

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049612.D
 Acq On : 29 Jun 2018 1:43
 Operator : MD\SY
 Sample : J3242-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 04:21:00 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	1134812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1776953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1479345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	600942	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	730062	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
35) Dibromofluoromethane	7.59	113	643000	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	
50) Toluene-d8	10.09	98	2391742	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	
62) 4-Bromofluorobenzene	12.40	95	701775	38.77	ug/l	0.00
Spiked Amount			Recovery	=	77.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	2480	2.68	ug/l #	73
14) Allyl chloride	4.55	41	78367	3.81	ug/l #	20
16) Acetone	3.82	43	78279	21.42	ug/l #	87
17) Carbon Disulfide	4.05	76	13859	0.34	ug/l #	94
18) Methyl Acetate	4.33	43	136969	12.29	ug/l	94
20) Methylene Chloride	4.55	84	2263220	148.28	ug/l	91
25) 2-Butanone	6.85	43	10678	2.18	ug/l	99
29) Tetrahydrofuran	7.23	42	3102	0.98	ug/l #	62
30) Chloroform	7.37	83	13633	0.52	ug/l	84
31) Cyclohexane	7.66	56	20174	0.73	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	77856	3.82	ug/l #	51
38) Carbon Tetrachloride	7.67	117	102359	4.85	ug/l #	17
43) Isopropyl Acetate	8.34	43	490545	23.19	ug/l #	64
47) Bromodichloromethane	9.41	83	6130	0.29	ug/l #	86
49) 1,4-Dioxane	9.20	88	68	0.49	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	7575	0.68	ug/l	90
52) Toluene	10.16	92	13223	0.36	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	425	14.40	ug/l #	51
59) 2-Hexanone	10.76	43	3808	0.53	ug/l	98
65) Chlorobenzene	11.44	112	13670	0.36	ug/l	94
67) Ethyl Benzene	11.51	91	14537	0.23	ug/l	93
68) m/p-Xylenes	11.62	106	14155	0.60	ug/l	84
69) o-Xylene	11.95	106	5626	0.25	ug/l	96
73) Isopropylbenzene	12.25	105	11990	0.23	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	961	Below Cal	#	94
76) 1,2,3-Trichloropropane	12.40	75	347143	33.86	ug/l #	100
78) n-propylbenzene	12.59	91	31295	0.54	ug/l	99
79) 2-Chlorotoluene	12.68	91	8033	0.22	ug/l	74
80) 1,3,5-Trimethylbenzene	12.73	105	15089	0.36	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	347143	107.00	ug/l #	9
82) 4-Chlorotoluene	12.78	91	7980	0.23	ug/l	83
84) 1,2,4-Trimethylbenzene	13.04	105	43212	1.05	ug/l	97
85) sec-Butylbenzene	13.17	105	17250	0.35	ug/l	86
86) p-Isopropyltoluene	13.29	119	8191	0.20	ug/l	91

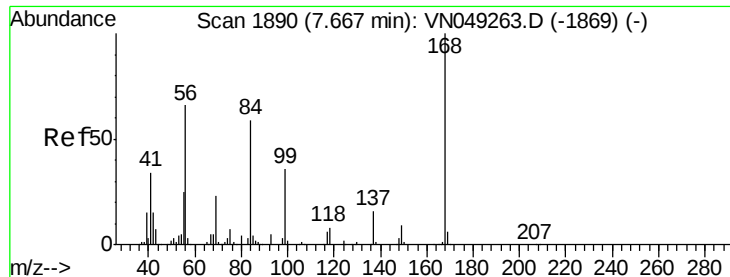
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049612.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	13.29	146	6610	0.29	ug/l	95
88) 1,4-Dichlorobenzene	13.29	146	6610	0.29	ug/l	93
89) n-Butylbenzene	13.62	91	18467	0.58	ug/l #	80
90) Hexachloroethane	13.89	117	5569	Below	Cal #	9
91) 1,2-Dichlorobenzene	13.65	146	6558	0.29	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.28	75	710	0.39	ug/l #	56
93) 1,2,4-Trichlorobenzene	14.91	180	12294	5.82	ug/l #	68
94) Hexachlorobutadiene	15.01	225	5298	Below	Cal	96
95) Naphthalene	15.14	128	1270960	65.99	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	13273	4.68	ug/l #	65

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

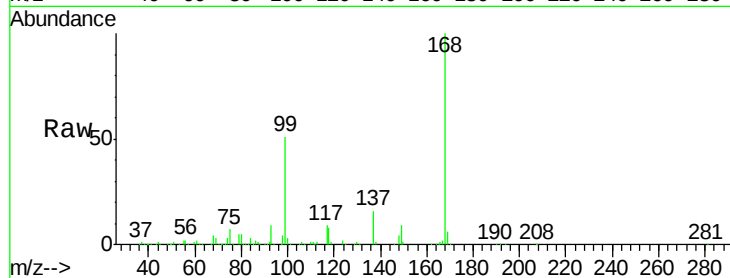
ClientSampleId :

Tot Ion:168 Resp: 1134812

Ion Ratio Lower Upper

168 100

99 50.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049612.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049612.D (-1797) (-)

7.67

400000

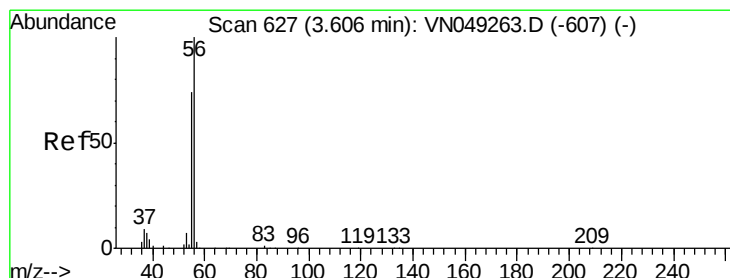
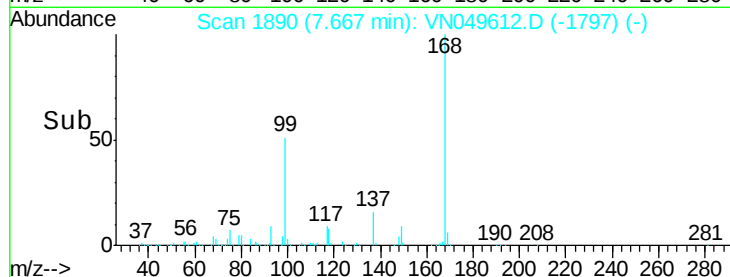
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 2.68 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049612.D

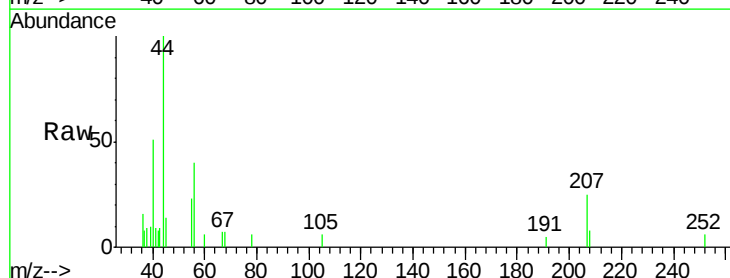
Acq: 29 Jun 2018 1:43

Tgt Ion: 56 Resp: 2480

Ion Ratio Lower Upper

56 100

55 48.6 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN049612.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049612.D (-534) (-)

3.61

1200

1000

800

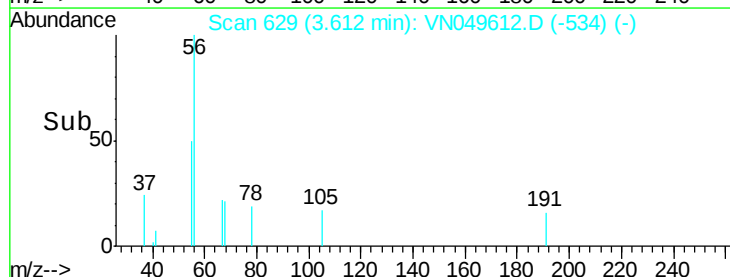
600

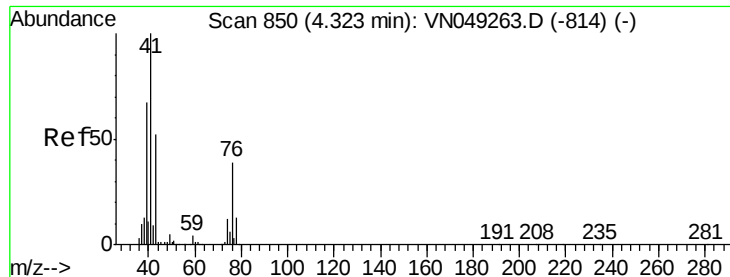
400

200

0

Time-->





#14

Allvl chloride

Concen: 3.81 ug/l

RT: 4.55 min Scan# 920

Delta R.T. 0.23 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

ClientSampleId :

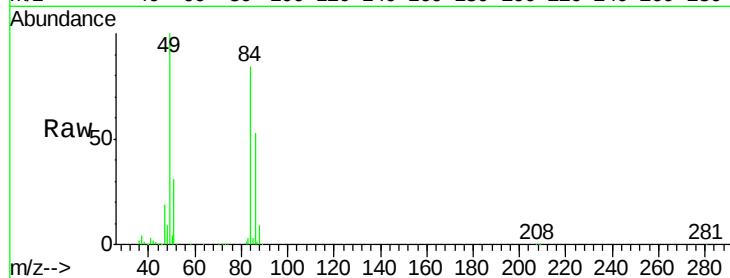
Tot Ion: 41 Resp: 78367

Ion Ratio Lower Upper

41 100

39 0.4 62.5 93.7#

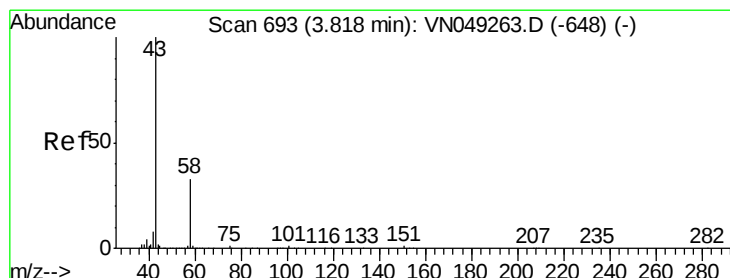
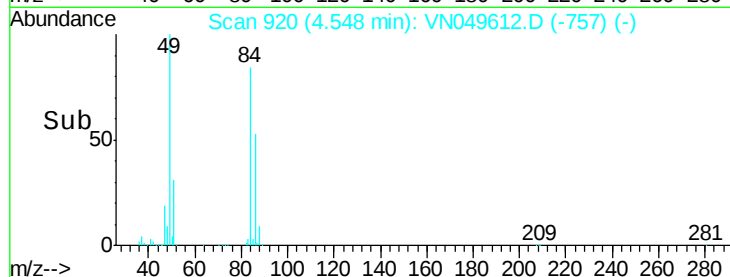
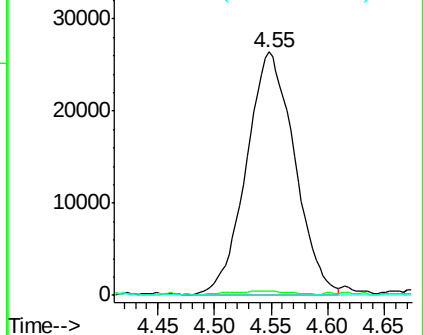
76 0.0 27.1 40.7#



Abundance Ion 41.00 (40.70 to 41.70): VN049612.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN049612.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN049612.D (-757) (-)



#16

Acetone

Concen: 21.42 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049612.D

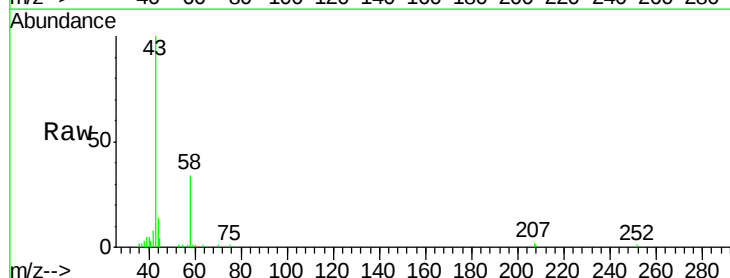
Acq: 29 Jun 2018 1:43

Tgt Ion: 43 Resp: 78279

Ion Ratio Lower Upper

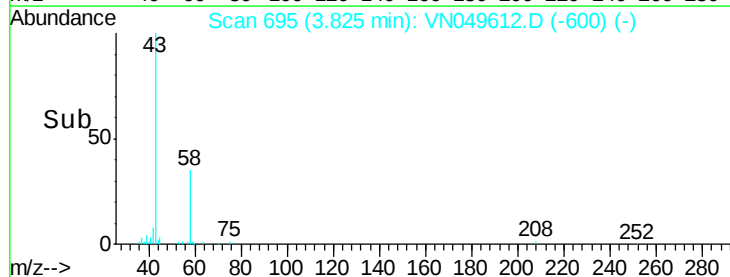
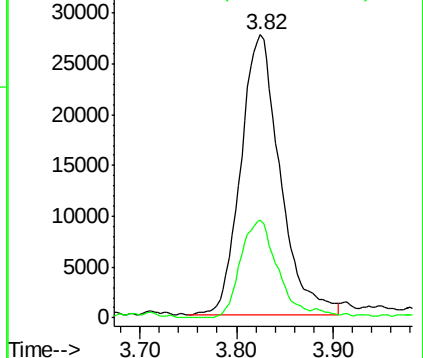
43 100

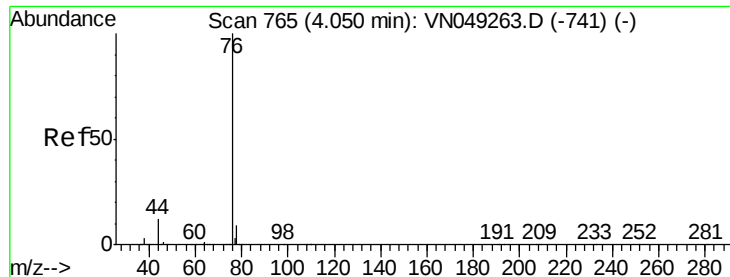
58 34.9 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049612.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049612.D (-600) (-)





#17

Carbon Disulfide

Concen: 0.34 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

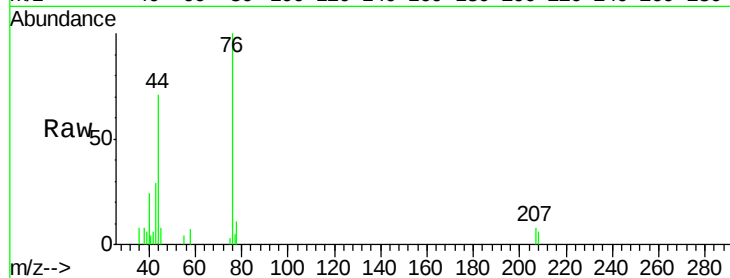
ClientSampled :

Tot Ion: 76 Resp: 13859

Ion Ratio Lower Upper

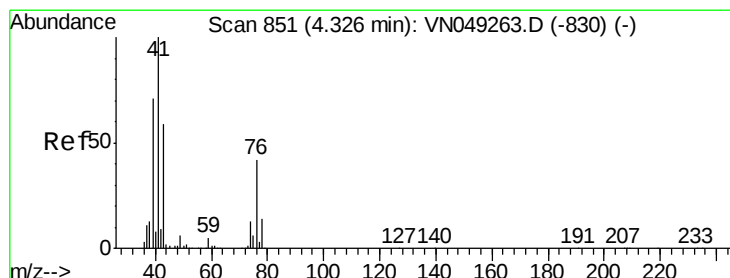
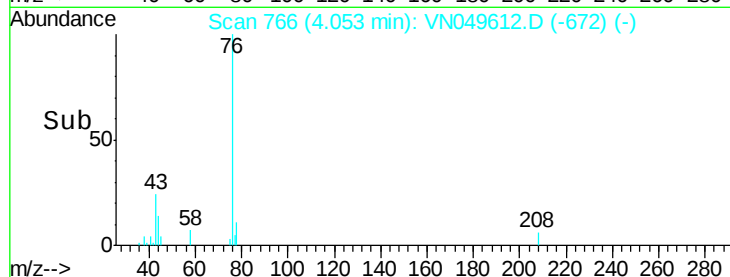
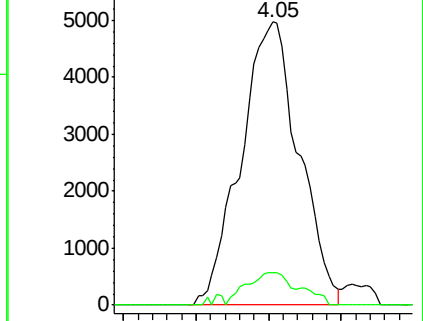
76 100

78 11.4 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN049612.D (-741) (-)

Ion 77.90 (77.60 to 78.60): VN049612.D (-741) (-)



