

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049305.D
 Acq On : 16 Jun 2018 12:01
 Operator : MD\SY
 Sample : J3501-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 01:16:47 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	1267555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1998339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1620224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	465018	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	821039	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	7.59	113	726383	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
50) Toluene-d8	10.09	98	2756039	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	
62) 4-Bromofluorobenzene	12.40	95	667174	32.78	ug/l	0.00
Spiked Amount			Recovery	=	65.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4083	0.22	ug/l #	85
8) Diethyl Ether	3.41	74	3885	0.45	ug/l	87
11) Tert butyl alcohol	4.82	59	280	0.28	ug/l #	70
14) Allyl chloride	4.55	41	86583	3.77	ug/l #	20
16) Acetone	3.82	43	38028	9.32	ug/l	95
18) Methyl Acetate	4.33	43	127199	10.22	ug/l	96
20) Methylene Chloride	4.55	84	2448187	143.60	ug/l	92
25) 2-Butanone	6.84	43	4998	0.91	ug/l #	80
30) Chloroform	7.37	83	27536	0.94	ug/l	99
31) Cyclohexane	7.67	56	23905	0.79	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	89197	3.89	ug/l #	50
38) Carbon Tetrachloride	7.67	117	115382	4.87	ug/l #	17
43) Isopropyl Acetate	8.21	43	367661	15.45	ug/l #	64
44) Trichloroethene	8.83	130	5114	0.28	ug/l	71
47) Bromodichloromethane	9.41	83	10336	0.44	ug/l #	92
49) 1,4-Dioxane	9.19	88	117	0.76	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5854	0.47	ug/l	97
52) Toluene	10.16	92	10296	0.25	ug/l	92
65) Chlorobenzene	11.43	112	18575	0.45	ug/l	97
67) Ethyl Benzene	11.51	91	28306	0.41	ug/l	97
68) m/p-Xylenes	11.62	106	16889	0.65	ug/l	96
69) o-Xylene	11.95	106	9974	0.40	ug/l	96
71) Bromoform	12.40	173	3756	0.37	ug/l #	1
73) Isopropylbenzene	12.25	105	16909	0.41	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	238	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	323780	40.81	ug/l #	100
78) n-propylbenzene	12.59	91	35659	0.80	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	15646	0.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	323780	128.97	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	42179	1.32	ug/l	98
85) sec-Butylbenzene	13.17	105	22525	0.60	ug/l	87
89) n-Butylbenzene	13.61	91	10140	0.41	ug/l #	68
90) Hexachloroethane	13.89	117	14297	0.72	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	303	0.21	ug/l #	4

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

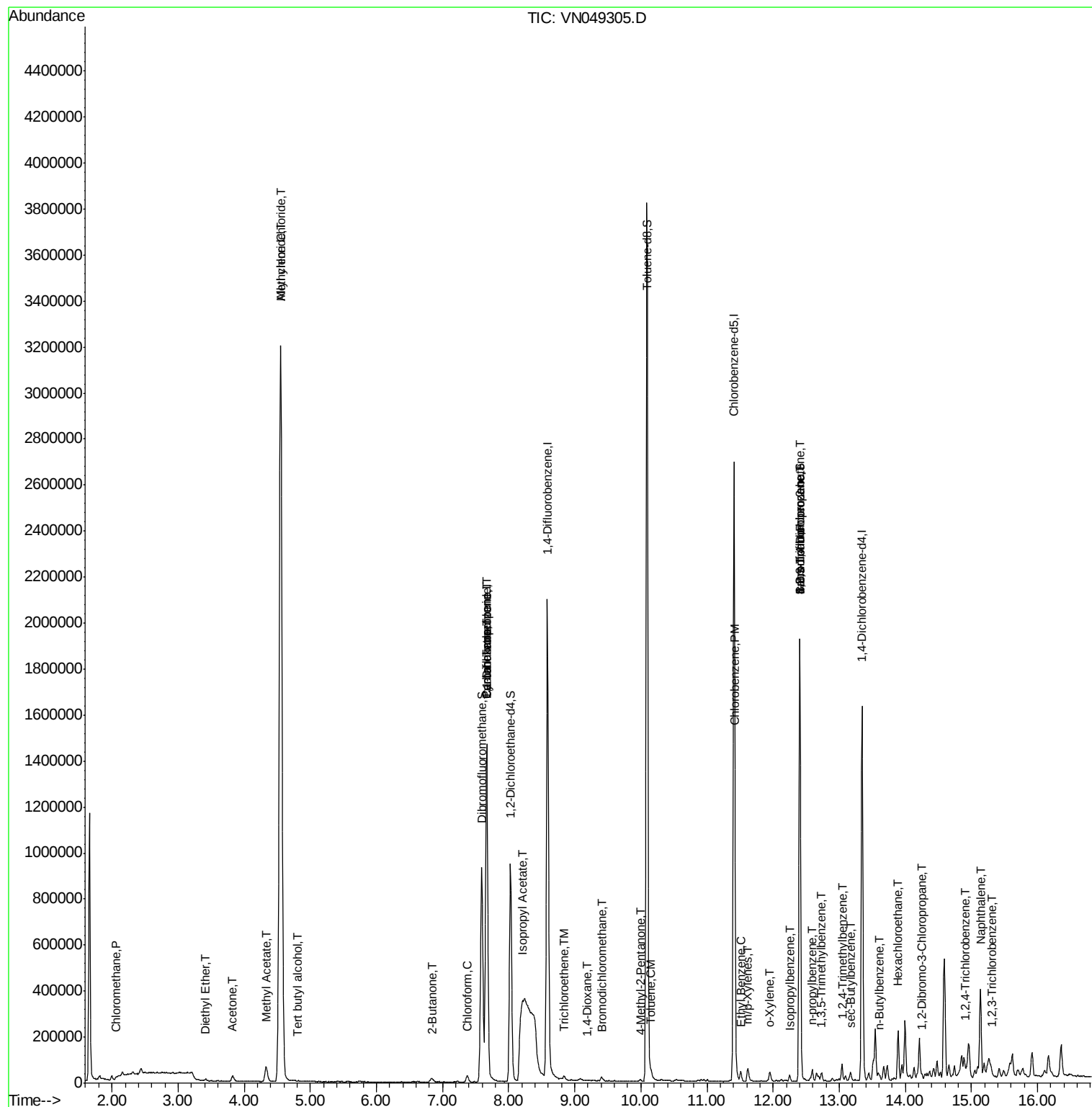
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2041	4.97	ug/l #	1
95) Naphthalene	15.14	128	340122	26.66	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	645	3.53	ug/l #	1

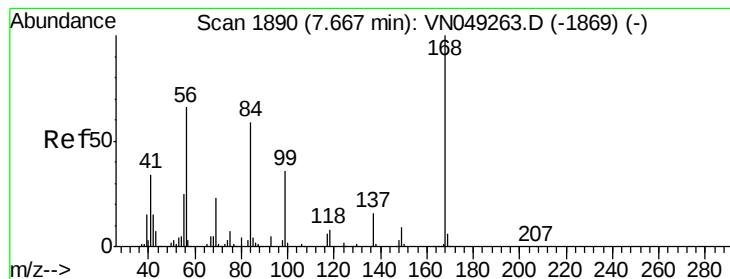
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

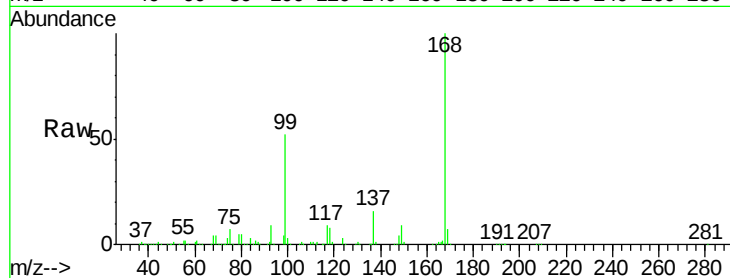
ClientSampleId :

Tot Ion:168 Resp: 1267555

Ion Ratio Lower Upper

168 100

99 52.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049263.D (-1869) (-)

Ion 98.90 (98.60 to 99.60): VN049263.D (-1869) (-)

7.67

600000

500000

400000

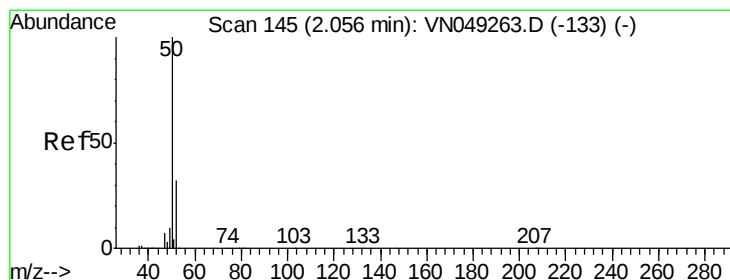
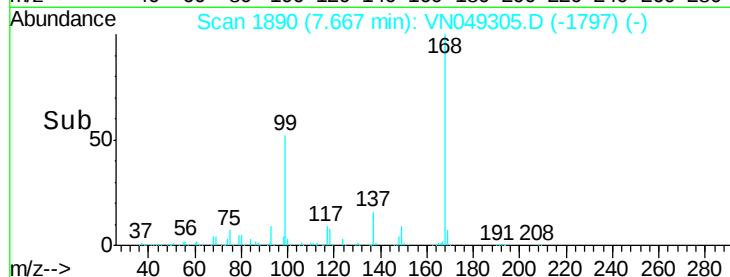
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049305.D

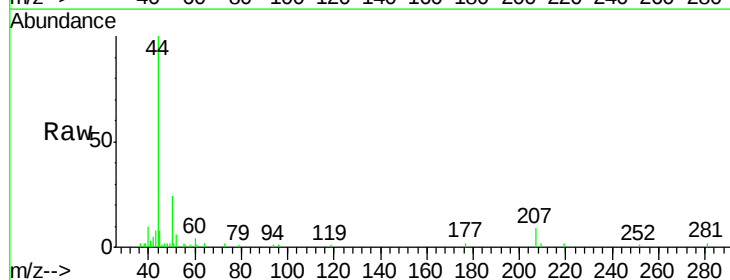
Acq: 16 Jun 2018 12:01

Tgt Ion: 50 Resp: 4083

Ion Ratio Lower Upper

50 100

52 23.1 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VN049263.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN049263.D (-133) (-)

2.06

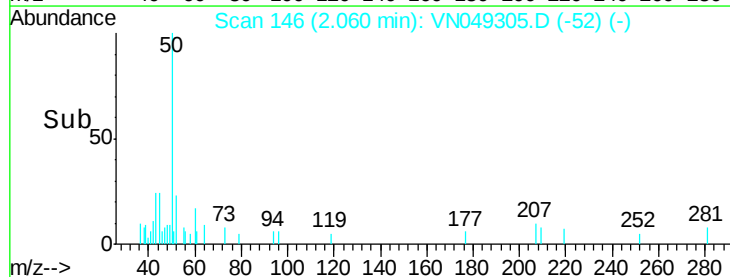
3000

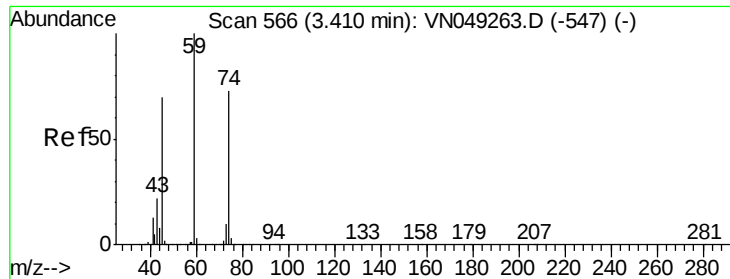
2000

1000

0

Time--> 2.00 2.05 2.10





#8

Diethyl Ether

Concen: 0.45 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

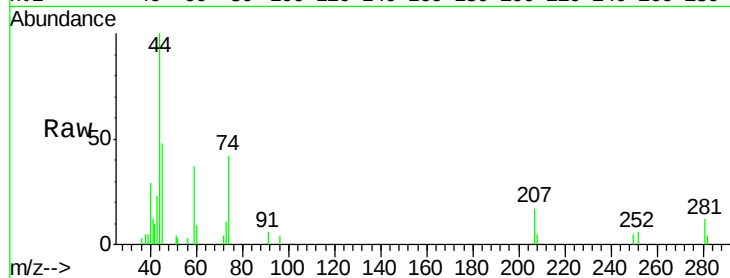
ClientSampled :

Tot Ion: 74 Resp: 3885

Ion Ratio Lower Upper

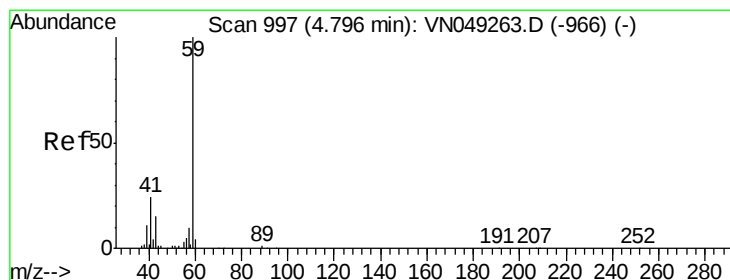
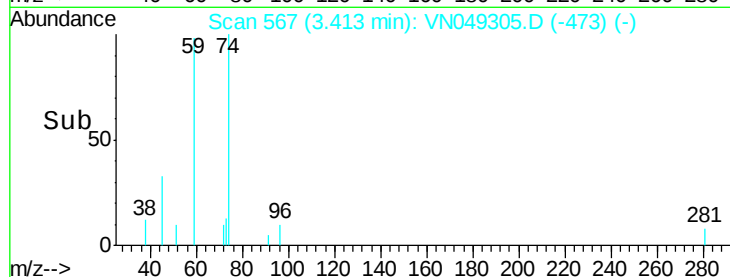
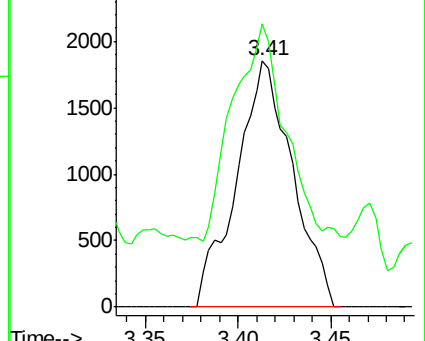
74 100

45 90.4 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN049263.D (-547) (-)

Ion 45.00 (44.70 to 45.70): VN049263.D (-547) (-)



#11

Tert butyl alcohol

Concen: 0.28 ug/l

RT: 4.82 min Scan# 1005

Delta R.T. 0.03 min

Lab File: VN049305.D

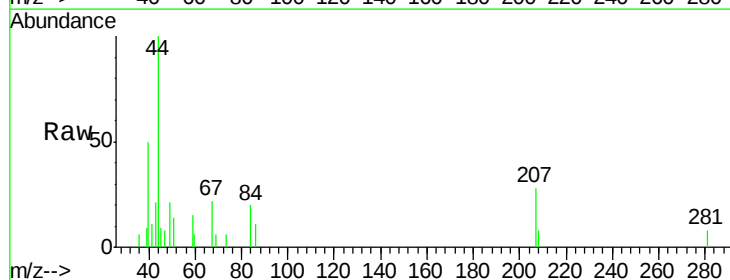
Acq: 16 Jun 2018 12:01

Tgt Ion: 59 Resp: 280

Ion Ratio Lower Upper

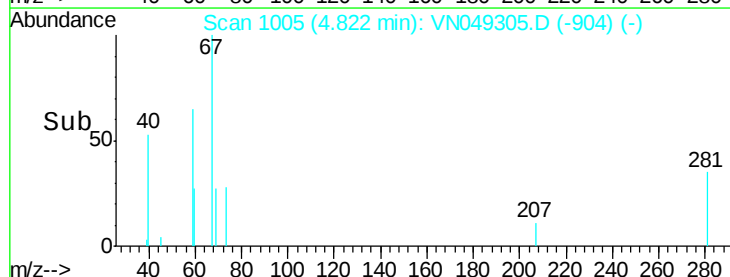
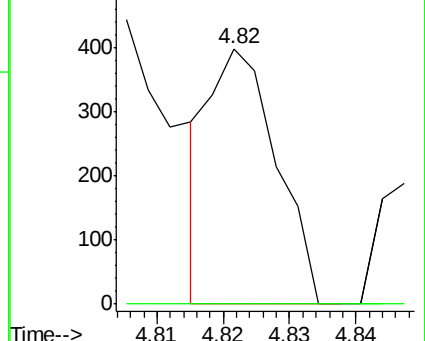
59 100

