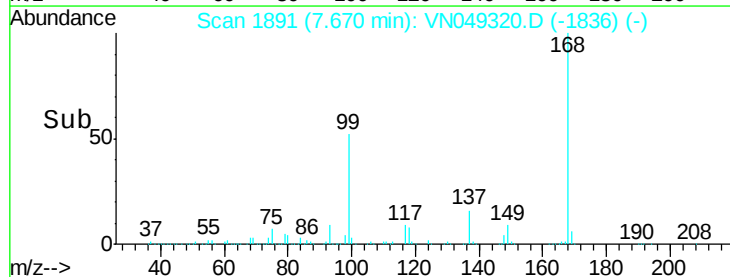
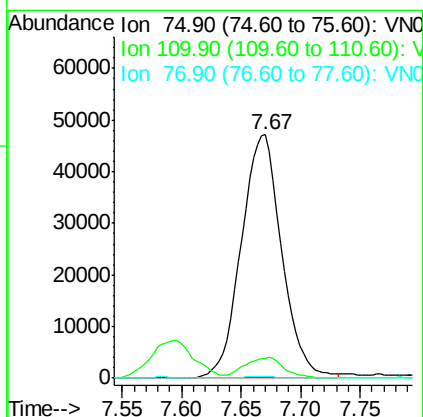
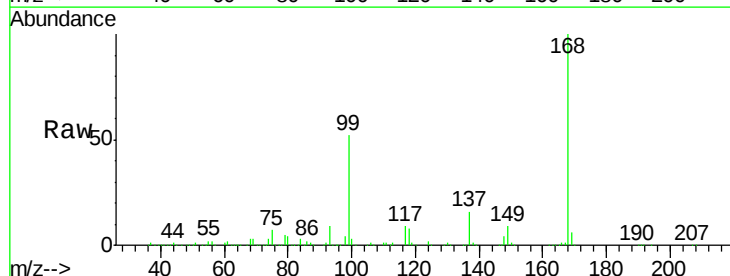
Instrument :
 MSVOA_N
 ClientSampleId :

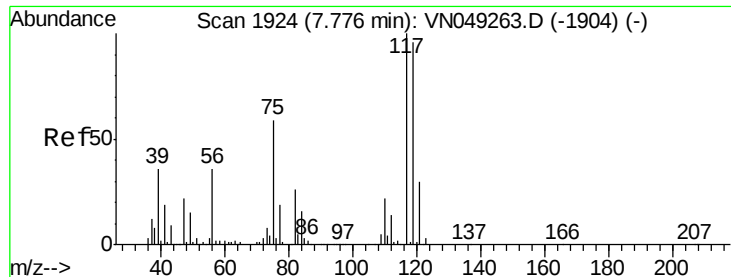
Tot Ion:113 Resp: 944115
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 21.5 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049320.D
 Acq: 16 Jun 2018 19:55

Tgt Ion: 75 Resp: 110980
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.0 50.9#
 77 0.5 24.4 36.6#

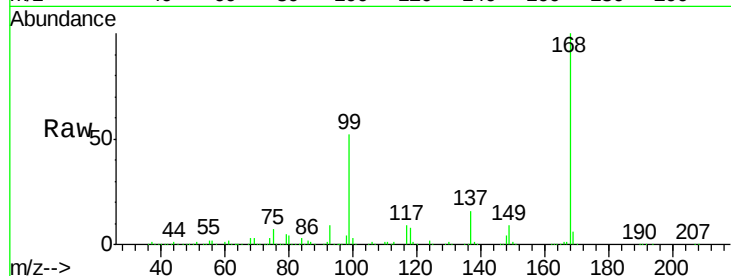




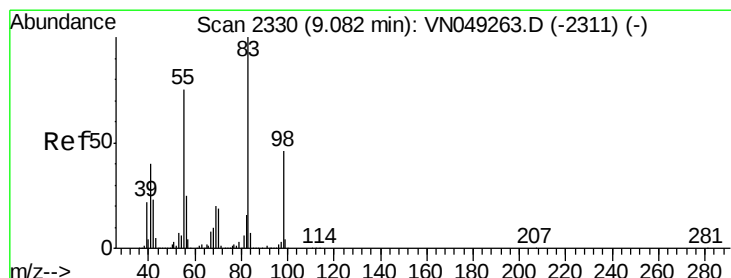
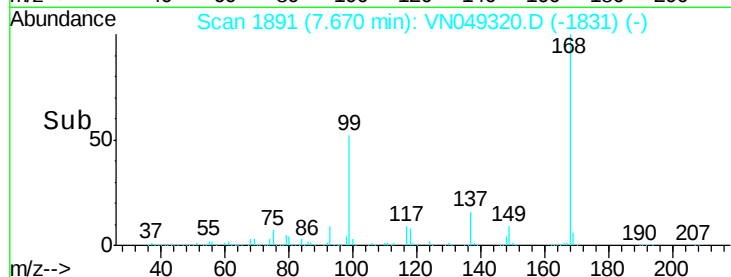
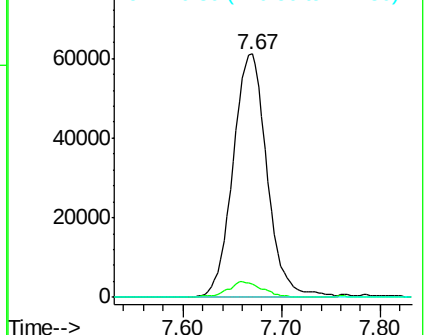
#38
Carbon Tetrachloride
Concen: 4.86 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049320.D
Acq: 16 Jun 2018 19:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 146848
Ion Ratio Lower Upper
117 100
119 5.4 75.6 113.4#
121 0.0 24.7 37.1#

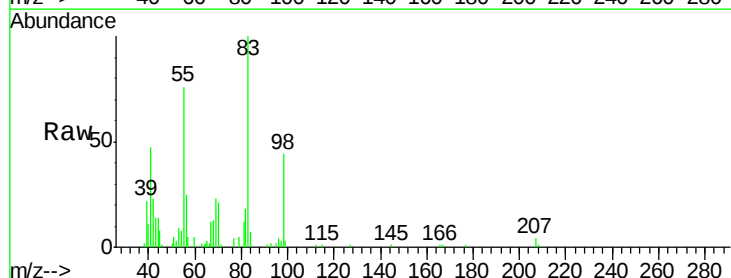


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

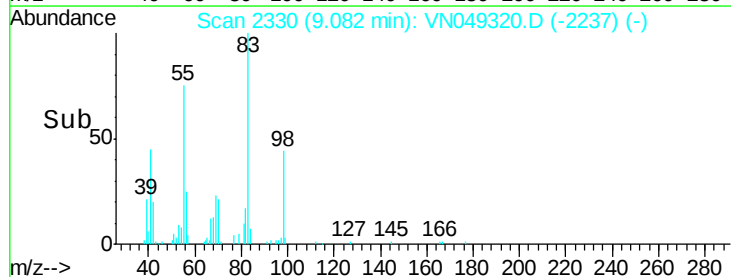
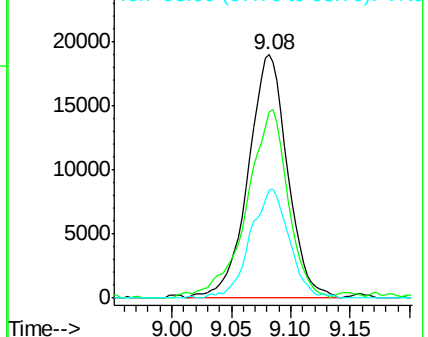


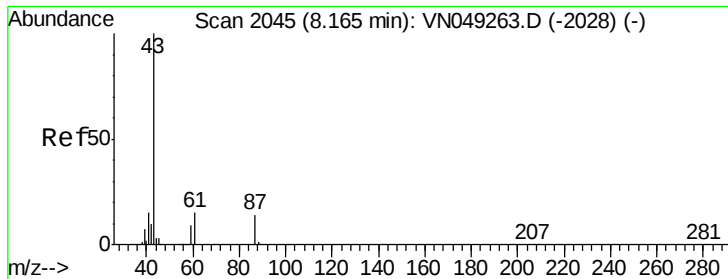
#39
Methylcyclohexane
Concen: 1.39 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049320.D
Acq: 16 Jun 2018 19:55

Tgt Ion: 83 Resp: 43474
Ion Ratio Lower Upper
83 100
55 74.5 65.1 97.7
98 44.5 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V

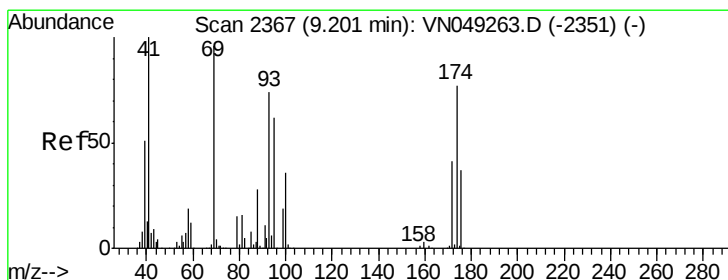
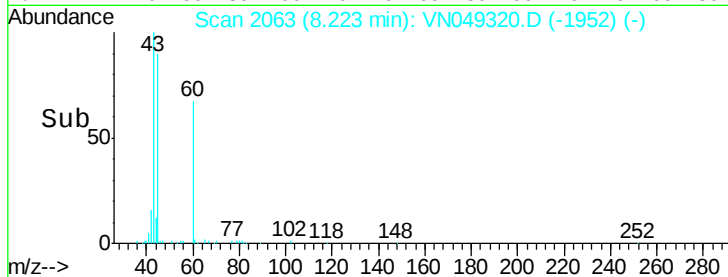
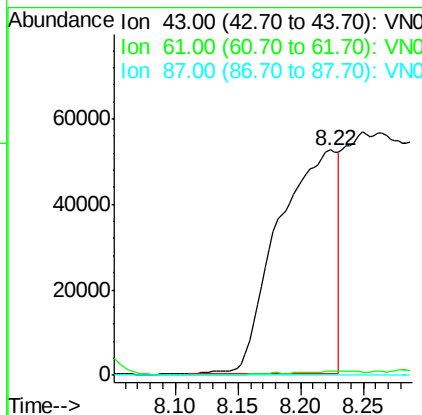
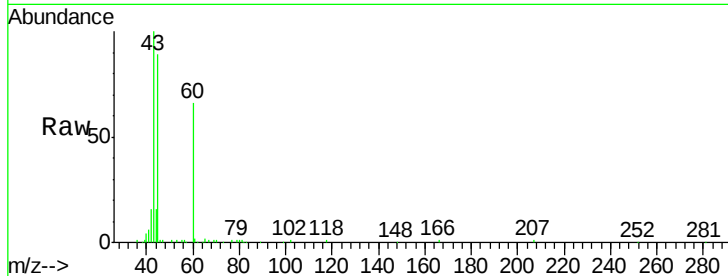