#18

Methyl Acetate

Concen: 12.29 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049612.D

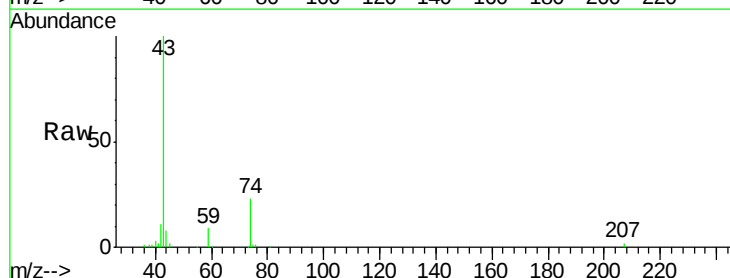
Acq: 29 Jun 2018 1:43

Tgt Ion: 43 Resp: 136969

Ion Ratio Lower Upper

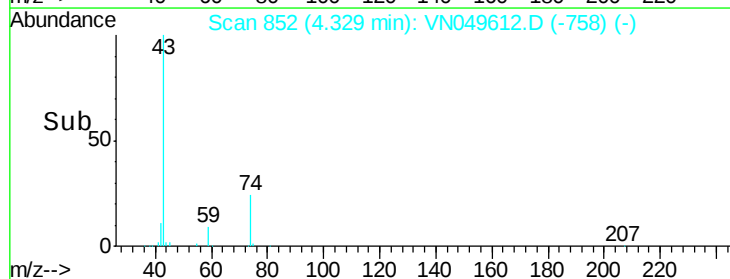
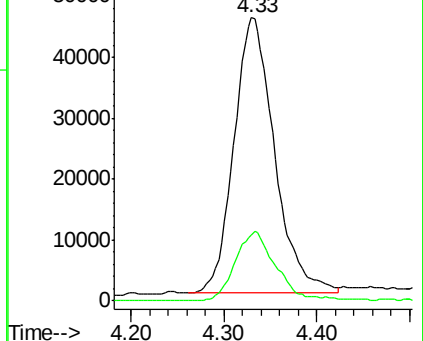
43 100

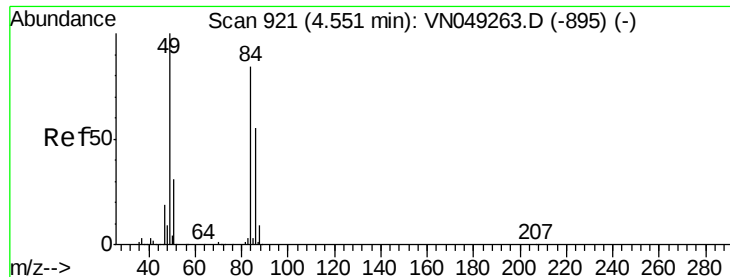
74 24.6 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049612.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN049612.D (-830) (-)



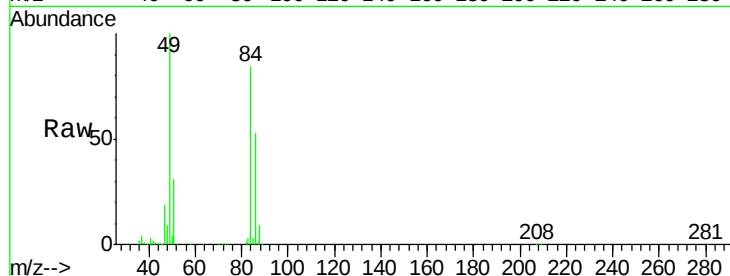


#20
Methvlene Chloride
Concen: 148.28 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 2263220

Ion	Ratio	Lower	Upper
84	100		
49	118.5	106.9	160.3
51	36.5	32.7	49.1
86	62.9	49.8	74.8

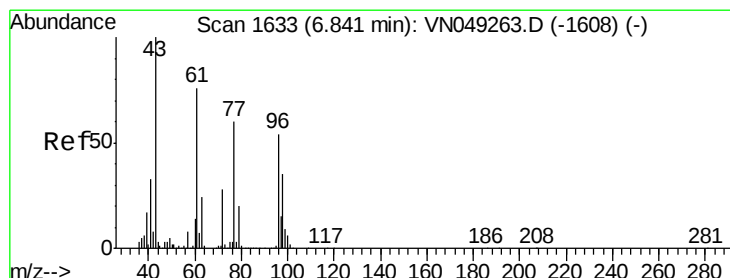
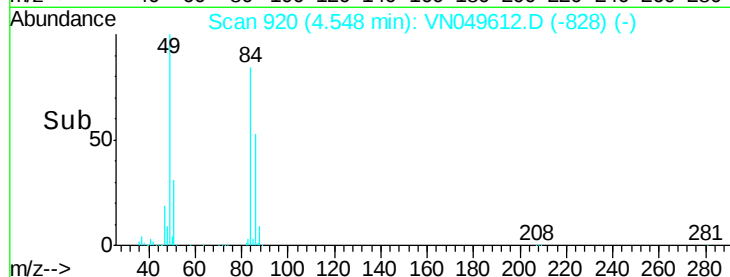
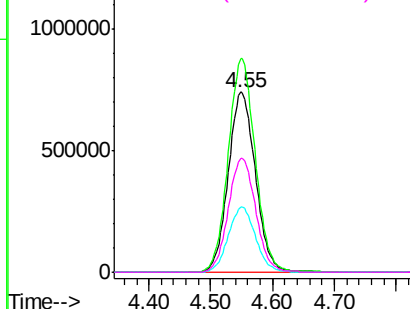


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

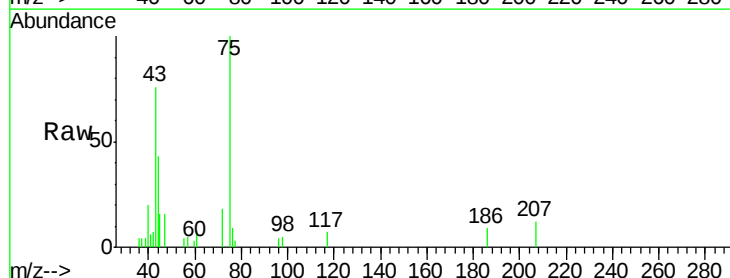
Ion 85.90 (85.60 to 86.60): VNO



#25
2-Butanone
Concen: 2.18 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

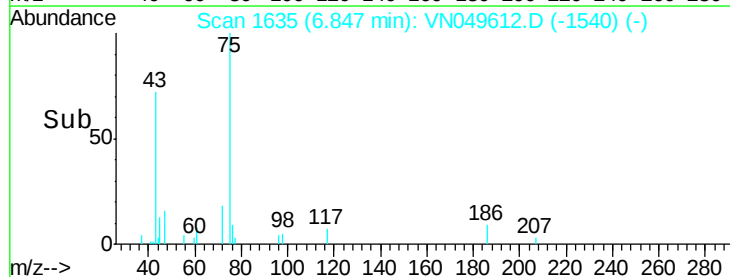
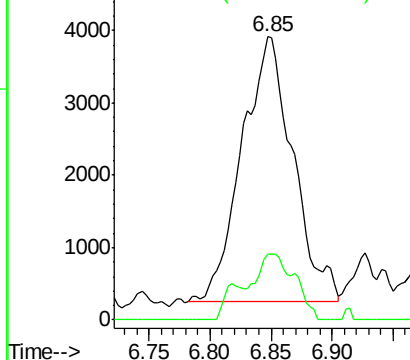
Tgt Ion: 43 Resp: 10678

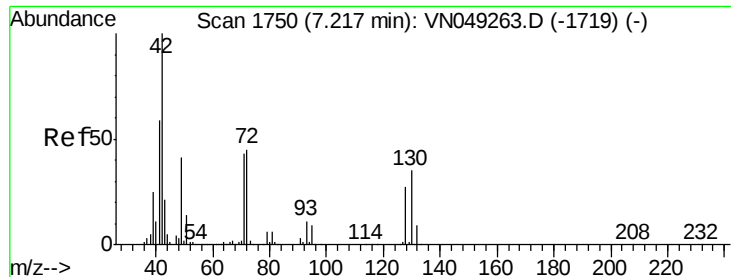
Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.2	30.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

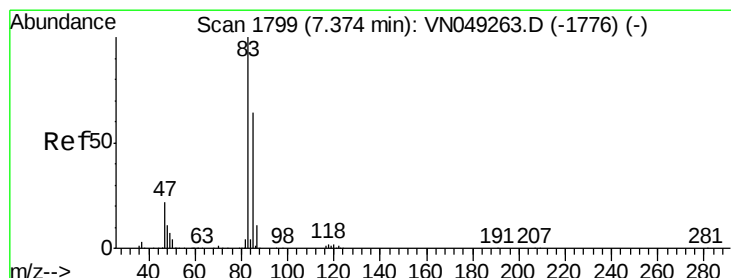
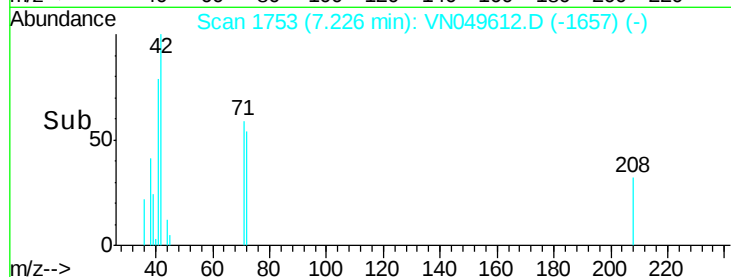
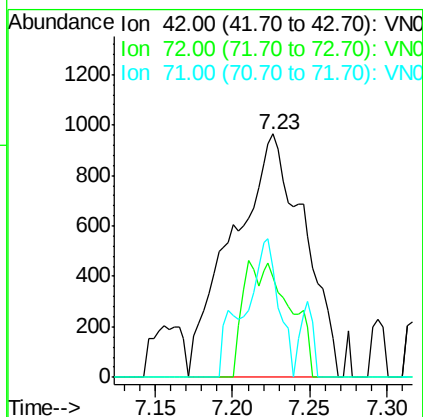
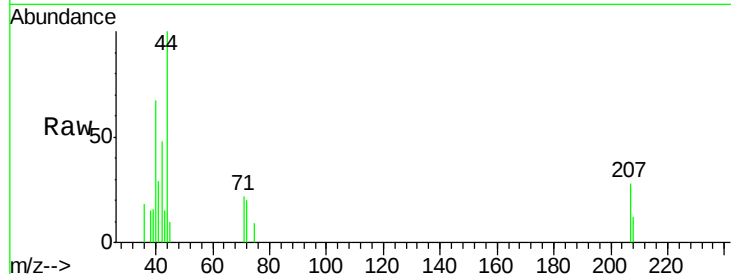




#29
Tetrahydrofuran
Concen: 0.98 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

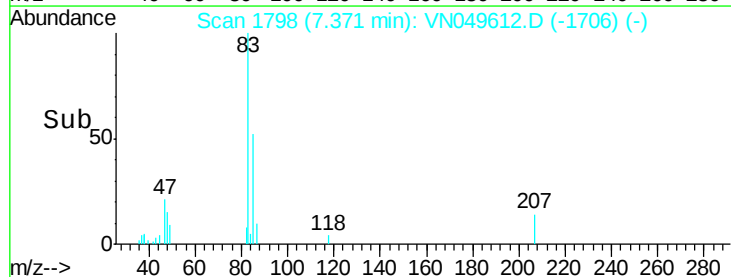
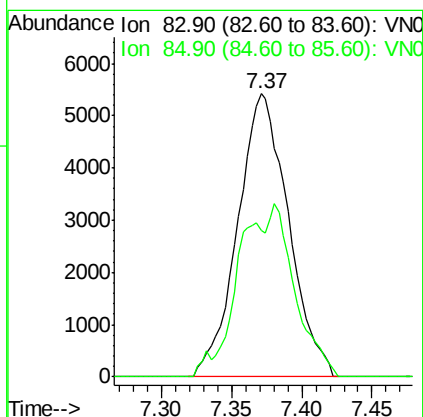
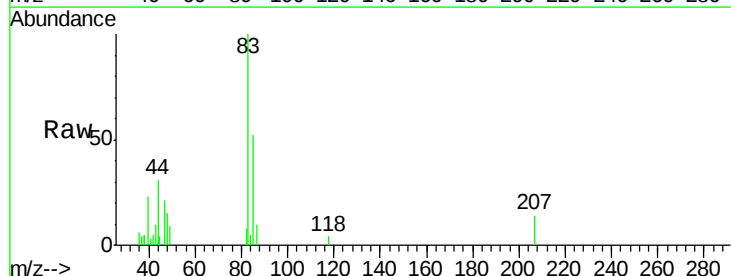
Instrument :
MSVOA_N
ClientSampled :

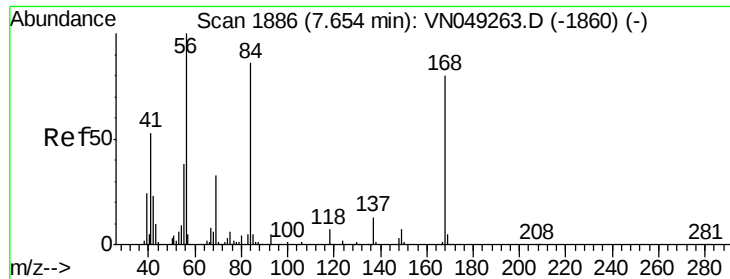
Tot Ion: 42 Resp: 3102
Ion Ratio Lower Upper
42 100
72 11.3 32.2 48.4#
71 20.2 30.5 45.7#



#30
Chloroform
Concen: 0.52 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

Tgt Ion: 83 Resp: 13633
Ion Ratio Lower Upper
83 100
85 51.8 51.7 77.5

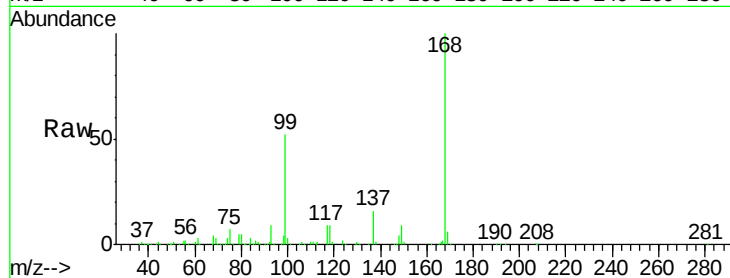




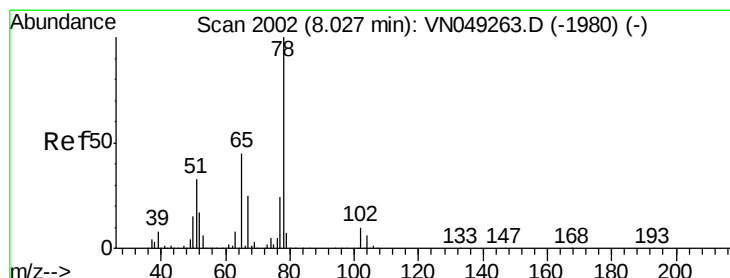
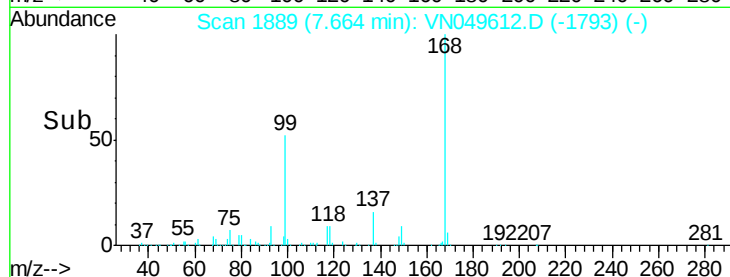
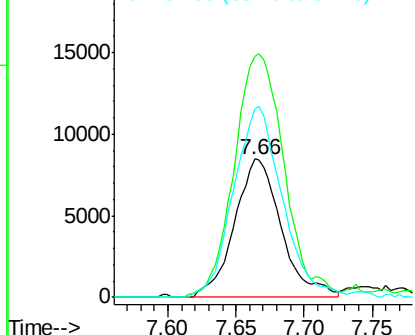
#31
Cyclohexane
Concen: 0.73 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 20174
Ion Ratio Lower Upper
56 100
69 172.0 25.0 37.4#
84 136.4 64.6 96.8#

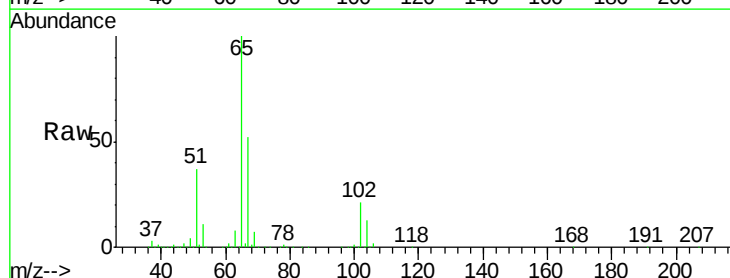


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

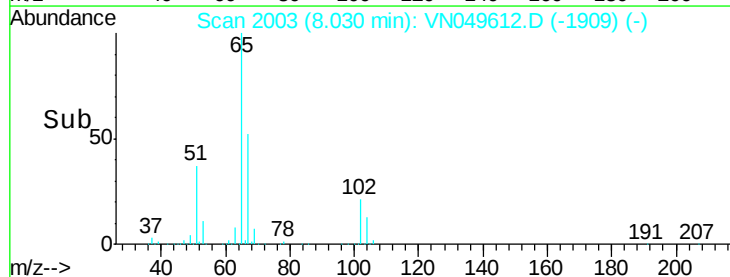
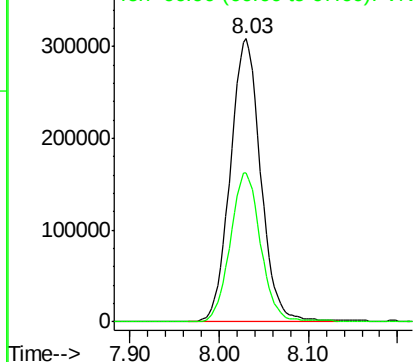