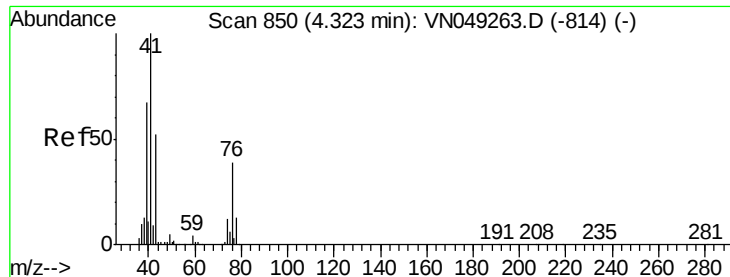
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN049263.D (-966) (-)

Ion 57.00 (56.70 to 57.70): VN049263.D (-966) (-)

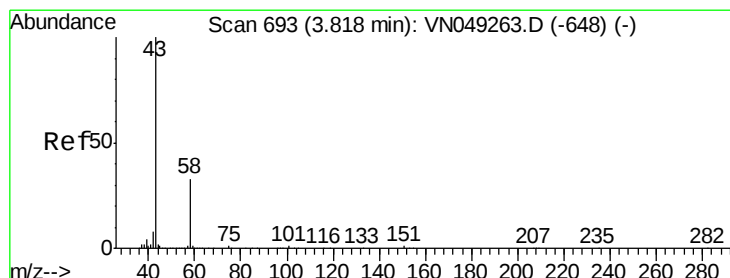
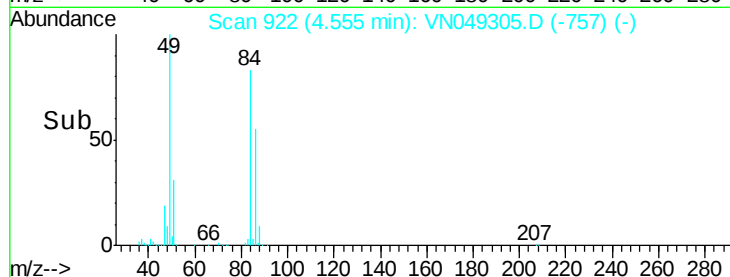
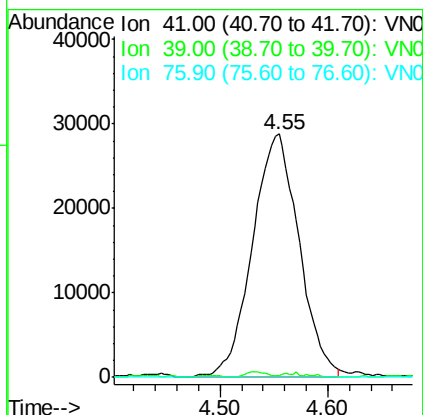
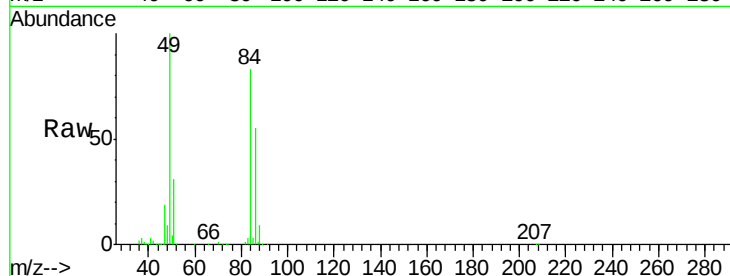




#14
Allvl chloride
Concen: 3.77 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.23 min
Lab File: VN049305.D
Acq: 16 Jun 2018 12:01

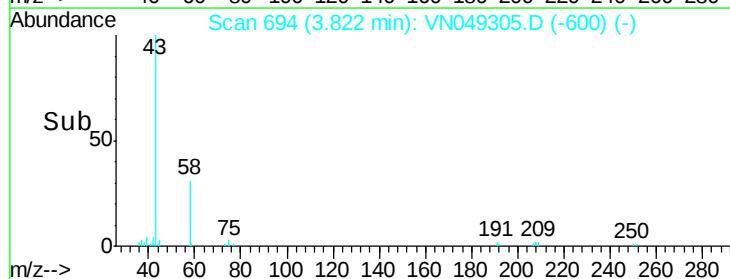
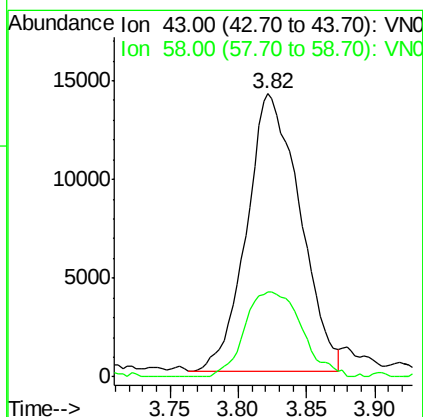
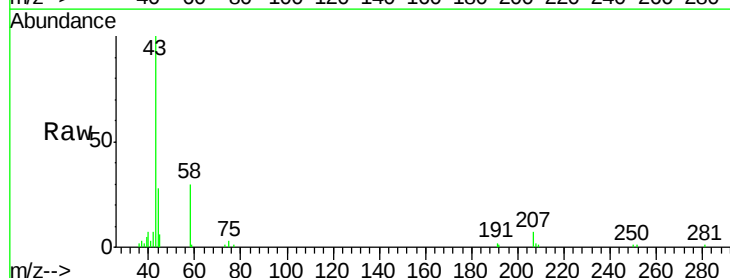
Instrument :
MSVOA_N
ClientSampleId :

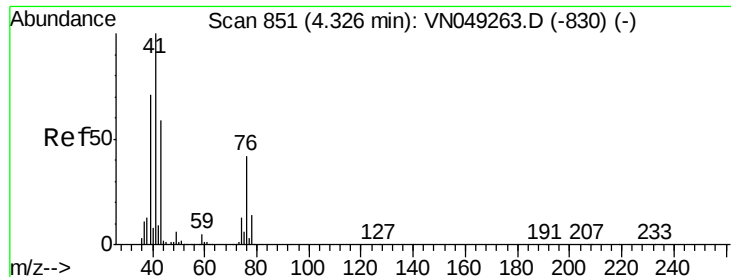
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.4	62.5	93.7#
76	0.0	27.1	40.7#



#16
Acetone
Concen: 9.32 ug/l
RT: 3.82 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN049305.D
Acq: 16 Jun 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.6	22.4	33.6





#18

Methvl Acetate

Concen: 10.22 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

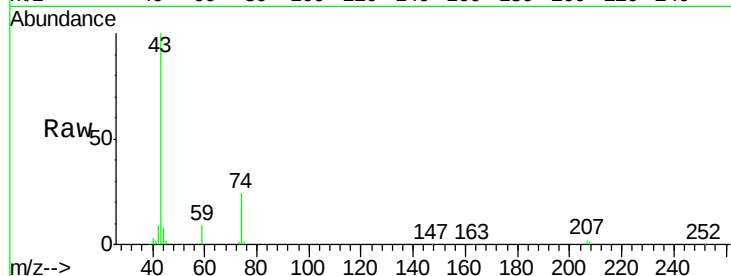
ClientSampleId :

Tot Ion: 43 Resp: 127199

Ion Ratio Lower Upper

43 100

74 23.5 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

50000

40000

30000

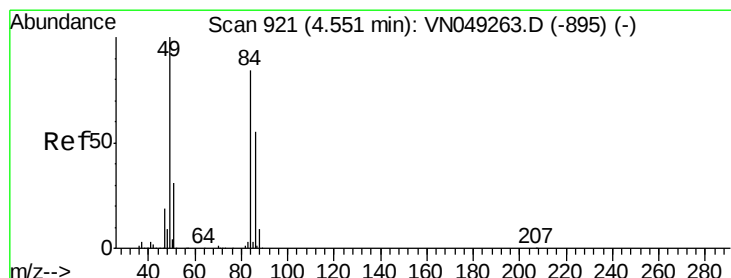
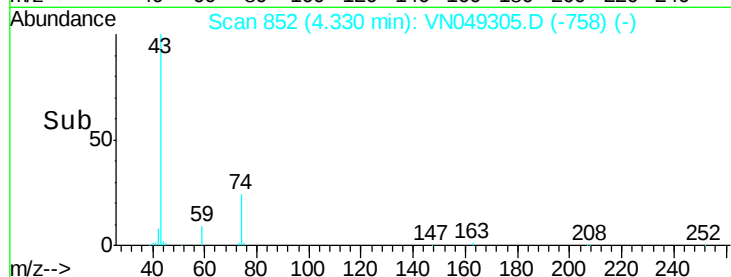
20000

10000

0

Time-->

4.20 4.30 4.40



#20

Methylene Chloride

Concen: 143.60 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Tgt Ion: 84 Resp: 2448187

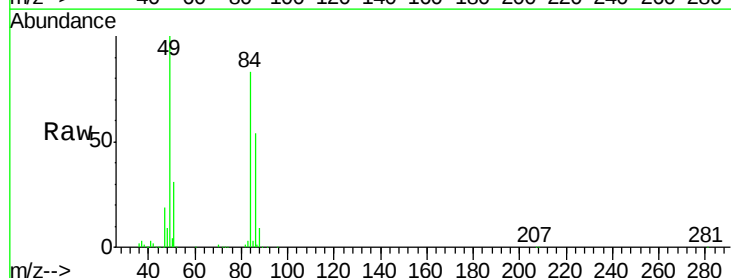
Ion Ratio Lower Upper

84 100

49 121.1 106.9 160.3

51 37.1 32.7 49.1

86 65.1 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

1500000

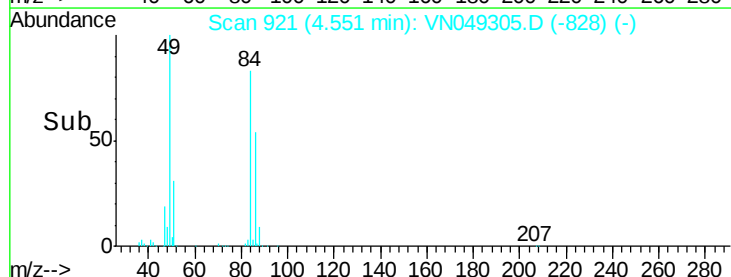
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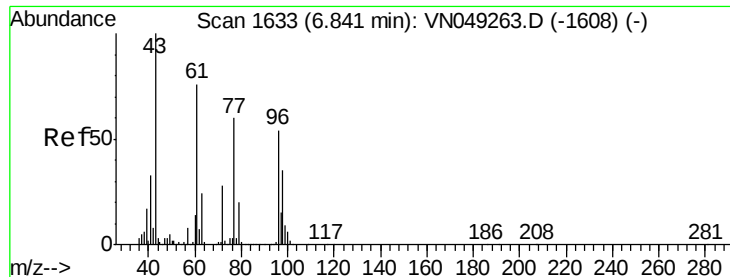
500000

0

Time-->

4.40 4.50 4.60 4.70

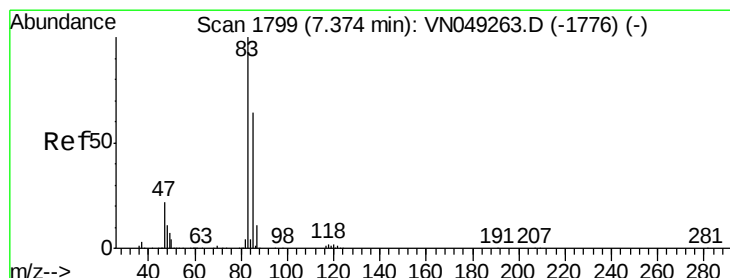
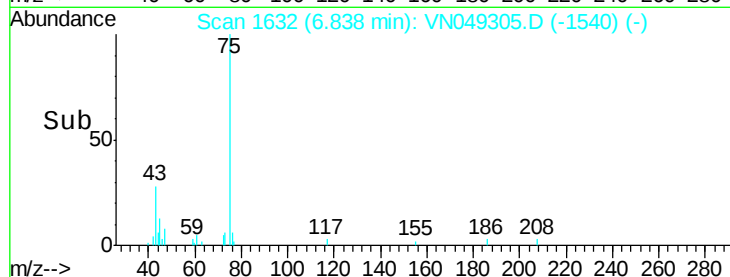
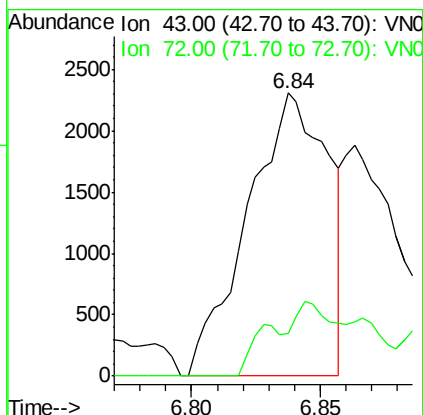
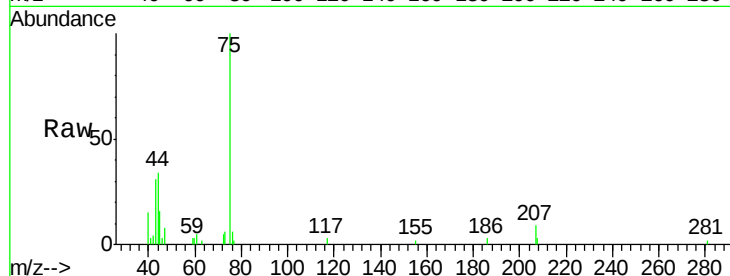




#25
2-Butanone
Concen: 0.91 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN049305.D
Acq: 16 Jun 2018 12:01