#43
Isopropyl Acetate
Concen: 5.67 ug/l
RT: 8.22 min Scan# 2063
Delta R.T. 0.06 min
Lab File: VN049320.D
Acq: 16 Jun 2018 19:55

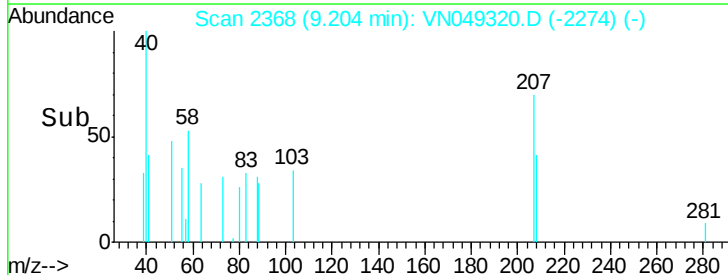
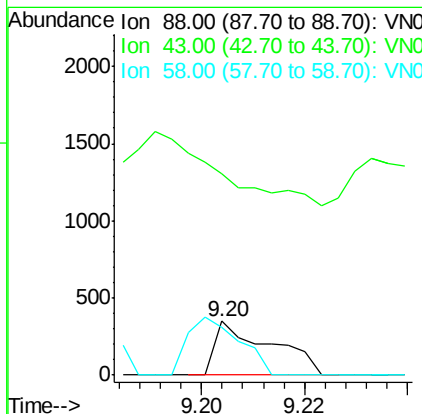
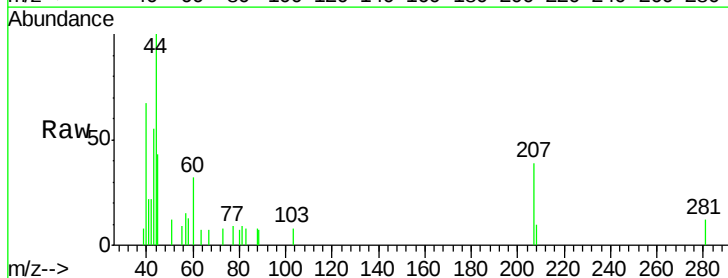
Instrument :
MSVOA_N
ClientSampleId :

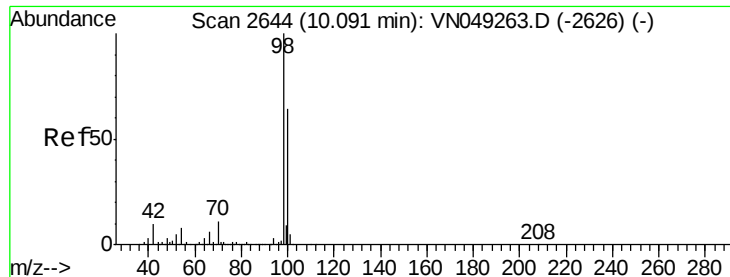
Tot Ion: 43 Resp: 171761
Ion Ratio Lower Upper
43 100
61 0.6 14.2 21.4#
87 0.0 9.4 14.0#



#49
1,4-Dioxane
Concen: 1.32 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049320.D
Acq: 16 Jun 2018 19:55

Tgt Ion: 88 Resp: 259
Ion Ratio Lower Upper
88 100
43 232.0 30.9 46.3#
58 101.9 58.9 88.3#





#50

Toluene-d8

Concen: 45.82 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

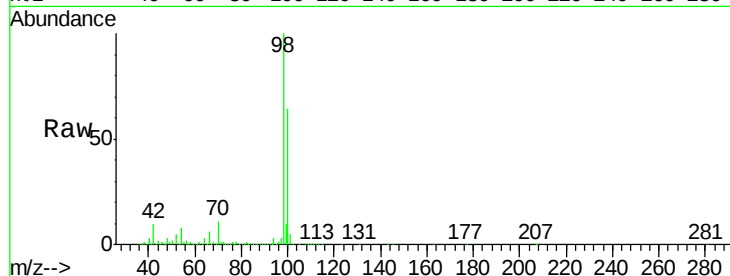
ClientSampleId :

Tot Ion: 98 Resp: 3591889

Ion Ratio Lower Upper

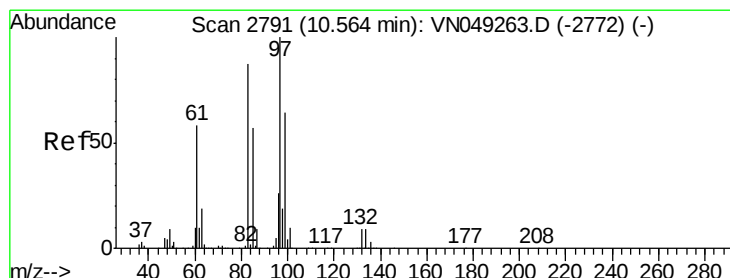
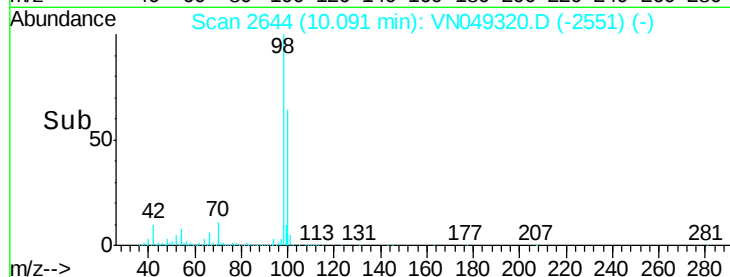
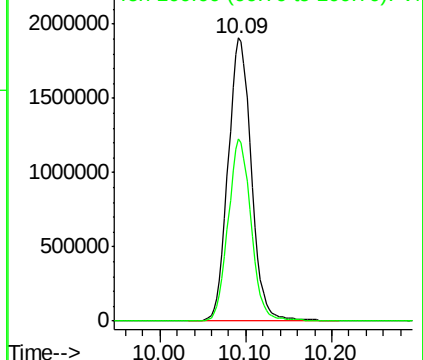
98 100

100 63.6 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#55

1,1,2-Trichloroethane

Concen: 0.91 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Tgt Ion: 97 Resp: 17744

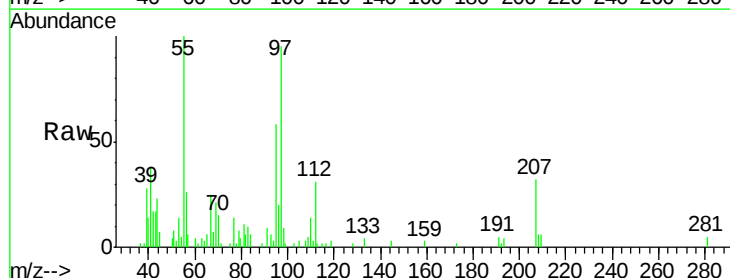
Ion Ratio Lower Upper

97 100

83 8.5 71.5 107.3#

85 0.0 47.0 70.4#

99 2.2 51.4 77.2#

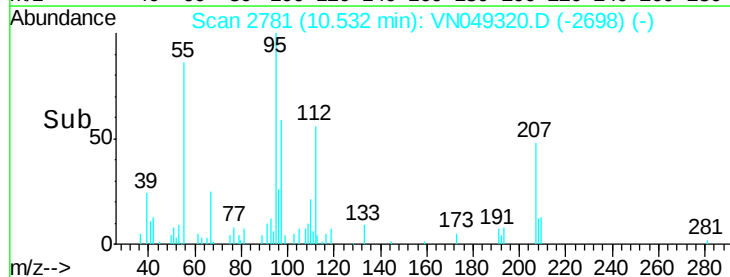
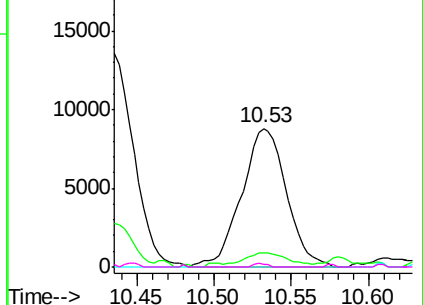


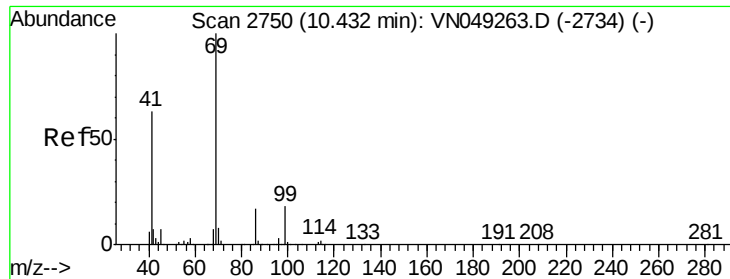
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 0.37 ug/l

RT: 10.44 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

ClientSampled :

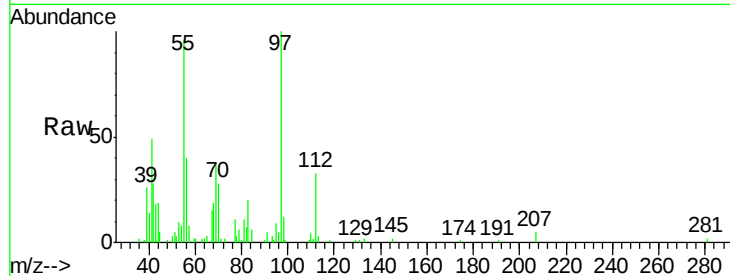
Tot Ion: 69 Resp: 8280

Ion Ratio Lower Upper

69 100

41 150.0 58.4 87.6#

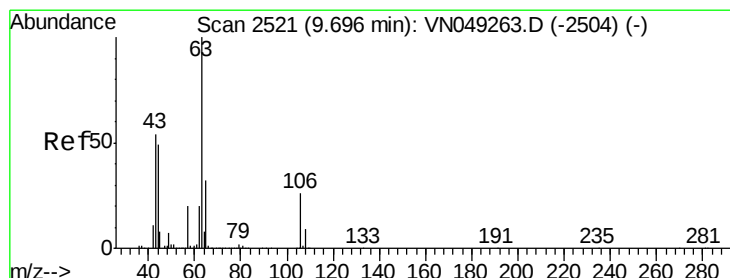
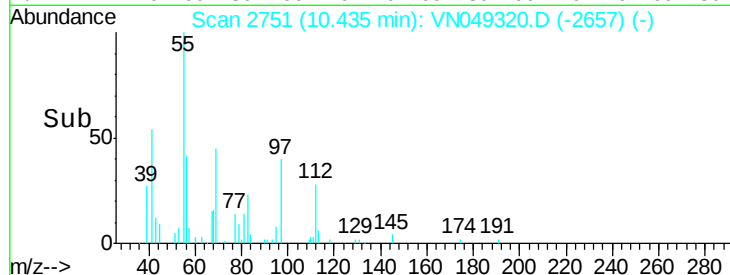
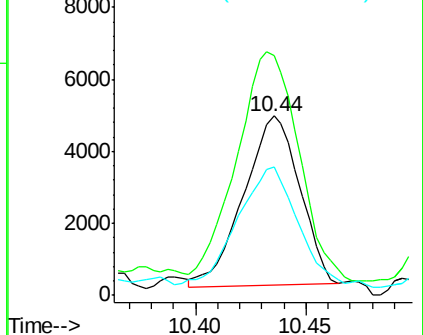
39 78.0 35.5 53.3#



