

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049615.D
 Acq On : 29 Jun 2018 3:00
 Operator : MD\SY
 Sample : J3242-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 04:22:10 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	1114366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1764616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1477485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	594992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	725536	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.59	113	647585	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
50) Toluene-d8	10.09	98	2389451	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	
62) 4-Bromofluorobenzene	12.40	95	700469	38.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.94%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.41	74	4620	0.60	ug/l	100
11) Tert butyl alcohol	4.77	59	411	0.47	ug/l #	70
13) Acrolein	3.61	56	1892	2.08	ug/l #	62
16) Acetone	3.82	43	78276	21.81	ug/l #	88
18) Methyl Acetate	4.33	43	150179	13.72	ug/l	92
20) Methylene Chloride	4.55	84	56719	3.78	ug/l	92
25) 2-Butanone	6.84	43	8968	1.86	ug/l	96
29) Tetrahydrofuran	7.23	42	1748	0.56	ug/l #	86
30) Chloroform	7.37	83	15463	0.60	ug/l	97
31) Cyclohexane	7.67	56	20130	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	76296	3.77	ug/l #	50
38) Carbon Tetrachloride	7.67	117	99802	4.77	ug/l #	17
40) Benzene	8.04	78	13305	0.21	ug/l	96
43) Isopropyl Acetate	8.30	43	443552	21.11	ug/l #	64
44) Trichloroethene	8.84	130	12234	0.75	ug/l	89
47) Bromodichloromethane	9.40	83	7268	0.35	ug/l #	78
49) 1,4-Dioxane	9.20	88	62	0.45	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	6583	0.60	ug/l #	72
58) 2-Chloroethyl Vinyl ether	9.70	63	33	14.33	ug/l #	51
65) Chlorobenzene	11.44	112	8248	0.22	ug/l	100
68) m/p-Xylenes	11.62	106	17825	0.75	ug/l	99
69) o-Xylene	11.95	106	8607	0.38	ug/l	84
71) Bromoform	12.41	173	4999	0.54	ug/l #	1
74) N-ethyl acetate	12.04	43	4528	0.35	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.41	83	448	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	340192	33.51	ug/l #	100
77) Bromobenzene	12.53	156	5772	0.42	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	340192	105.91	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.04	105	11361	0.28	ug/l	86
90) Hexachloroethane	13.89	117	671	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.91	180	1627	4.89	ug/l	86
94) Hexachlorobutadiene	15.01	225	65	Below	Cal #	18
95) Naphthalene	15.14	128	570916	33.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1052	3.56	ug/l #	83

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 29 04:22:10 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

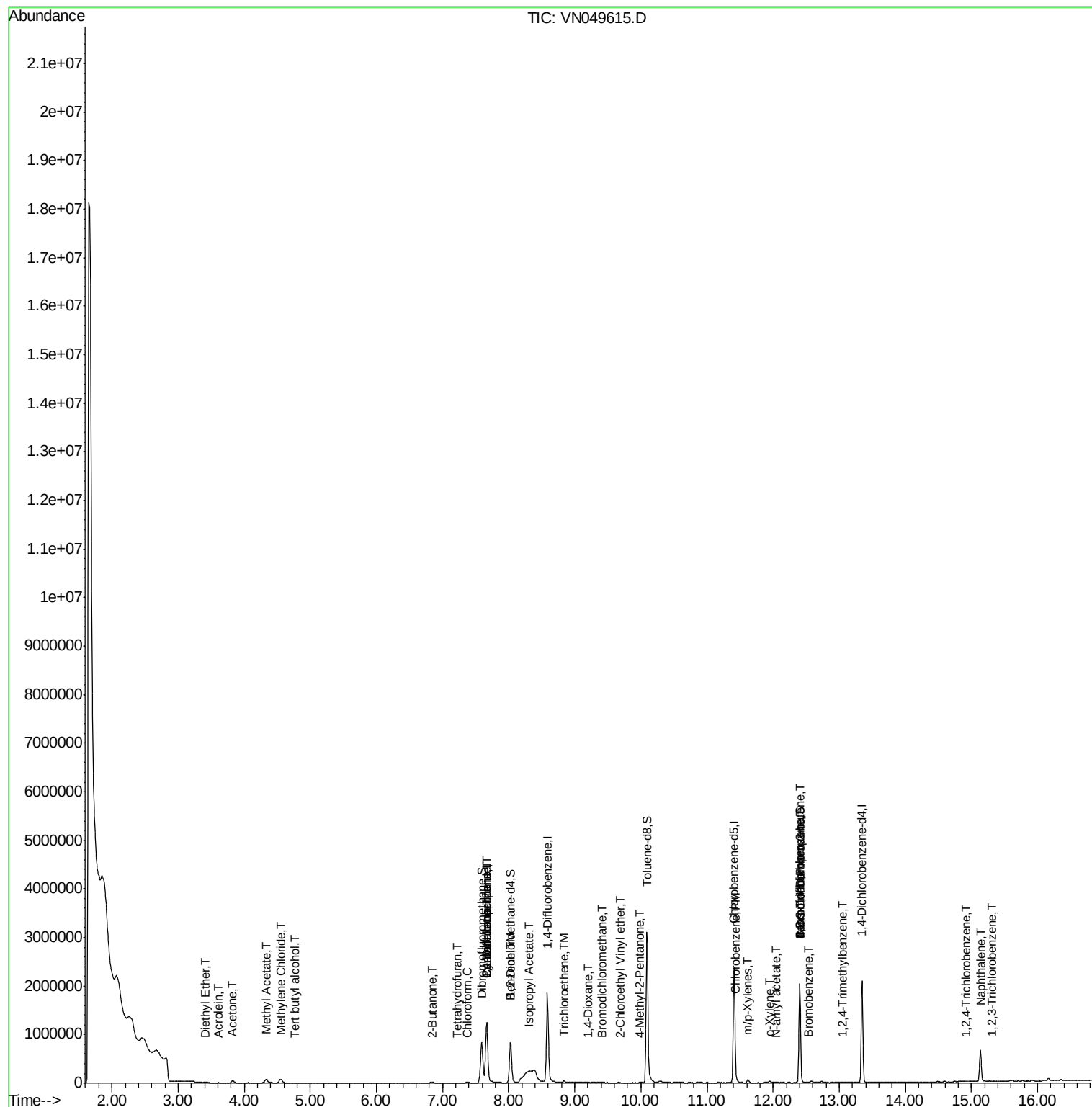
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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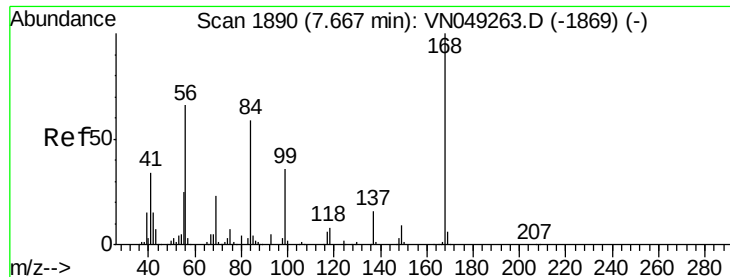
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062818\
Data File : VN049615.D
Acq On : 29 Jun 2018 3:00
Operator : MD\SY
Sample : J3242-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
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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: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

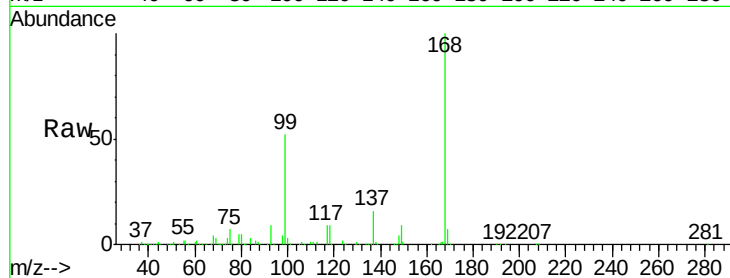
ClientSampled :

Tot Ion:168 Resp: 1114366

Ion Ratio Lower Upper

168 100

99 52.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

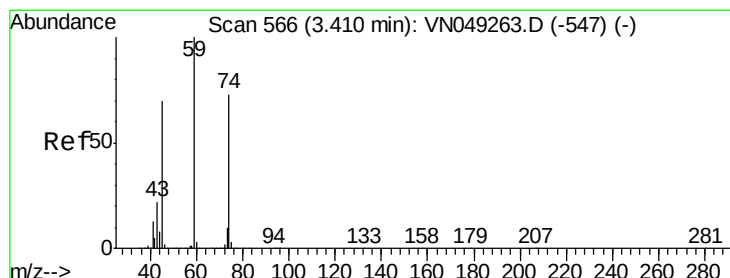
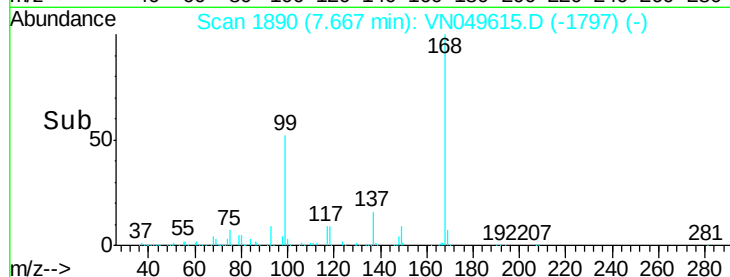
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.60 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049615.D

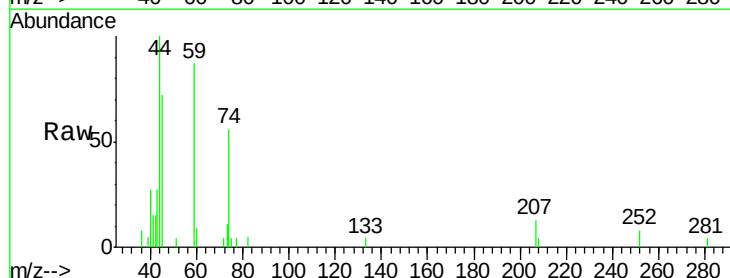
Acq: 29 Jun 2018 3:00

Tgt Ion: 74 Resp: 4620

Ion Ratio Lower Upper

74 100

45 103.8 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.41

3000

2500

2000

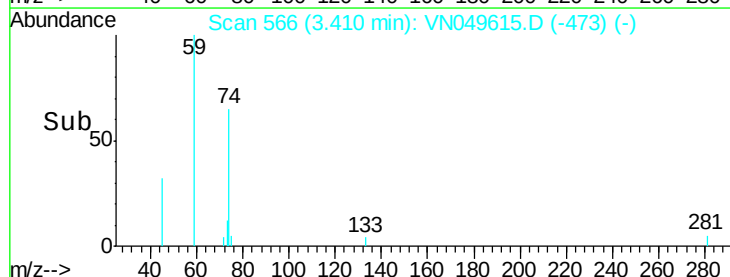
1500

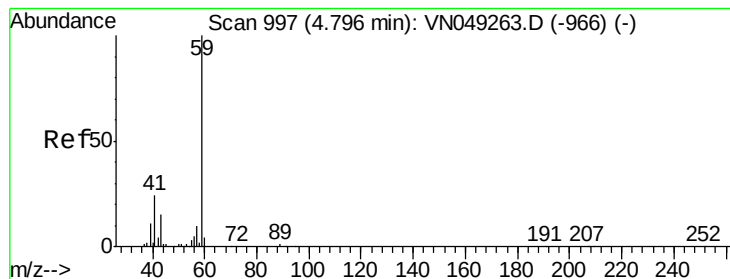
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 0.47 ug/l