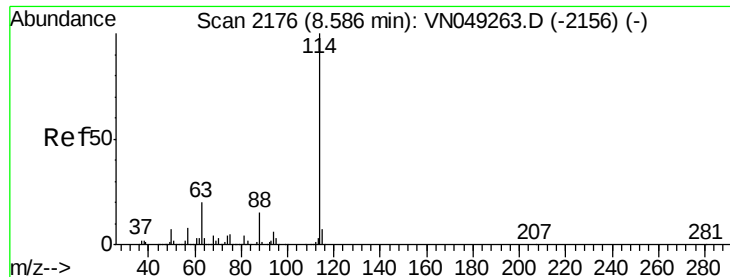
#33
1,2-Dichloroethane-d4
Concen: 48.50 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

Tgt Ion: 65 Resp: 730062
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.8



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



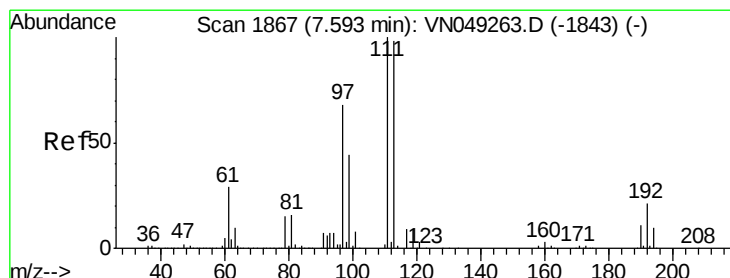
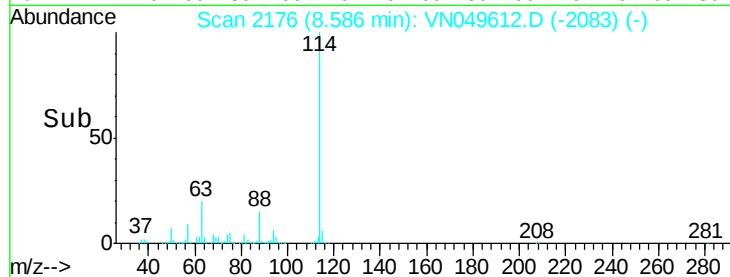
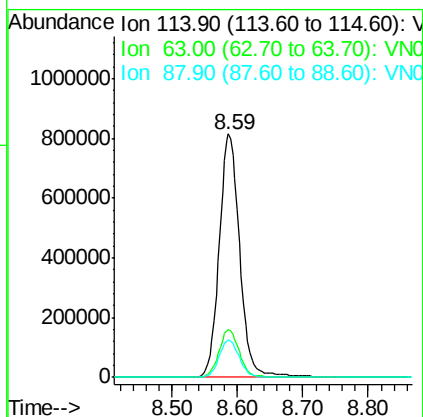
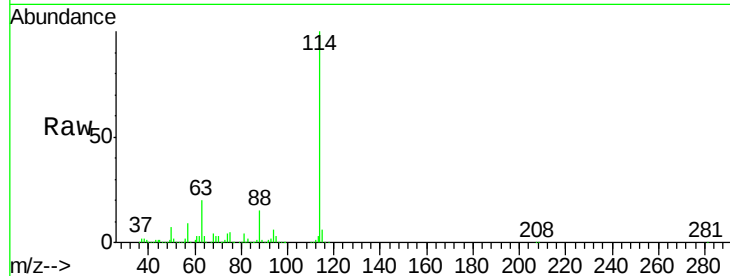


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049612.D
 Acq: 29 Jun 2018 1:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1776953

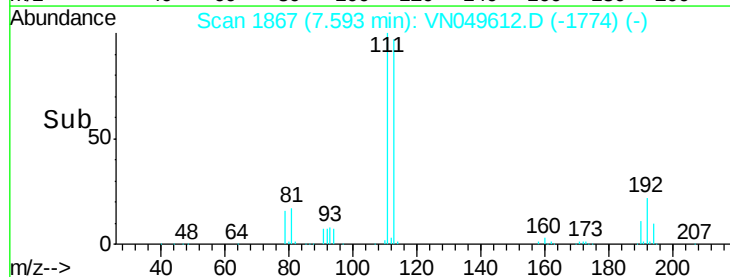
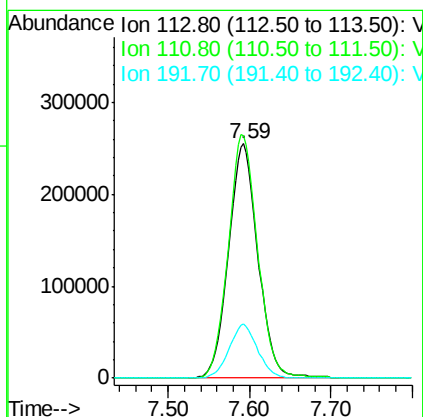
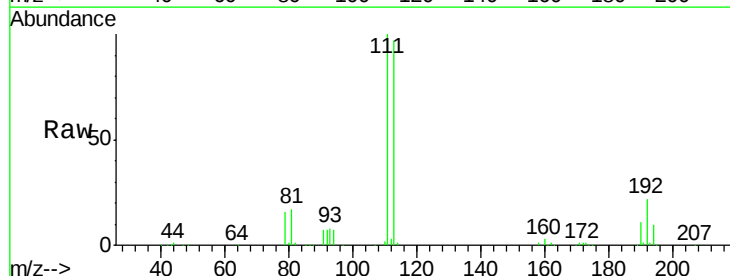
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	44.4
88	15.3	0.0	31.4

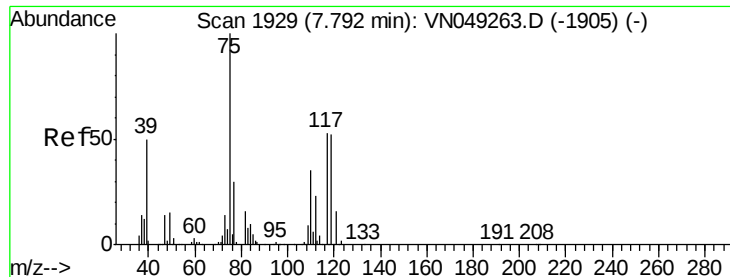


#35
 Dibromofluoromethane
 Concen: 44.73 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049612.D
 Acq: 29 Jun 2018 1:43

Tgt Ion:113 Resp: 643000

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.4	123.6
192	22.1	15.0	22.6





#36

1,1-Dichloropropene

Concen: 3.82 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :
MSVOA_N
ClientSampleId :

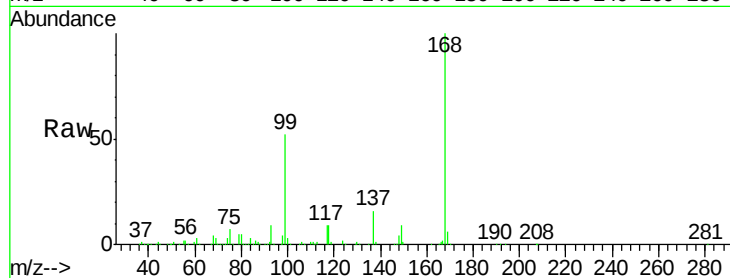
Tot Ion: 75 Resp: 77856

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

77 0.2 24.4 36.6#

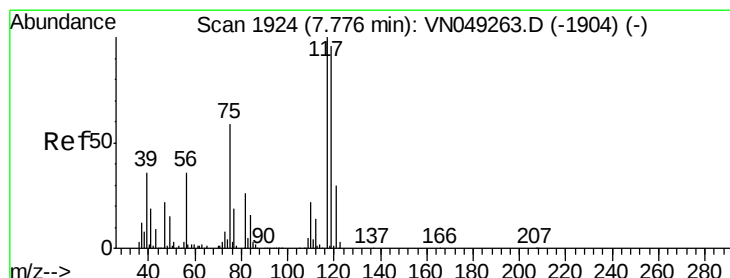
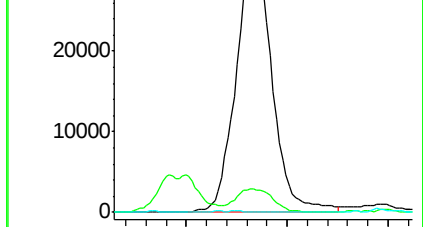
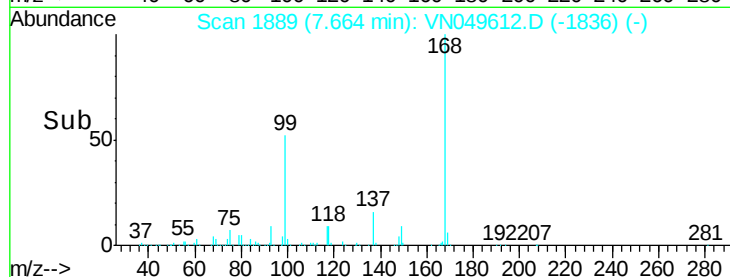


Abundance Ion 74.90 (74.60 to 75.60): VN049612.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049612.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049612.D (-1836) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.85 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

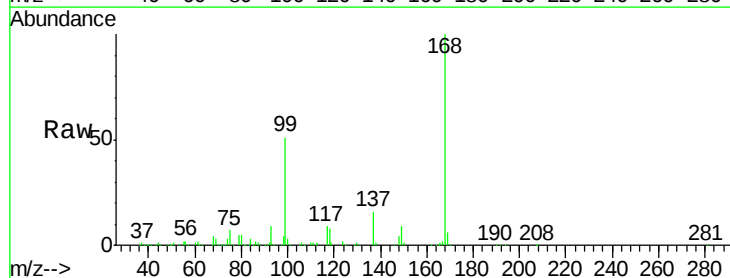
Tgt Ion: 117 Resp: 102359

Ion Ratio Lower Upper

117 100

119 6.3 75.6 113.4#

121 0.0 24.7 37.1#

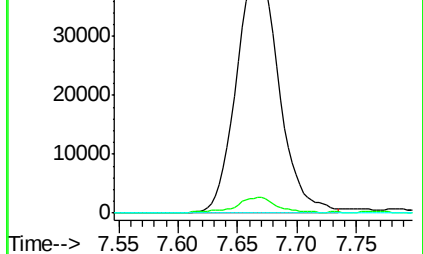
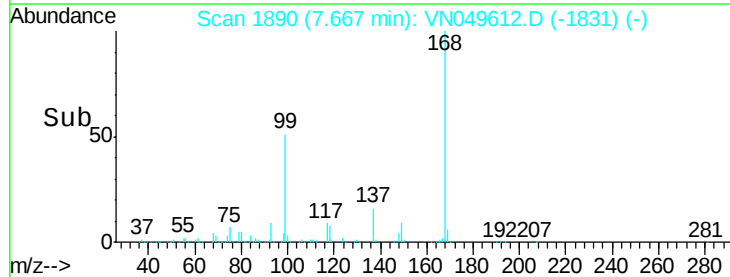


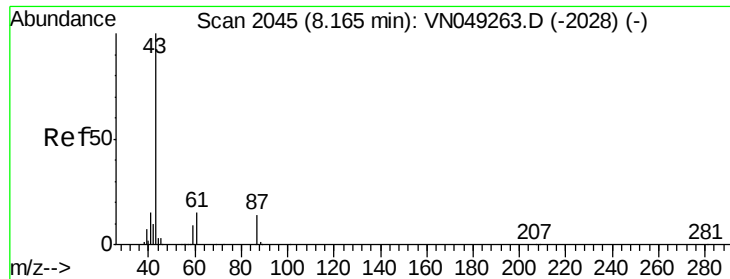
Abundance Ion 116.80 (116.50 to 117.50): VN049612.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049612.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049612.D (-1831) (-)

Time-->





#43

Isopropyl Acetate

Concen: 23.19 ug/l

RT: 8.34 min Scan# 2100

Delta R.T. 0.18 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

ClientSampleId :

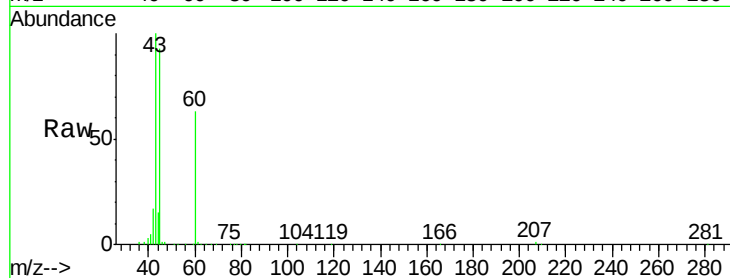
Tot Ion: 43 Resp: 490545

Ion Ratio Lower Upper

43 100

61 0.1 14.2 21.4#

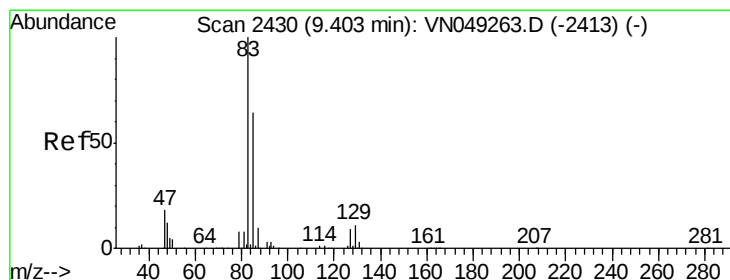
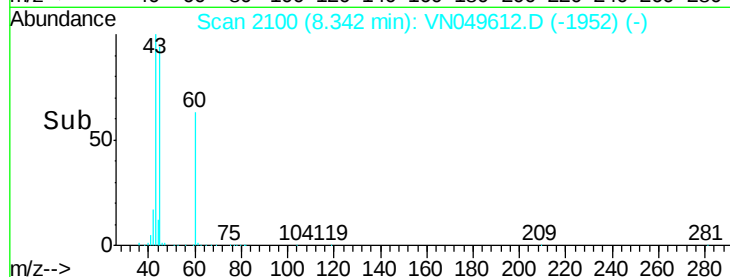
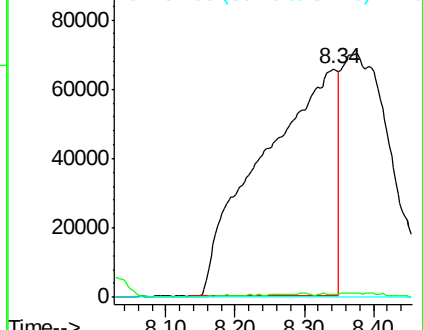
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049612.D (-2100) (-)

Ion 61.00 (60.70 to 61.70): VN049612.D (-2100) (-)

Ion 87.00 (86.70 to 87.70): VN049612.D (-2100) (-)



#47

Bromodichloromethane

Concen: 0.29 ug/l

RT: 9.41 min Scan# 2432

Delta R.T. 0.01 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

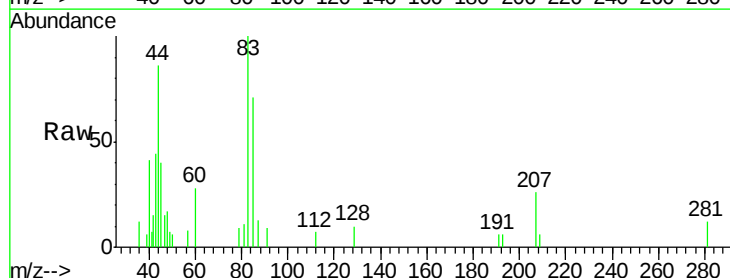
Tgt Ion: 83 Resp: 6130

Ion Ratio Lower Upper

83 100

85 71.3 49.4 74.0

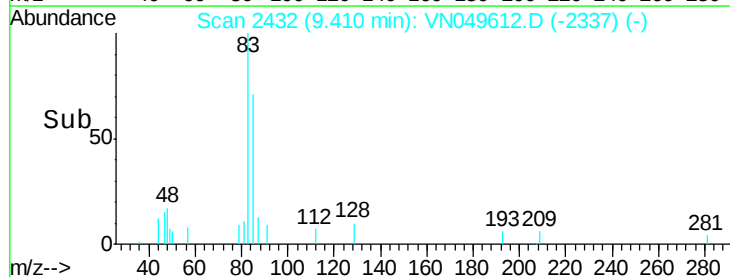
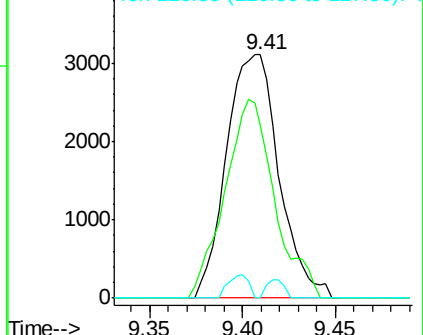
127 0.0 6.3 9.5#

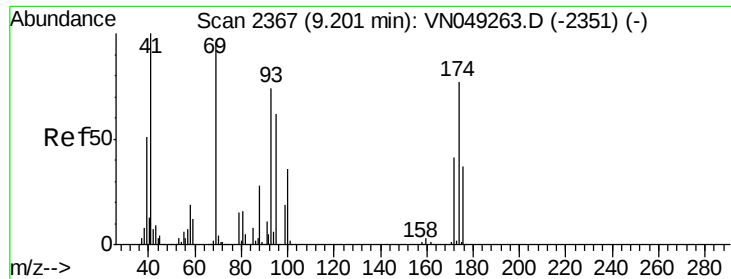


Abundance Ion 82.90 (82.60 to 83.60): VN049612.D (-2432) (-)