Abundance Ion 69.00 (68.70 to 69.70): VN049320.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049320.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049320.D (-2657) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 14.34 ug/l

RT: 9.71 min Scan# 2526

Delta R.T. 0.02 min

Lab File: VN049320.D

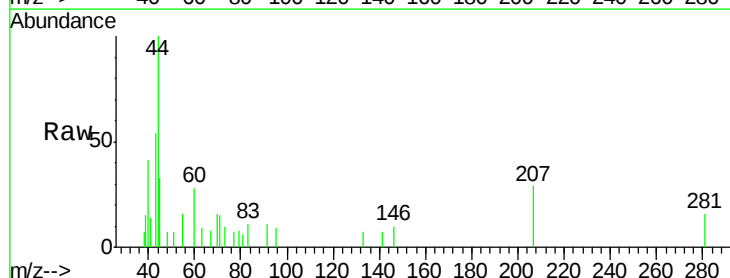
Acq: 16 Jun 2018 19:55

Tgt Ion: 63 Resp: 113

Ion Ratio Lower Upper

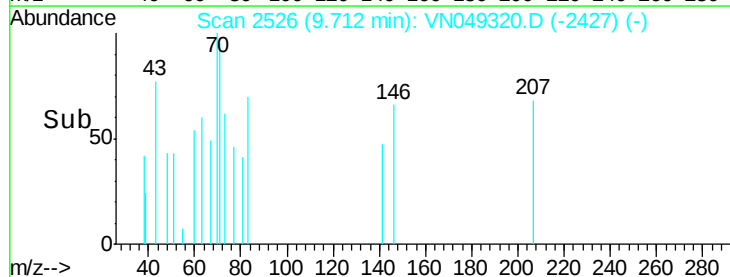
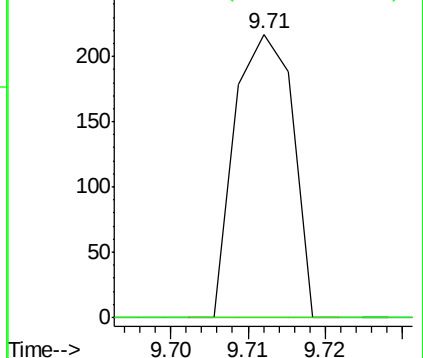
63 100

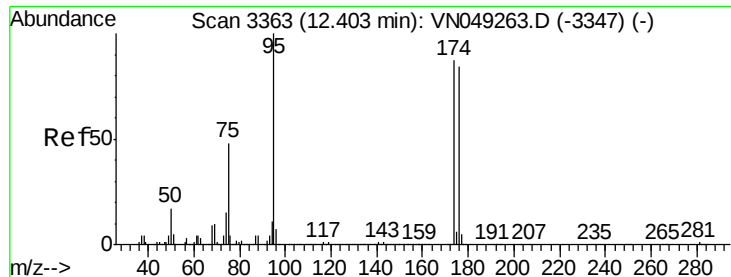
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049320.D (-2427) (-)

Ion 105.90 (105.60 to 106.60): VN049320.D (-2427) (-)





#62

4-Bromofluorobenzene

Concen: 42.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

ClientSampled :

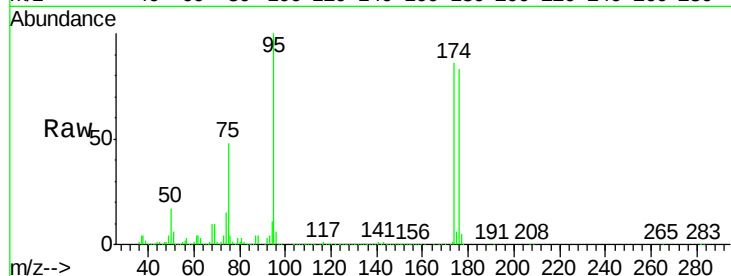
Tot Ion: 95 Resp: 1090437

Ion Ratio Lower Upper

95 100

174 88.0 0.0 165.6

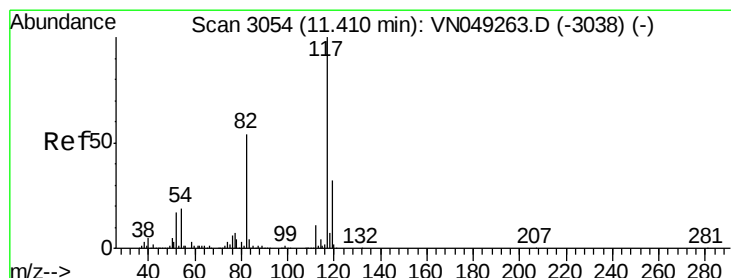
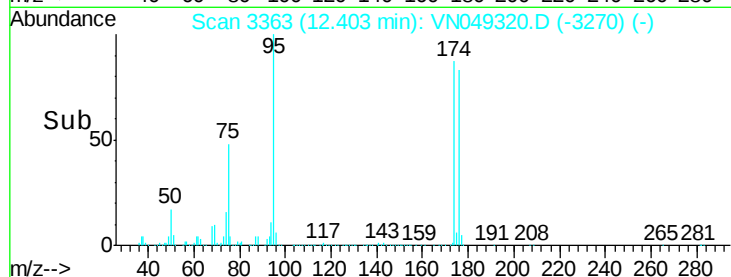
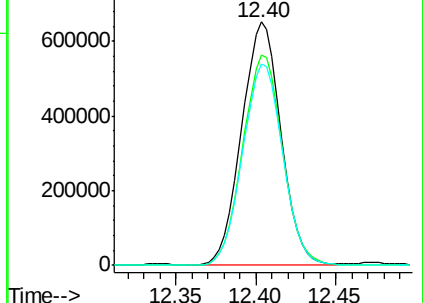
176 85.0 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049320.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049320.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049320.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

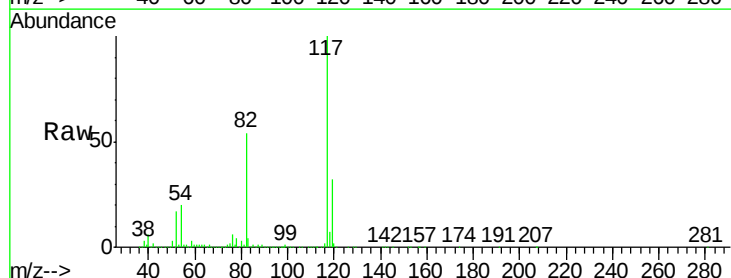
Tgt Ion: 117 Resp: 2196548

Ion Ratio Lower Upper

117 100

82 54.4 45.9 68.9

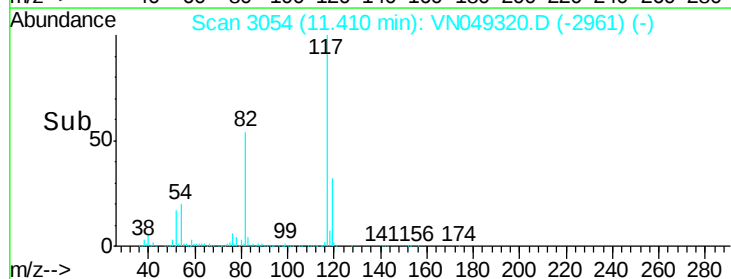
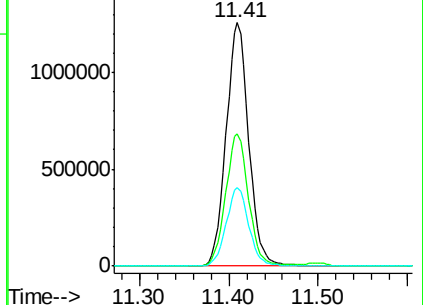
119 32.2 25.5 38.3

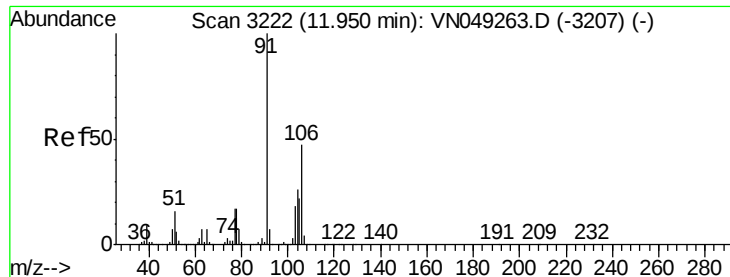


Abundance Ion 116.90 (116.60 to 117.60): VN049320.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049320.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049320.D (-2961) (-)





#69

o-Xylene

Concen: 0.26 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

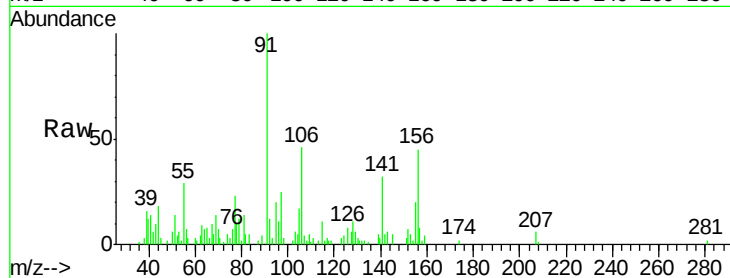
ClientSampled :

Tot Ion:106 Resp: 8966

Ion Ratio Lower Upper

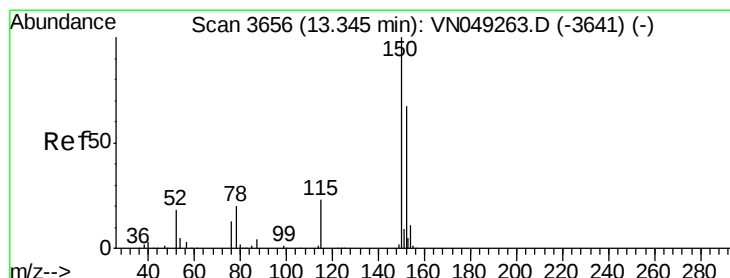
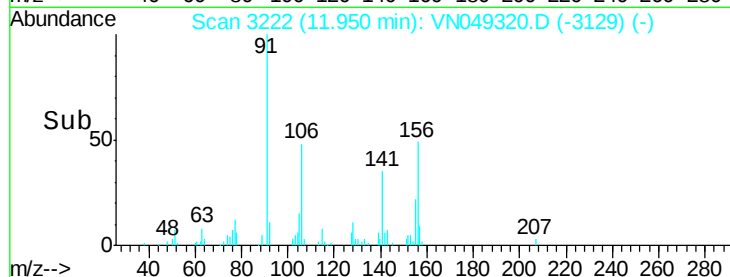
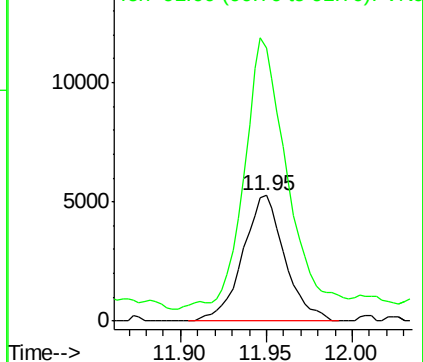
106 100