RT: 4.77 min Scan# 990

Delta R.T. -0.02 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

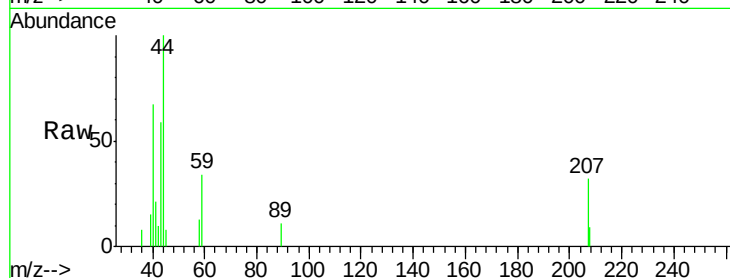
ClientSampled :

Tot Ion: 59 Resp: 411

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.77

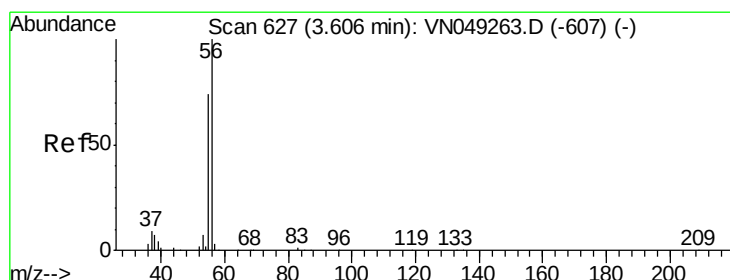
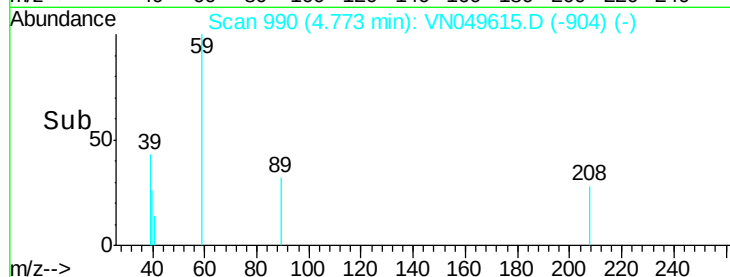
600

400

200

0

Time-->



#13

Acrolein

Concen: 2.08 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049615.D

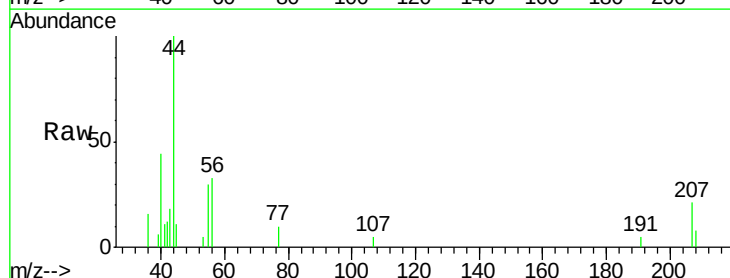
Acq: 29 Jun 2018 3:00

Tgt Ion: 56 Resp: 1892

Ion Ratio Lower Upper

56 100

55 102.6 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

1000

800

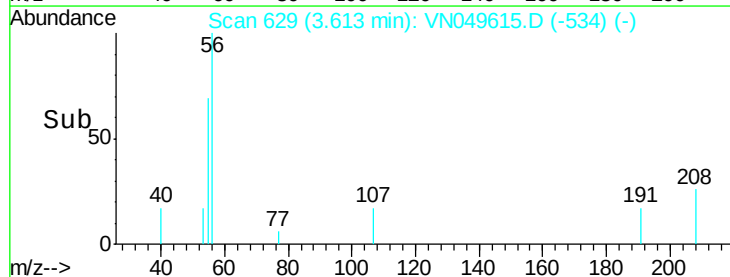
600

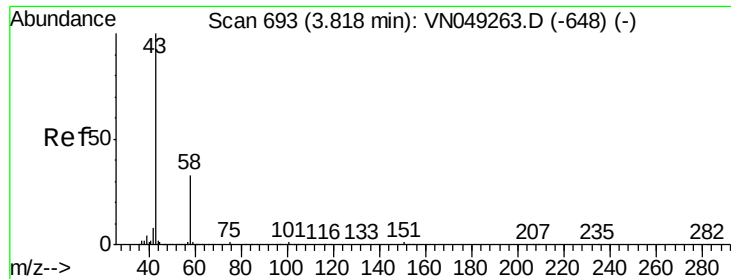
400

200

0

Time-->





#16

Acetone

Concen: 21.81 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

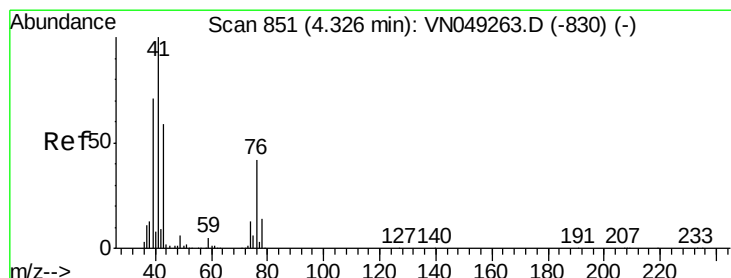
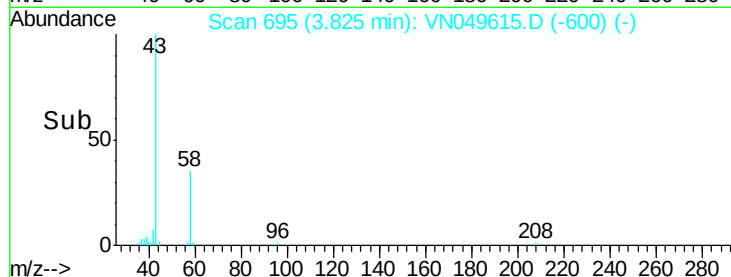
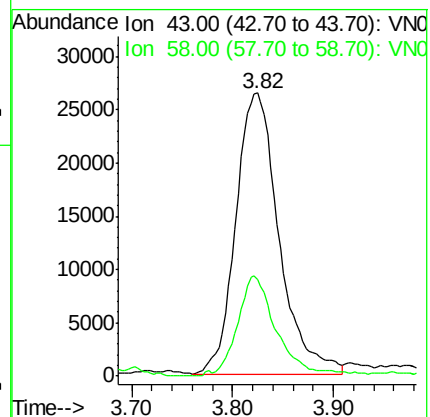
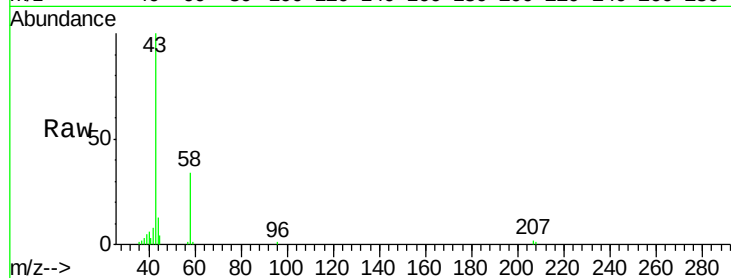
ClientSampleId :

Tot Ion: 43 Resp: 78276

Ion Ratio Lower Upper

43 100

58 34.3 22.4 33.6#



#18

Methyl Acetate

Concen: 13.72 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049615.D

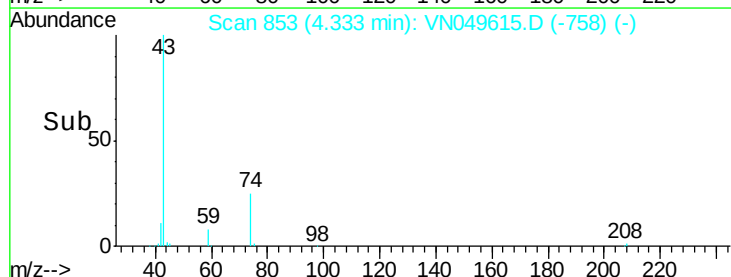
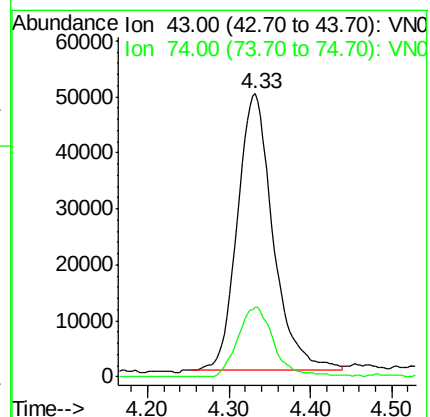
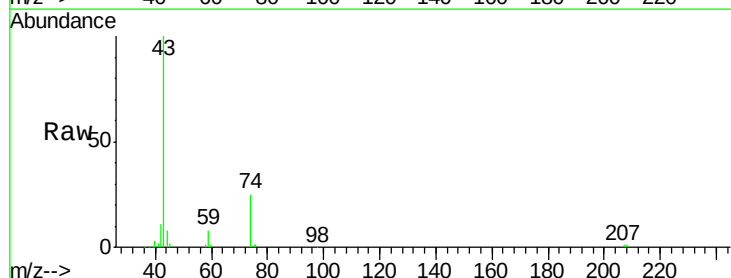
Acq: 29 Jun 2018 3:00

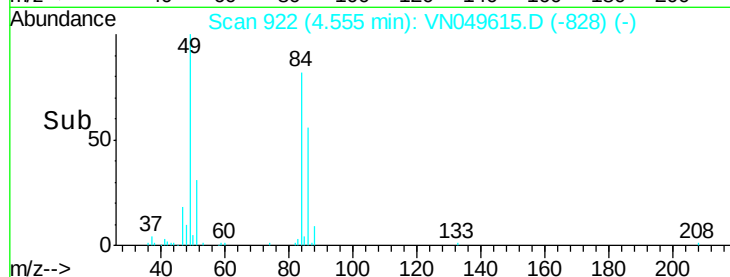
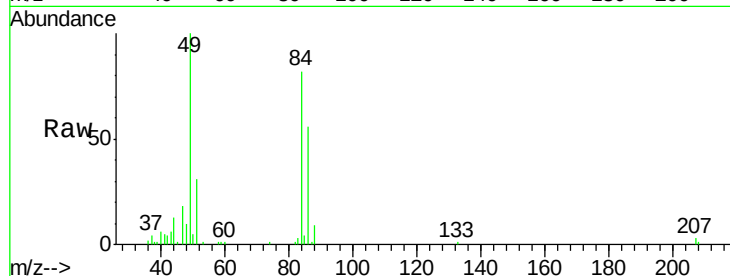
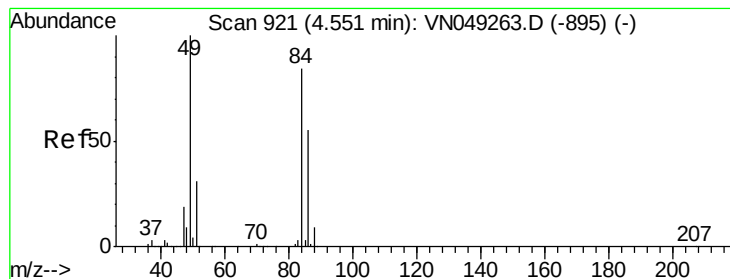
Tgt Ion: 43 Resp: 150179