Ion 84.90 (84.60 to 85.60): VN049612.D (-2432) (-)

Ion 126.80 (126.50 to 127.50): VN049612.D (-2432) (-)

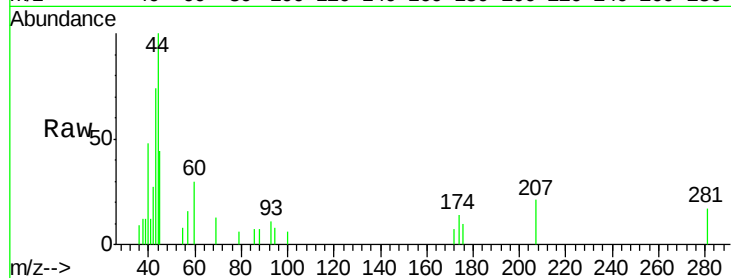




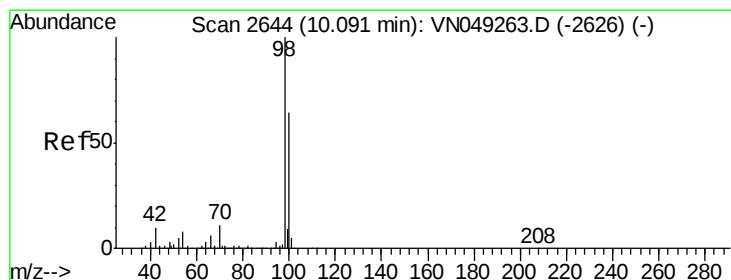
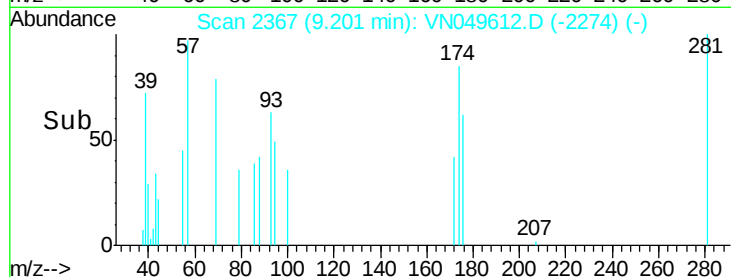
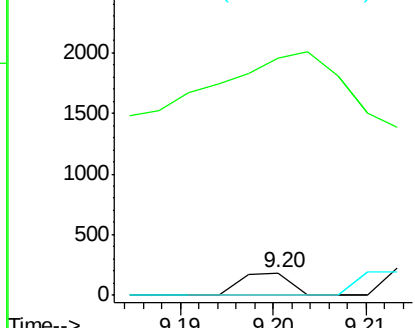
#49
1,4-Dioxane
Concen: 0.49 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 801.5 30.9 46.3#
58 0.0 58.9 88.3#

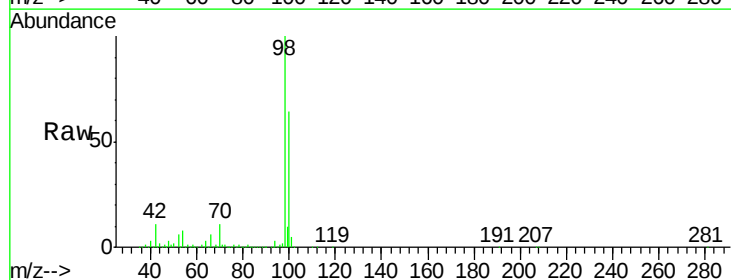


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

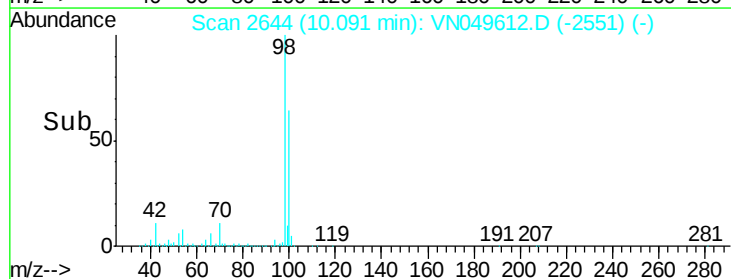
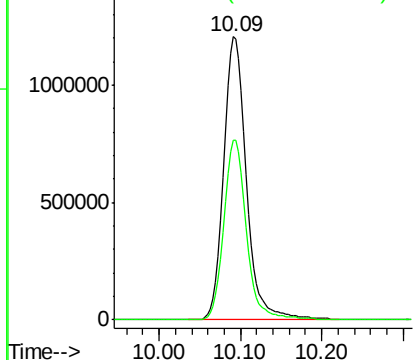


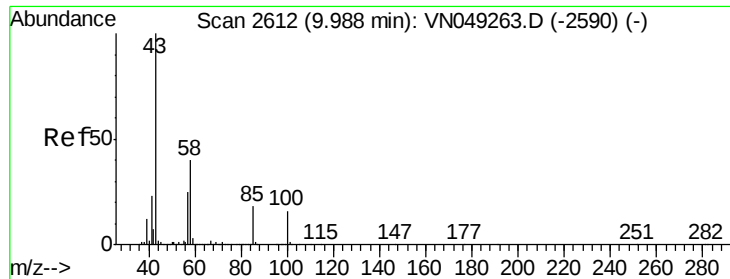
#50
Toluene-d8
Concen: 43.69 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

Tgt Ion: 98 Resp: 2391742
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): VN0

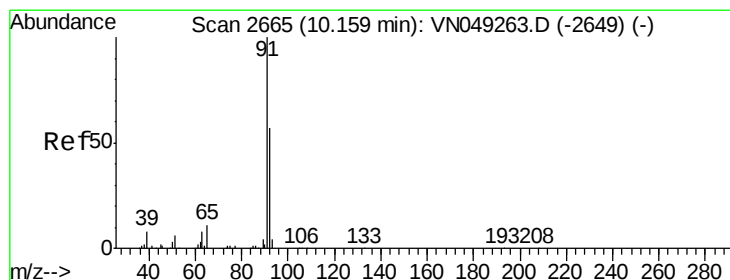
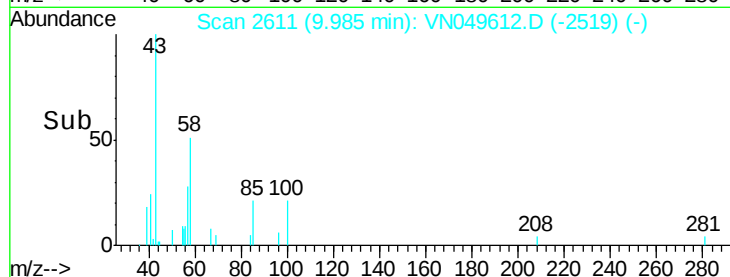
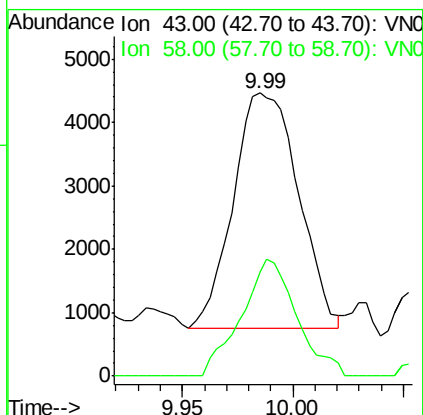
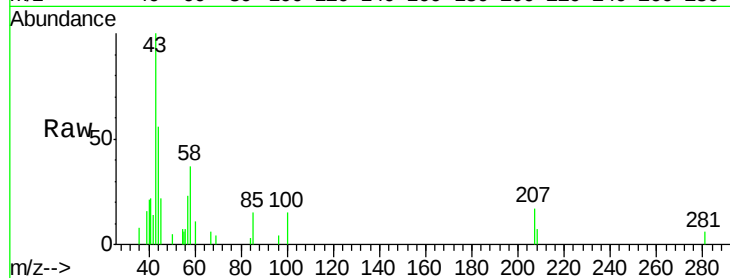




#51
 4-Methyl-2-Pentanone
 Concen: 0.68 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049612.D
 Acq: 29 Jun 2018 1:43

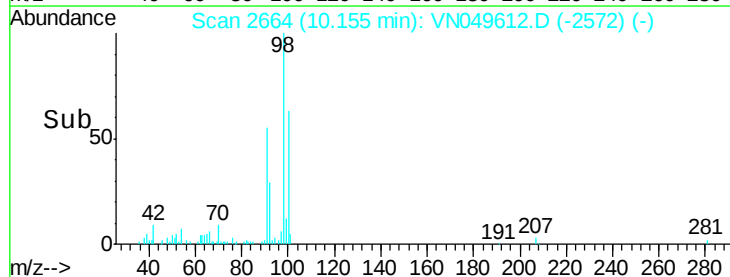
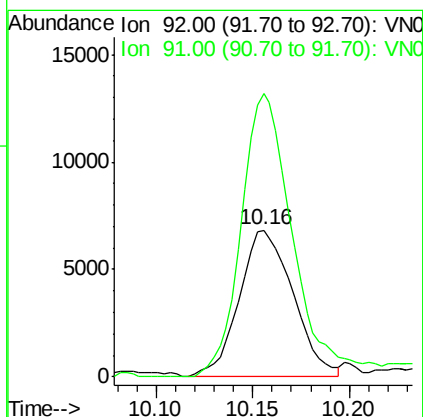
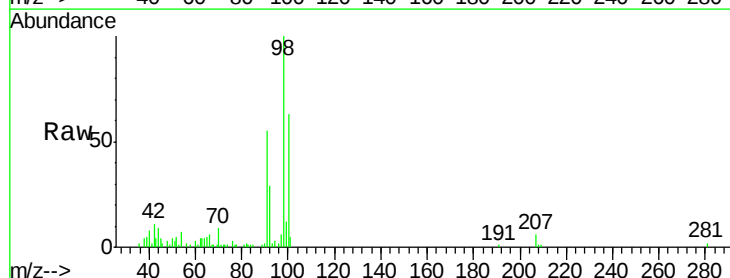
Instrument :
 MSVOA_N
 ClientSampled :

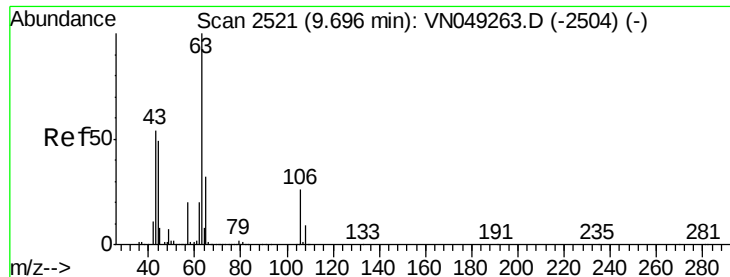
Tot Ion: 43 Resp: 7575
 Ion Ratio Lower Upper
 43 100
 58 42.4 29.0 43.6



#52
 Toluene
 Concen: 0.36 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049612.D
 Acq: 29 Jun 2018 1:43

Tgt Ion: 92 Resp: 13223
 Ion Ratio Lower Upper
 92 100
 91 186.1 143.4 215.2





#58

2-Chloroethyl Vinyl ether

Concen: 14.40 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

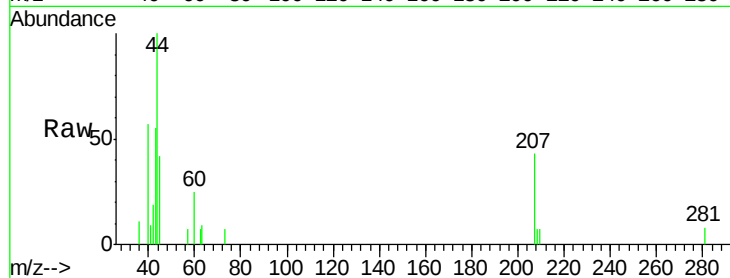
ClientSampleId :

Tot Ion: 63 Resp: 425

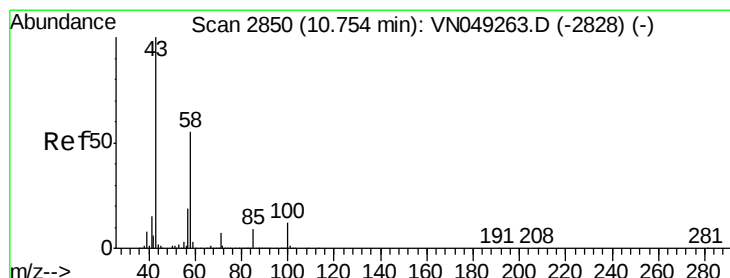
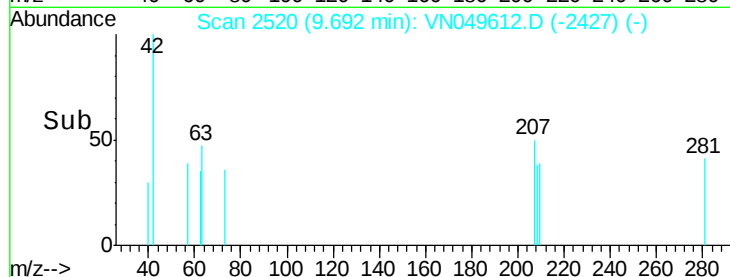
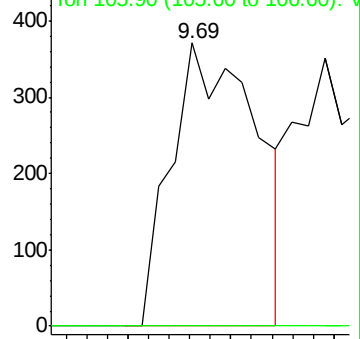
Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049612.D (-2427) (-)



#59

2-Hexanone

Concen: 0.53 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049612.D

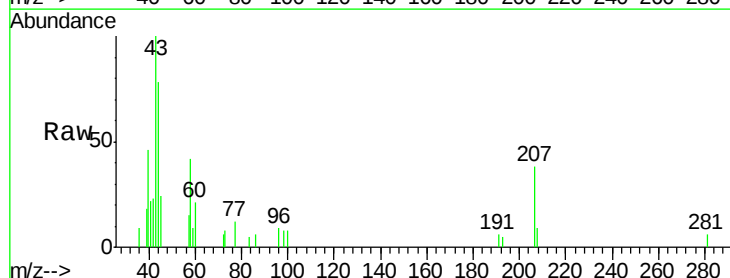
Acq: 29 Jun 2018 1:43

Tgt Ion: 43 Resp: 3808

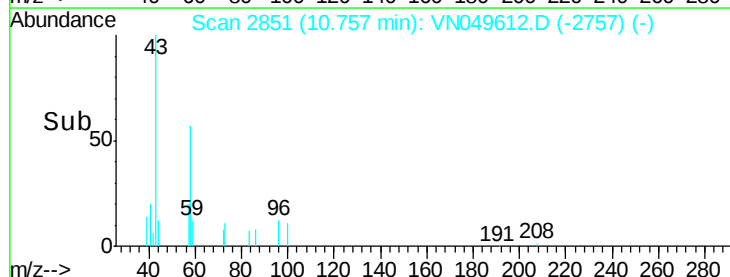
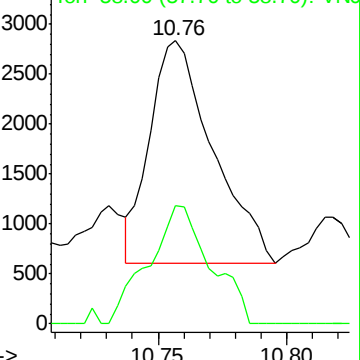
Ion Ratio Lower Upper

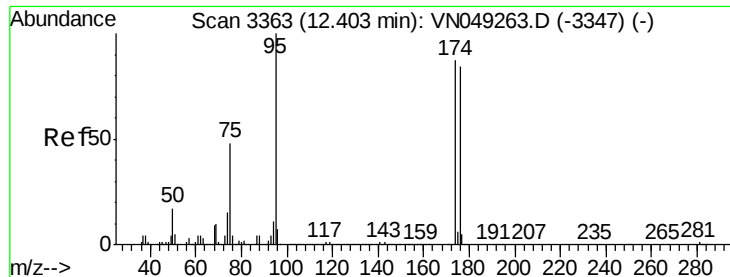
43 100

58 52.1 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN049612.D (-2757) (-)





#62

4-Bromofluorobenzene

Concen: 38.77 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

ClientSampled :