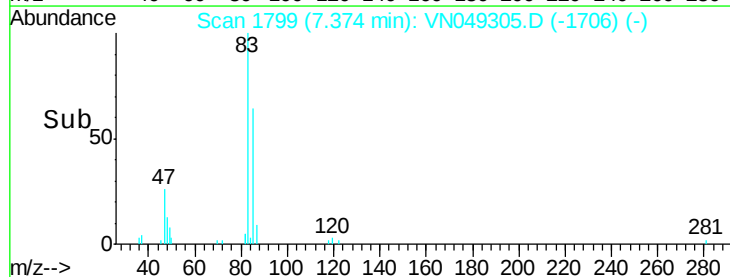
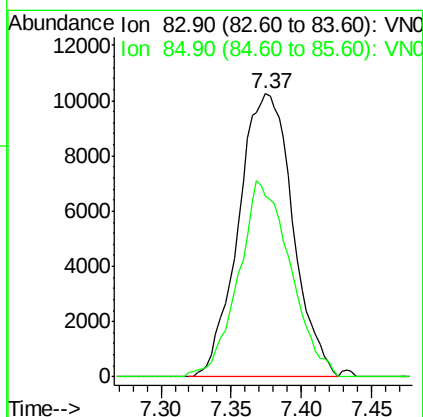
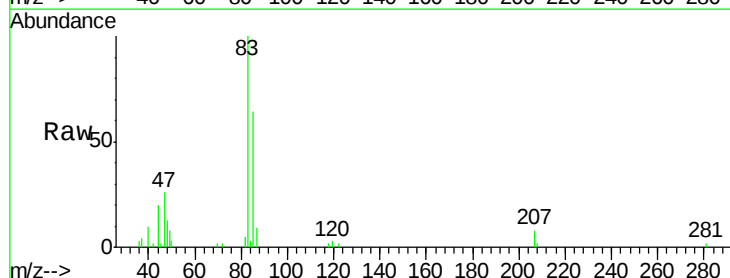
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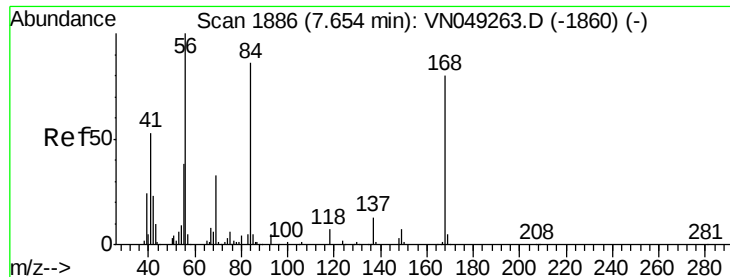
Tot Ion: 43 Resp: 4998
Ion Ratio Lower Upper
43 100
72 15.1 20.2 30.2#



#30
Chloroform
Concen: 0.94 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049305.D
Acq: 16 Jun 2018 12:01

Tgt Ion: 83 Resp: 27536
Ion Ratio Lower Upper
83 100
85 63.9 51.7 77.5

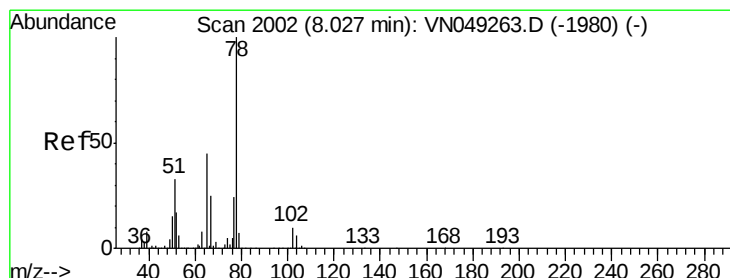
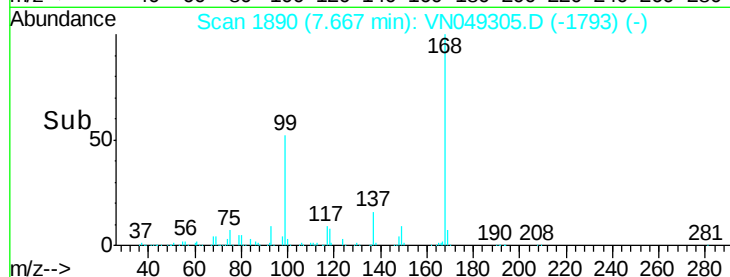
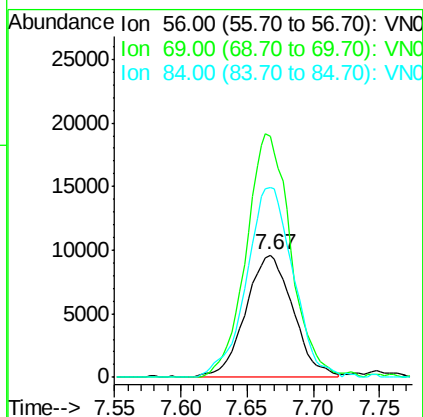
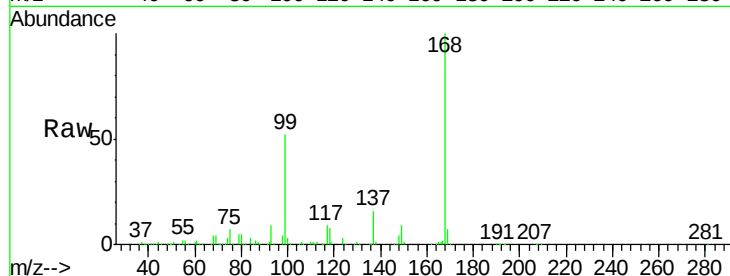




#31
Cyclohexane
Concen: 0.79 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049305.D
Acq: 16 Jun 2018 12:01

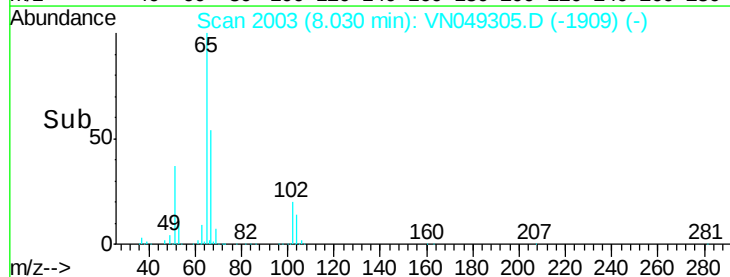
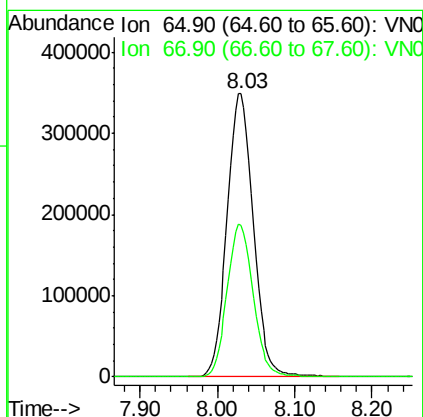
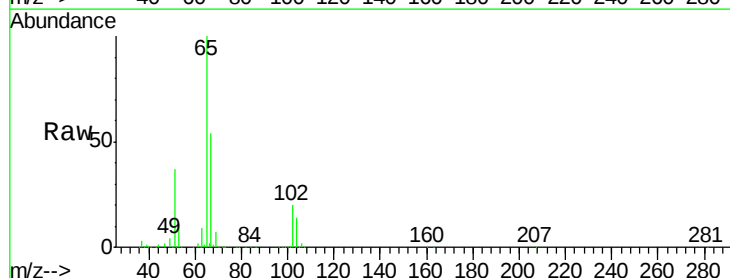
Instrument :
MSVOA_N
ClientSampleId :

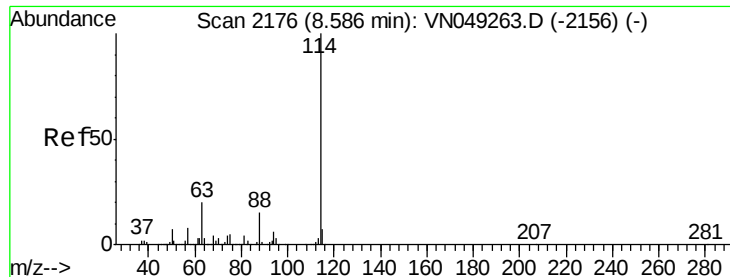
Tot Ion: 56 Resp: 23905
Ion Ratio Lower Upper
56 100
69 197.9 25.0 37.4#
84 156.0 64.6 96.8#



#33
1,2-Dichloroethane-d4
Concen: 48.84 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049305.D
Acq: 16 Jun 2018 12:01

Tgt Ion: 65 Resp: 821039
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.8

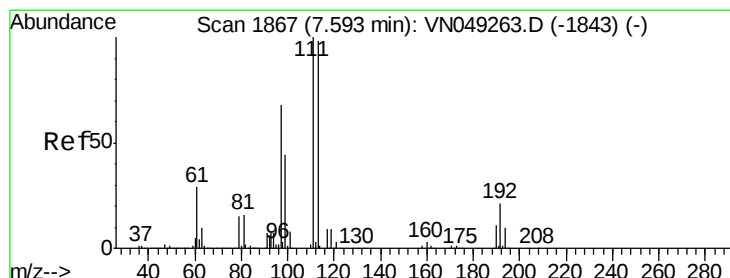
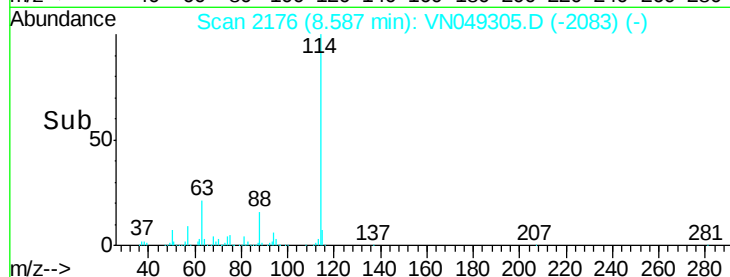
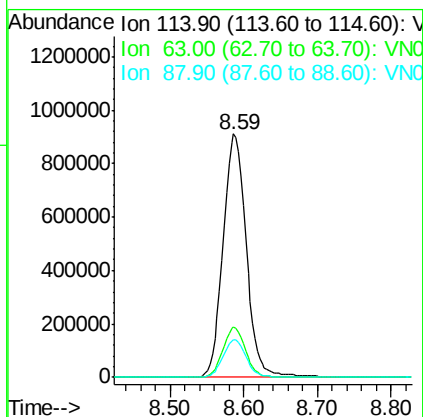
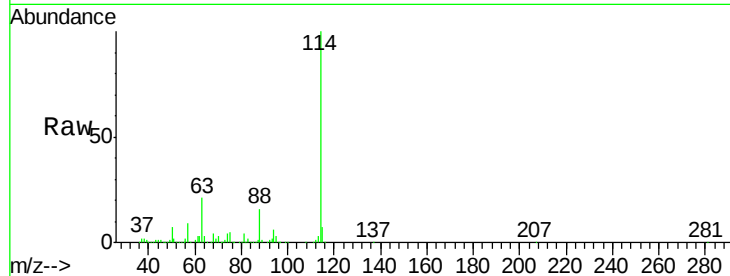




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049305.D
 Acq: 16 Jun 2018 12:01

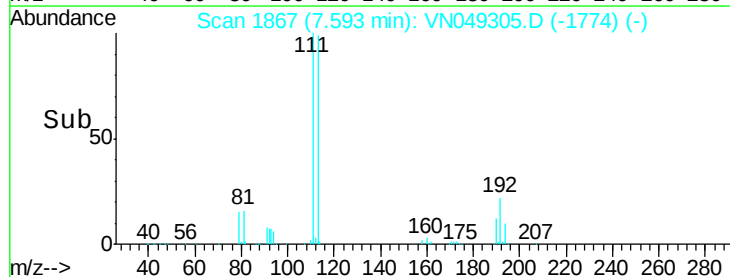
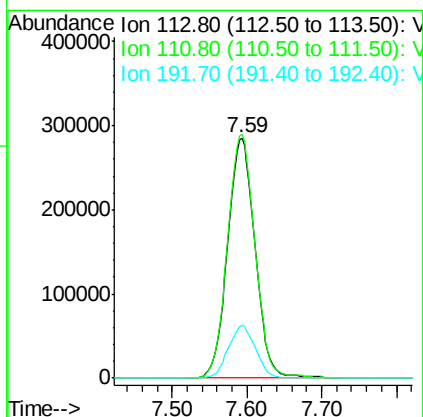
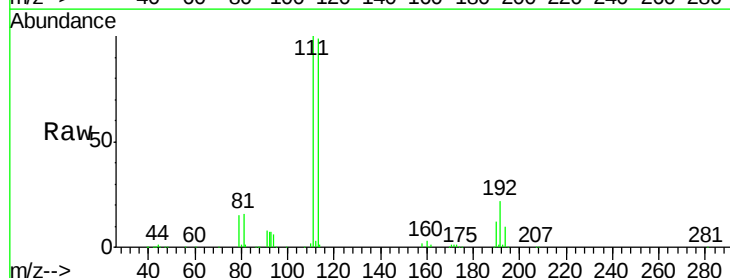
Instrument :
 MSVOA_N
 ClientSampleId :

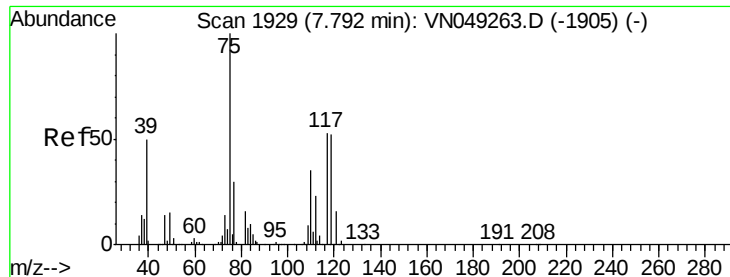
Tot Ion:114 Resp: 1998339
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 44.4
 88 15.7 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 44.93 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049305.D
 Acq: 16 Jun 2018 12:01

Tgt Ion:113 Resp: 726383
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 21.7 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.89 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :

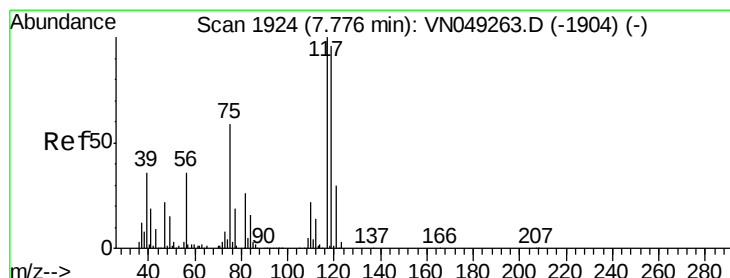
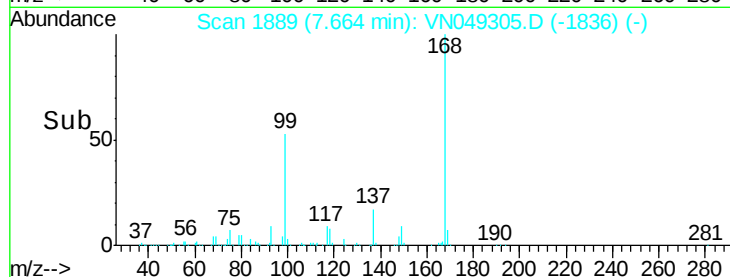
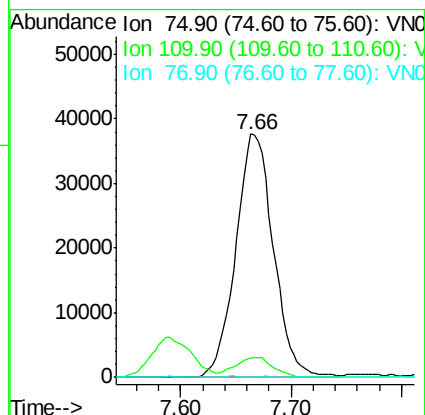
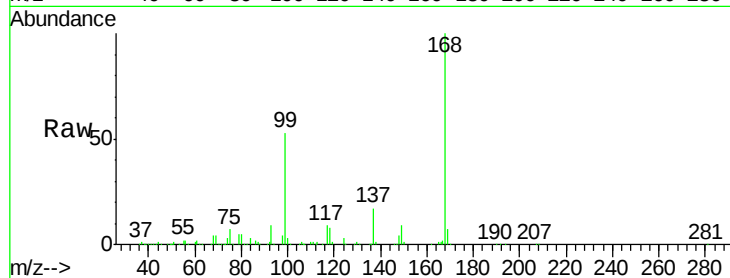
Tot Ion: 75 Resp: 89197