91 218.1 111.0 333.0



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# 3656

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

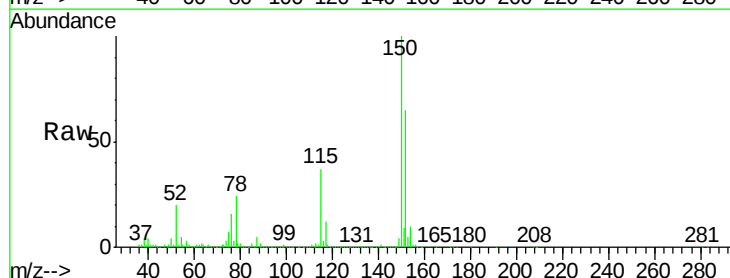
Tgt Ion:152 Resp: 883416

Ion Ratio Lower Upper

152 100

115 57.2 28.7 86.1

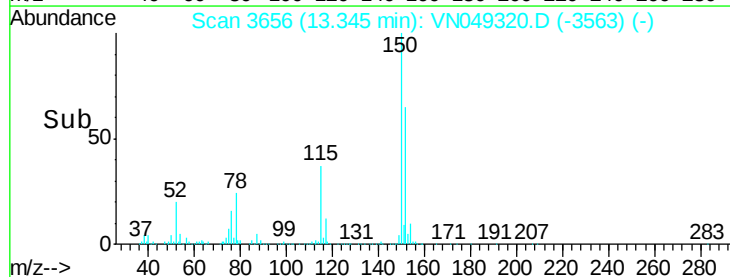
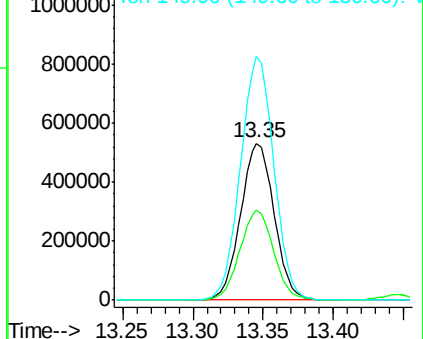
150 155.2 0.0 351.0

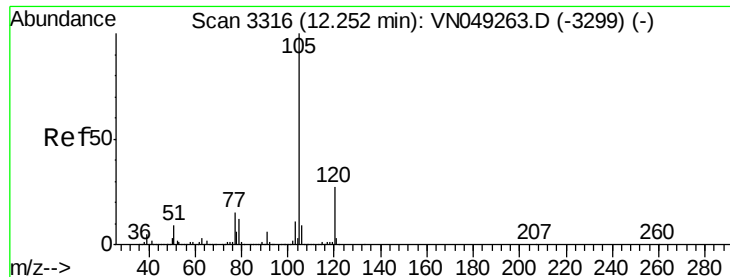


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.23 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

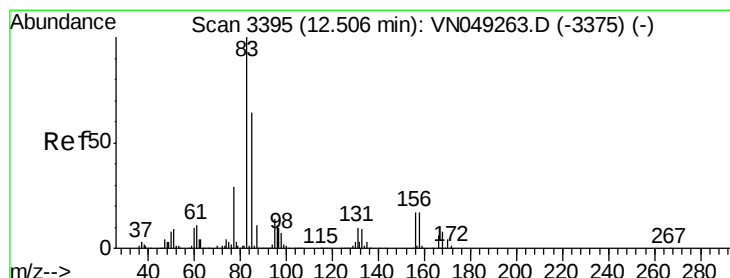
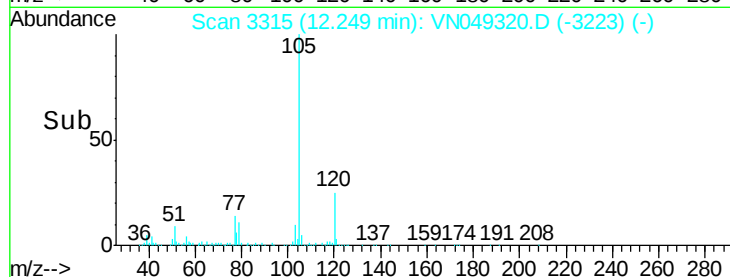
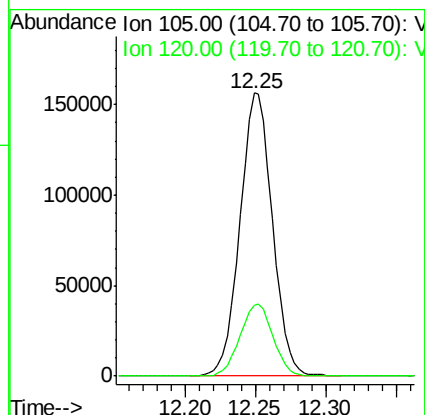
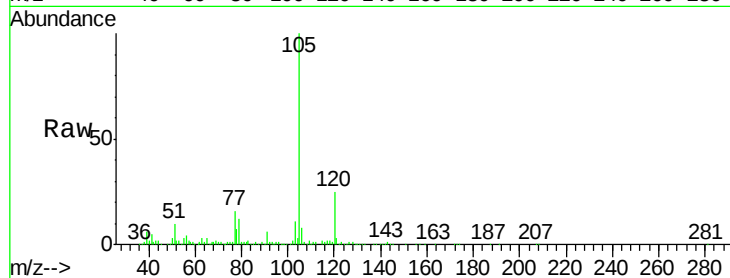
ClientSampleId :

Tot Ion:105 Resp: 250531

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.3



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3383

Delta R.T. -0.04 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

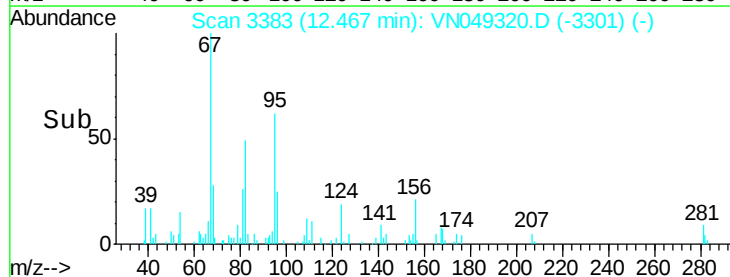
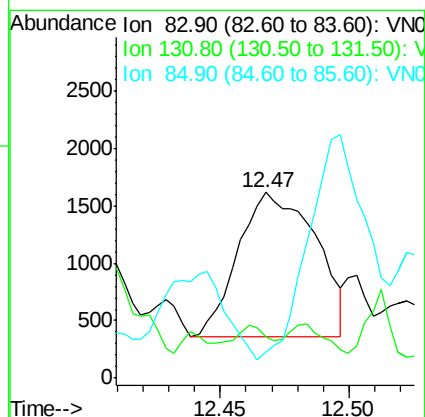
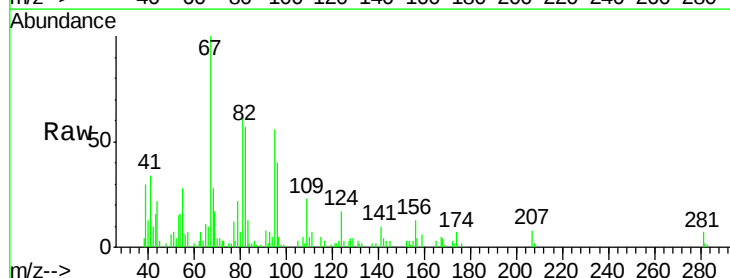
Tgt Ion: 83 Resp: 2634

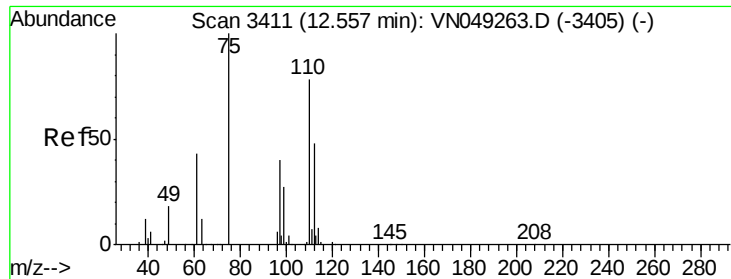
Ion Ratio Lower Upper

83 100

131 11.9 5.0 15.0

85 0.0 32.0 96.0#





#76

1,2,3-Trichloropropane

Concen: 35.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

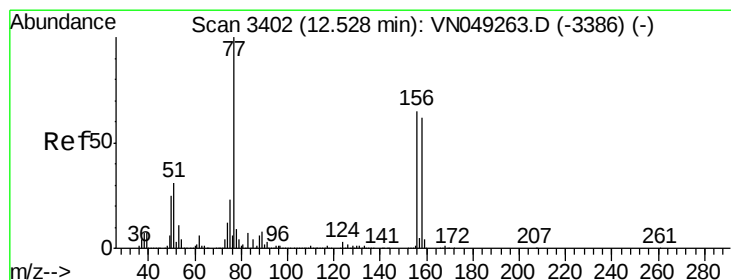
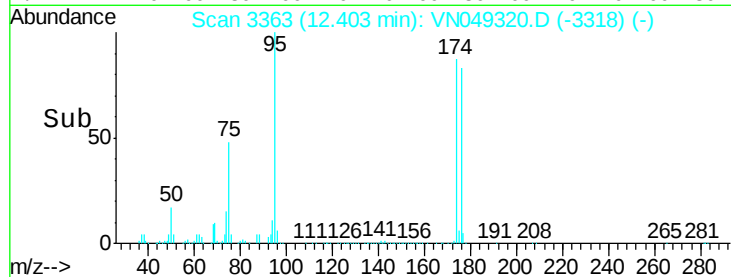
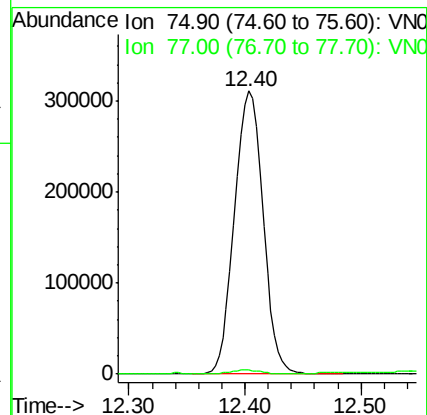
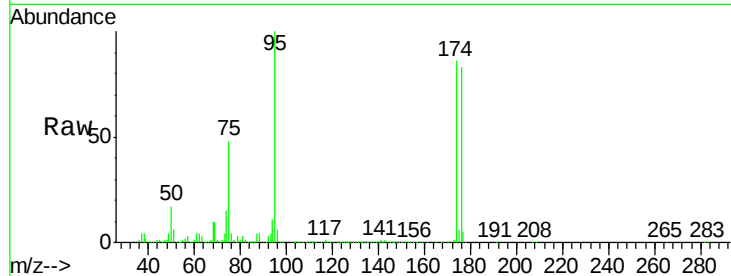
ClientSampleId :