Ion Ratio Lower Upper

43 100

74 25.5 17.4 26.0





#20

Methylene Chloride

Concen: 3.78 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 84 Resp: 56719

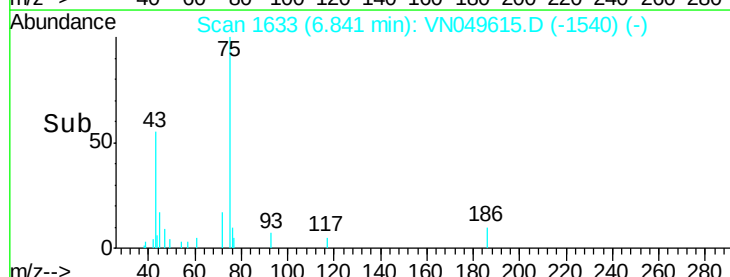
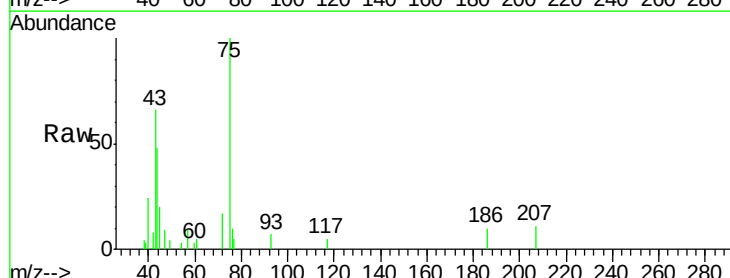
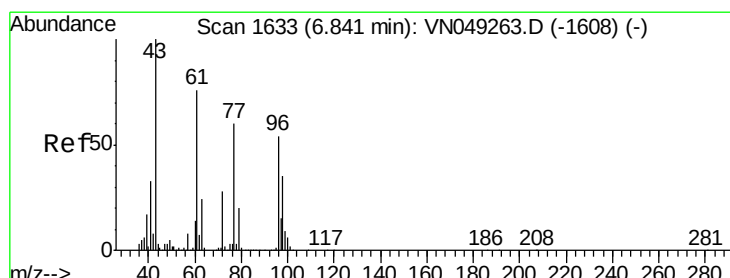
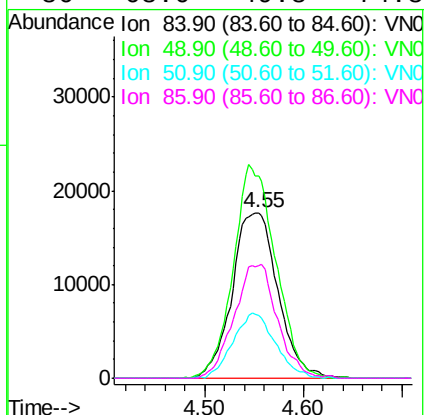
Ion Ratio Lower Upper

84 100

49 122.2 106.9 160.3

51 37.8 32.7 49.1

86 68.0 49.8 74.8



#25

2-Butanone

Concen: 1.86 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049615.D

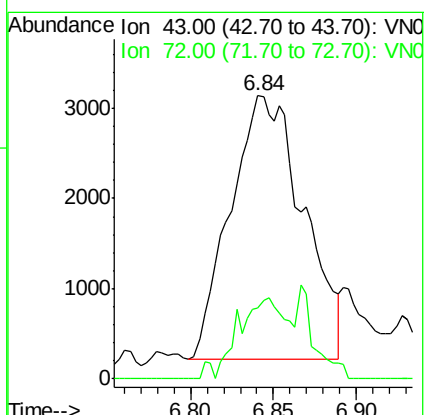
Acq: 29 Jun 2018 3:00

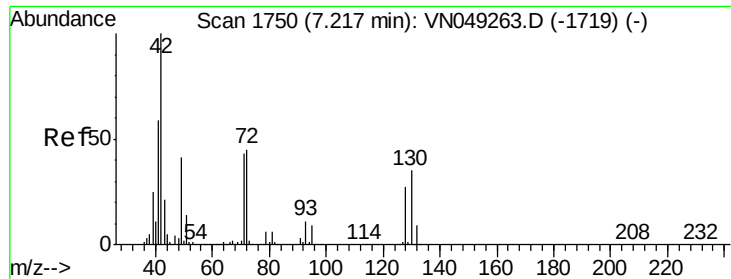
Tgt Ion: 43 Resp: 8968

Ion Ratio Lower Upper

43 100

72 27.1 20.2 30.2

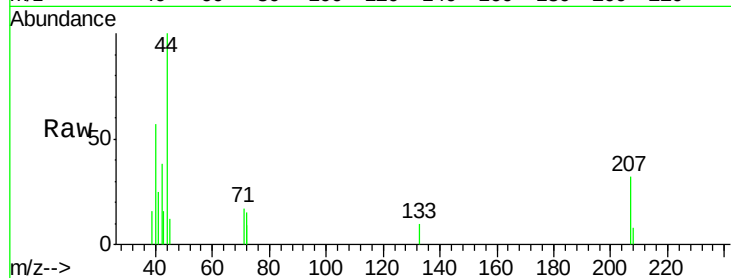




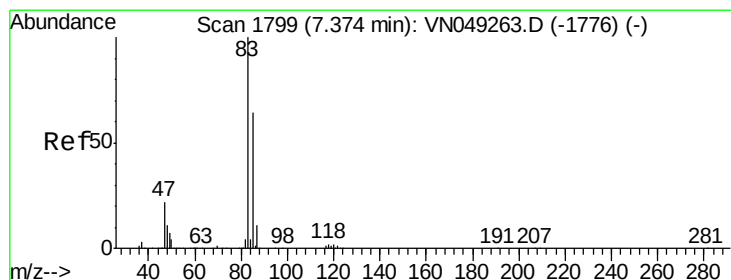
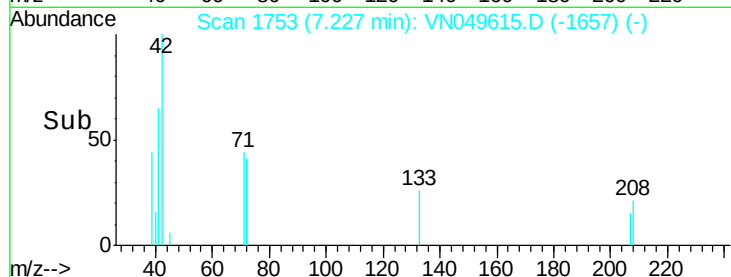
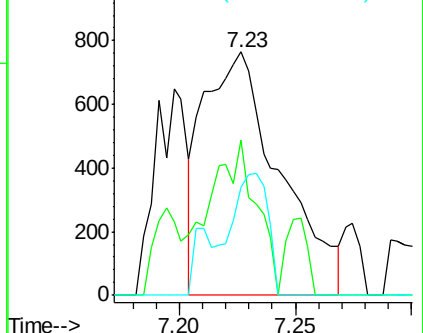
#29
Tetrahydrofuran
Concen: 0.56 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1748
Ion Ratio Lower Upper
42 100
72 38.2 32.2 48.4
71 22.8 30.5 45.7#

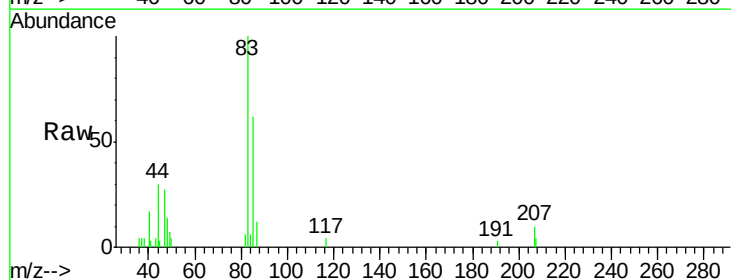


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

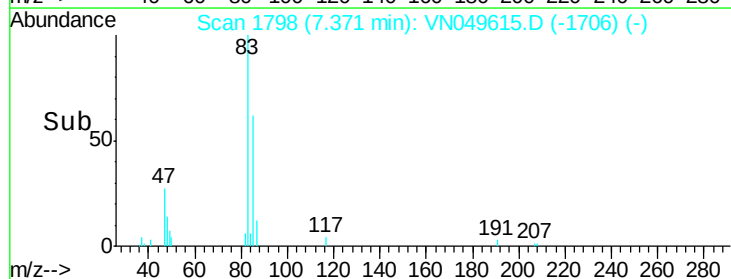
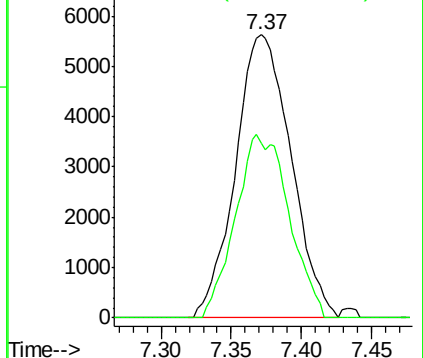


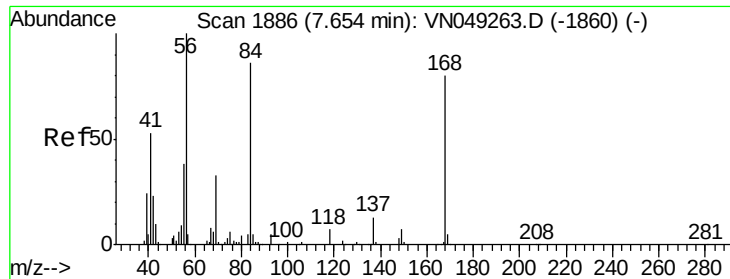
#30
Chloroform
Concen: 0.60 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

Tgt Ion: 83 Resp: 15463
Ion Ratio Lower Upper
83 100
85 61.9 51.7 77.5



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

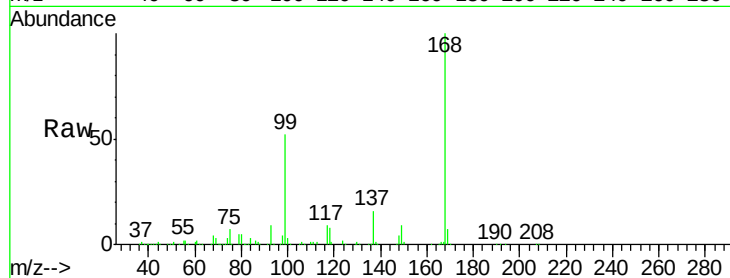




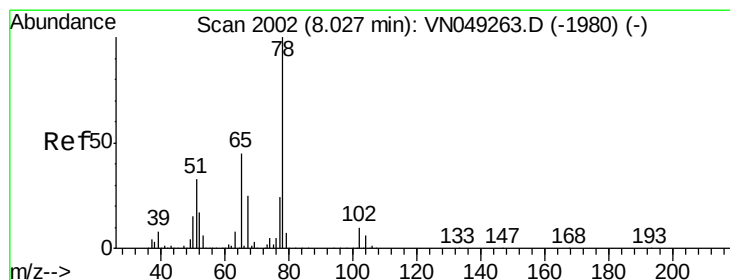
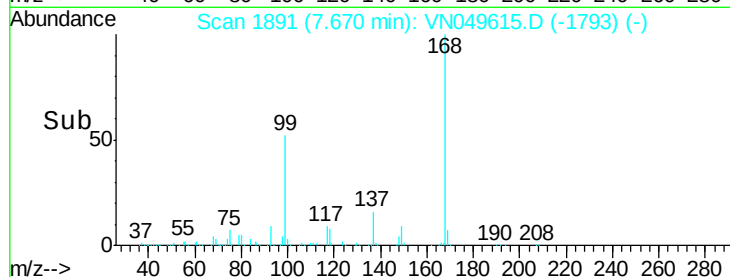
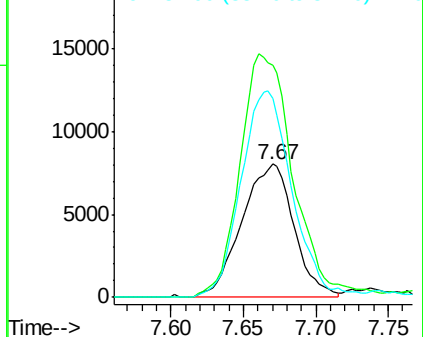
#31
Cyclohexane
Concen: 0.75 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 20130
Ion Ratio Lower Upper
56 100
69 173.6 25.0 37.4#
84 148.8 64.6 96.8#