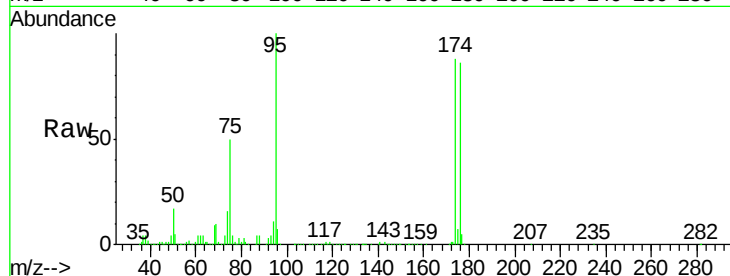
Tot Ion: 95 Resp: 701775

Ion Ratio Lower Upper

95 100

174 91.0 0.0 165.6

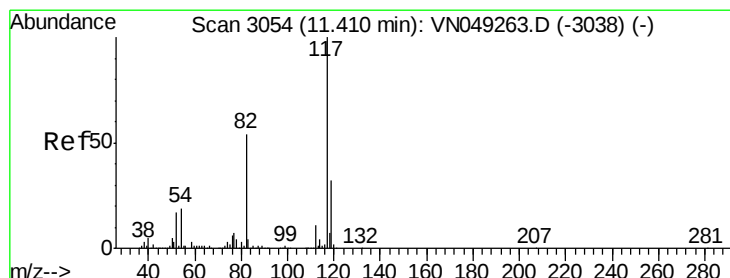
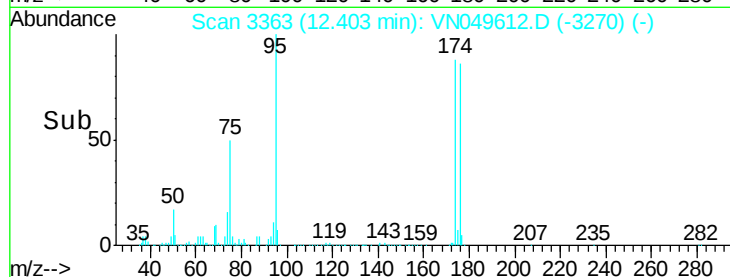
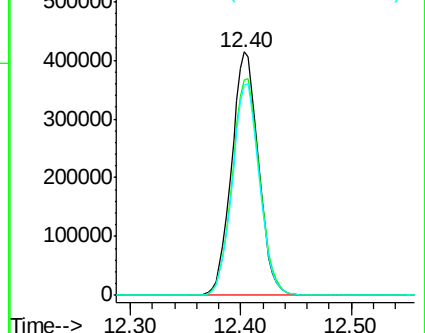
176 87.3 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049612.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049612.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049612.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

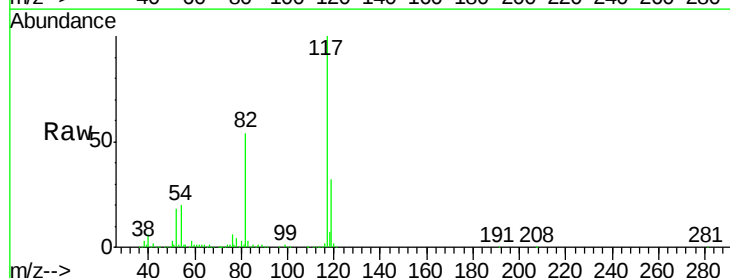
Tgt Ion: 117 Resp: 1479345

Ion Ratio Lower Upper

117 100

82 53.9 45.9 68.9

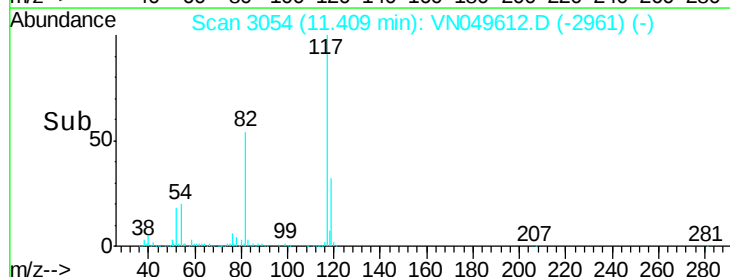
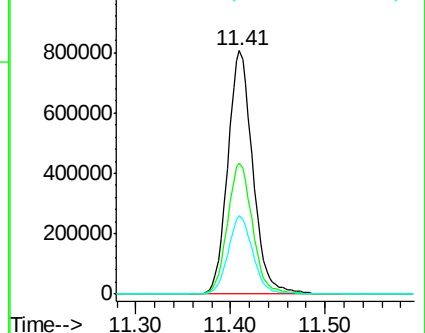
119 32.1 25.5 38.3

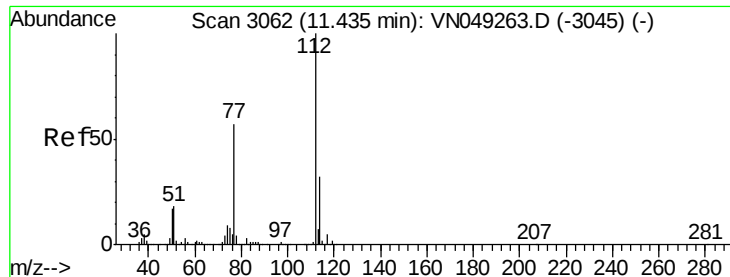


Abundance Ion 116.90 (116.60 to 117.60): VN049612.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049612.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049612.D (-2961) (-)





#65

Chlorobenzene

Concen: 0.36 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

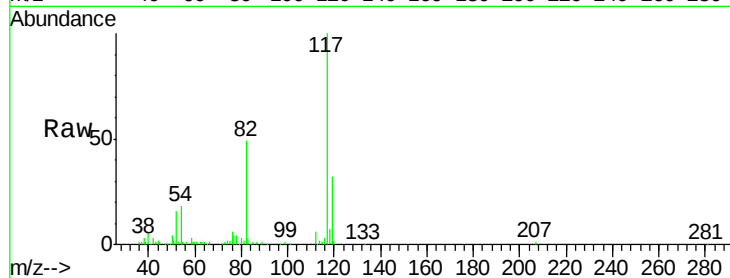
ClientSampled :

Tot Ion:112 Resp: 13670

Ion Ratio Lower Upper

112 100

114 36.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

8000

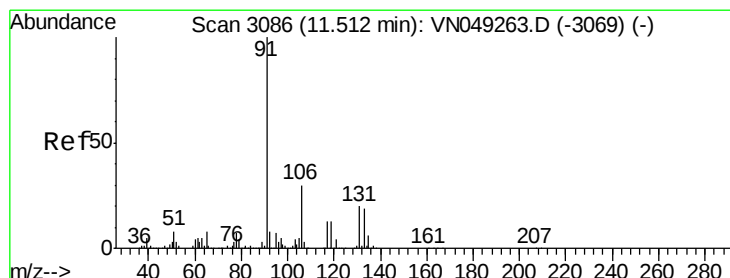
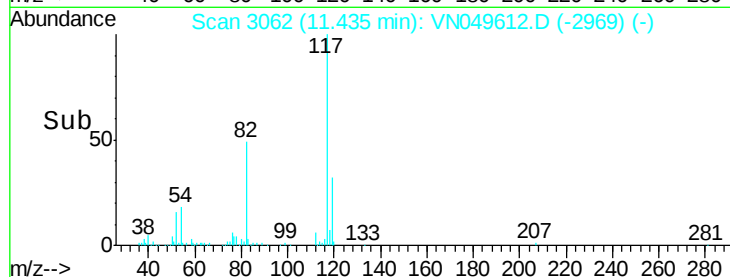
6000

4000

2000

0

Time--> 11.35 11.40 11.45 11.50



#67

Ethyl Benzene

Concen: 0.23 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049612.D

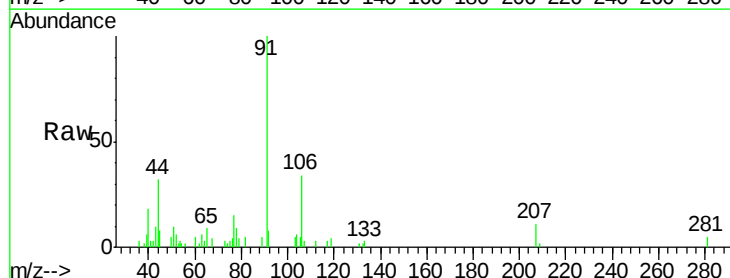
Acq: 29 Jun 2018 1:43

Tgt Ion: 91 Resp: 14537

Ion Ratio Lower Upper

91 100

106 33.9 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

8000

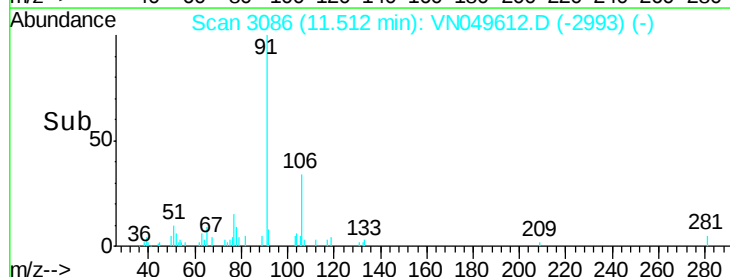
6000

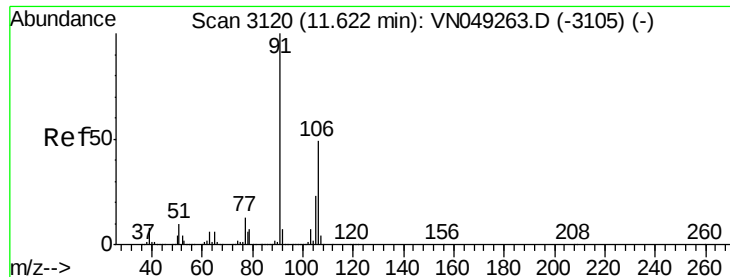
4000

2000

0

Time--> 11.45 11.50 11.55

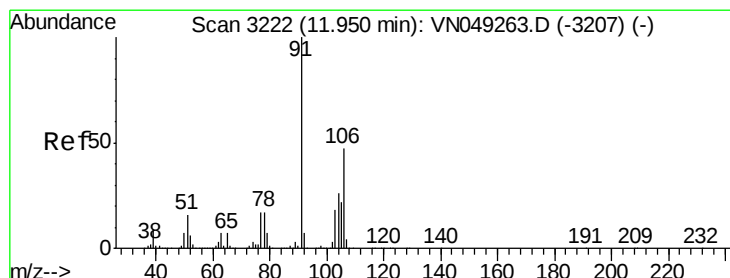
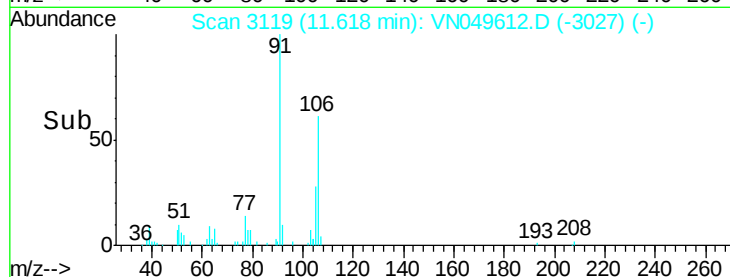
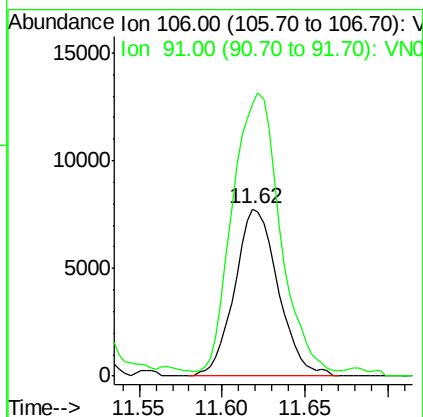
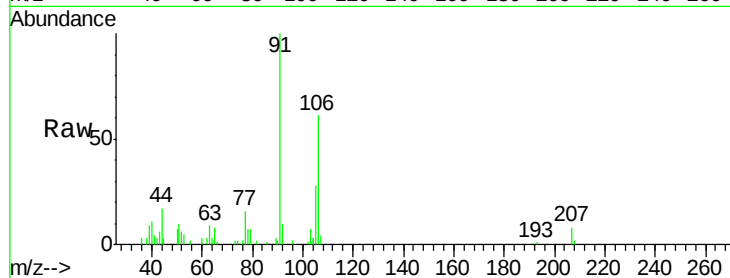




#68
m/p-Xylenes
Concen: 0.60 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

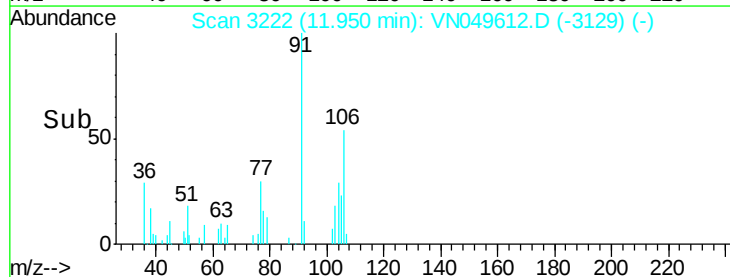
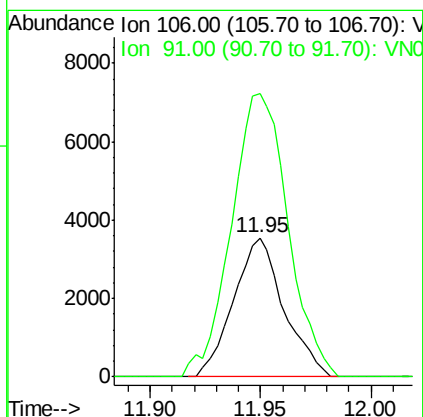
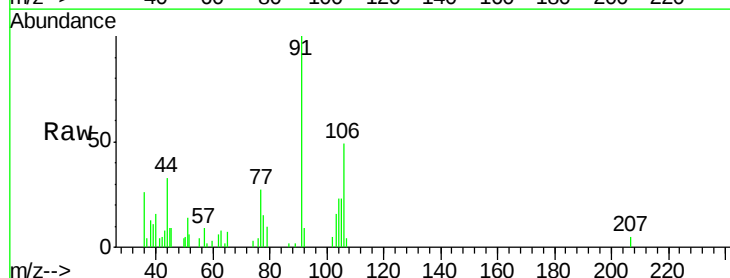
Instrument :
MSVOA_N
ClientSampled :

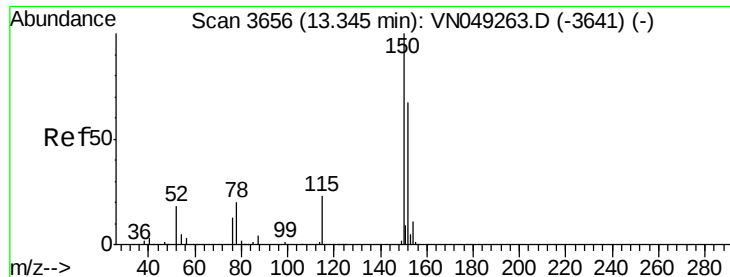
Tot Ion:106 Resp: 14155
Ion Ratio Lower Upper
106 100
91 183.5 167.3 250.9



#69
o-Xylene
Concen: 0.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

Tgt Ion:106 Resp: 5626
Ion Ratio Lower Upper
106 100
91 228.5 111.0 333.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

ClientSampleId :

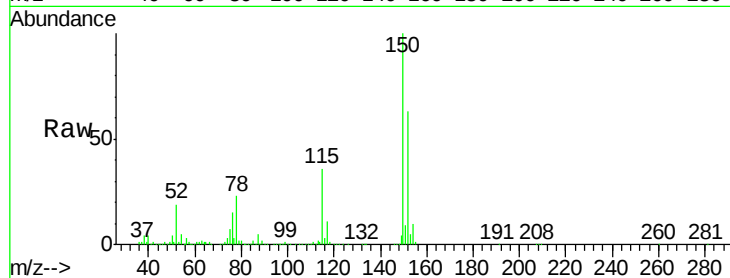
Tot Ion:152 Resp: 600942

Ion Ratio Lower Upper

152 100

115 57.0 28.7 86.1

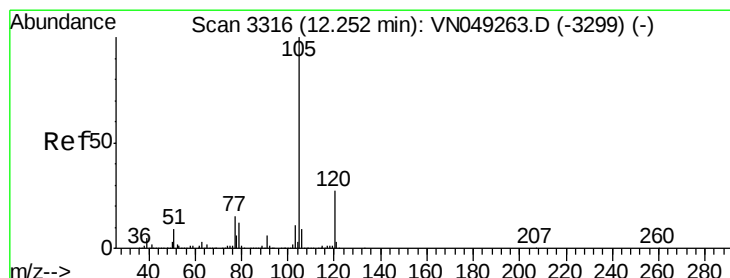
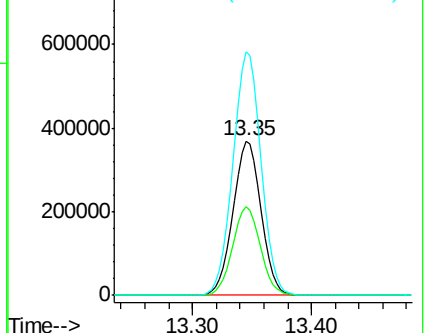
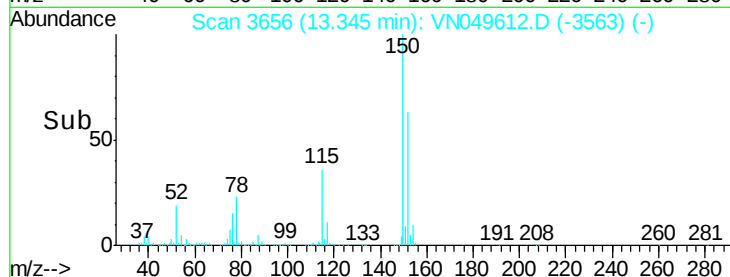
150 158.3 0.0 351.0



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: 0.23 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049612.D