Tot Ion: 75 Resp: 530898

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#77

Bromobenzene

Concen: 2.43 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.03 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

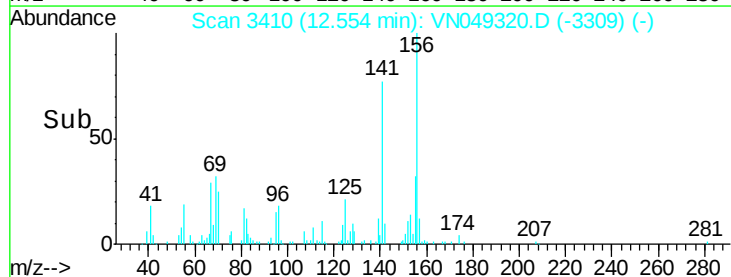
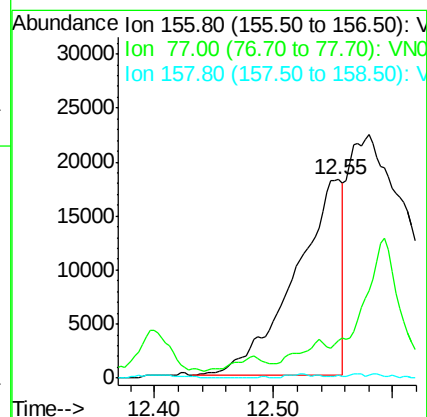
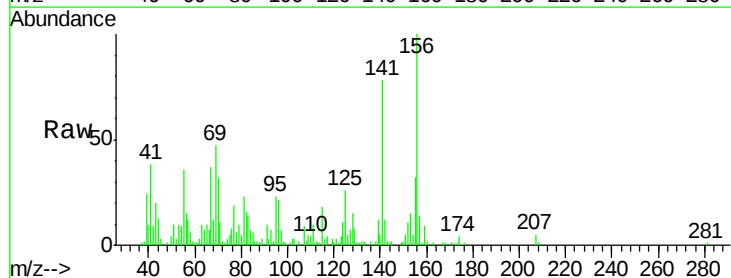
Tgt Ion: 156 Resp: 49807

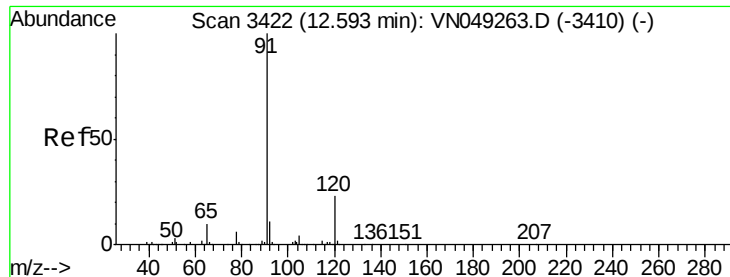
Ion Ratio Lower Upper

156 100

77 7.9 100.8 302.4#

158 0.3 49.3 147.9#





#78

n-propylbenzene

Concen: 4.97 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

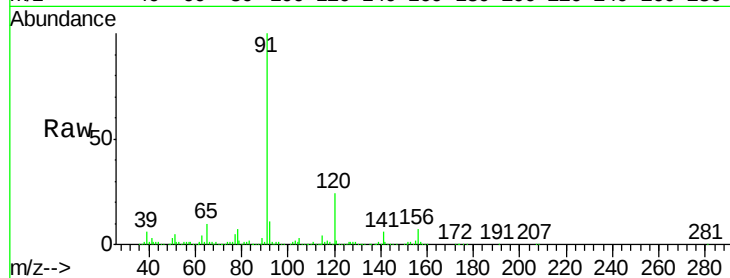
ClientSampleId :

Tot Ion: 91 Resp: 423036

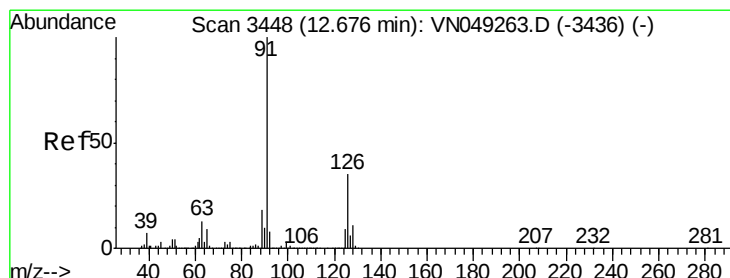
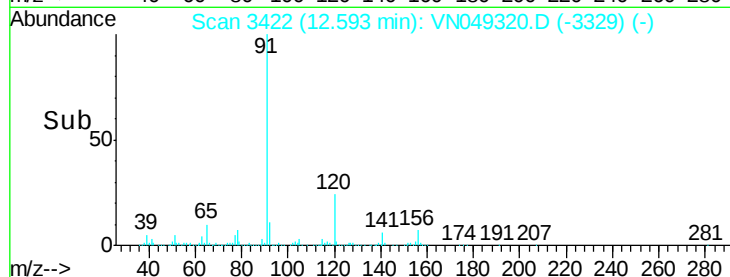
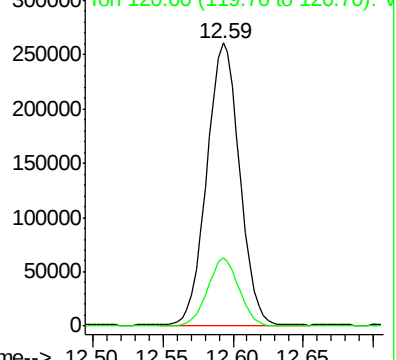
Ion Ratio Lower Upper

91 100

120 23.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN049320.D (-3329) (-)



#79

2-Chlorotoluene

Concen: 7.84 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN049320.D

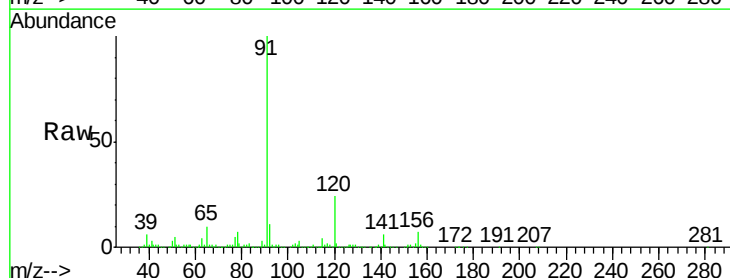
Acq: 16 Jun 2018 19:55

Tgt Ion: 91 Resp: 423036

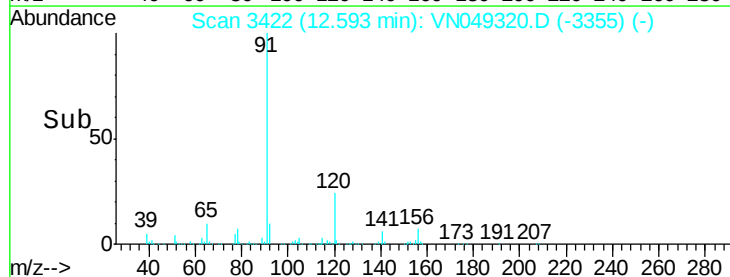
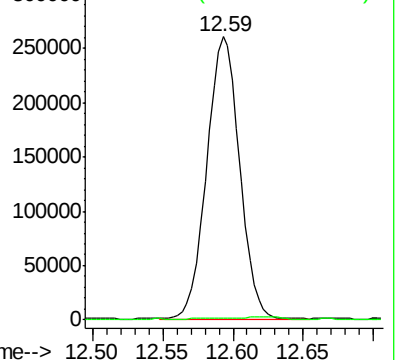
Ion Ratio Lower Upper

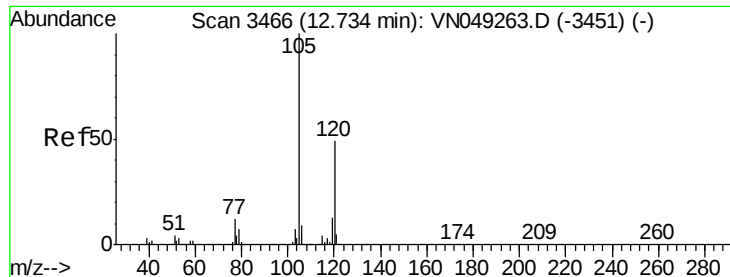
91 100

126 0.6 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN049320.D (-3355) (-)





#80

1,3,5-Trimethylbenzene

Concen: 0.70 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. 0.16 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

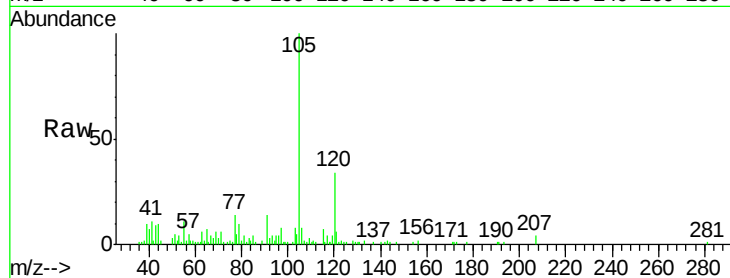
ClientSampleId :

Tot Ion:105 Resp: 42946

Ion Ratio Lower Upper

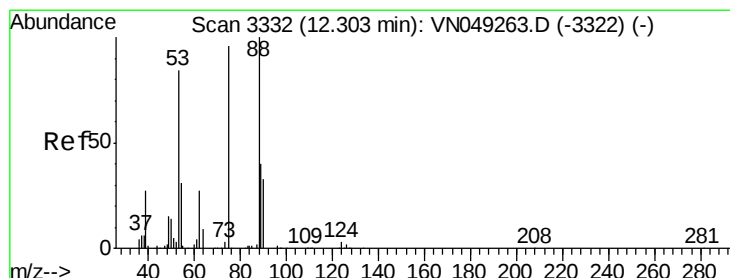
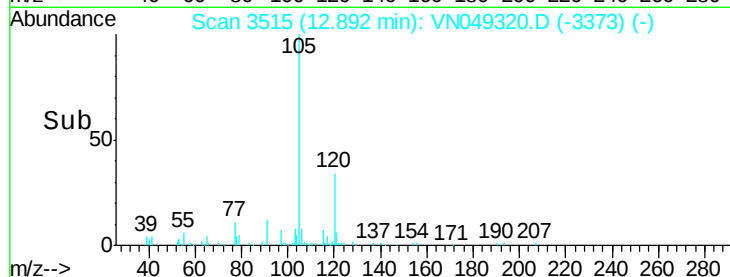
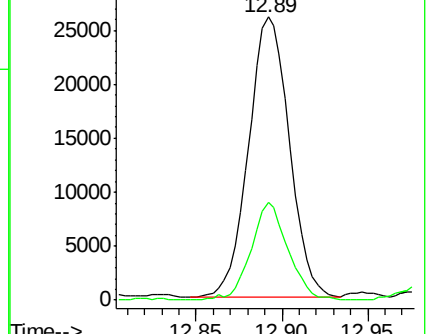
105 100