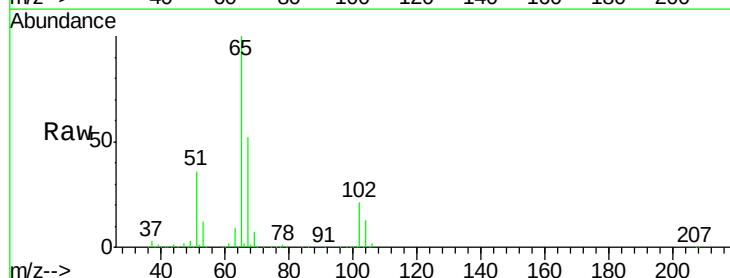


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

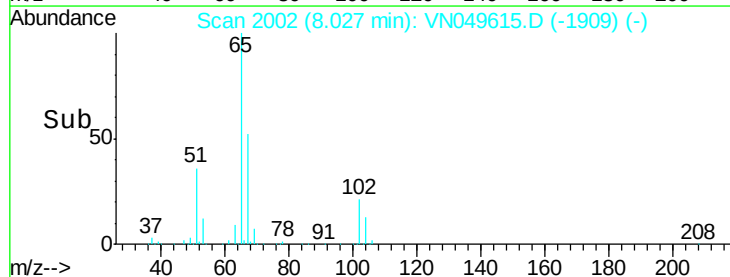
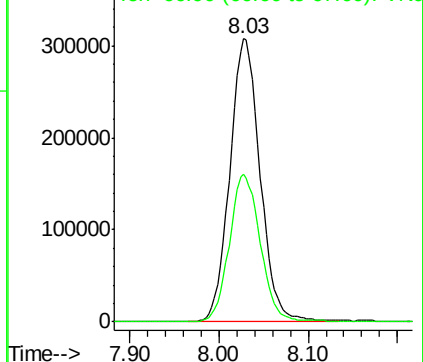


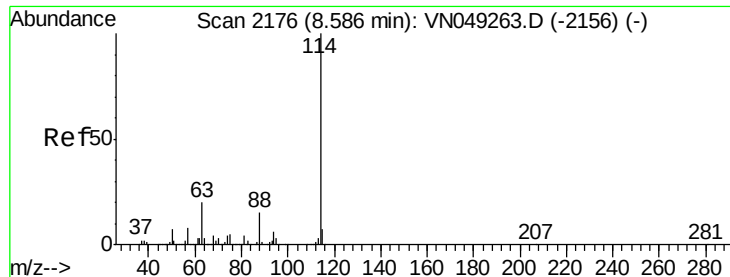
#33
1,2-Dichloroethane-d4
Concen: 49.09 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

Tgt Ion: 65 Resp: 725536
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.8



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

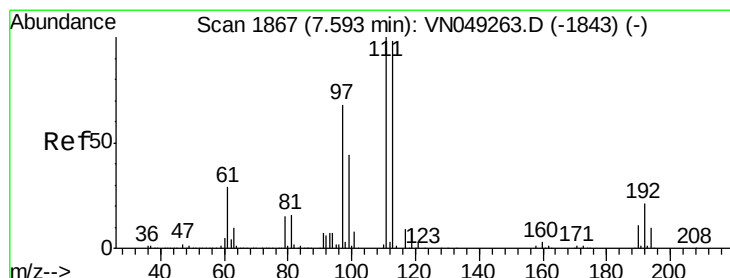
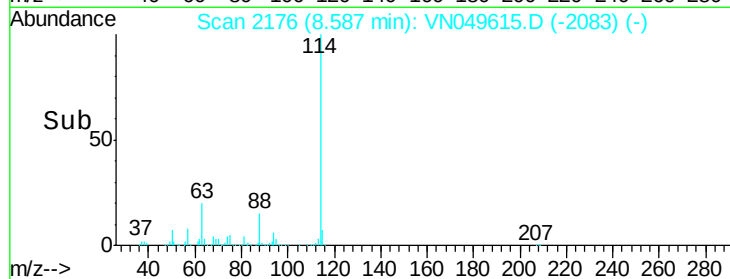
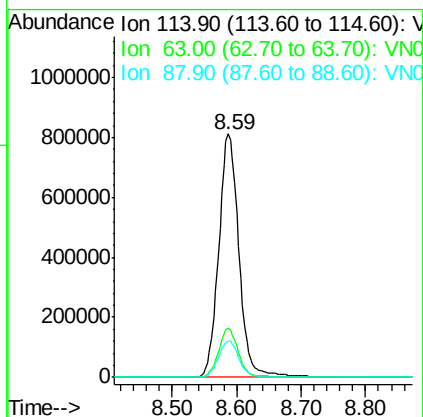
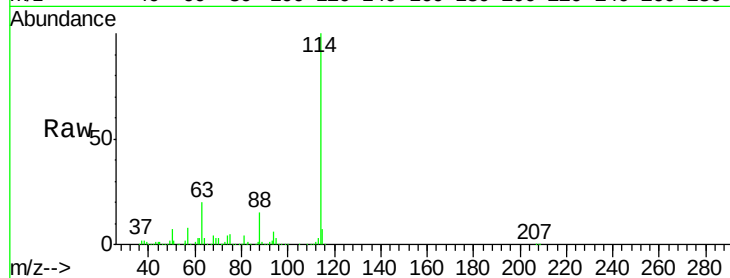




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049615.D
 Acq: 29 Jun 2018 3:00

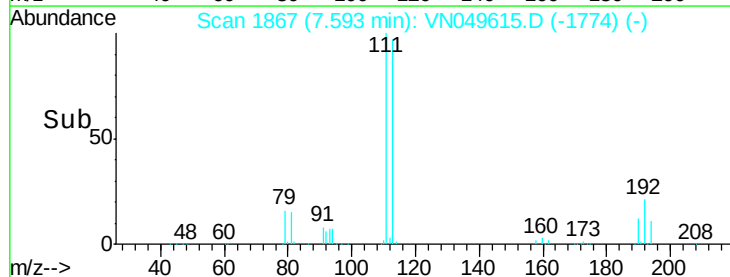
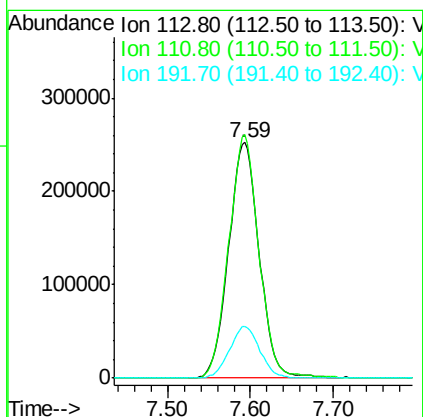
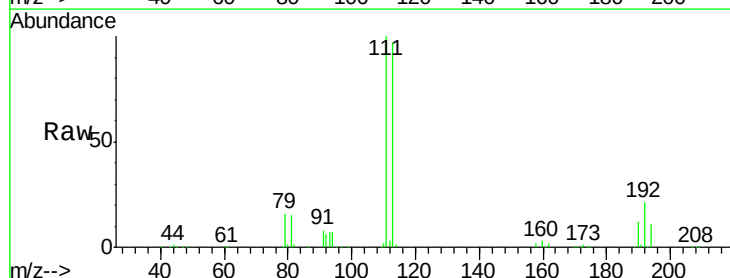
Instrument :
 MSVOA_N
 ClientSampled :

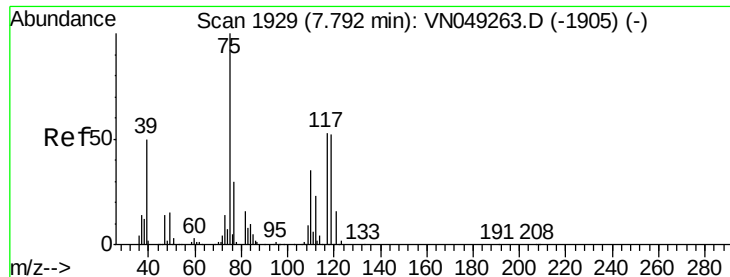
Tot Ion:114 Resp: 1764616
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 44.4
 88 14.8 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 45.36 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049615.D
 Acq: 29 Jun 2018 3:00

Tgt Ion:113 Resp: 647585
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.4 123.6
 192 21.8 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.77 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

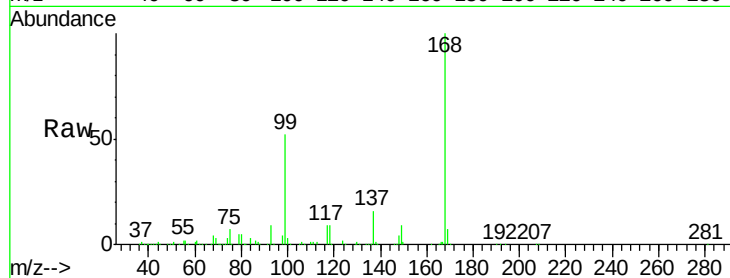
Tot Ion: 75 Resp: 76296

Ion Ratio Lower Upper

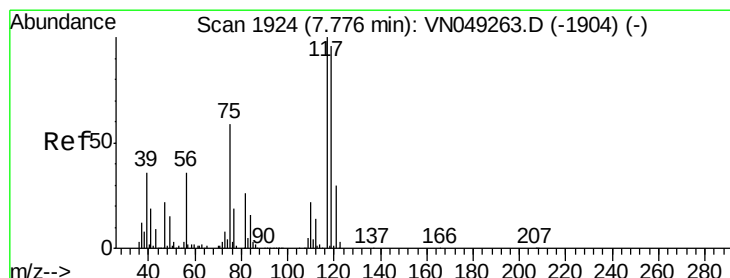
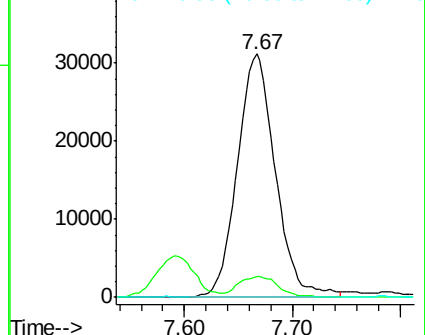
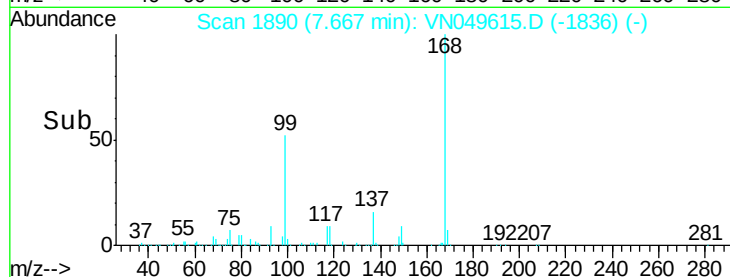
75 100