Ion Ratio Lower Upper

75 100

110 8.2 17.0 50.9#

77 0.1 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.87 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

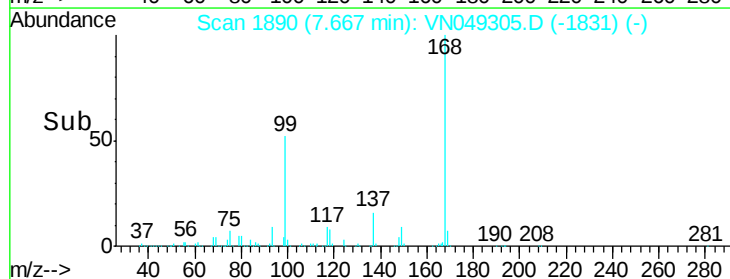
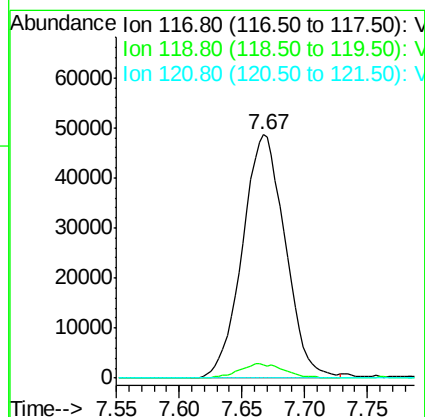
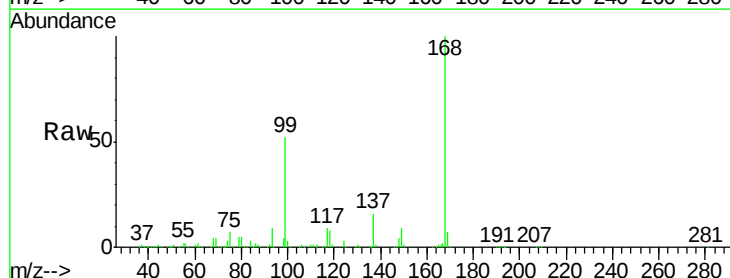
Tgt Ion: 117 Resp: 115382

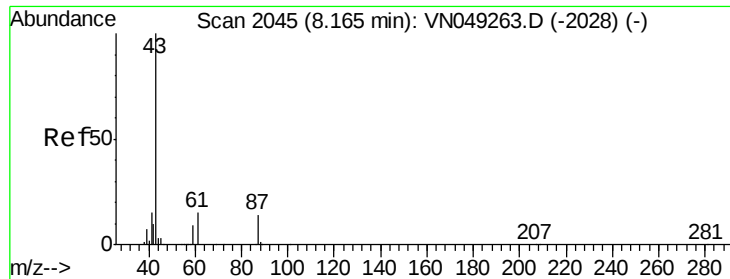
Ion Ratio Lower Upper

117 100

119 5.5 75.6 113.4#

121 0.0 24.7 37.1#



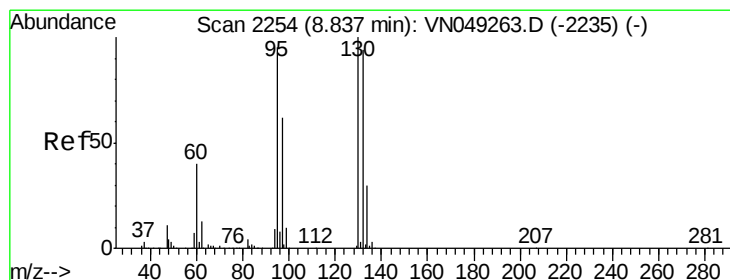
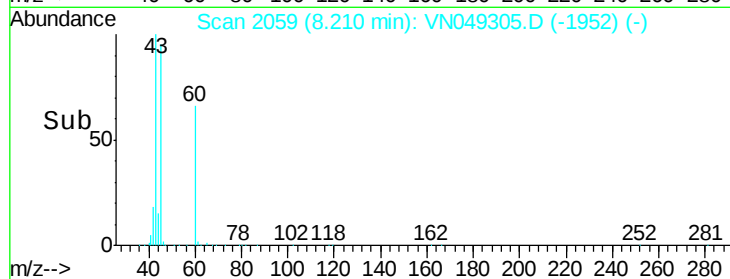
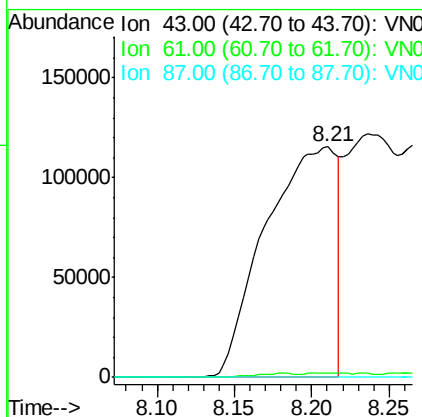
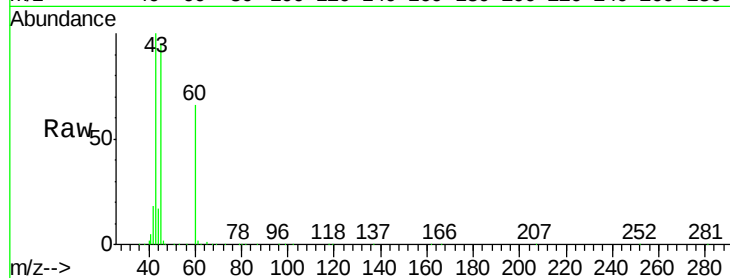


#43

Isopropyl Acetate
 Concen: 15.45 ug/l
 RT: 8.21 min Scan# 2059
 Delta R.T. 0.05 min
 Lab File: VN049305.D
 Acq: 16 Jun 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :

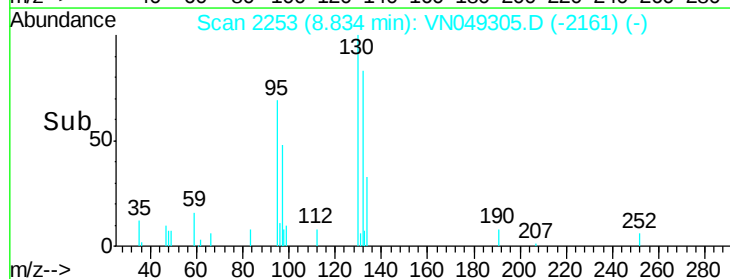
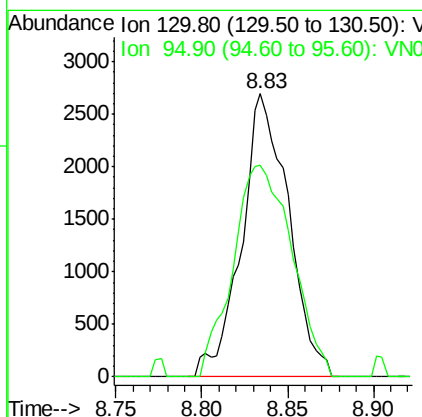
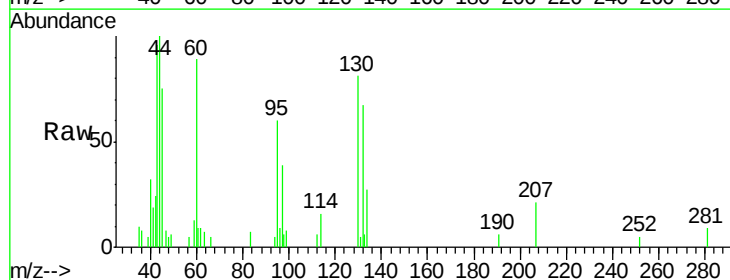
Tot Ion: 43 Resp: 367661
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.2 21.4#
 87 0.0 9.4 14.0#

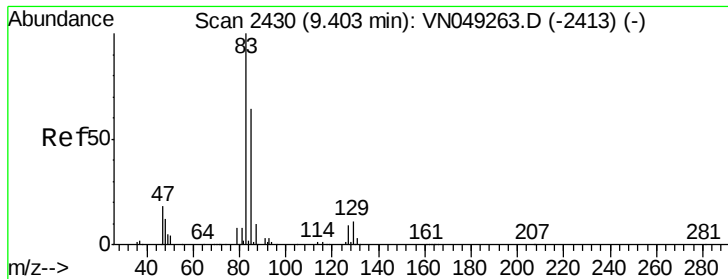


#44

Trichloroethene
 Concen: 0.28 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049305.D
 Acq: 16 Jun 2018 12:01

Tgt Ion: 130 Resp: 5114
 Ion Ratio Lower Upper
 130 100
 95 74.6 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: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :

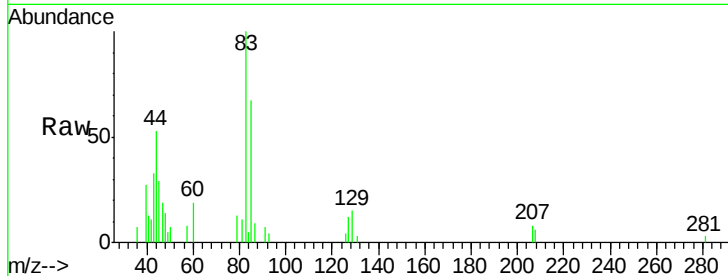
Tot Ion: 83 Resp: 10336

Ion Ratio Lower Upper

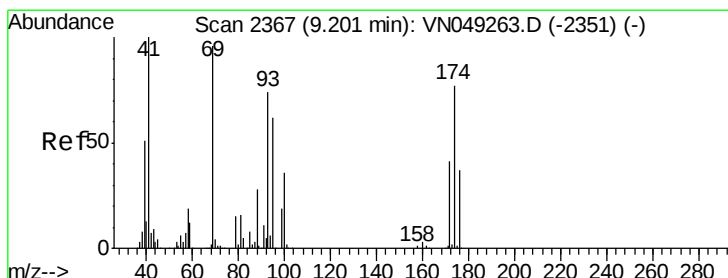
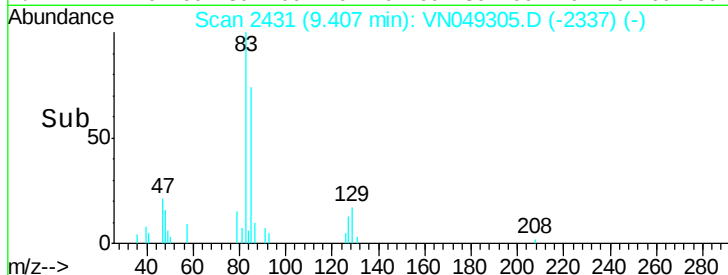
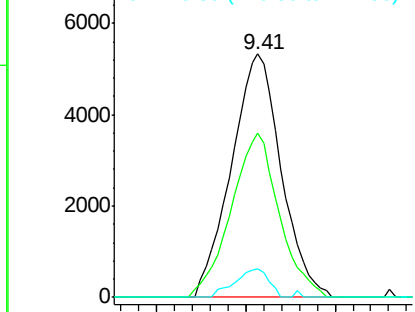
83 100

85 67.4 49.4 74.0

127 11.7 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#49

1,4-Dioxane

Concen: 0.76 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. -0.01 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

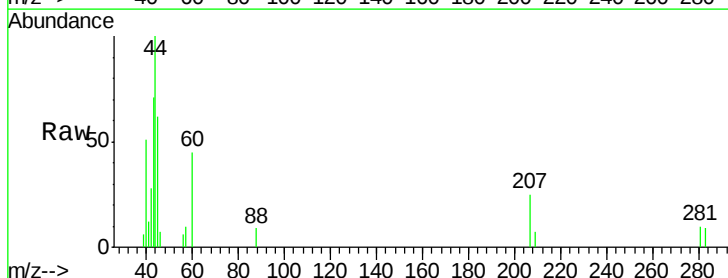
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

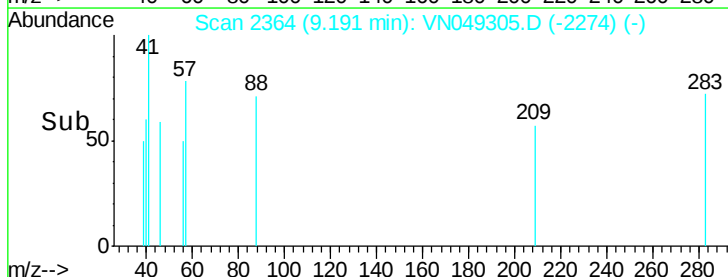
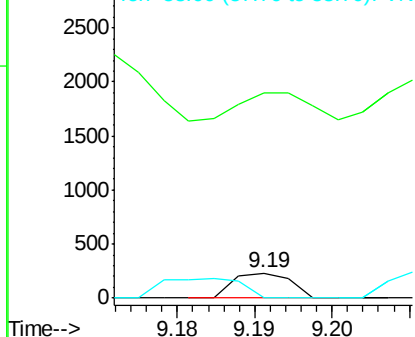
88 100

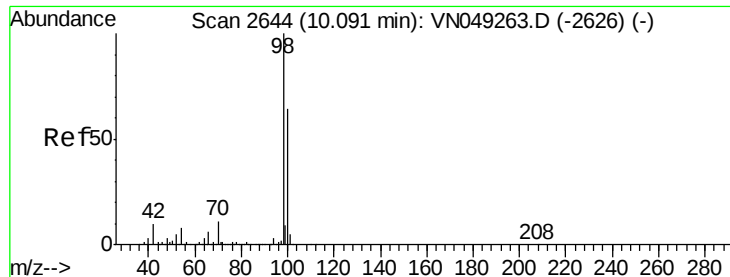
43 162.4 30.9 46.3#

58 111.1 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 44.77 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

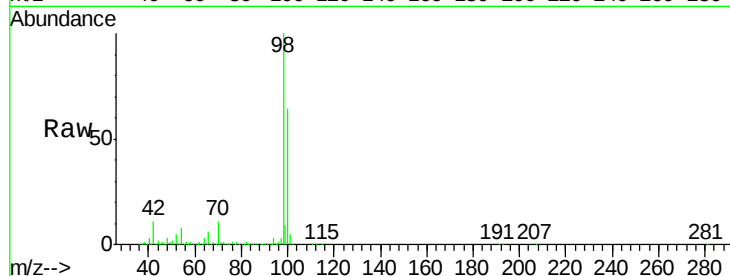
ClientSampleId :

Tot Ion: 98 Resp: 2756039

Ion Ratio Lower Upper

98 100

100 63.9 49.8 74.8



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

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

10.09

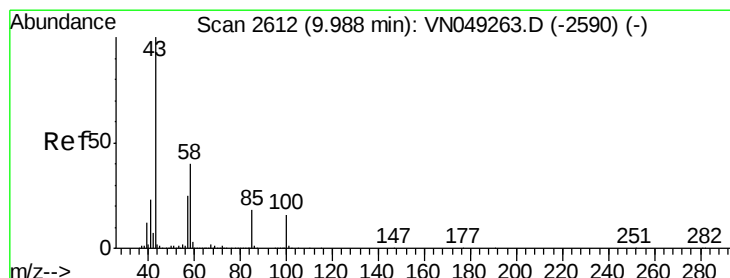
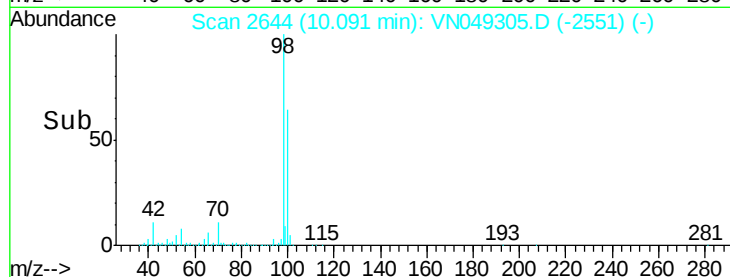
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.47 ug/l