120 31.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

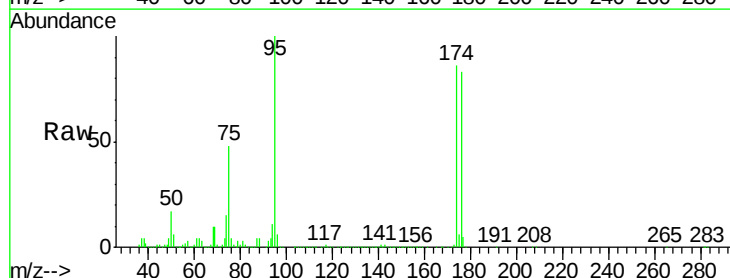
Tgt Ion: 75 Resp: 530898

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

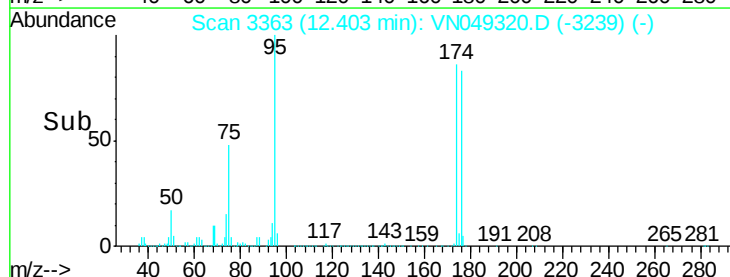
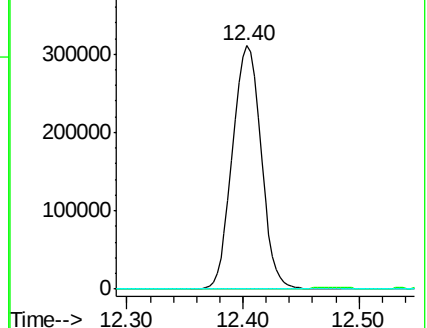
89 0.0 36.5 54.7#

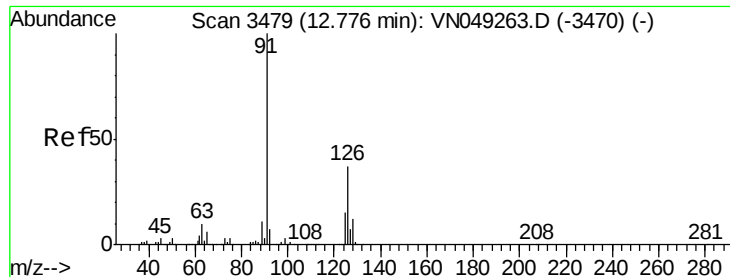


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 8.13 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

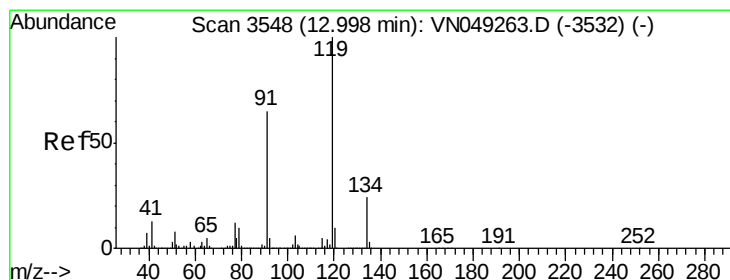
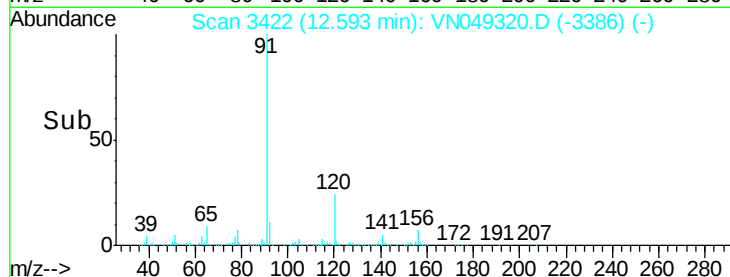
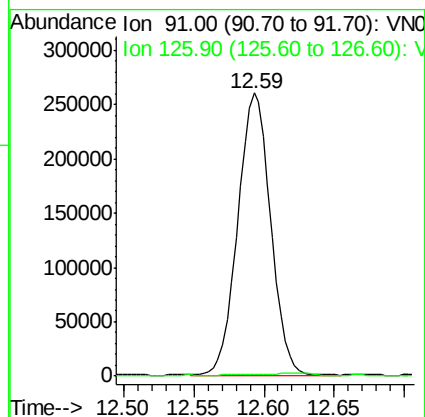
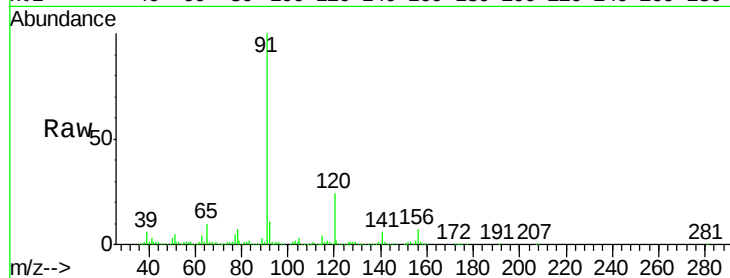
ClientSampleId :

Tot Ion: 91 Resp: 423036

Ion Ratio Lower Upper

91 100

126 0.6 16.4 49.1#



#83

tert-Butylbenzene

Concen: 1.24 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

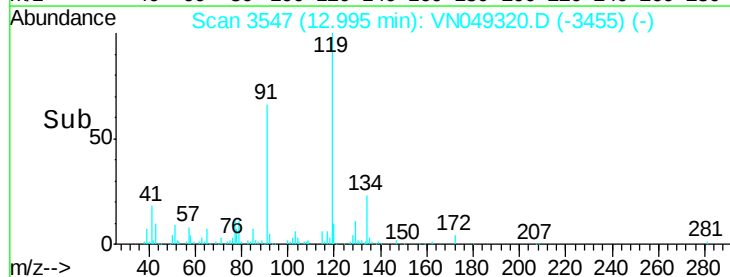
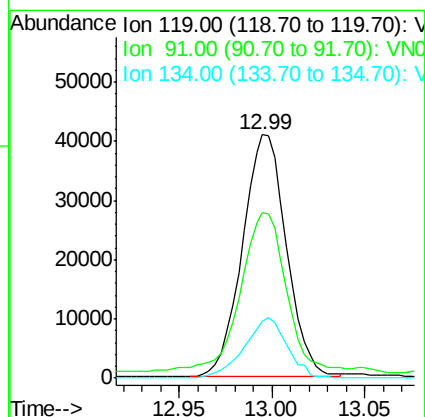
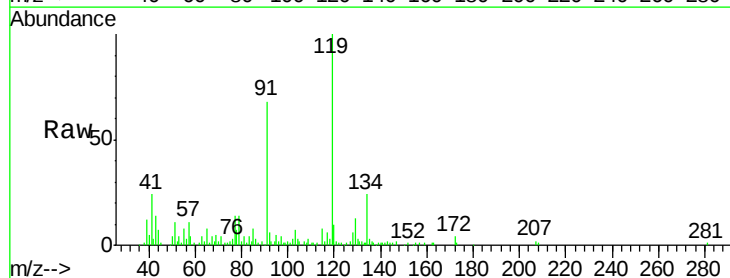
Tgt Ion: 119 Resp: 66988

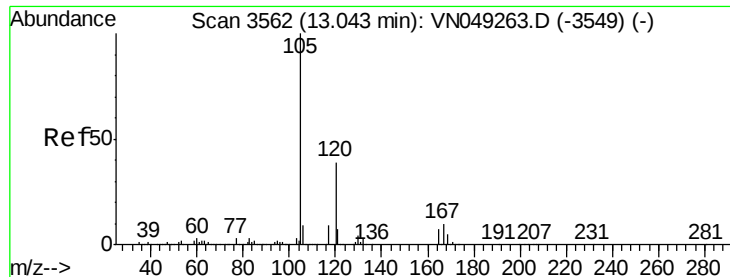
Ion Ratio Lower Upper

119 100

91 68.8 33.7 101.0

134 24.3 12.9 38.6





#84

1,2,4-Trimethylbenzene

Concen: 0.71 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. -0.15 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

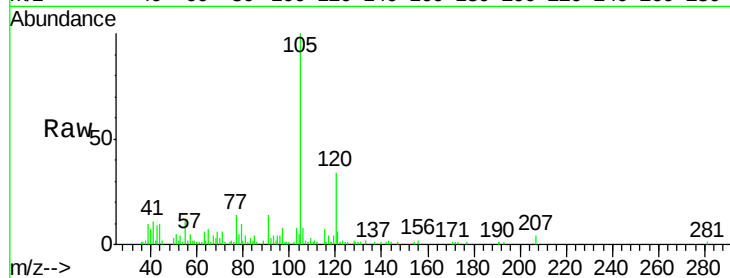
ClientSampleId :

Tot Ion:105 Resp: 42946

Ion Ratio Lower Upper

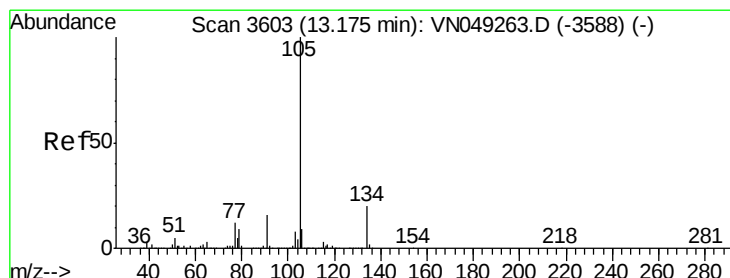
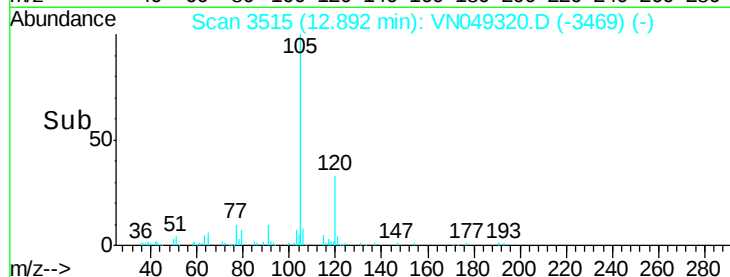
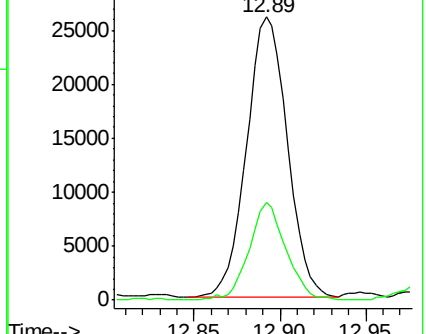
105 100