110 8.2 17.0 50.9#

77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN049615.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 4.77 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

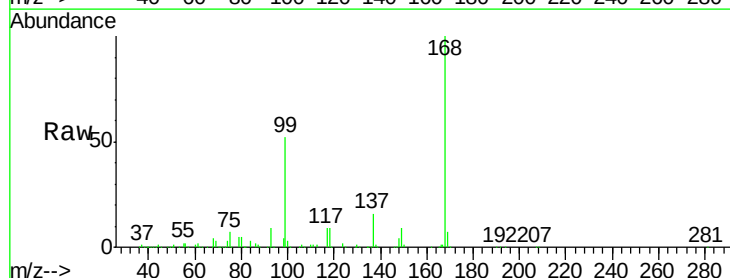
Tgt Ion: 117 Resp: 99802

Ion Ratio Lower Upper

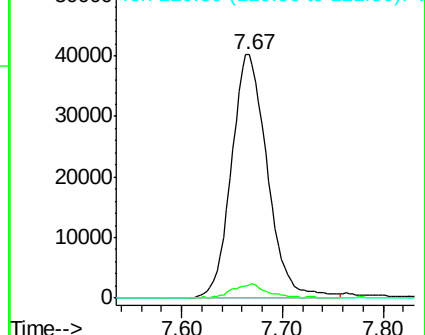
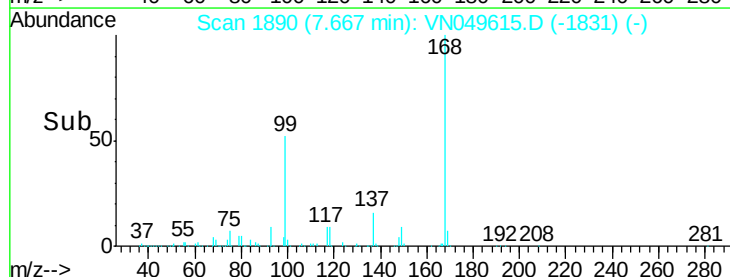
117 100

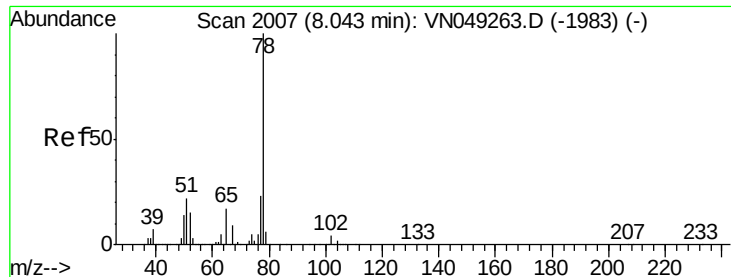
119 5.5 75.6 113.4#

121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN049615.D (-1831) (-)





#40

Benzene

Concen: 0.21 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

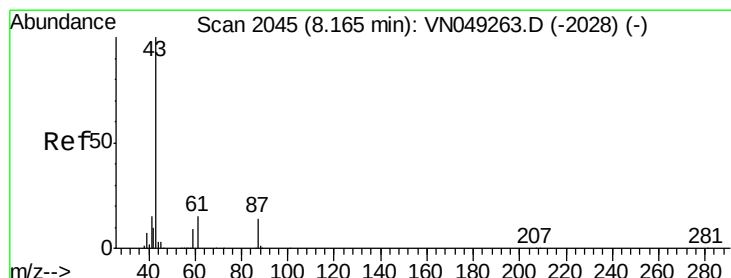
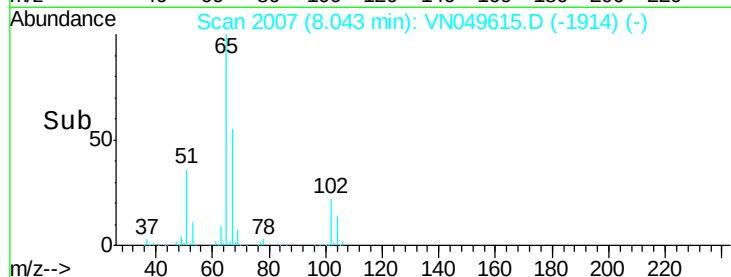
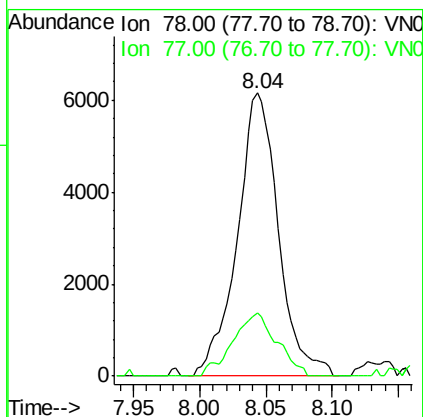
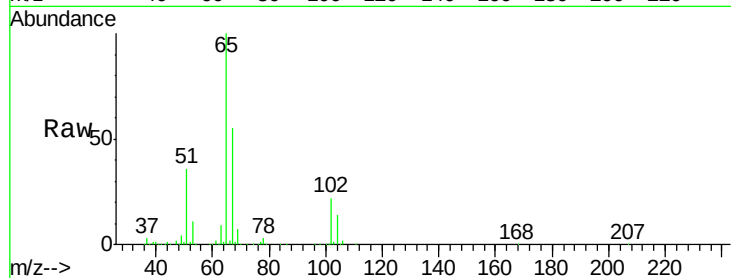
ClientSampleId :

Tot Ion: 78 Resp: 13305

Ion Ratio Lower Upper

78 100

77 22.4 19.4 29.0



#43

Isopropyl Acetate

Concen: 21.11 ug/l

RT: 8.30 min Scan# 2086

Delta R.T. 0.13 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

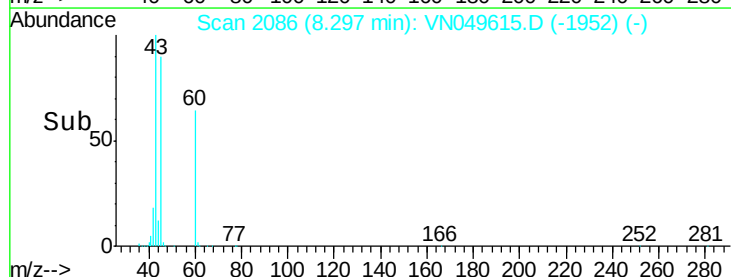
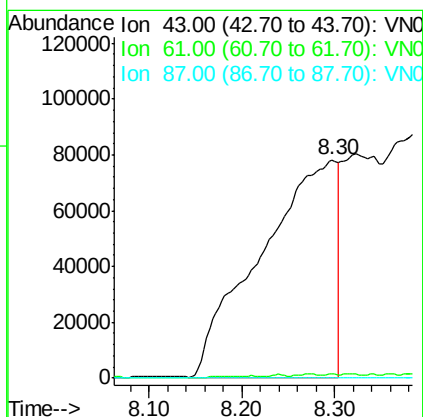
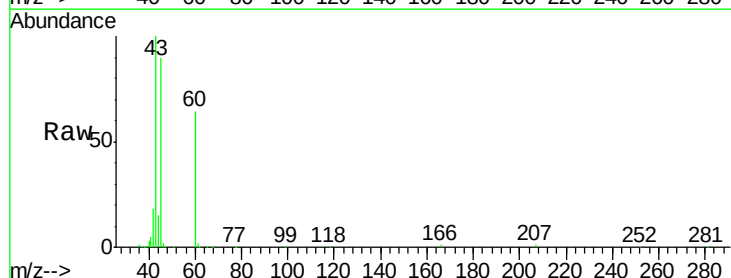
Tgt Ion: 43 Resp: 443552

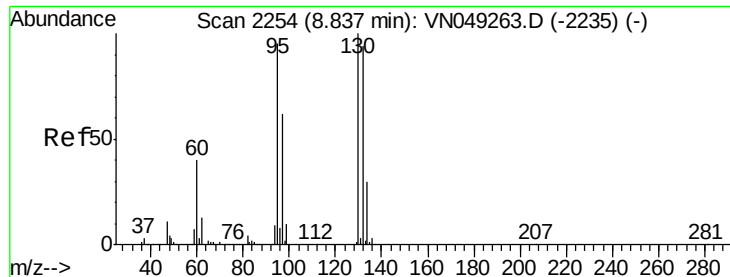
Ion Ratio Lower Upper

43 100

61 0.1 14.2 21.4#

87 0.0 9.4 14.0#





#44

Trichloroethene

Concen: 0.75 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

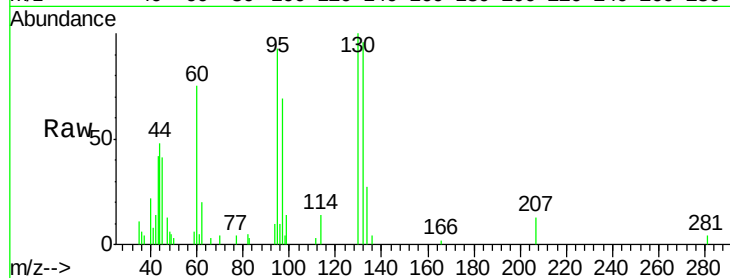
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:130 Resp: 12234

Ion Ratio Lower Upper

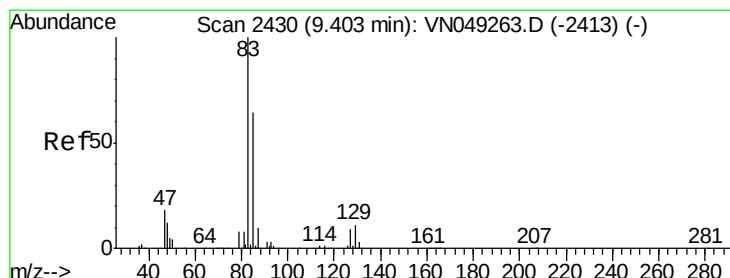
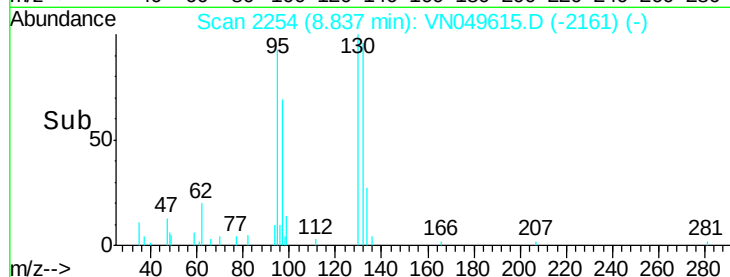
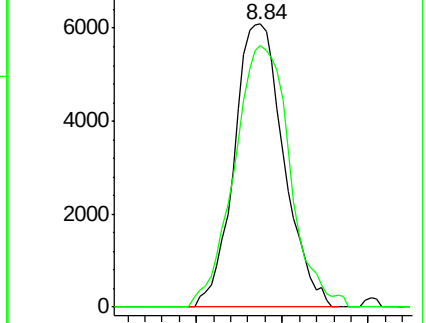
130 100