RT: 9.99 min Scan# 2614

Delta R.T. 0.01 min

Lab File: VN049305.D

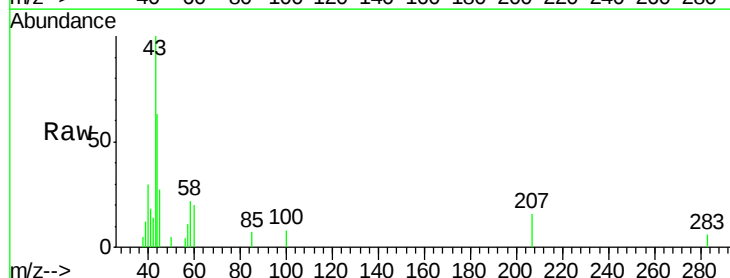
Acq: 16 Jun 2018 12:01

Tgt Ion: 43 Resp: 5854

Ion Ratio Lower Upper

43 100

58 34.3 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

4000

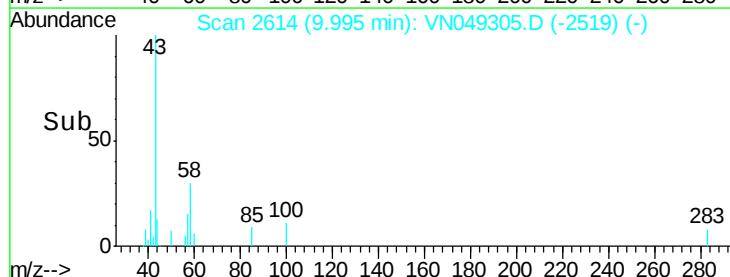
3000

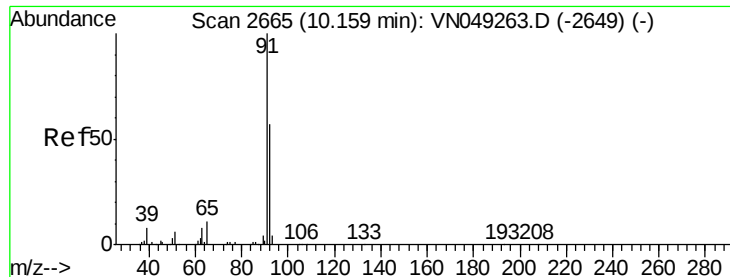
2000

1000

0

Time-->





#52

Toluene

Concen: 0.25 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

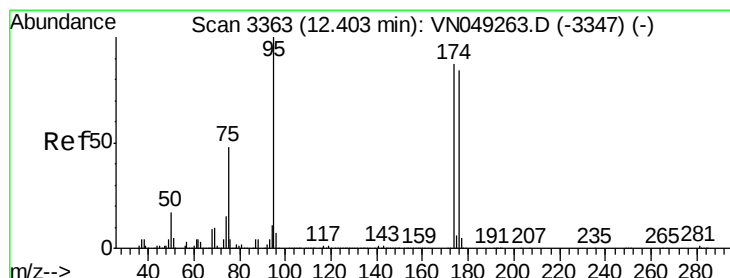
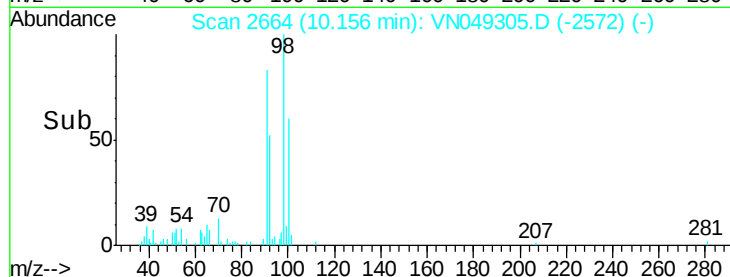
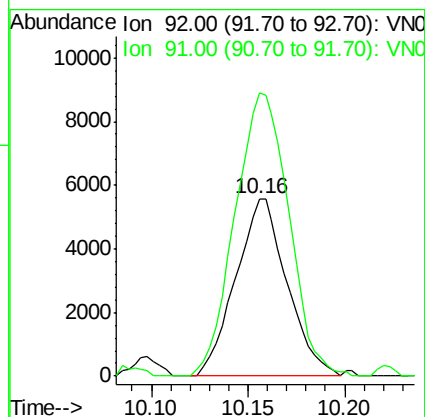
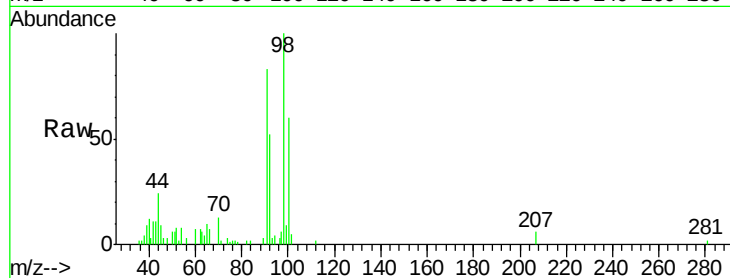
ClientSampleId :

Tot Ion: 92 Resp: 10296

Ion Ratio Lower Upper

92 100

91 167.6 143.4 215.2



#62

4-Bromofluorobenzene

Concen: 32.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

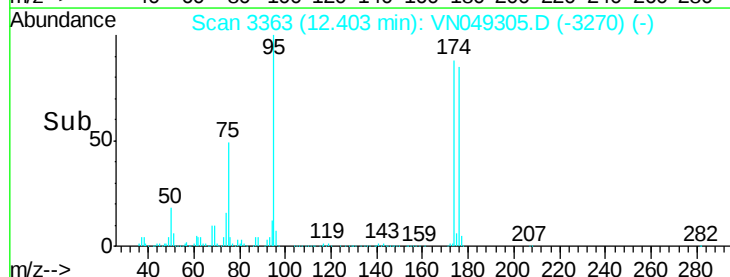
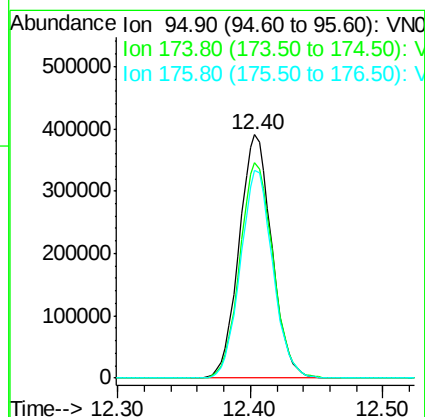
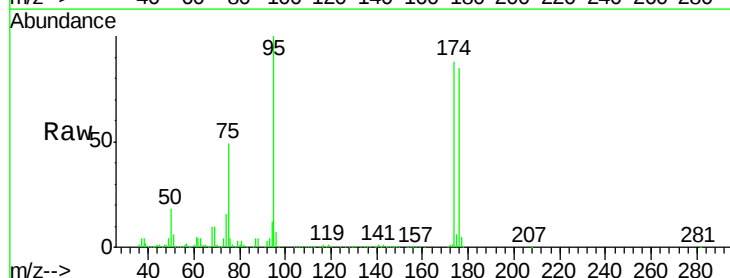
Tgt Ion: 95 Resp: 667174

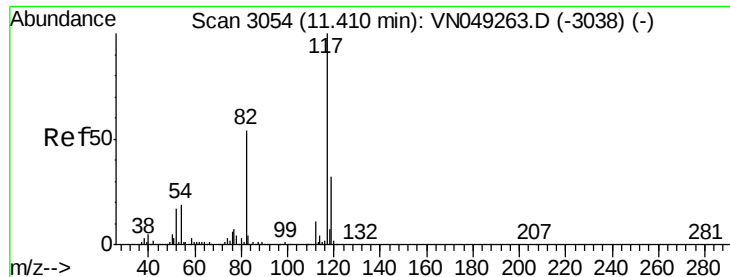
Ion Ratio Lower Upper

95 100

174 90.2 0.0 165.6

176 84.7 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: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

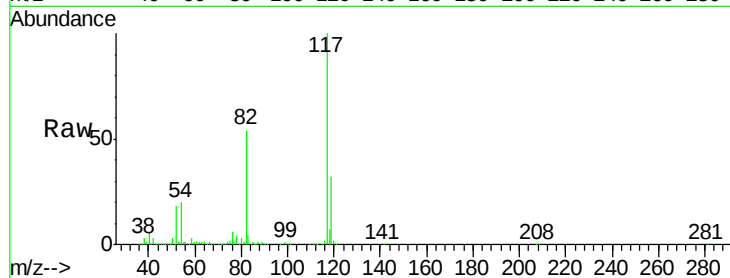
Tot Ion:117 Resp: 1620224

Ion Ratio Lower Upper

117 100

82 54.4 45.9 68.9

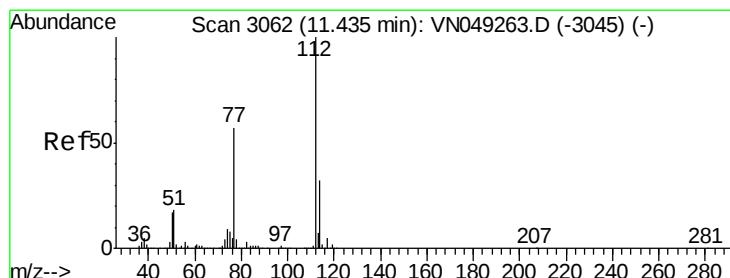
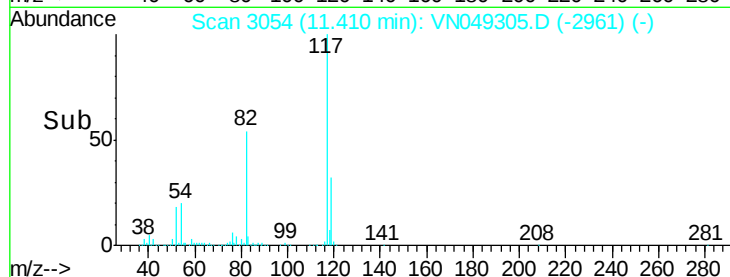
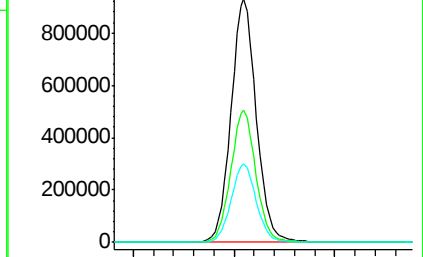
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.45 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049305.D

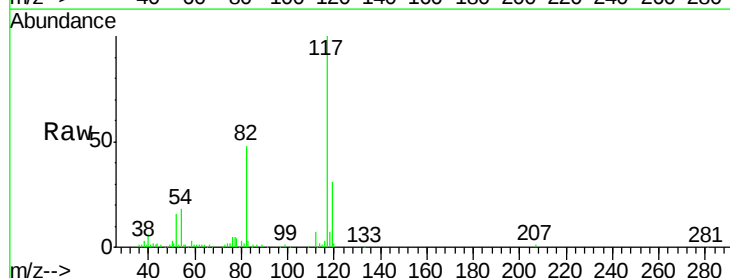
Acq: 16 Jun 2018 12:01

Tgt Ion:112 Resp: 18575

Ion Ratio Lower Upper

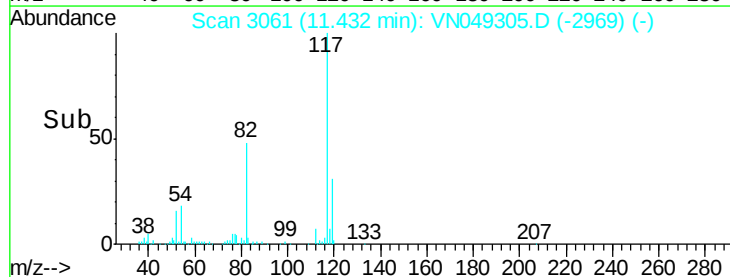
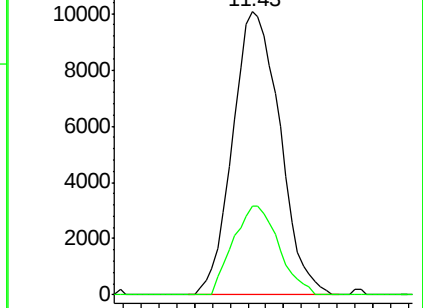
112 100

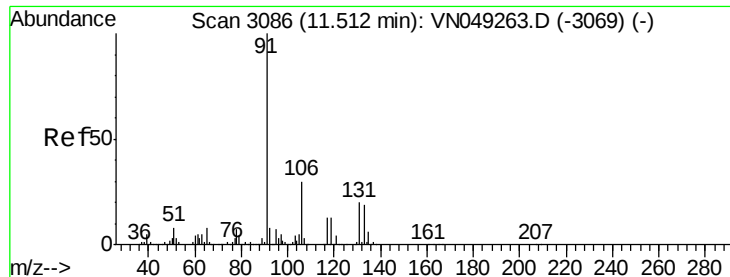
114 31.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.41 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

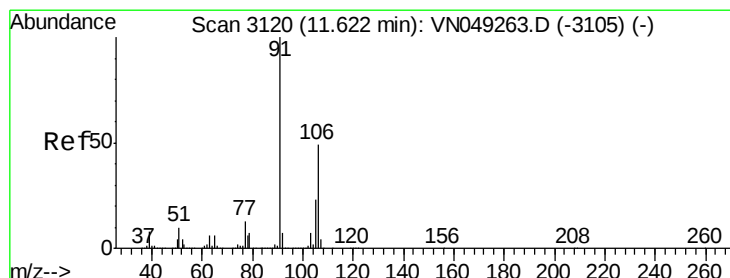
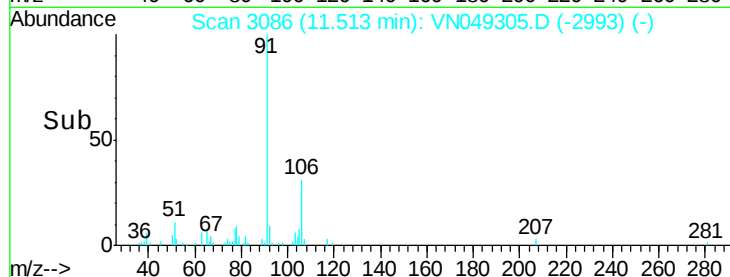
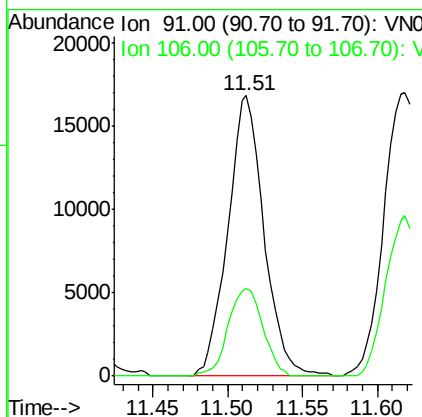
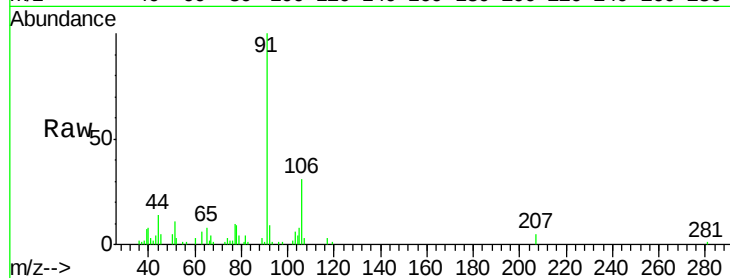
ClientSampleId :