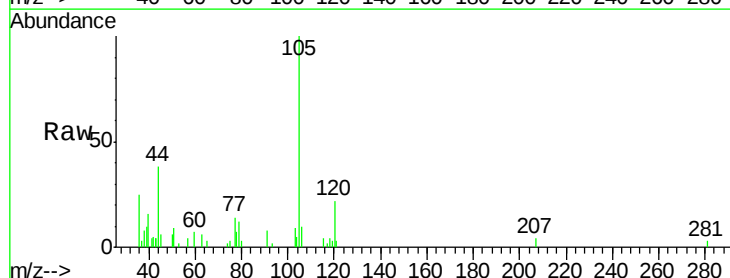
Acq: 29 Jun 2018 1:43

Tgt Ion:105 Resp: 11990

Ion Ratio Lower Upper

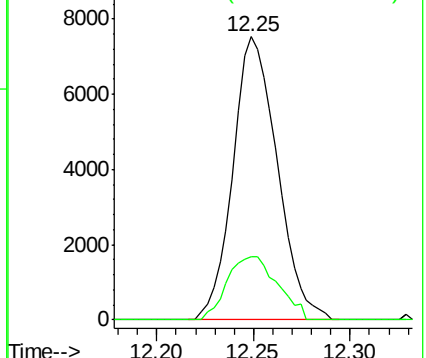
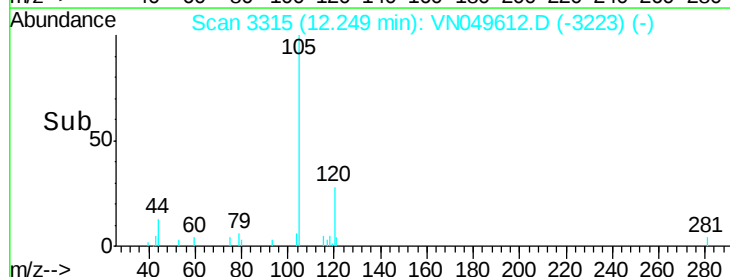
105 100

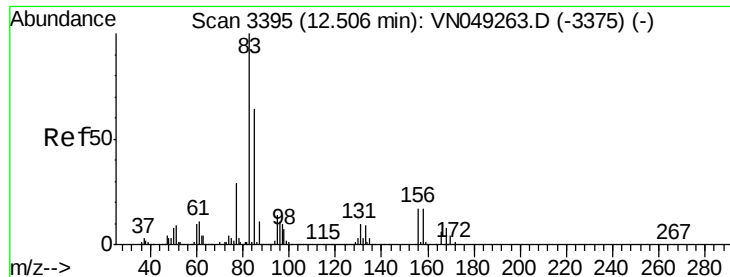
120 25.4 12.8 38.3



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# 3396

Delta R.T. 0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

ClientSampleId :

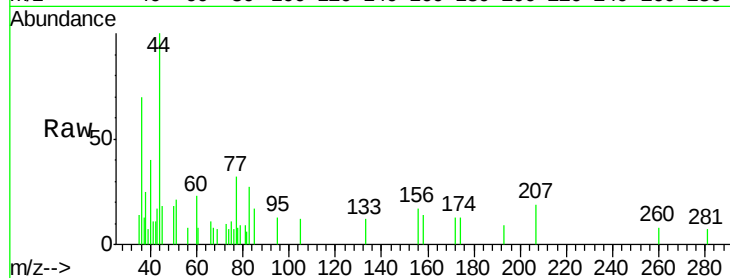
Tot Ion: 83 Resp: 961

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 66.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO

12.51

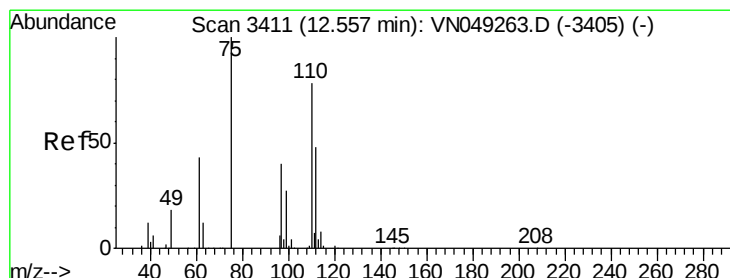
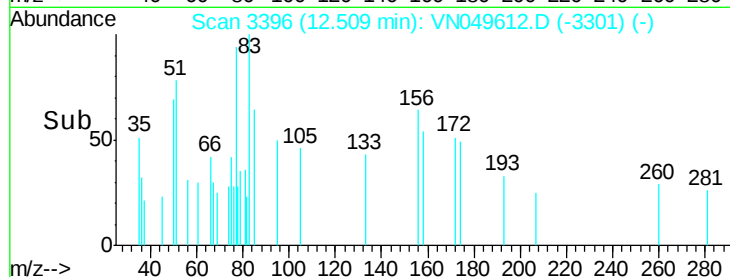
600

400

200

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 33.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049612.D

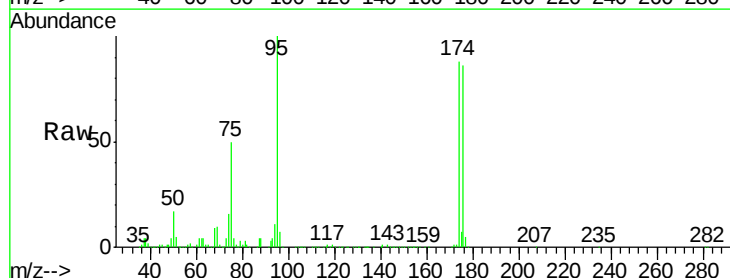
Acq: 29 Jun 2018 1:43

Tgt Ion: 75 Resp: 347143

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

12.40

200000

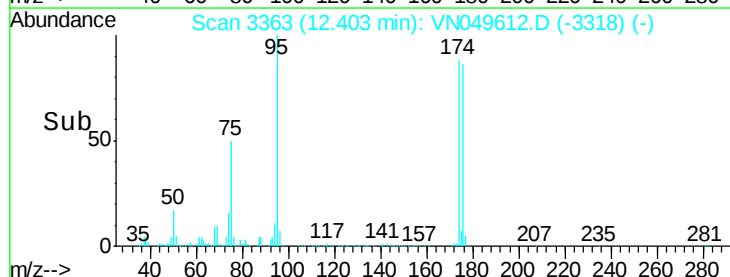
150000

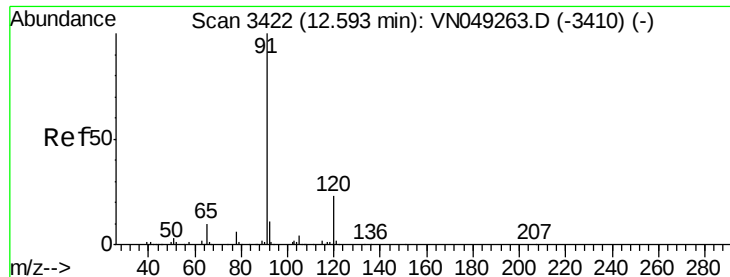
100000

50000

0

Time-->





#78

n-propylbenzene

Concen: 0.54 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

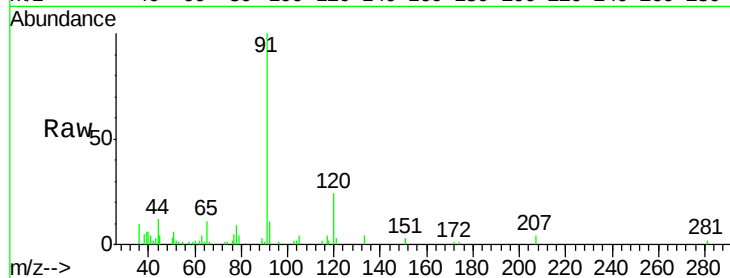
ClientSampleId :

Tot Ion: 91 Resp: 31295

Ion Ratio Lower Upper

91 100

120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

20000

15000

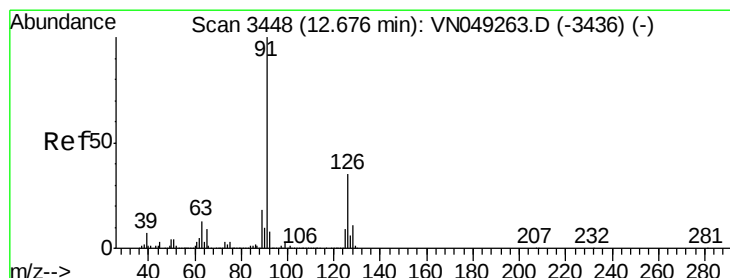
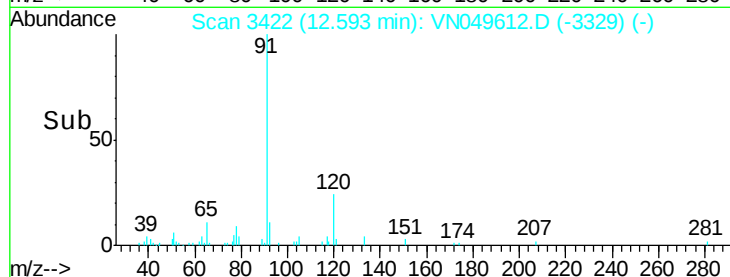
10000

5000

0

Time-->

12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 0.22 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049612.D

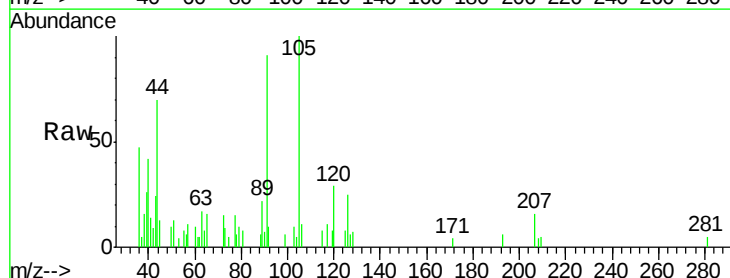
Acq: 29 Jun 2018 1:43

Tgt Ion: 91 Resp: 8033

Ion Ratio Lower Upper

91 100

126 18.3 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.68

20000

15000

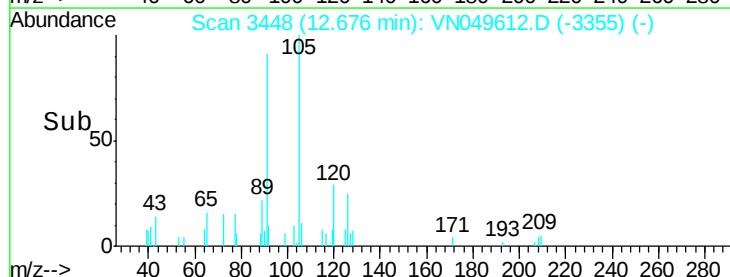
10000

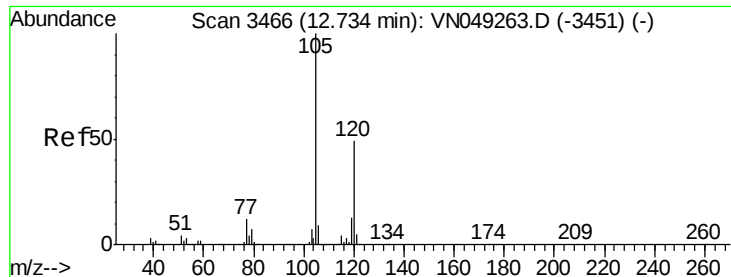
5000

0

Time-->

12.60 12.65 12.70





#80

1,3,5-Trimethylbenzene

Concen: 0.36 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

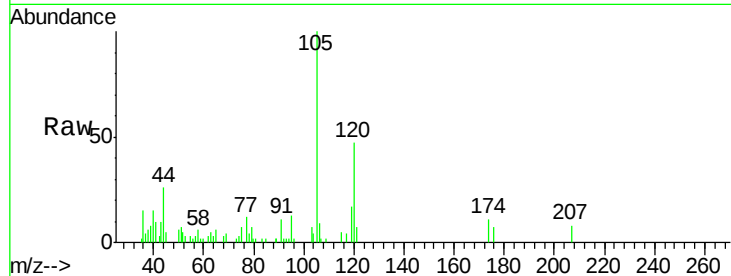
ClientSampled :

Tot Ion:105 Resp: 15089

Ion Ratio Lower Upper

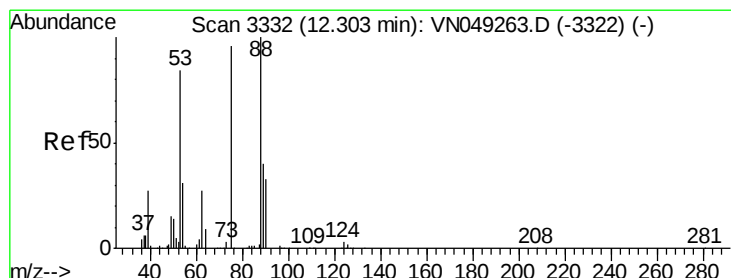
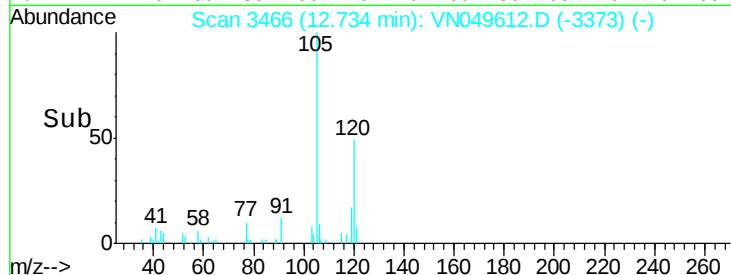
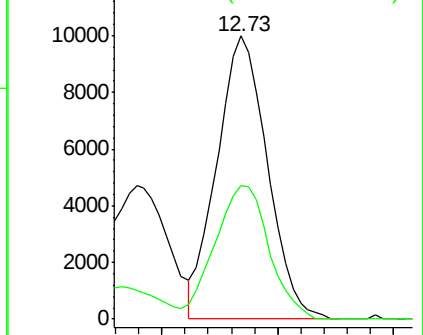
105 100

120 50.6 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: 107.00 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

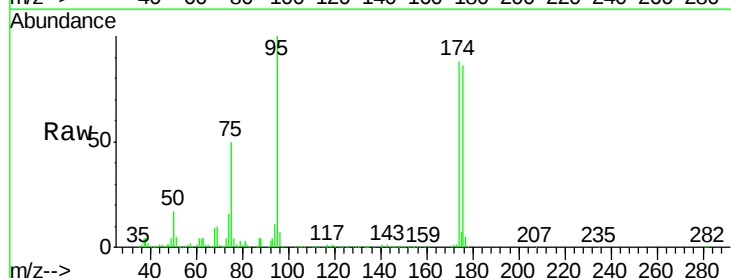
Tgt Ion: 75 Resp: 347143

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

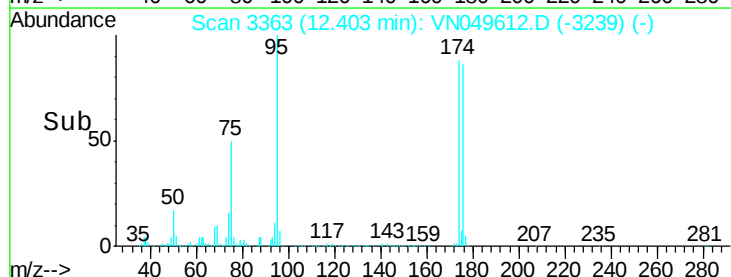
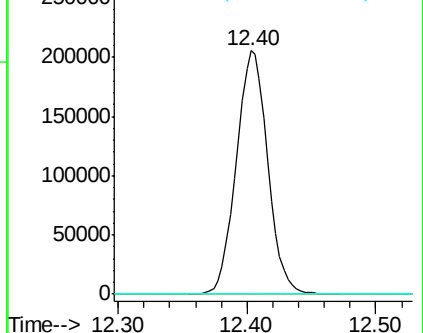
89 0.0 36.5 54.7#

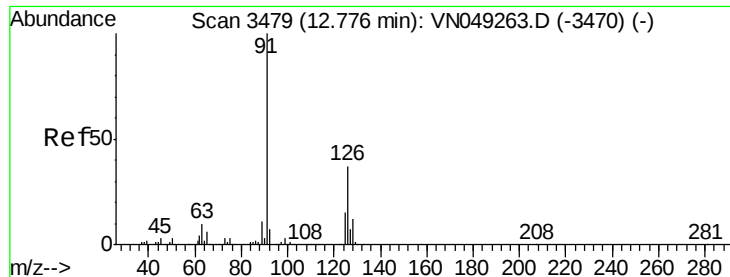


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.23 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

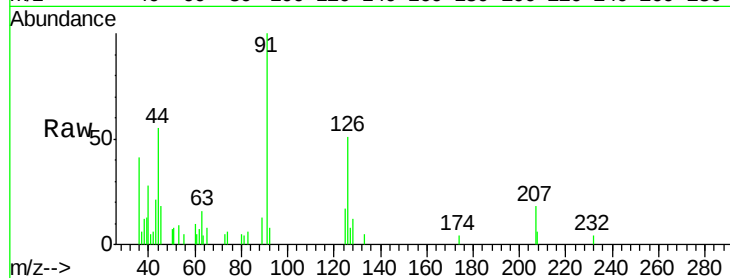
ClientSampled :