95 92.5 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#47

Bromodichloromethane

Concen: 0.35 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

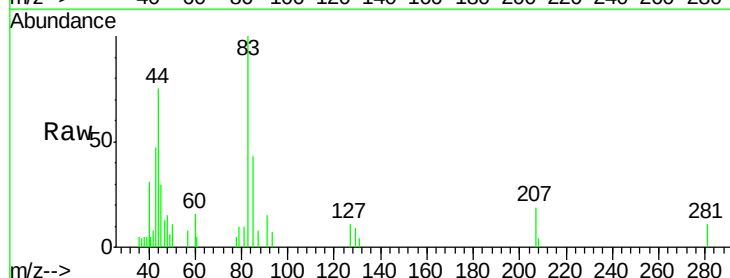
Tgt Ion: 83 Resp: 7268

Ion Ratio Lower Upper

83 100

85 43.1 49.4 74.0#

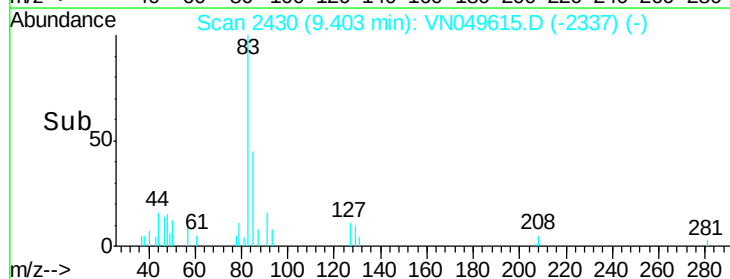
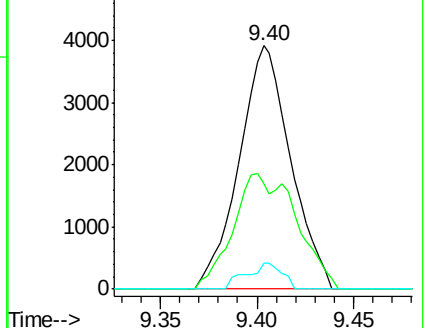
127 10.6 6.3 9.5#

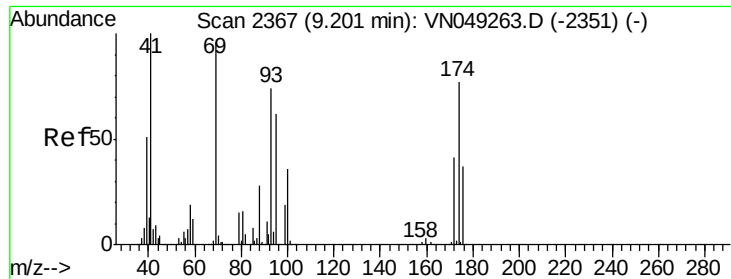


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

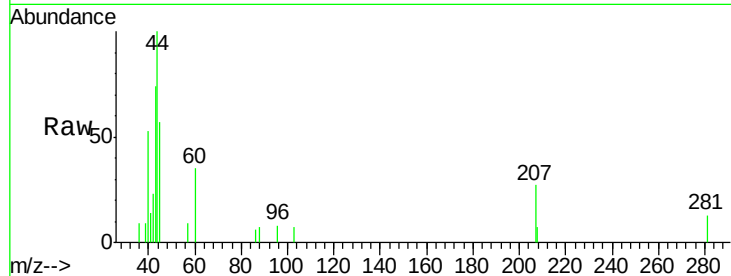




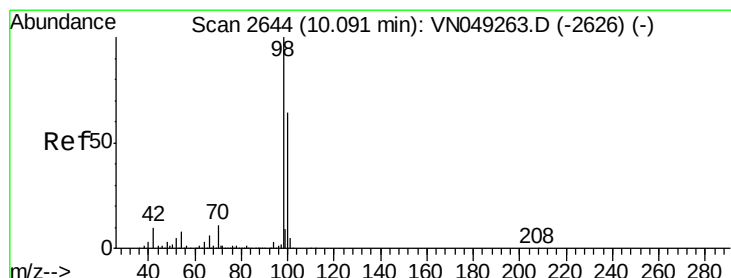
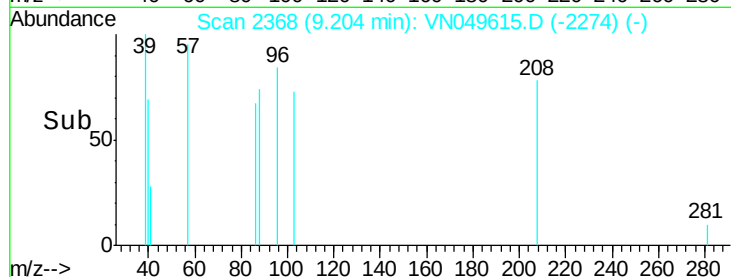
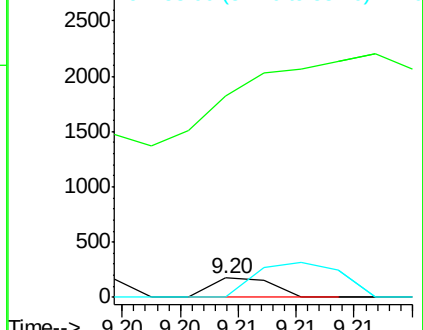
#49
1,4-Dioxane
Concen: 0.45 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 258.1 58.9 88.3#

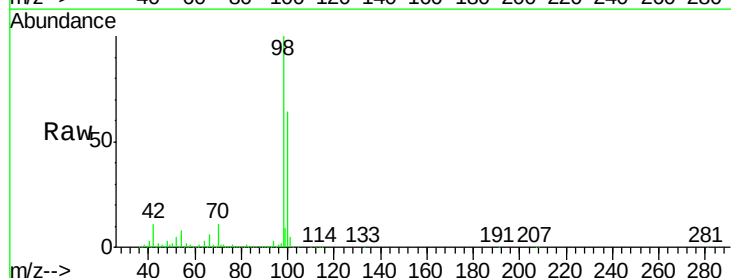


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

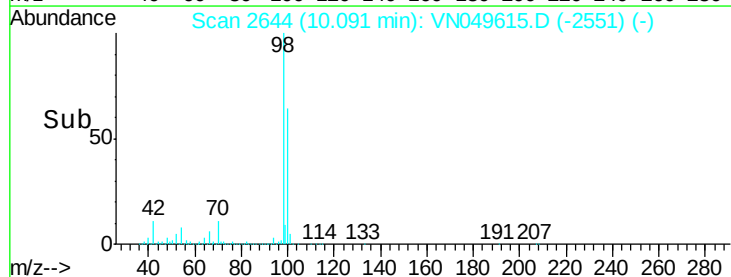
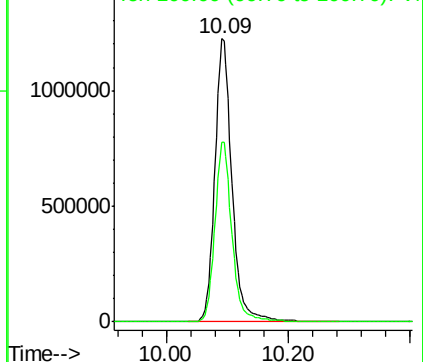


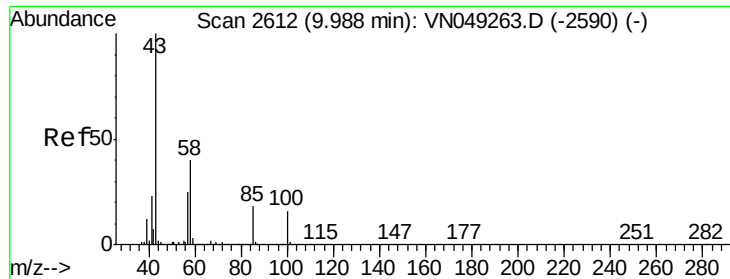
#50
Toluene-d8
Concen: 43.96 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

Tgt Ion: 98 Resp: 2389451
Ion Ratio Lower Upper
98 100
100 63.3 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

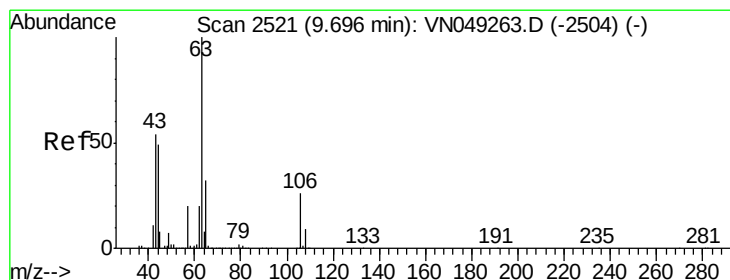
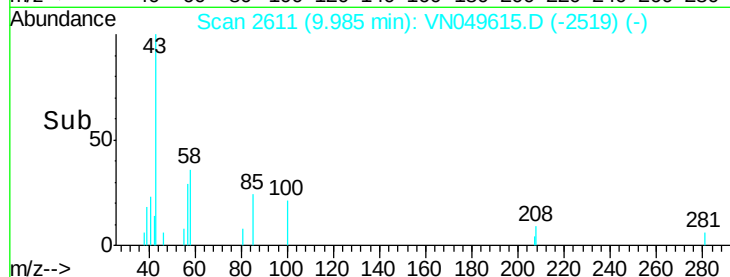
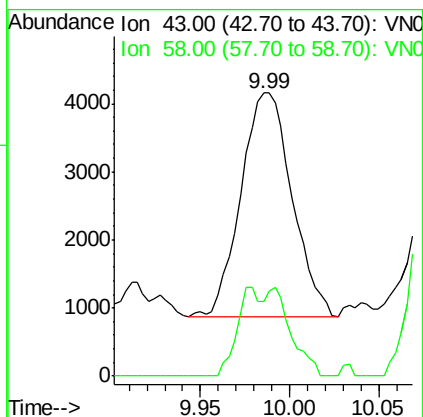
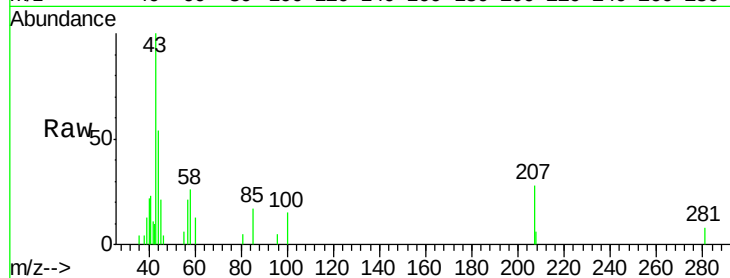




#51
 4-Methyl-2-Pentanone
 Concen: 0.60 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049615.D
 Acq: 29 Jun 2018 3:00