Tot Ion: 91 Resp: 28306

Ion Ratio Lower Upper

91 100

106 31.4 23.9 35.9



#68

m/p-Xylenes

Concen: 0.65 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049305.D

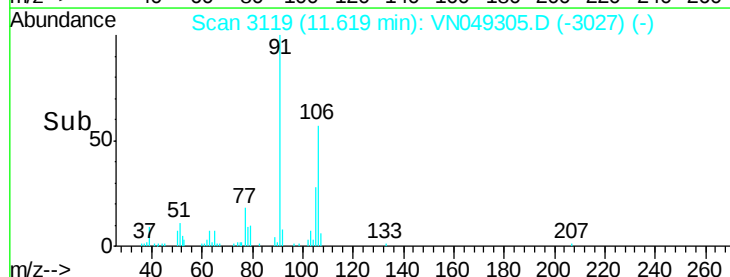
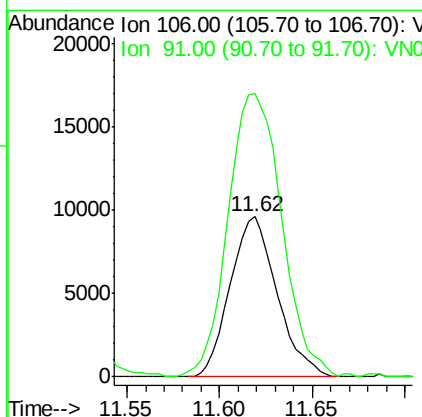
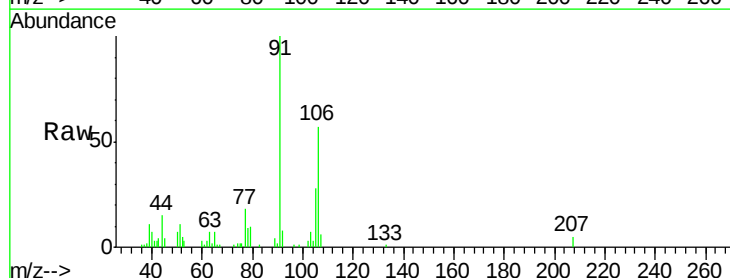
Acq: 16 Jun 2018 12:01

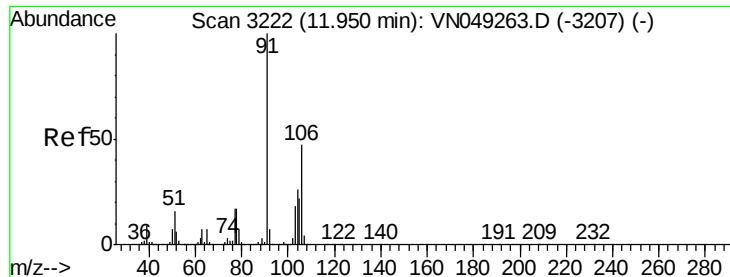
Tgt Ion: 106 Resp: 16889

Ion Ratio Lower Upper

106 100

91 202.7 167.3 250.9

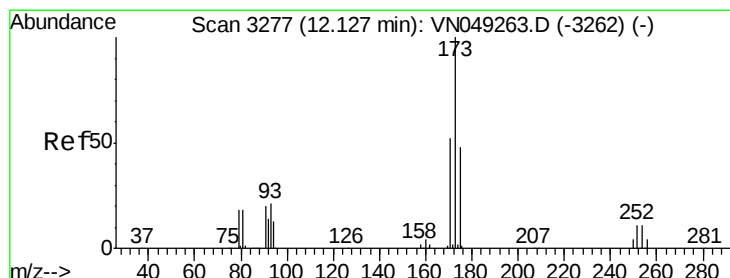
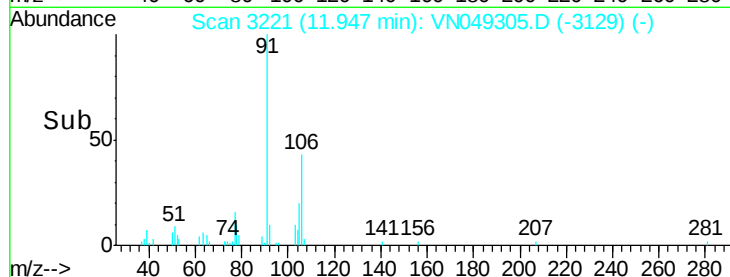
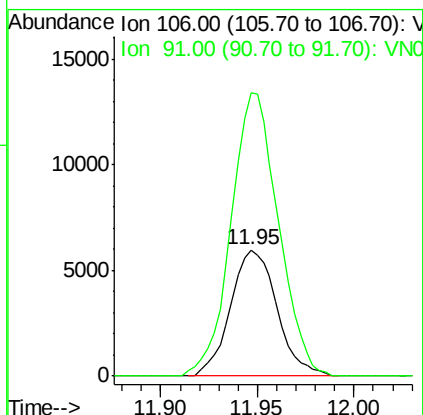
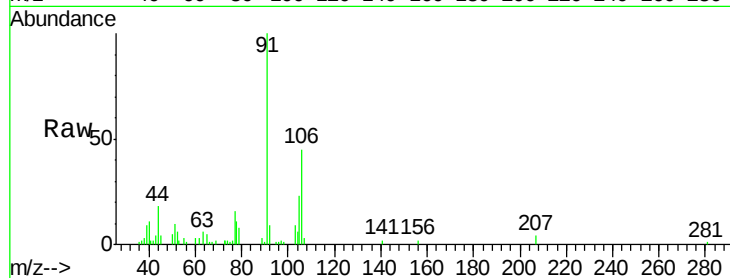




#69
o-Xylene
Concen: 0.40 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049305.D
Acq: 16 Jun 2018 12:01

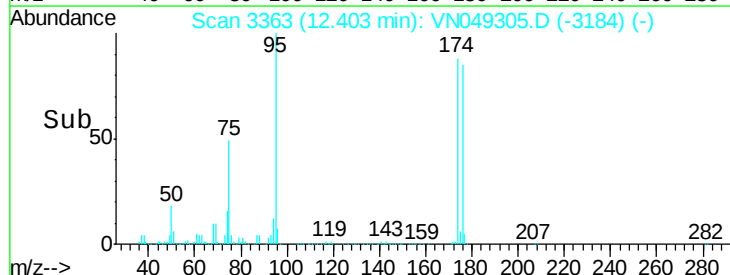
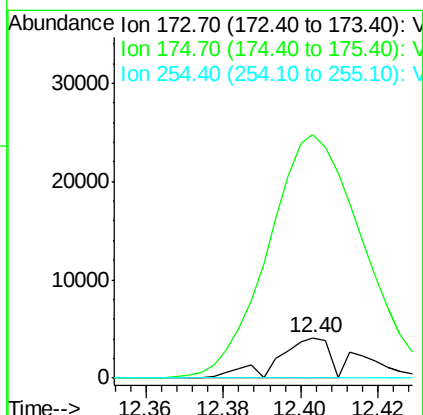
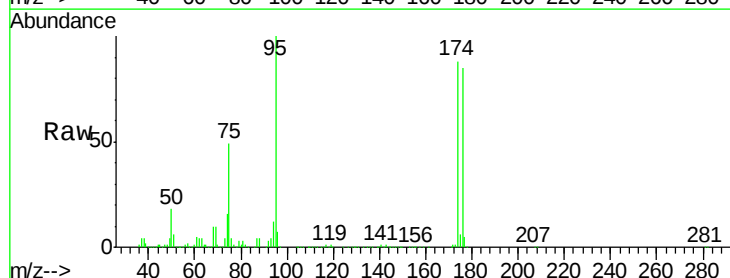
Instrument :
MSVOA_N
ClientSampled :

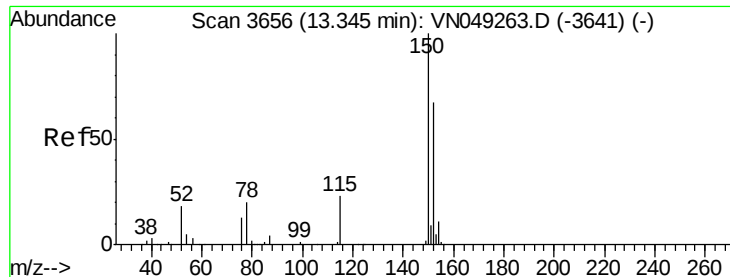
Tot Ion:106 Resp: 9974
Ion Ratio Lower Upper
106 100
91 228.4 111.0 333.0



#71
Bromoform
Concen: 0.37 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049305.D
Acq: 16 Jun 2018 12:01

Tgt Ion:173 Resp: 3756
Ion Ratio Lower Upper
173 100
175 910.4 24.5 73.5#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

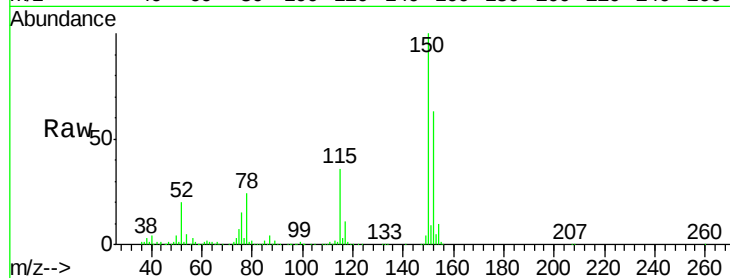
Tot Ion:152 Resp: 465018

Ion Ratio Lower Upper

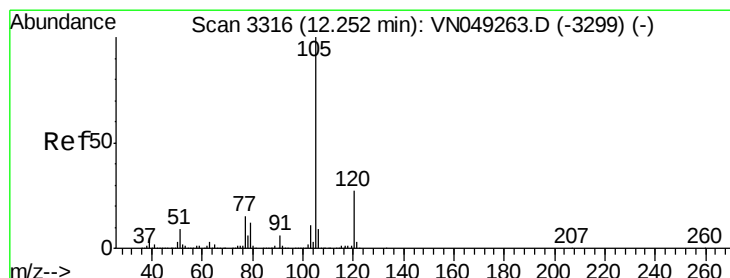
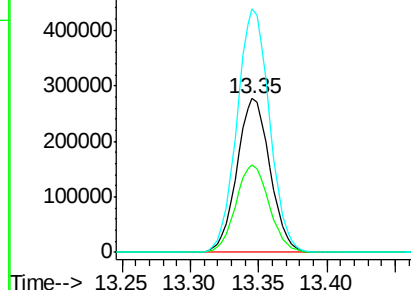
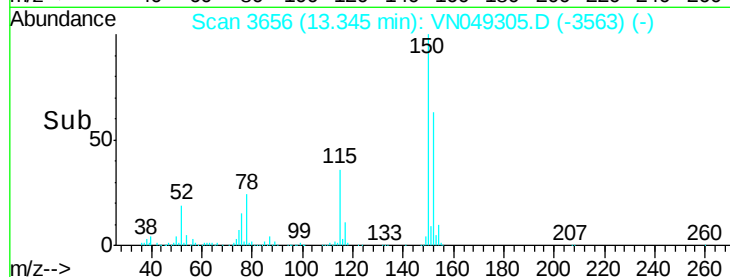
152 100

115 57.7 28.7 86.1

150 156.6 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.41 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049305.D

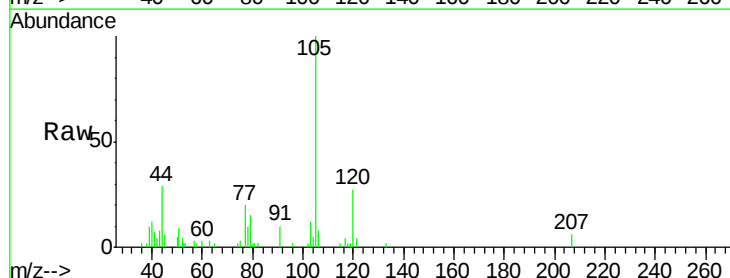
Acq: 16 Jun 2018 12:01

Tgt Ion:105 Resp: 16909

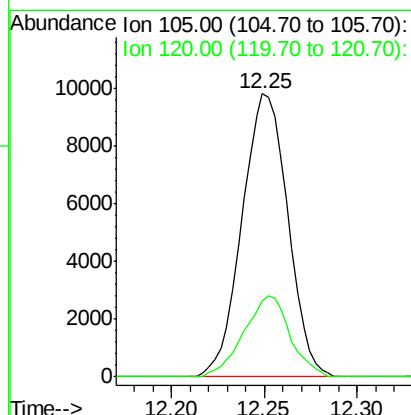
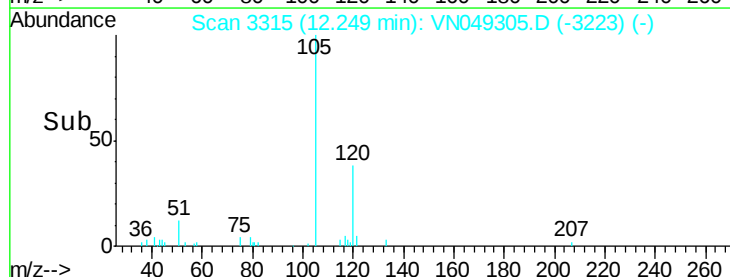
Ion Ratio Lower Upper

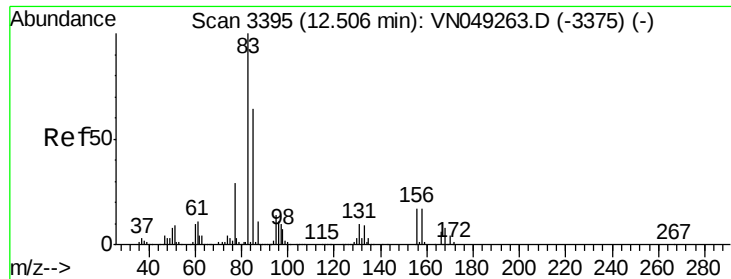
105 100

120 28.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

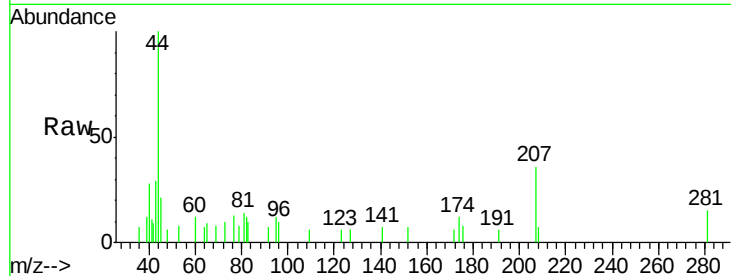
Tot Ion: 83 Resp: 238

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

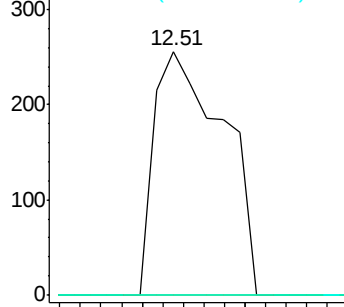
85 0.0 32.0 96.0#



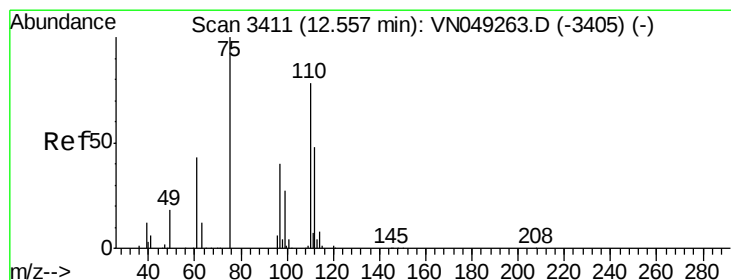
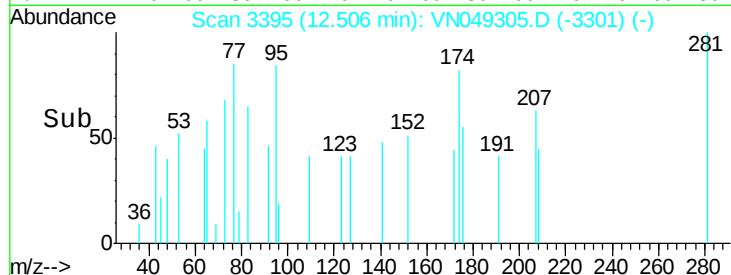
Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