120 31.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 6.07 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049320.D

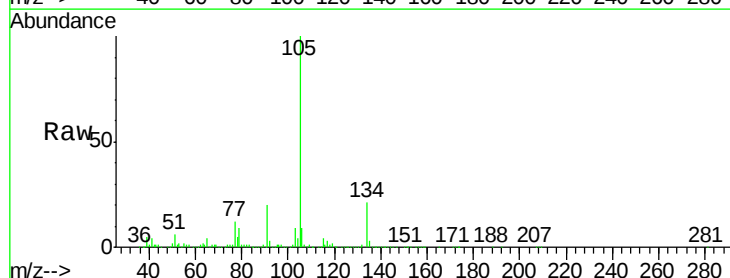
Acq: 16 Jun 2018 19:55

Tgt Ion:105 Resp: 436327

Ion Ratio Lower Upper

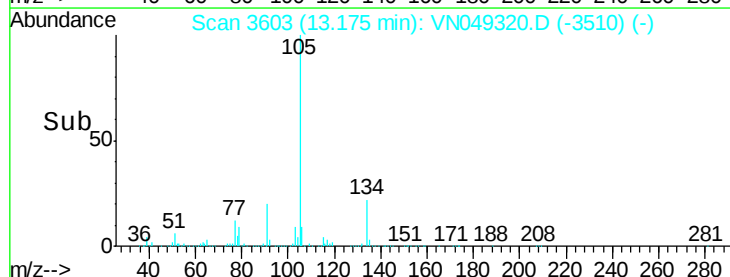
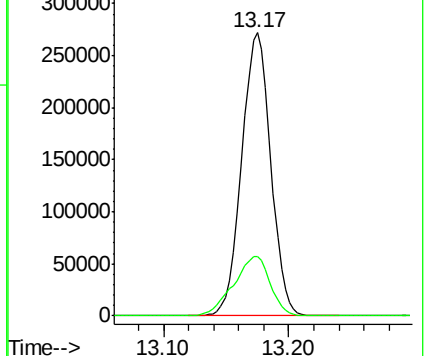
105 100

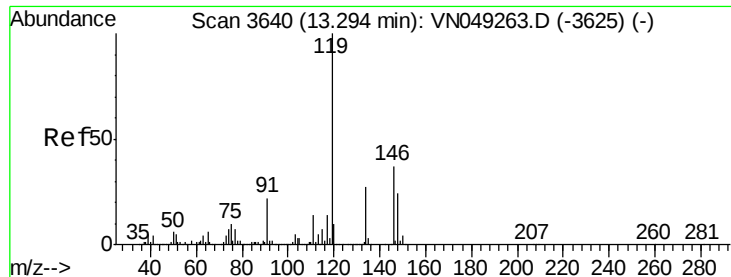
134 26.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

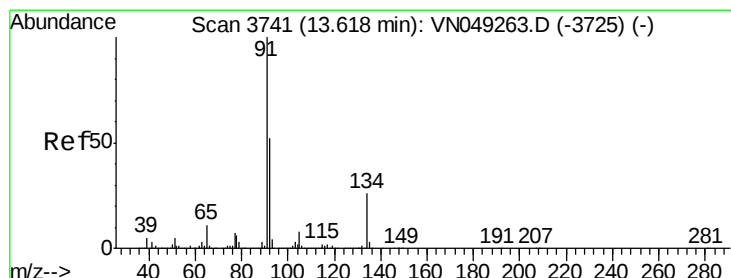
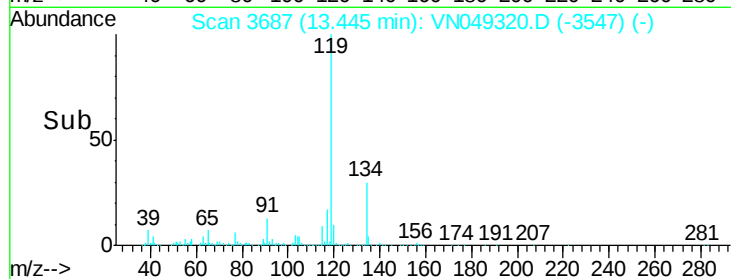
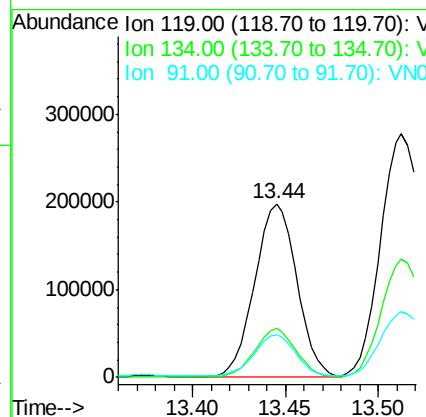
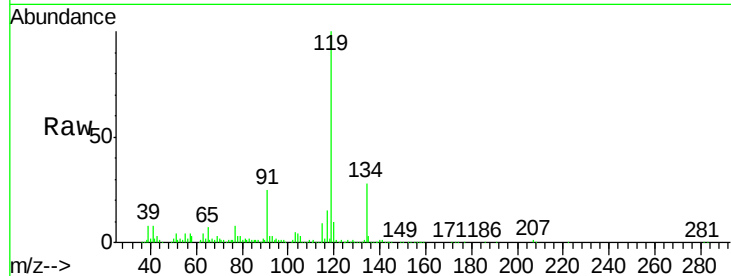




#86
p-Isopropyltoluene
Concen: 5.20 ug/l
RT: 13.44 min Scan# 3687
Delta R.T. 0.15 min
Lab File: VN049320.D
Acq: 16 Jun 2018 19:55

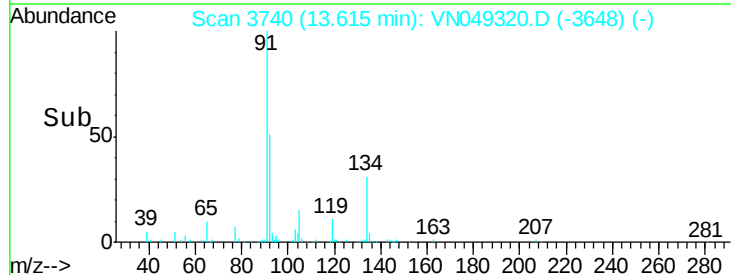
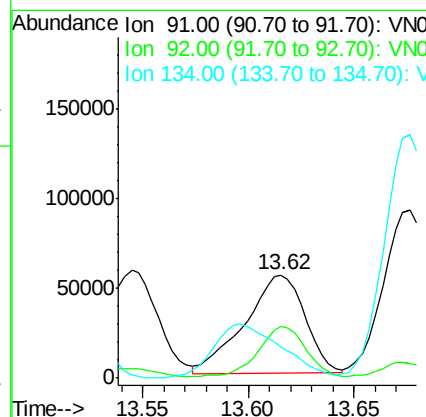
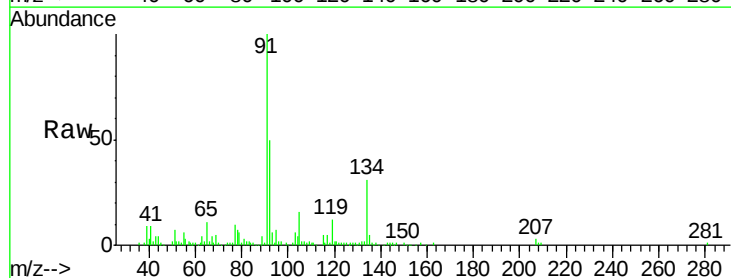
Instrument :
MSVOA_N
ClientSampled :

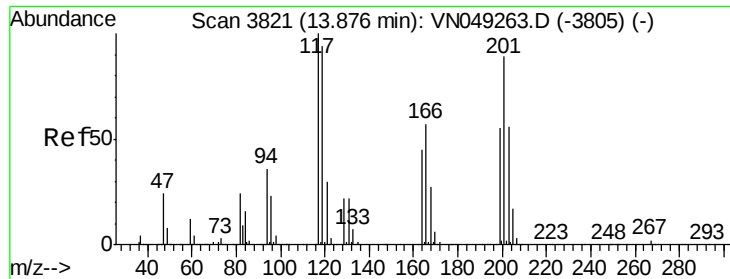
Tot Ion:119 Resp: 312108
Ion Ratio Lower Upper
119 100
134 27.8 12.9 38.6
91 23.6 12.1 36.3



#89
n-Butylbenzene
Concen: 2.32 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049320.D
Acq: 16 Jun 2018 19:55

Tgt Ion: 91 Resp: 108680
Ion Ratio Lower Upper
91 100
92 40.9 25.1 75.4
134 61.4 12.0 36.0#





#90

Hexachloroethane

Concen: 18.75 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

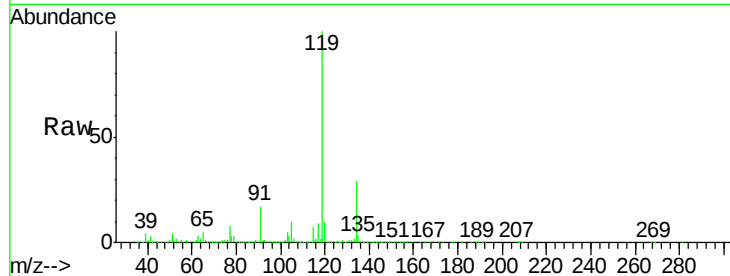
ClientSampled :

Tot Ion:117 Resp: 225171

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

400000

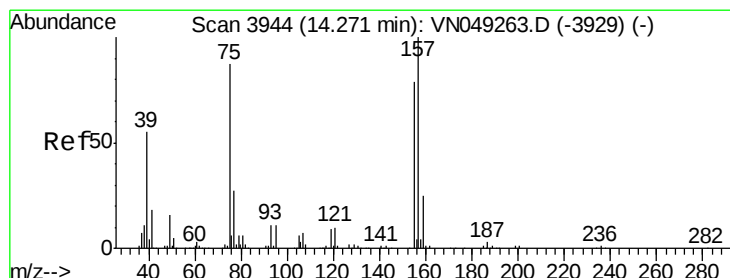
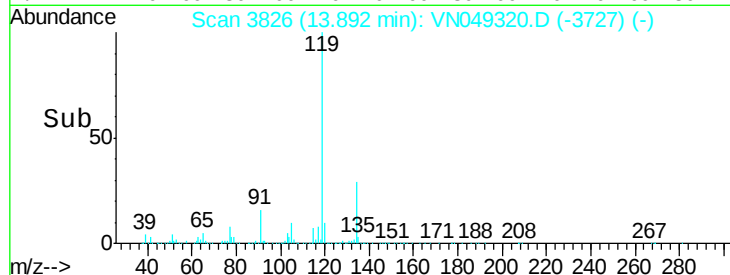
300000