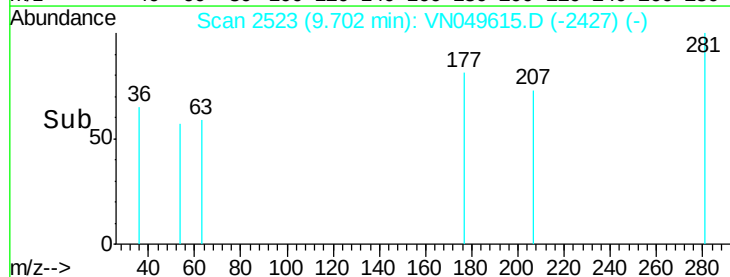
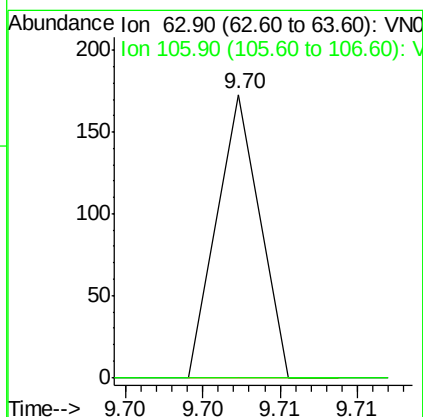
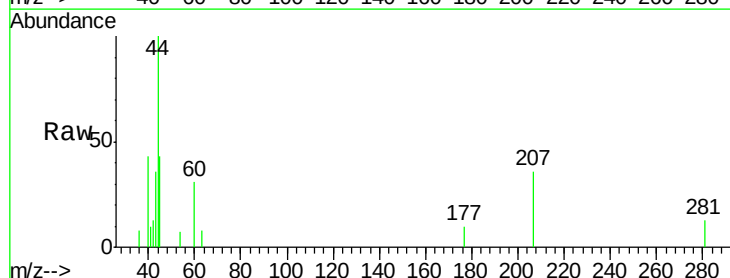
Instrument :
 MSVOA_N
 ClientSampled :

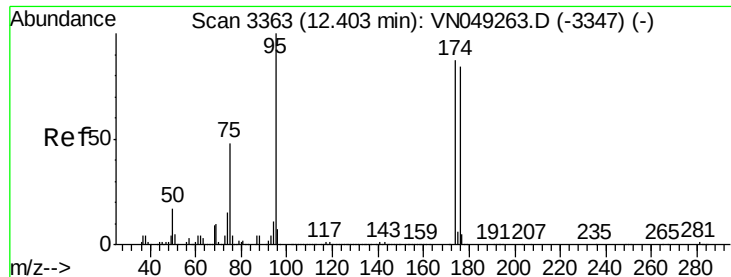
Tot Ion: 43 Resp: 6583
 Ion Ratio Lower Upper
 43 100
 58 19.7 29.0 43.6#



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.33 ug/l
 RT: 9.70 min Scan# 2523
 Delta R.T. 0.01 min
 Lab File: VN049615.D
 Acq: 29 Jun 2018 3:00

Tgt Ion: 63 Resp: 33
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#

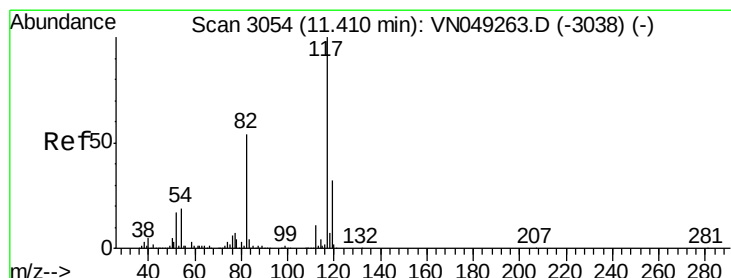
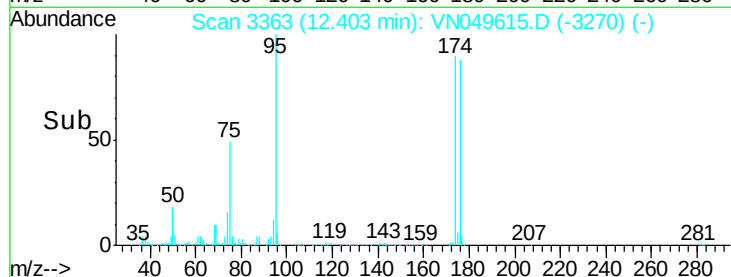
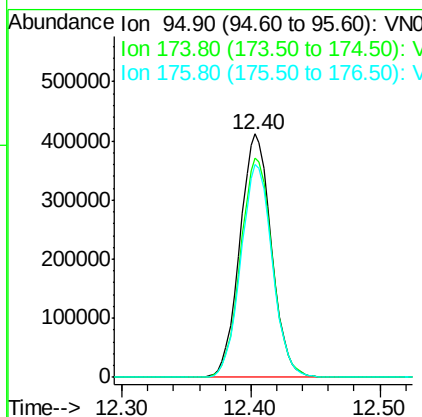
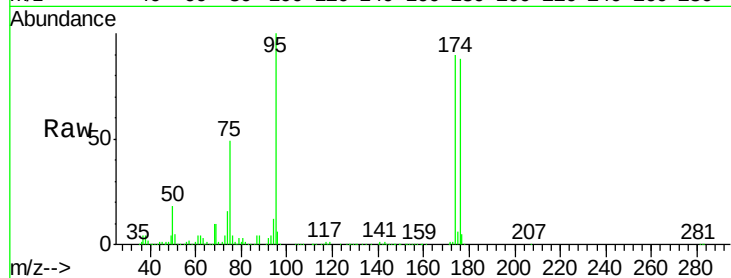




#62
4-Bromofluorobenzene
Concen: 38.97 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

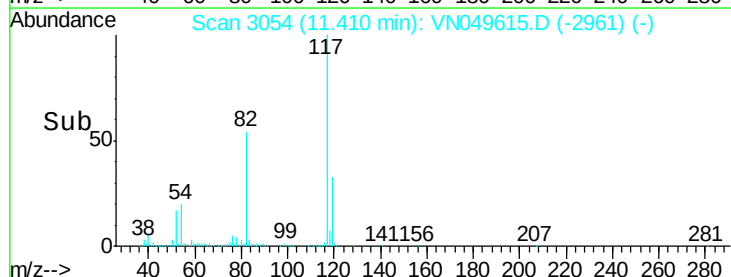
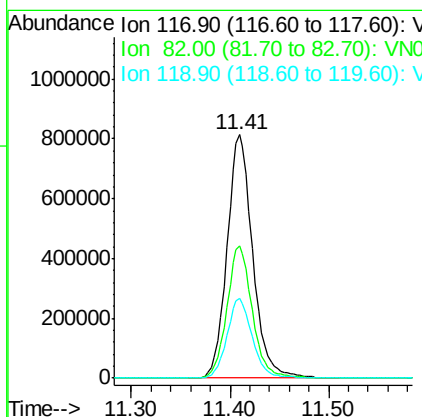
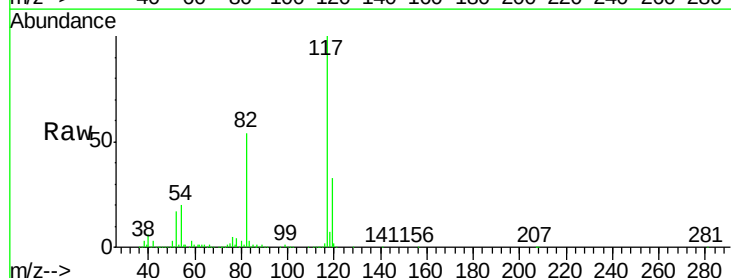
Instrument :
MSVOA_N
ClientSampled :

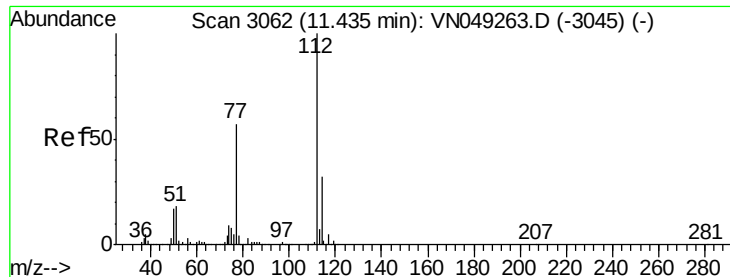
Tot Ion: 95 Resp: 700469
Ion Ratio Lower Upper
95 100
174 90.9 0.0 165.6
176 87.4 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

Tgt Ion: 117 Resp: 1477485
Ion Ratio Lower Upper
117 100
82 54.3 45.9 68.9
119 32.7 25.5 38.3

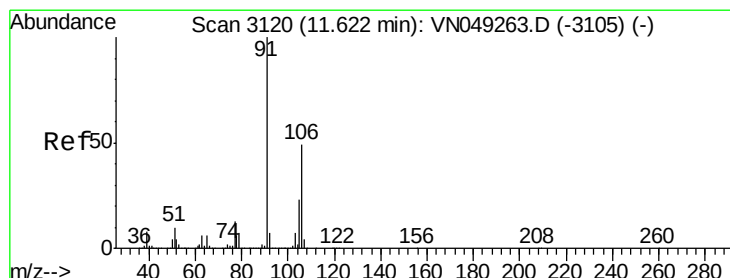
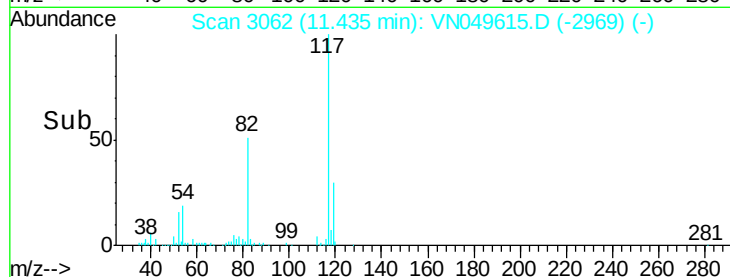
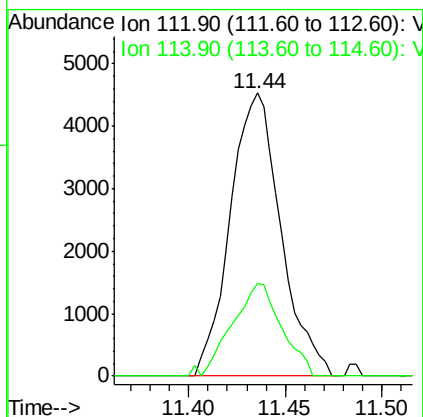
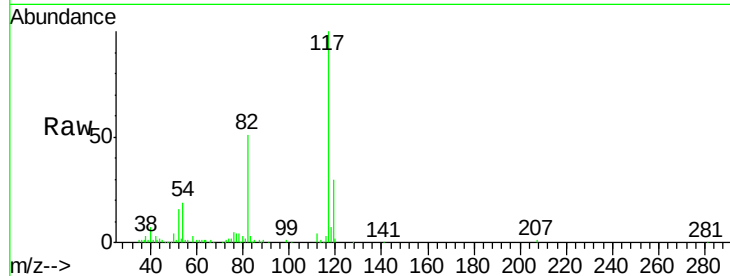




#65
Chlorobenzene
Concen: 0.22 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