Time-->



#76

1,2,3-Trichloropropane

Concen: 40.81 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049305.D

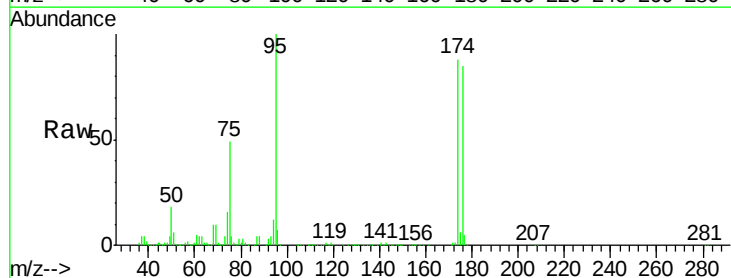
Acq: 16 Jun 2018 12:01

Tgt Ion: 75 Resp: 323780

Ion Ratio Lower Upper

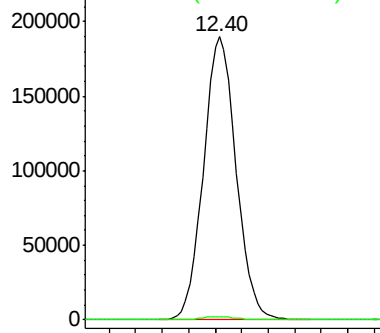
75 100

77 1.3 0.0 0.0#

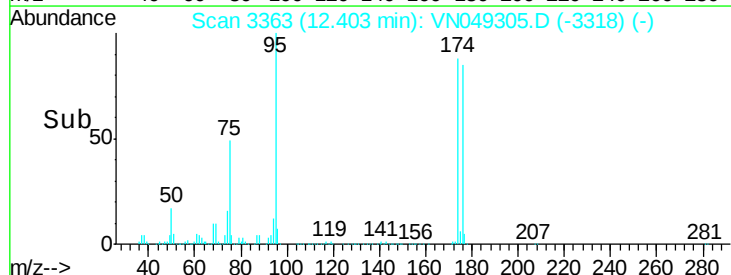


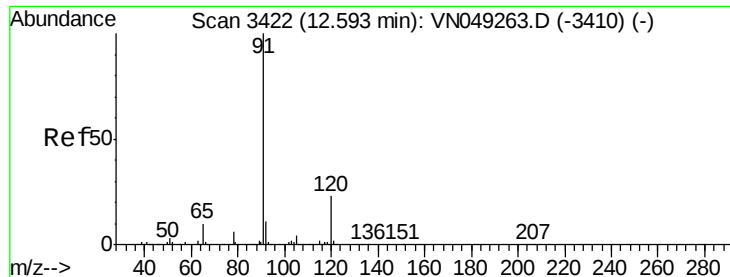
Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC



Time-->





#78

n-propylbenzene

Concen: 0.80 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

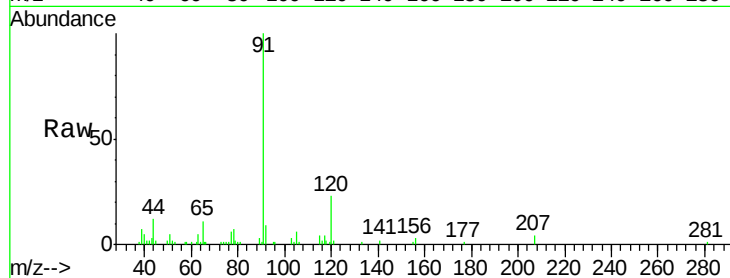
ClientSampleId :

Tot Ion: 91 Resp: 35659

Ion Ratio Lower Upper

91 100

120 23.4 11.2 33.5

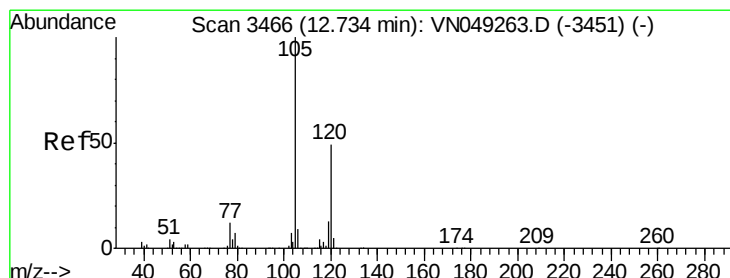
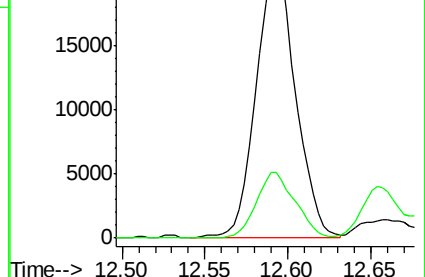
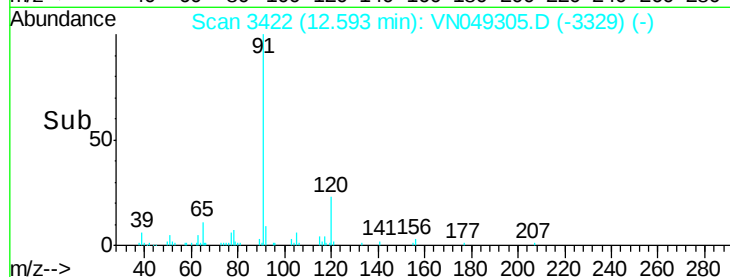


Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3410) (-)

12.59

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.49 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049305.D

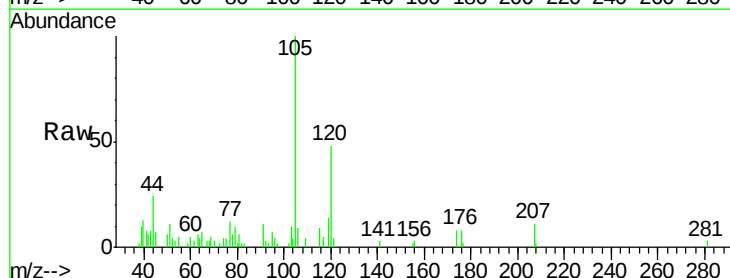
Acq: 16 Jun 2018 12:01

Tgt Ion: 105 Resp: 15646

Ion Ratio Lower Upper

105 100

120 46.8 23.5 70.5

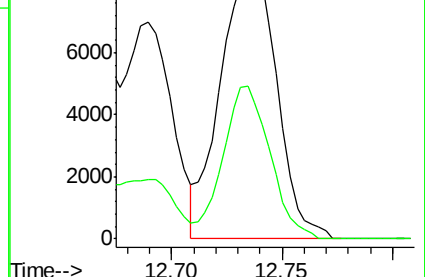
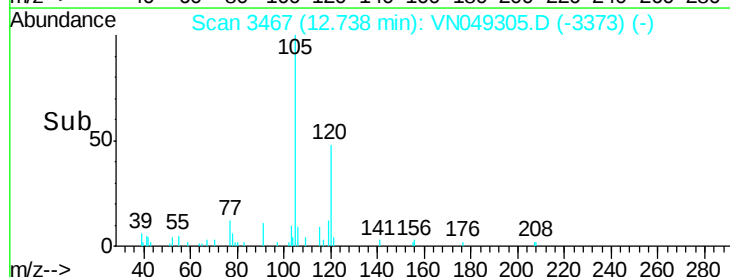


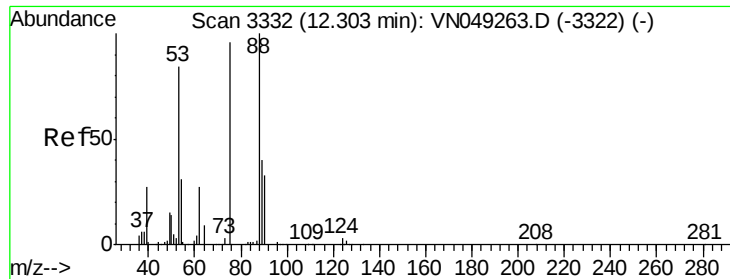
Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)

12.74

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 128.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

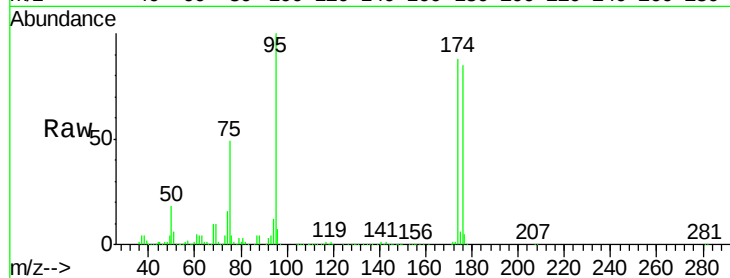
Tot Ion: 75 Resp: 323780

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

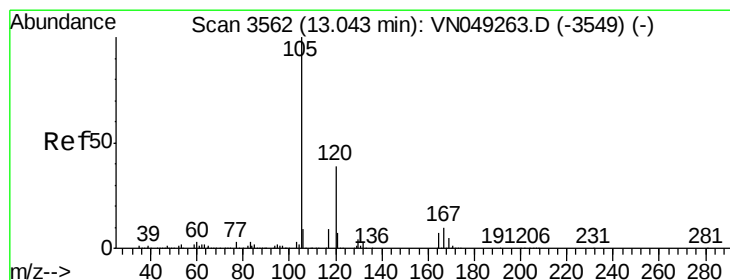
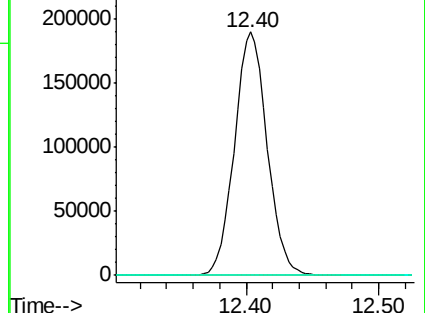
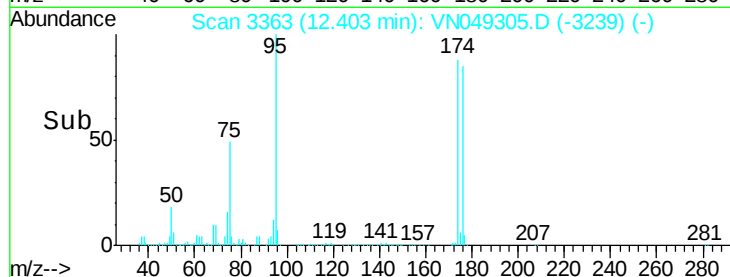
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049305.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049305.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049305.D (-3363) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.32 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049305.D

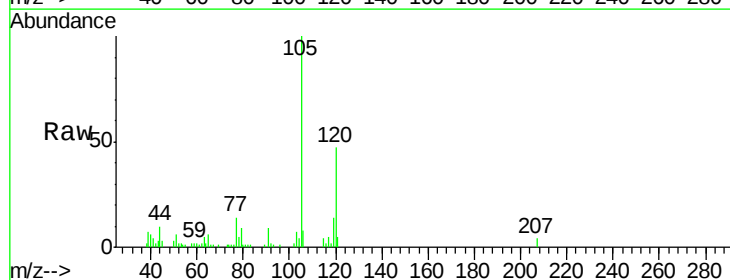
Acq: 16 Jun 2018 12:01

Tgt Ion: 105 Resp: 42179

Ion Ratio Lower Upper

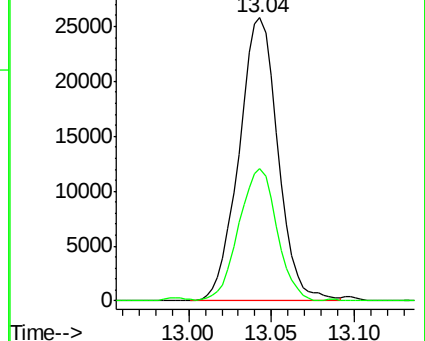
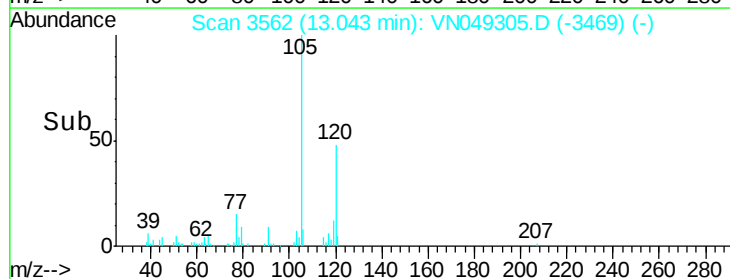
105 100

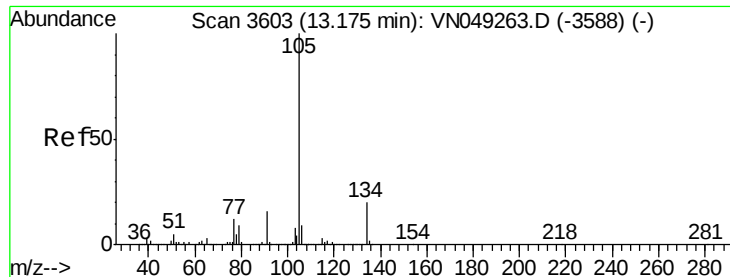
120 45.7 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049305.D (-3562) (-)

Ion 120.00 (119.70 to 120.70): VN049305.D (-3562) (-)





#85

sec-Butylbenzene

Concen: 0.60 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

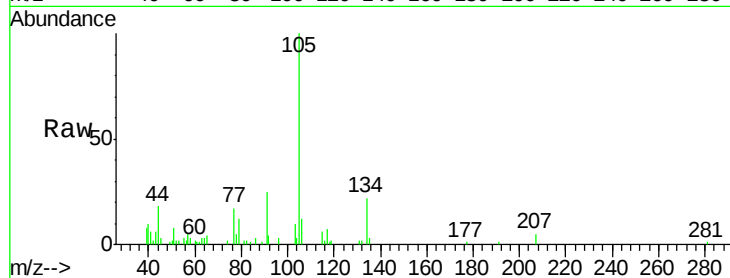
ClientSampleId :