200000

100000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.71 ug/l

RT: 14.29 min Scan# 3951

Delta R.T. 0.02 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

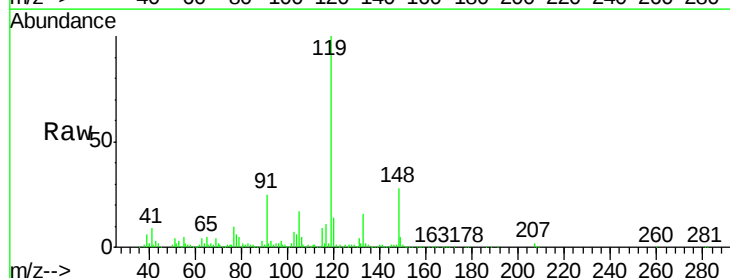
Tgt Ion: 75 Resp: 1926

Ion Ratio Lower Upper

75 100

155 3.3 38.8 116.3#

157 22.5 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

3000

2500

2000

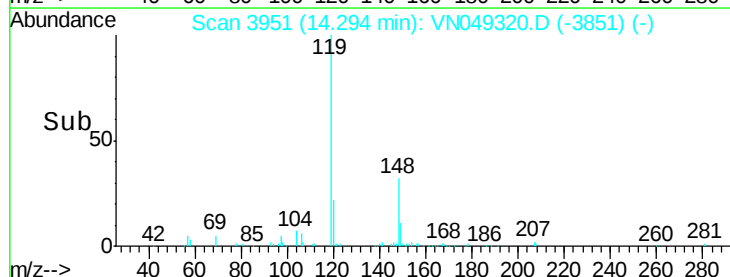
1500

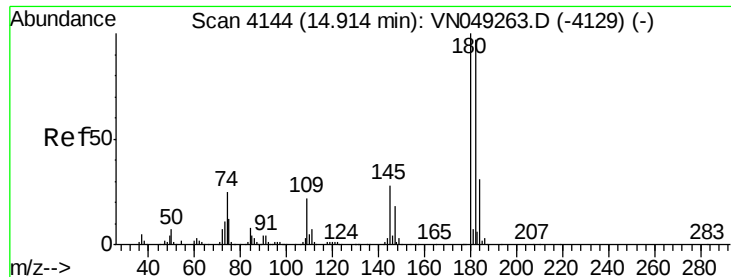
1000

500

0

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 4.80 ug/l

RT: 14.90 min Scan# 4141

Delta R.T. -0.01 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

ClientSampled :

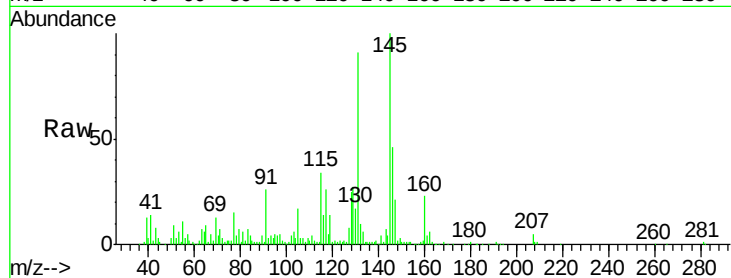
Tot Ion:180 Resp: 972

Ion Ratio Lower Upper

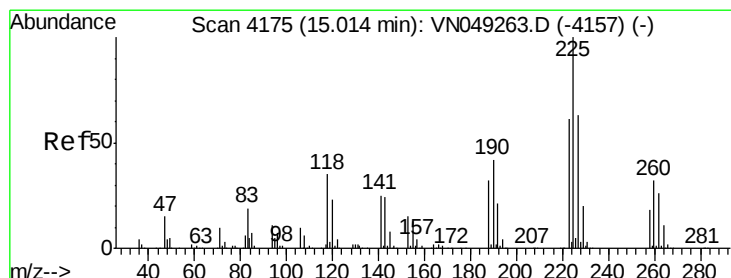
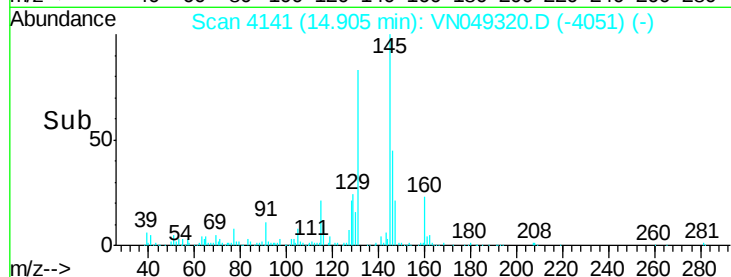
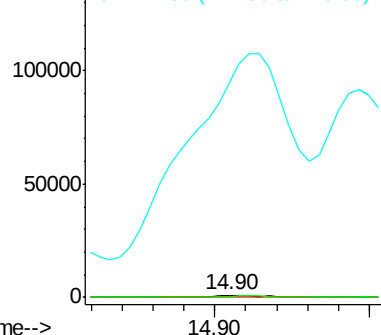
180 100

182 109.7 46.9 140.8

145 24832.6 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# 4175

Delta R.T. 0.00 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

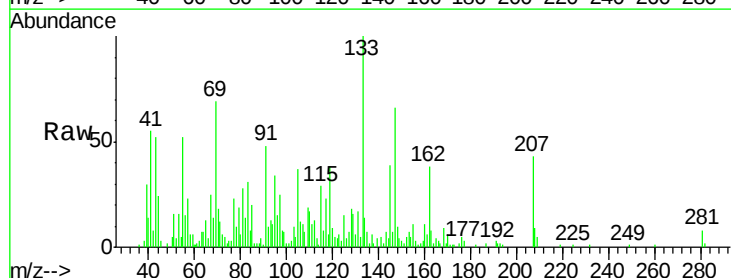
Tgt Ion:225 Resp: 65

Ion Ratio Lower Upper

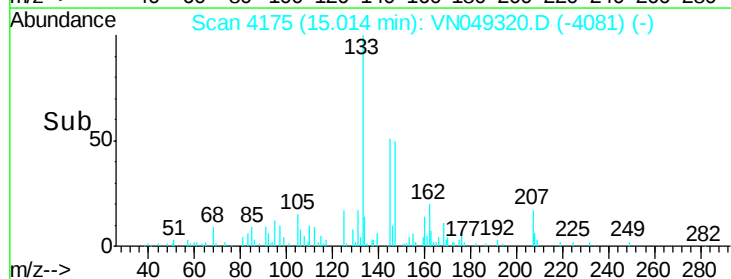
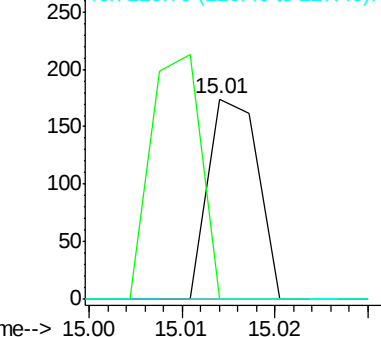
225 100

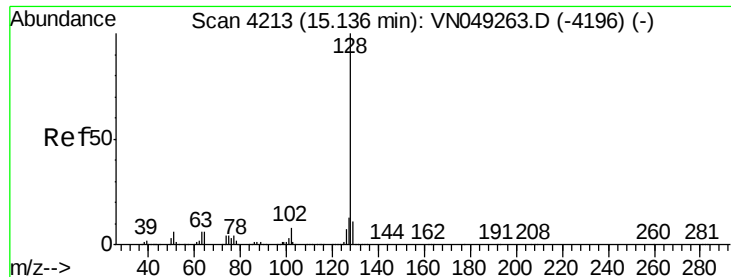
223 123.1 32.1 96.3#

227 0.0 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: 2.63 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. -0.03 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

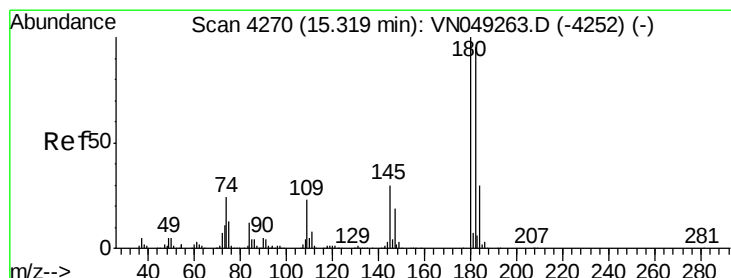
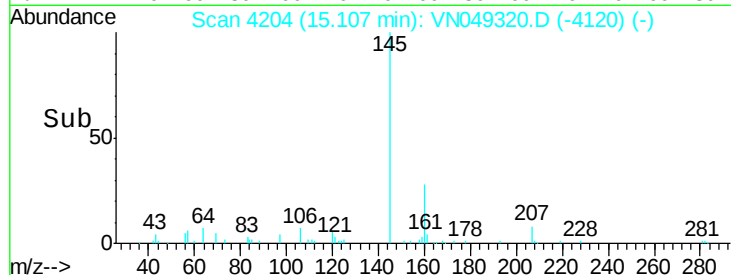
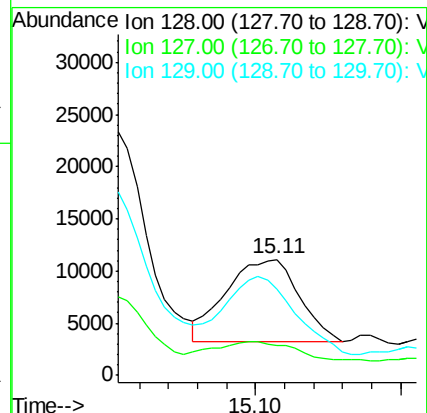
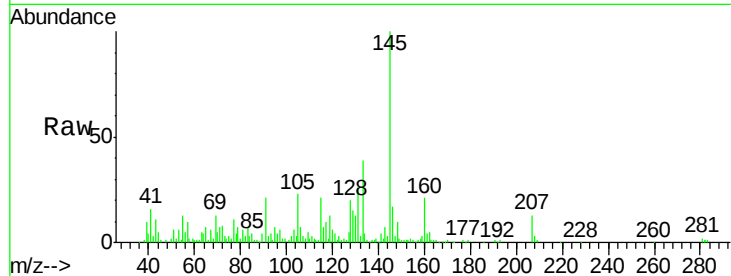
Tot Ion:128 Resp: 13601

Ion Ratio Lower Upper

128 100

127 24.6 10.6 16.0#

129 91.1 8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 3.50 ug/l

RT: 15.33 min Scan# 4272

Delta R.T. 0.01 min

Lab File: VN049320.D

Acq: 16 Jun 2018 19:55

Tgt Ion:180 Resp: 728

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.8#

145 0.0 15.6 46.7#