Tot Ion: 91 Resp: 7980

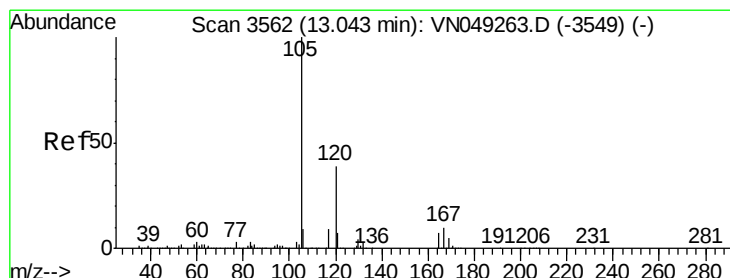
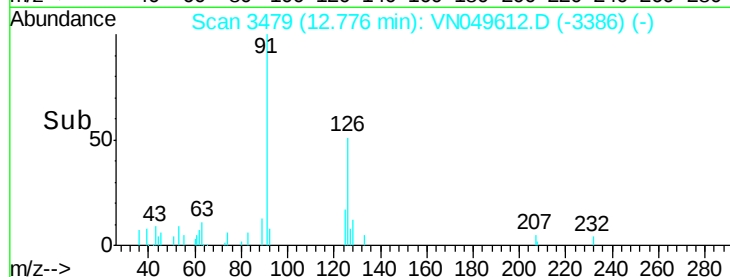
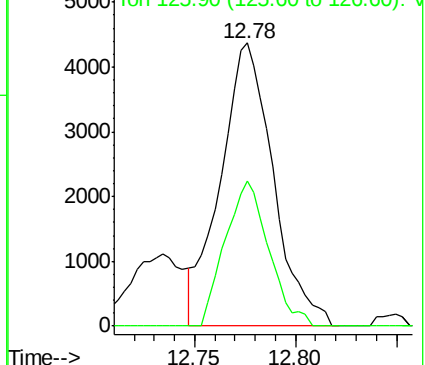
Ion Ratio Lower Upper

91 100

126 42.3 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN049612.D (-3470) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.05 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN049612.D

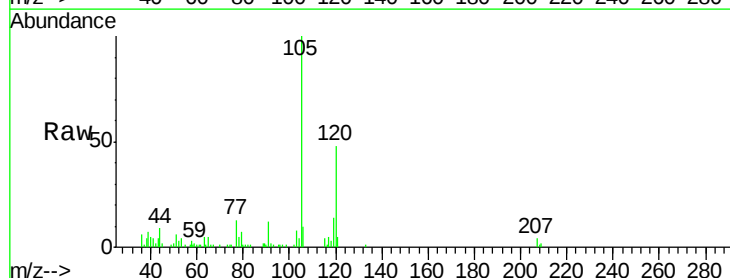
Acq: 29 Jun 2018 1:43

Tgt Ion: 105 Resp: 43212

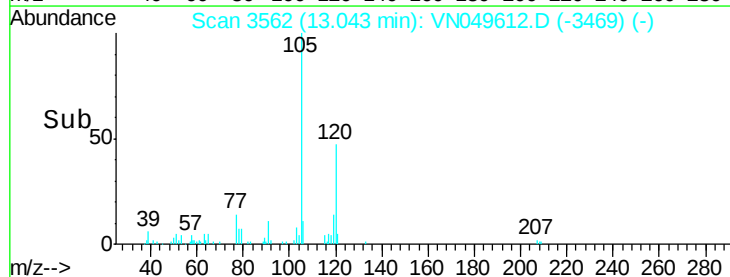
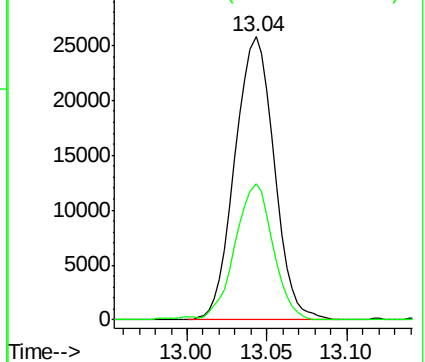
Ion Ratio Lower Upper

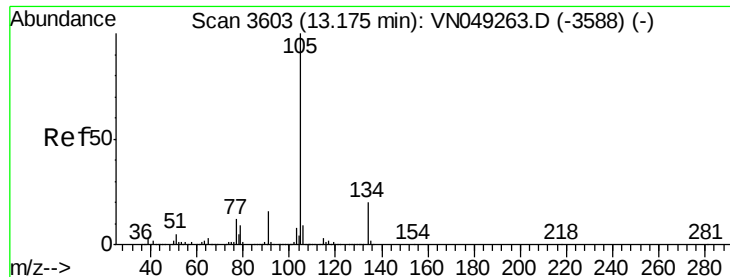
105 100

120 46.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049612.D (-3549) (-)





#85

sec-Butylbenzene

Concen: 0.35 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

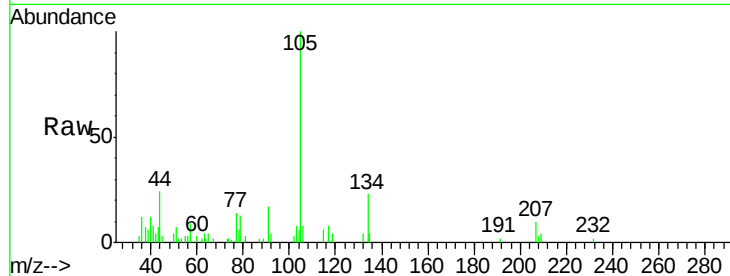
ClientSampleId :

Tot Ion:105 Resp: 17250

Ion Ratio Lower Upper

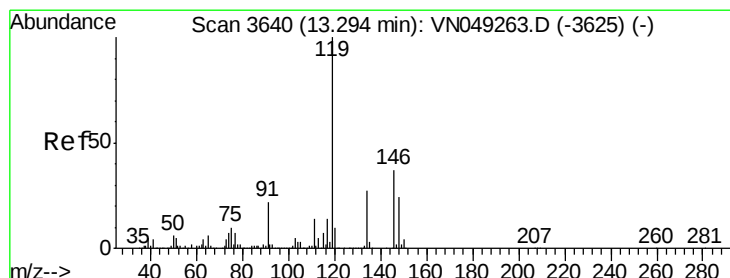
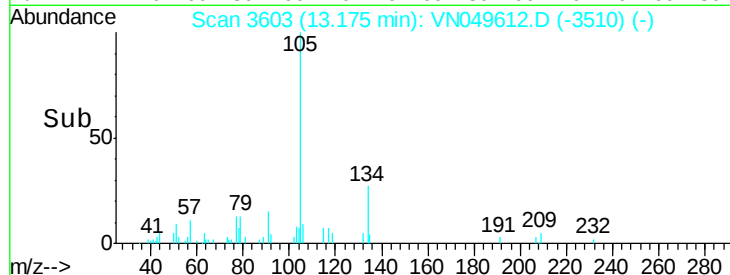
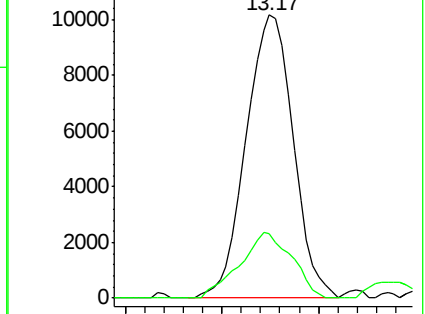
105 100

134 25.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.20 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

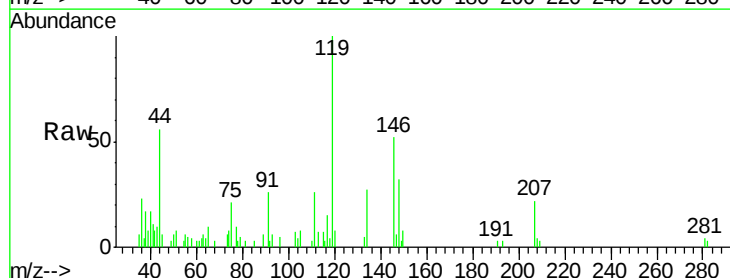
Tgt Ion:119 Resp: 8191

Ion Ratio Lower Upper

119 100

134 27.3 12.9 38.6

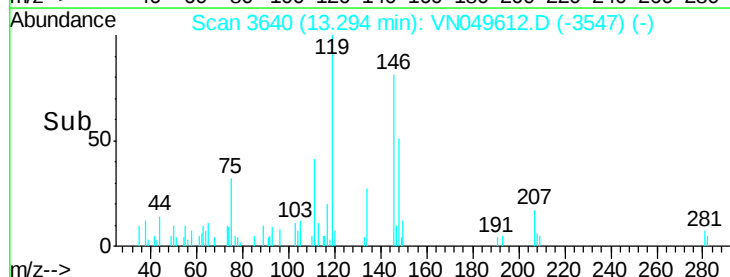
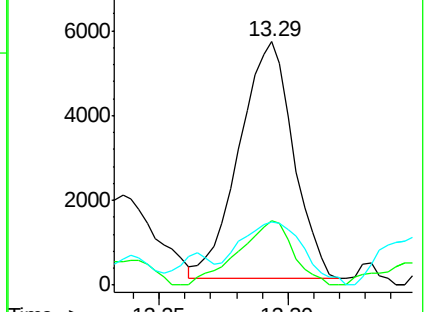
91 32.0 12.1 36.3

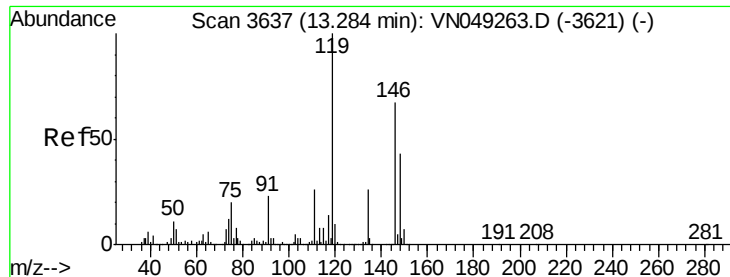


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

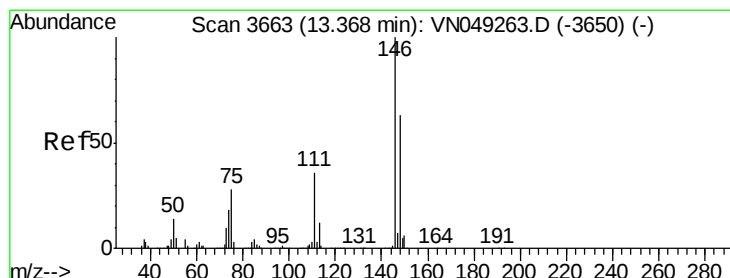
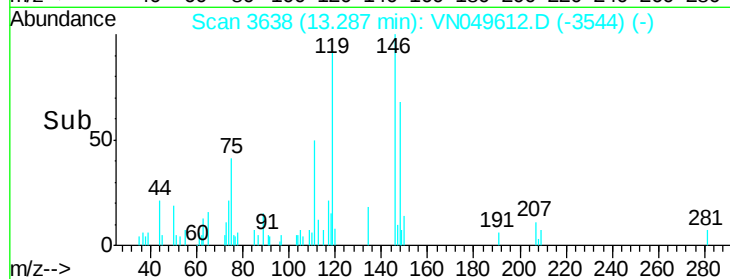
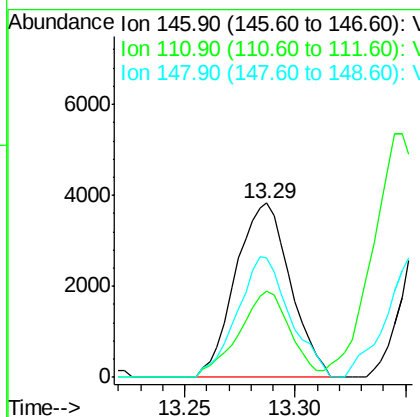
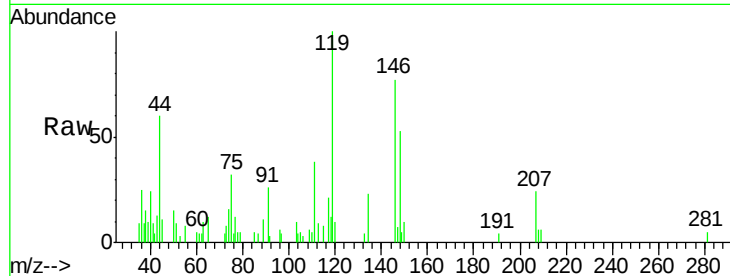




#87
 1,3-Dichlorobenzene
 Concen: 0.29 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049612.D
 Acq: 29 Jun 2018 1:43

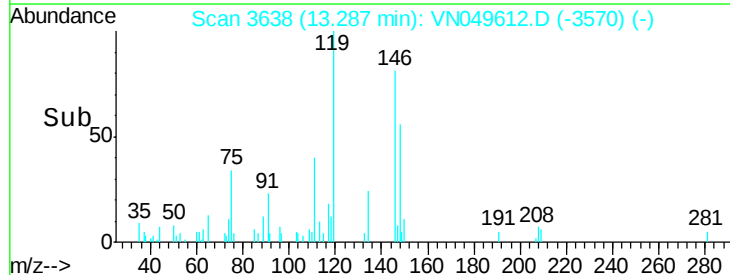
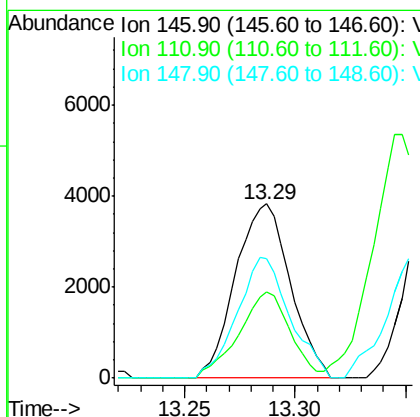
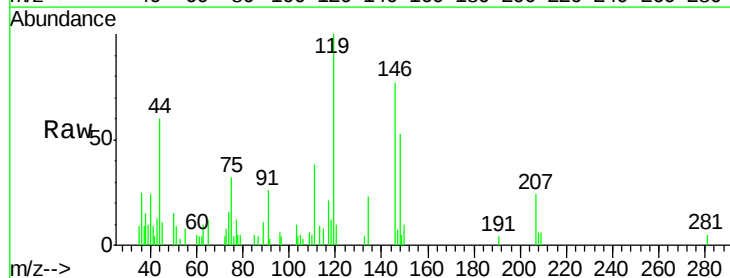
Instrument :
 MSVOA_N
 ClientSampleId :

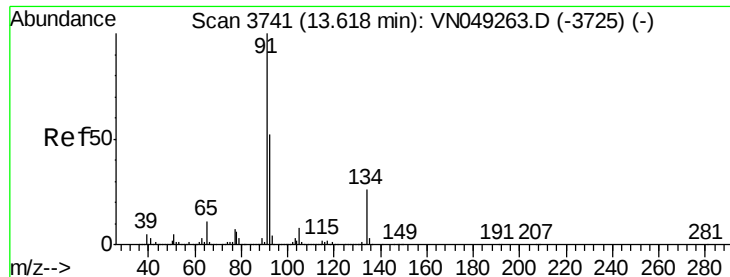
Tot Ion:146 Resp: 6610
 Ion Ratio Lower Upper
 146 100
 111 46.0 19.9 59.6
 148 66.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 0.29 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.08 min
 Lab File: VN049612.D
 Acq: 29 Jun 2018 1:43

Tgt Ion:146 Resp: 6610
 Ion Ratio Lower Upper
 146 100
 111 46.0 19.1 57.1
 148 66.2 32.0 96.2

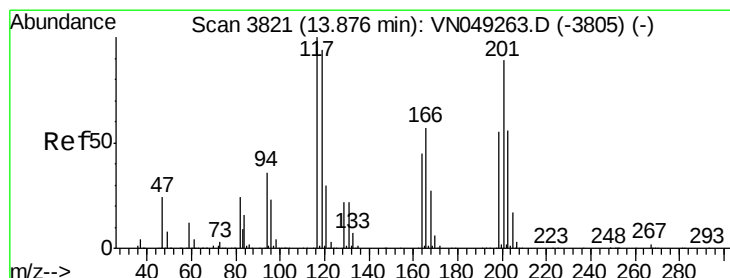
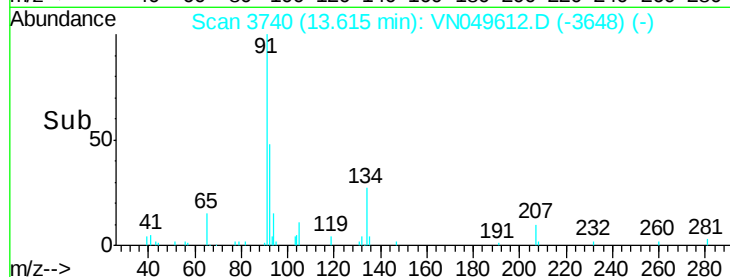
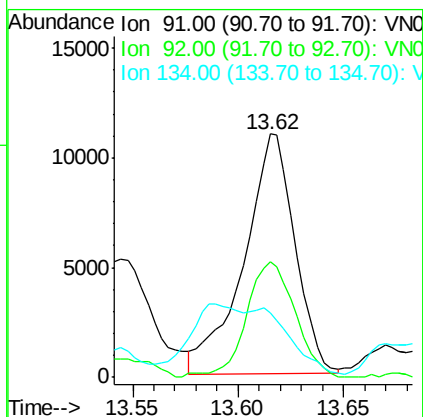
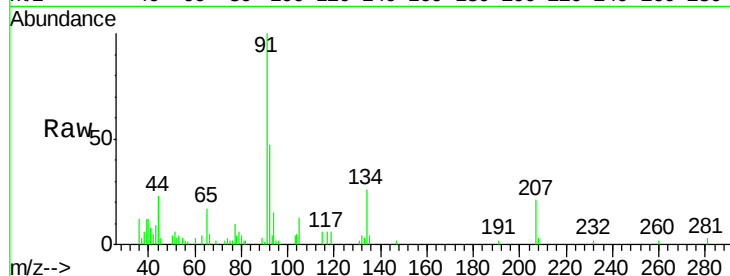