Tot Ion:105 Resp: 22525

Ion Ratio Lower Upper

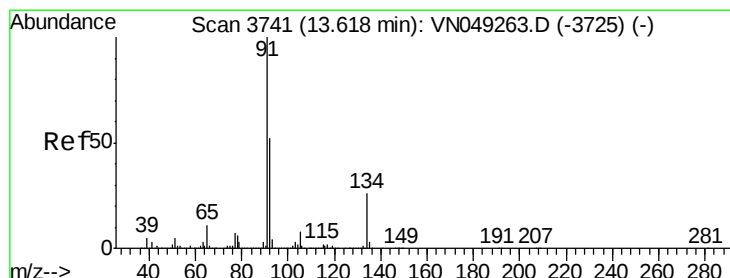
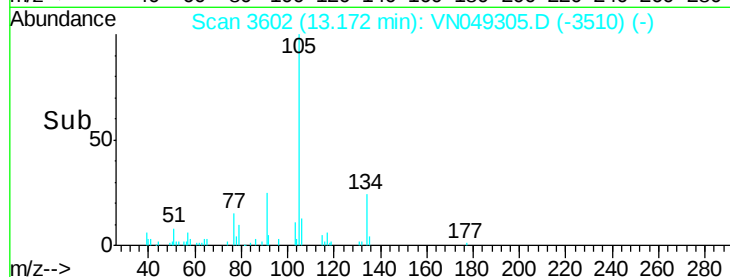
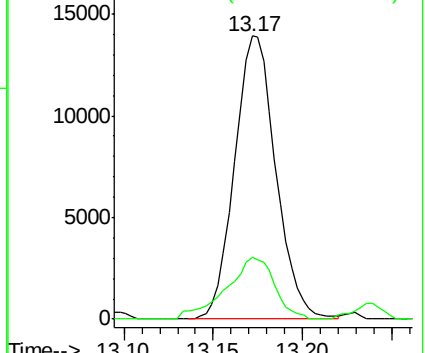
105 100

134 25.5 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.41 ug/l

RT: 13.61 min Scan# 3739

Delta R.T. -0.01 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

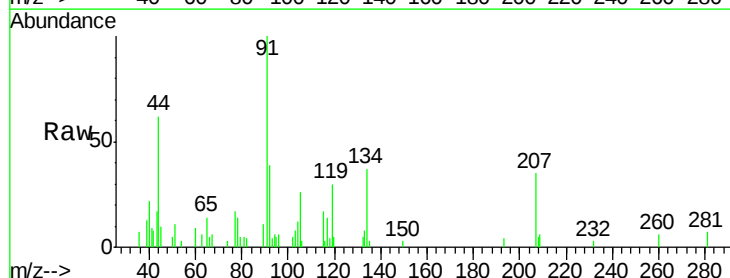
Tgt Ion: 91 Resp: 10140

Ion Ratio Lower Upper

91 100

92 34.1 25.1 75.4

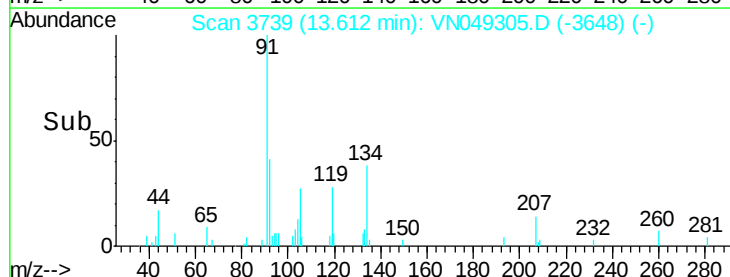
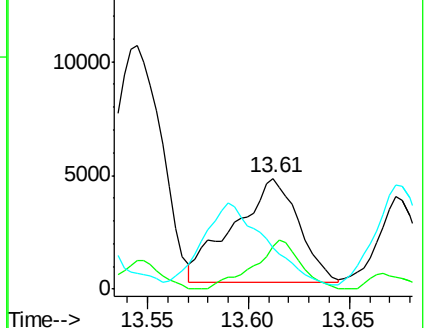
134 0.0 12.0 36.0#

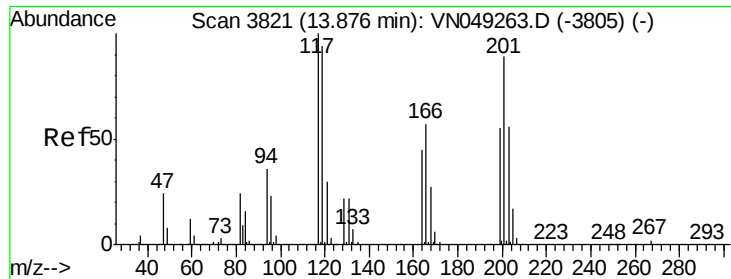


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.72 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA_N

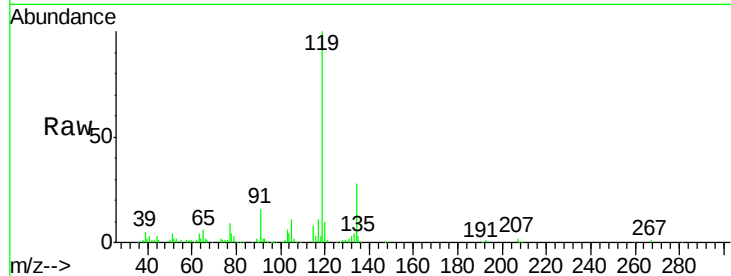
ClientSampleId :

Tot Ion:117 Resp: 14297

Ion Ratio Lower Upper

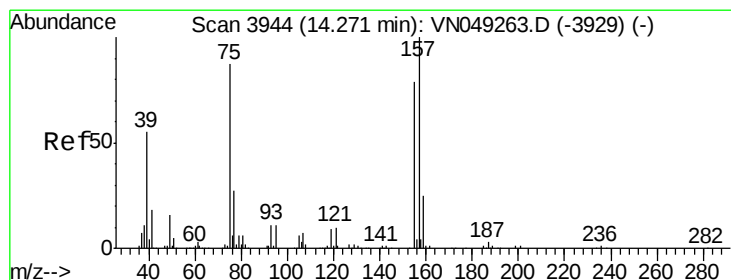
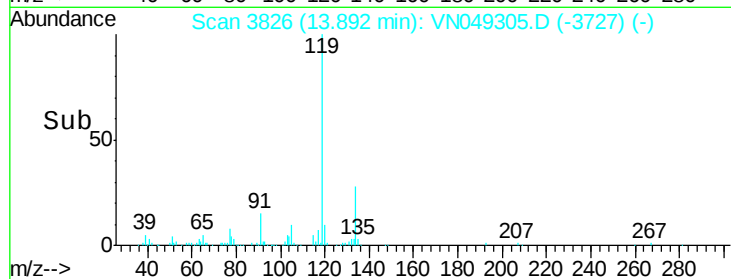
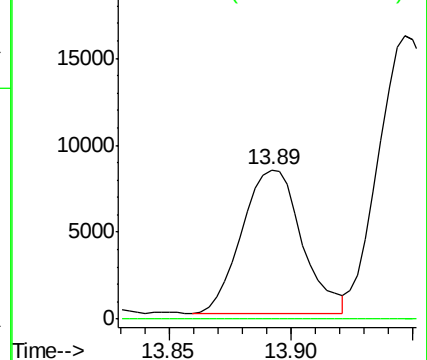
117 100

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.21 ug/l

RT: 14.26 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

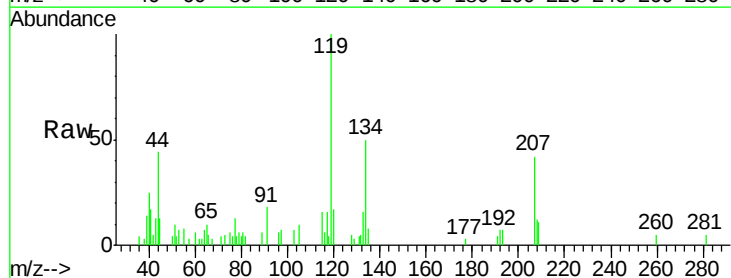
Tgt Ion: 75 Resp: 303

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

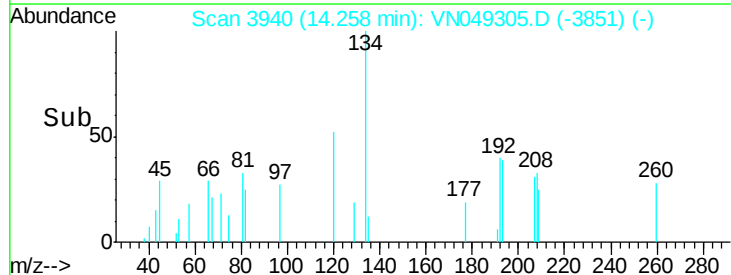
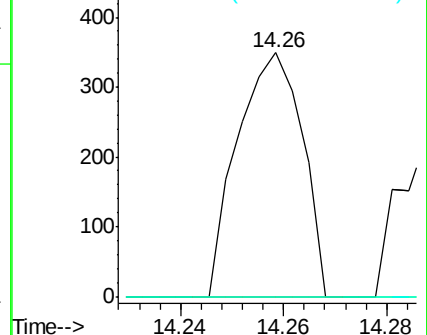
157 0.0 51.0 153.1#

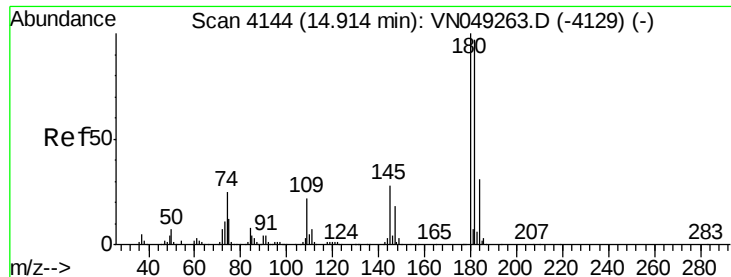


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

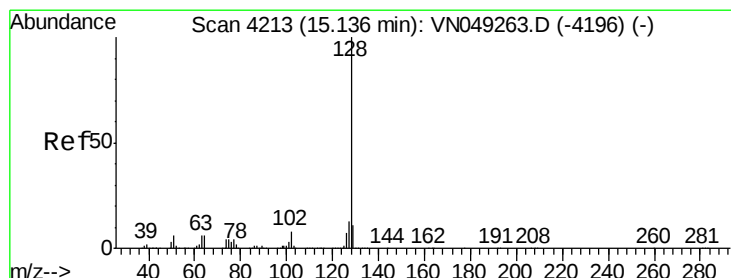
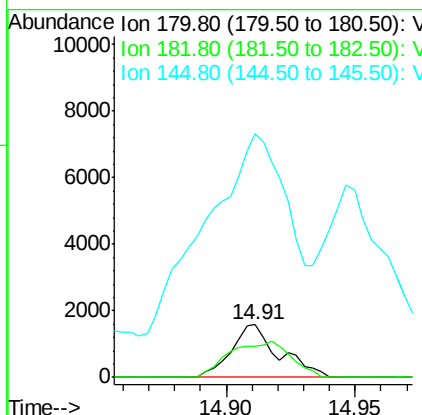
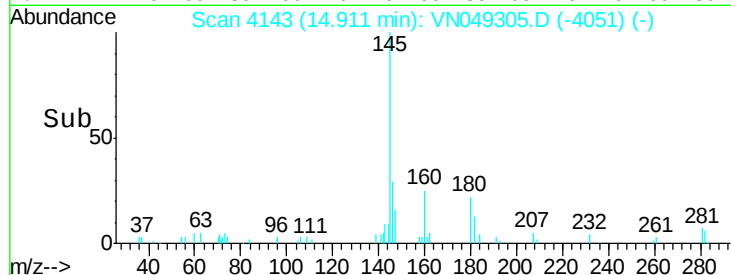
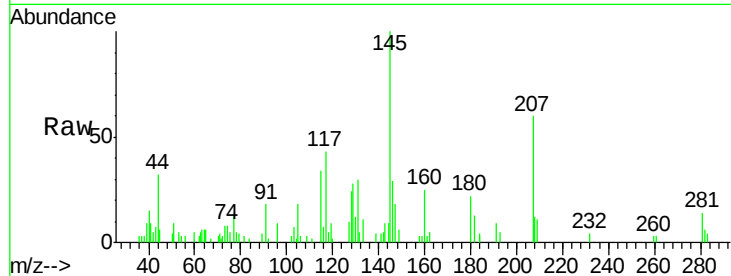




#93
 1,2,4-Trichlorobenzene
 Concen: 4.97 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049305.D
 Acq: 16 Jun 2018 12:01

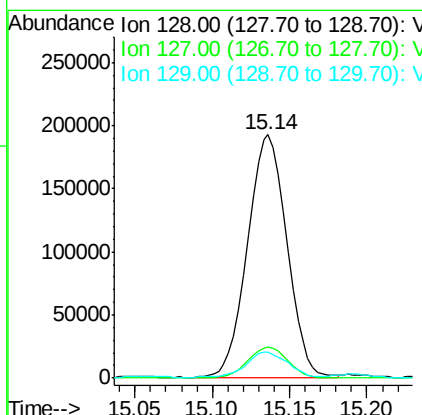
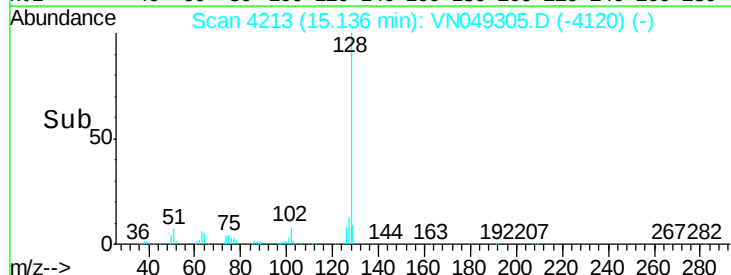
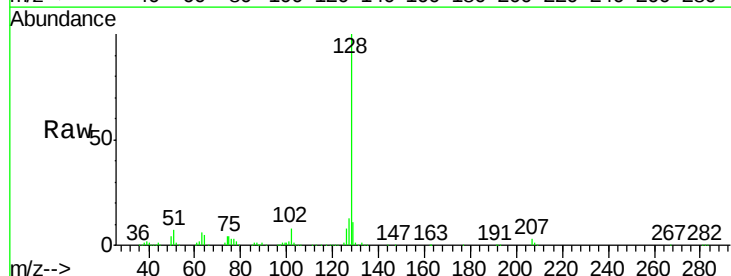
Instrument :
 MSVOA_N
 ClientSampleId :

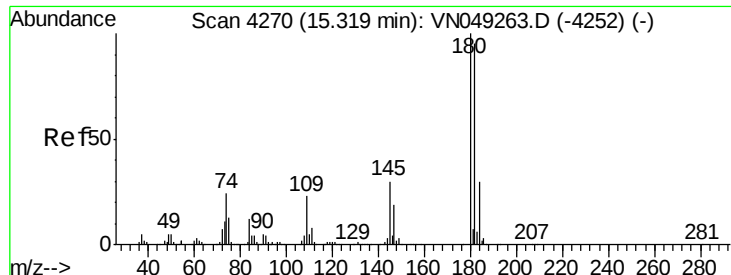
Tot Ion:180 Resp: 2041
 Ion Ratio Lower Upper
 180 100
 182 87.7 46.9 140.8
 145 836.6 14.7 44.1#



#95
 Naphthalene
 Concen: 26.66 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049305.D
 Acq: 16 Jun 2018 12:01

Tgt Ion:128 Resp: 340122
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.6 16.0
 129 10.7 8.5 12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 3.53 ua/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049305.D
 Acq: 16 Jun 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 645
 Ion Ratio Lower Upper
 180 100
 182 72.1 47.3 141.8
 145 1097.5 15.6 46.7#