#89
n-Butylbenzene
Concen: 0.58 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

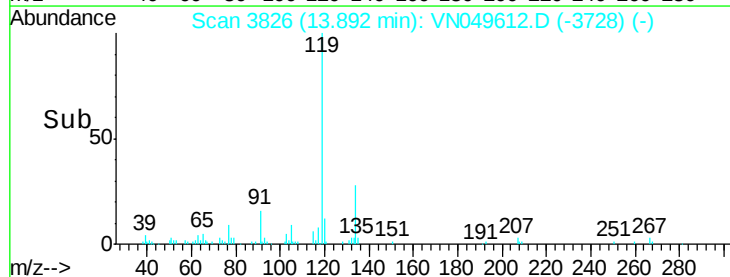
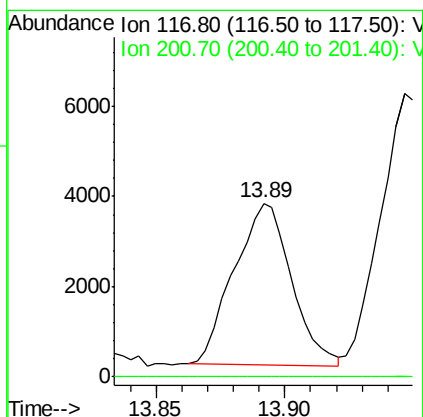
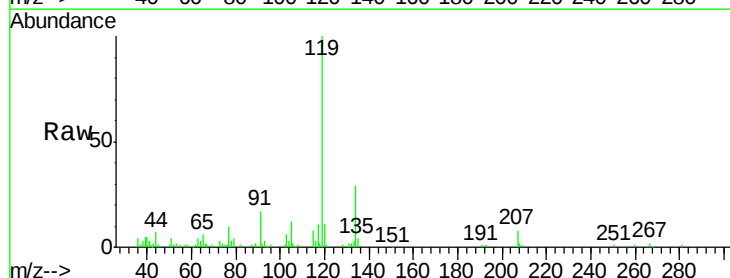
Instrument :
MSVOA_N
ClientSampled :

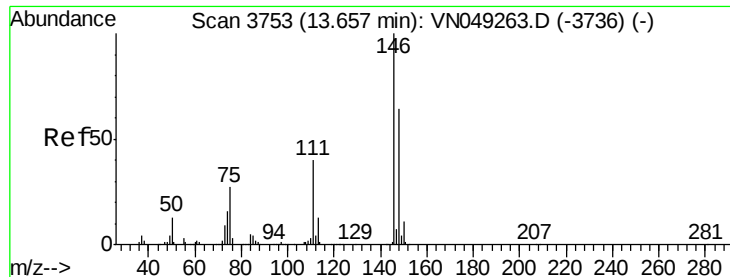
Tot Ion: 91 Resp: 18467
Ion Ratio Lower Upper
91 100
92 45.8 25.1 75.4
134 0.0 12.0 36.0#



#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

Tgt Ion: 117 Resp: 5569
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#





#91

1,2-Dichlorobenzene

Concen: 0.29 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

Instrument :

MSVOA_N

ClientSampled :

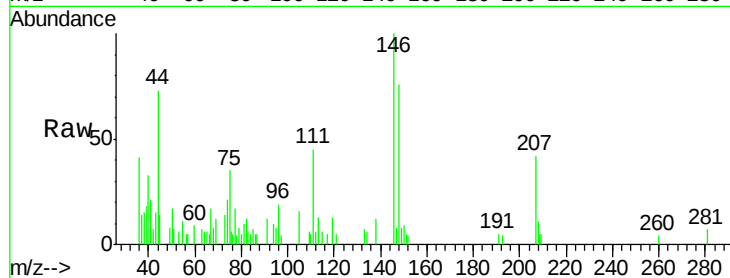
Tot Ion:146 Resp: 6558

Ion Ratio Lower Upper

146 100

111 44.3 20.8 62.2

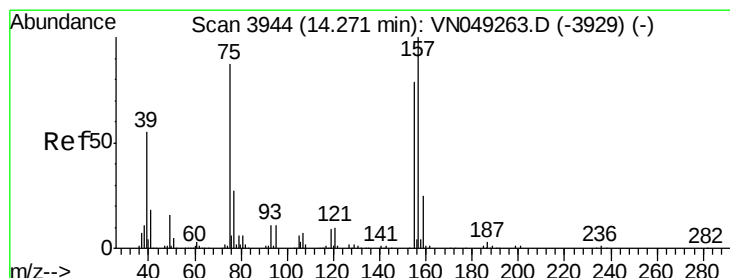
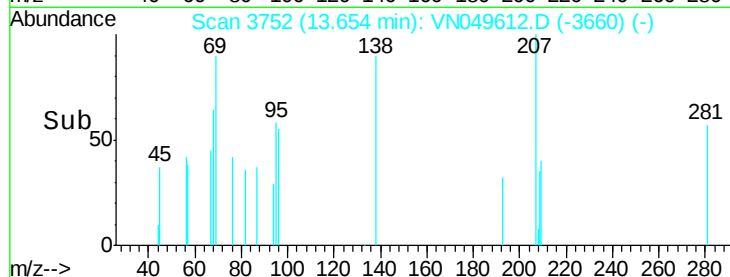
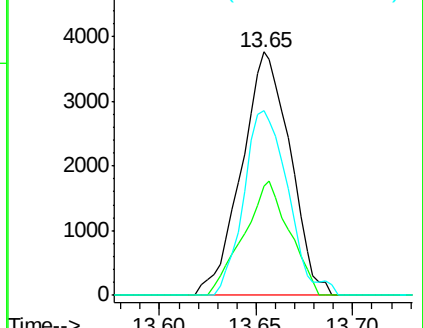
148 69.2 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.39 ug/l

RT: 14.28 min Scan# 3946

Delta R.T. 0.01 min

Lab File: VN049612.D

Acq: 29 Jun 2018 1:43

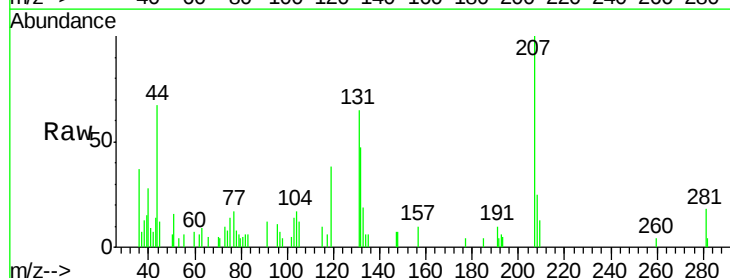
Tgt Ion: 75 Resp: 710

Ion Ratio Lower Upper

75 100

155 31.0 38.8 116.3#

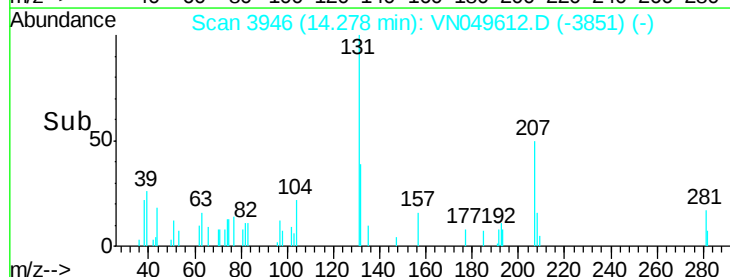
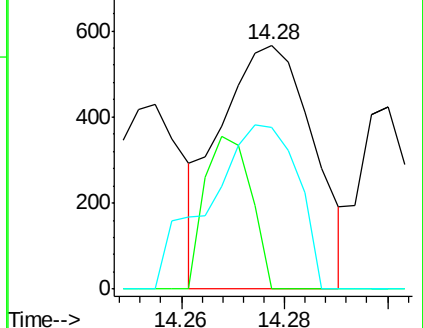
157 64.5 51.0 153.1

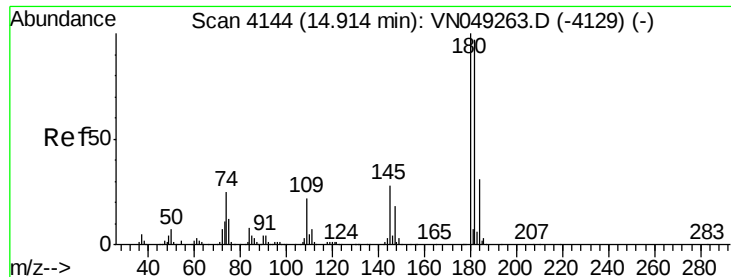


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

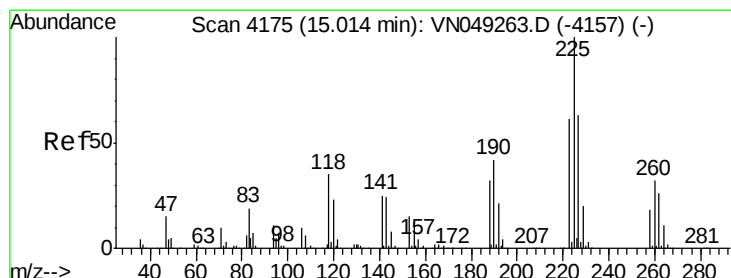
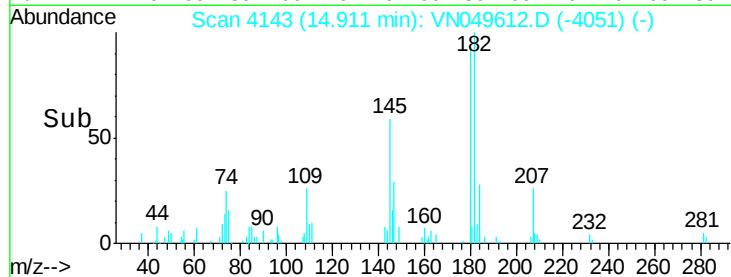
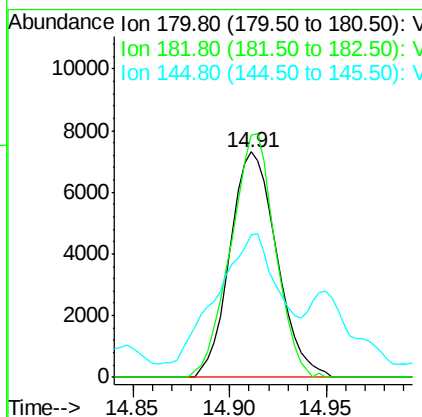
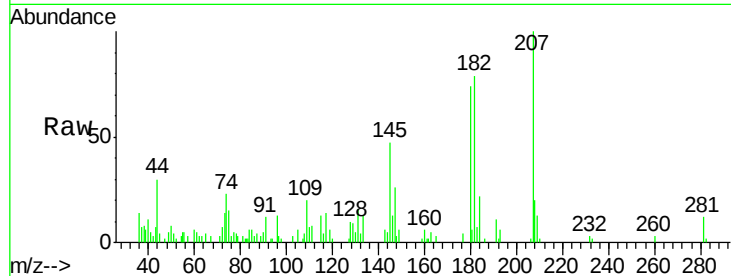




#93
 1,2,4-Trichlorobenzene
 Concen: 5.82 ua/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049612.D
 Acq: 29 Jun 2018 1:43

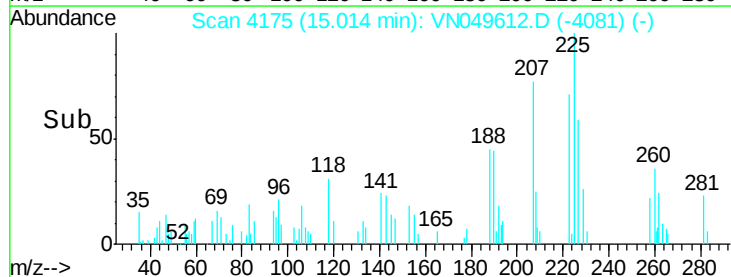
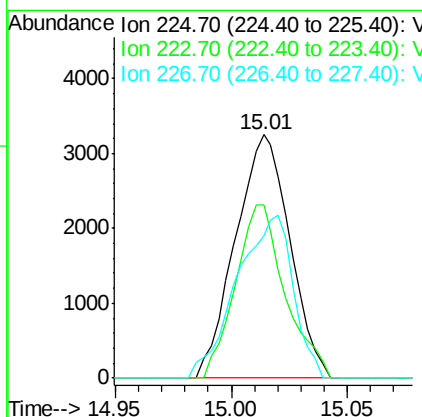
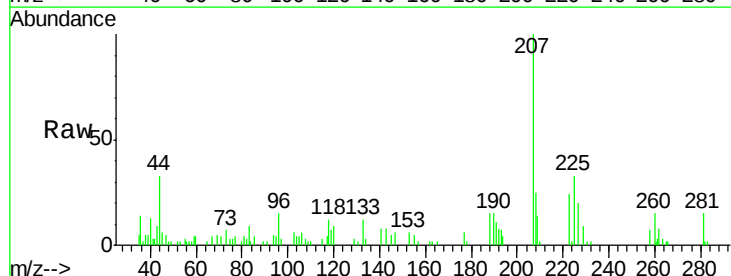
Instrument :
 MSVOA_N
 ClientSampleId :

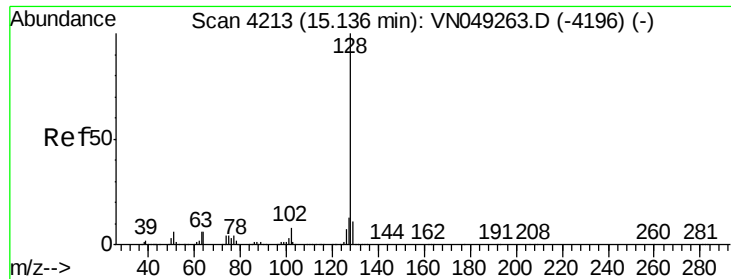
Tot Ion:180 Resp: 12294
 Ion Ratio Lower Upper
 180 100
 182 102.6 46.9 140.8
 145 86.4 14.7 44.1#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049612.D
 Acq: 29 Jun 2018 1:43

Tgt Ion:225 Resp: 5298
 Ion Ratio Lower Upper
 225 100
 223 65.2 32.1 96.3
 227 69.2 31.8 95.3

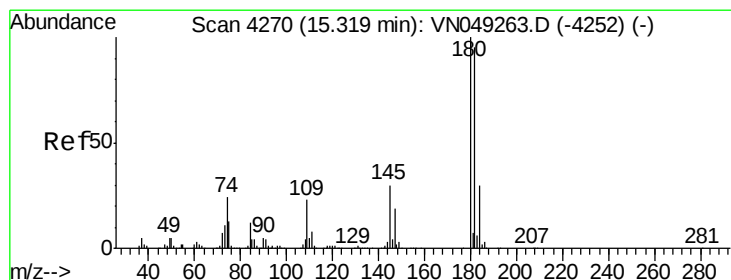
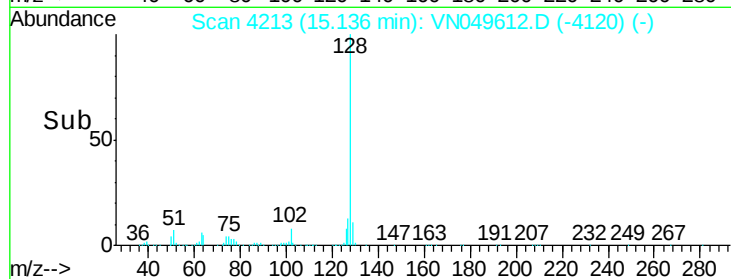
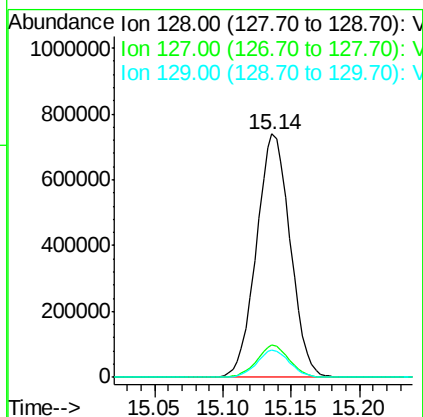
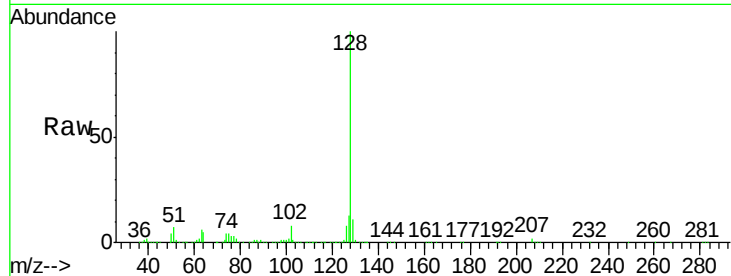




#95
Naphthalene
Concen: 65.99 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 1270960
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 4.68 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049612.D
Acq: 29 Jun 2018 1:43

Tgt Ion:180 Resp: 13273
Ion Ratio Lower Upper
180 100
182 98.6 47.3 141.8
145 101.9 15.6 46.7#