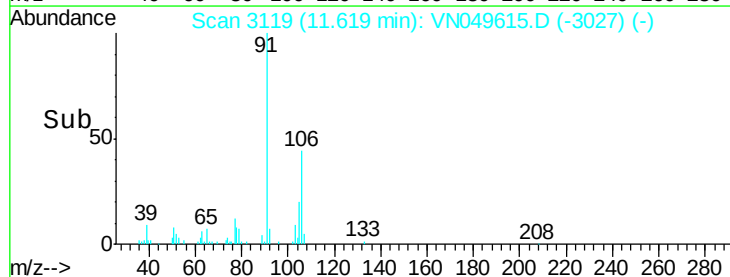
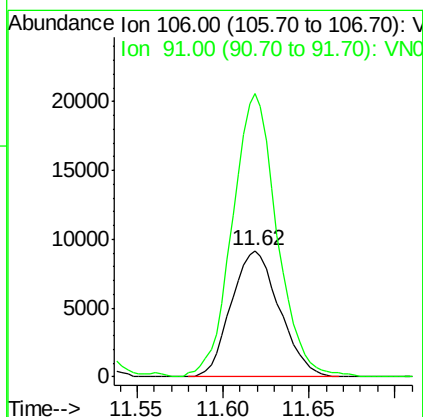
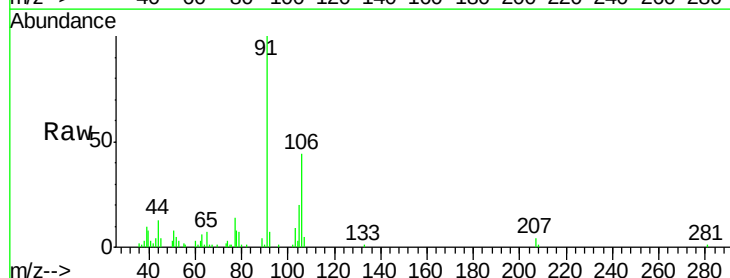
Instrument :
MSVOA_N
ClientSampled :

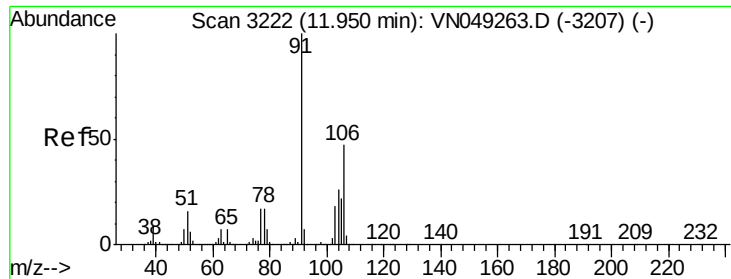
Tot Ion:112 Resp: 8248
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4



#68
m/p-Xylenes
Concen: 0.75 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

Tgt Ion:106 Resp: 17825
Ion Ratio Lower Upper
106 100
91 207.9 167.3 250.9

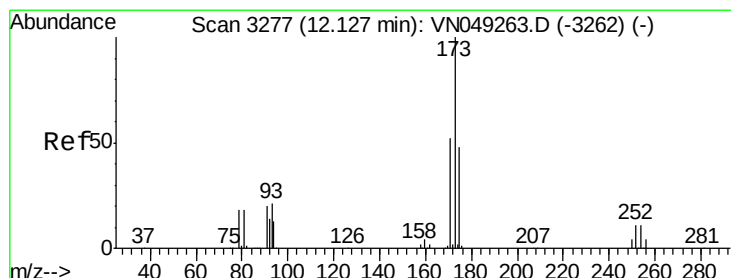
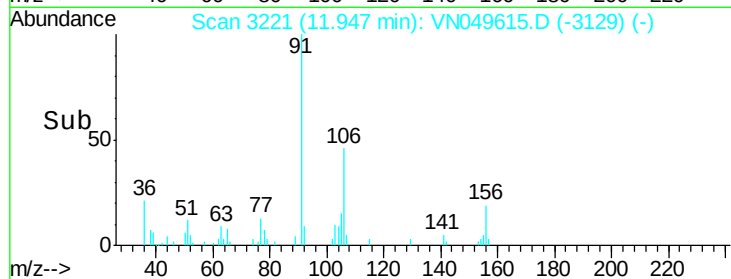
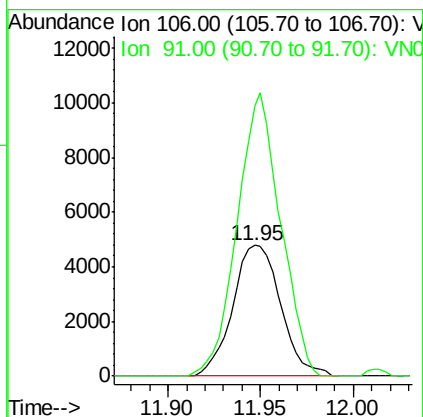
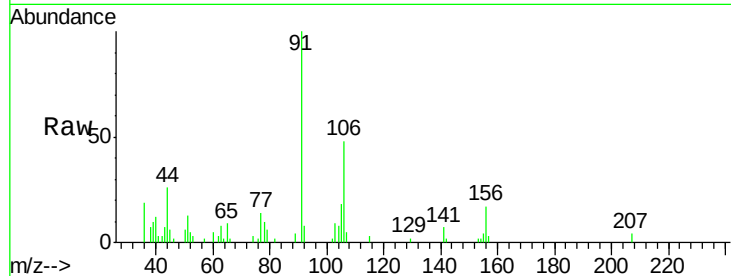




#69
o-Xylene
Concen: 0.38 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

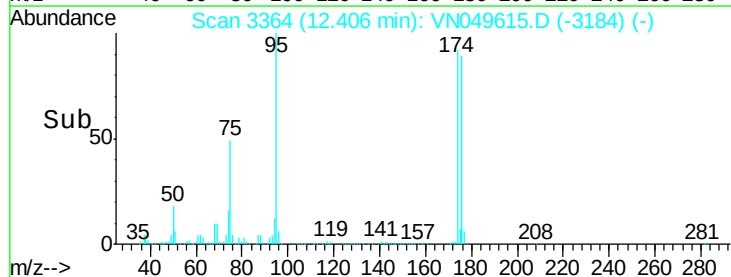
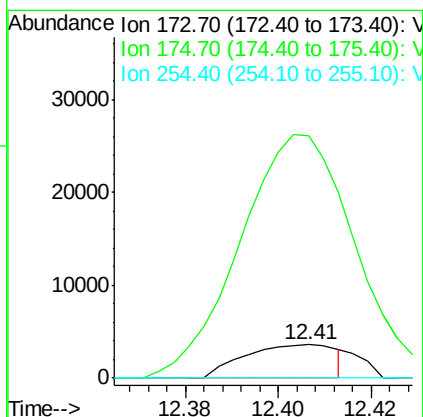
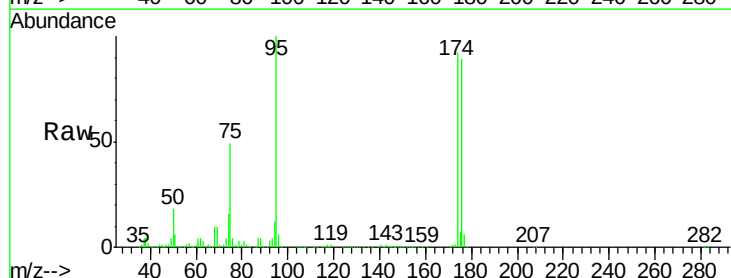
Instrument :
MSVOA_N
ClientSampleId :

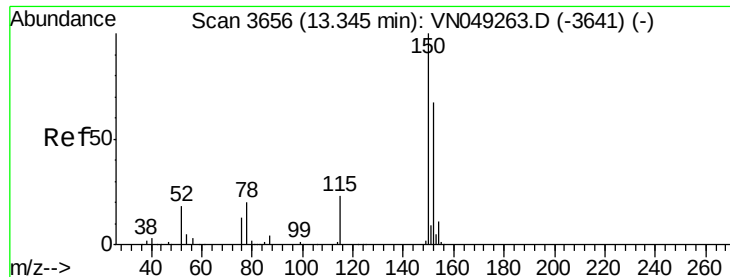
Tot Ion:106 Resp: 8607
Ion Ratio Lower Upper
106 100
91 195.8 111.0 333.0



#71
Bromoform
Concen: 0.54 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049615.D
Acq: 29 Jun 2018 3:00

Tgt Ion:173 Resp: 4999
Ion Ratio Lower Upper
173 100
175 740.3 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: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

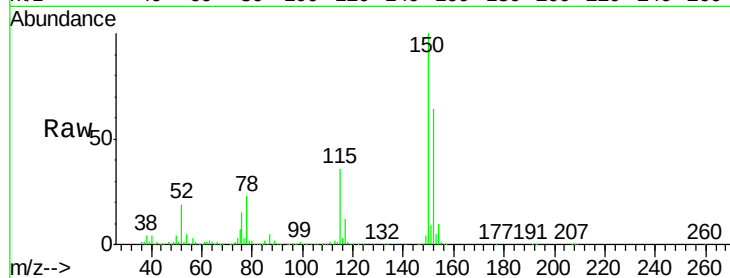
Tot Ion:152 Resp: 594992

Ion Ratio Lower Upper

152 100

115 56.0 28.7 86.1

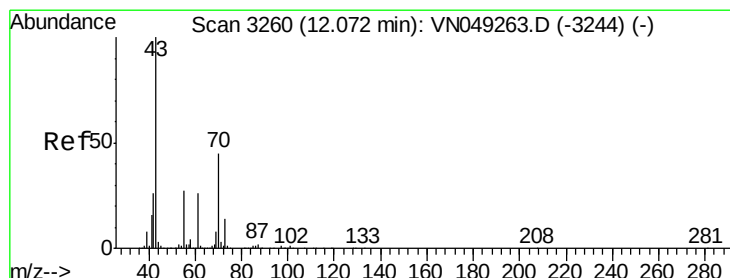
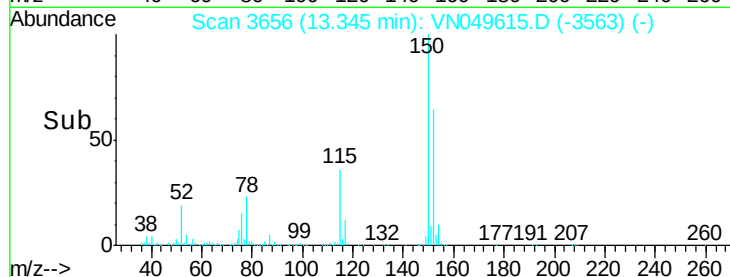
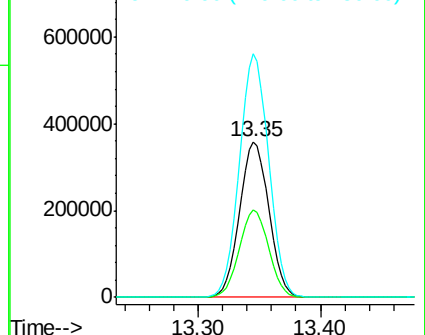
150 155.9 0.0 351.0



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



#74

N-ethyl acetate

Concen: 0.35 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

Tgt Ion: 43 Resp: 4528

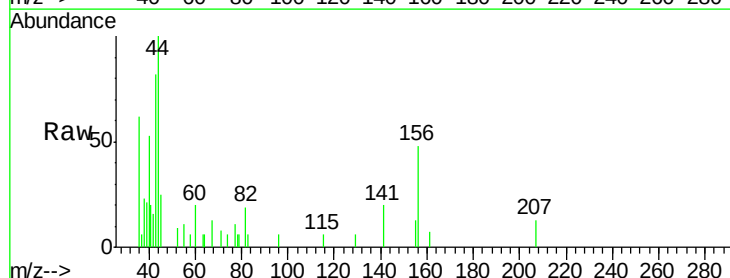
Ion Ratio Lower Upper

43 100

70 0.7 30.3 45.5#

55 4.3 19.4 29.2#

61 1.5 17.8 26.6#

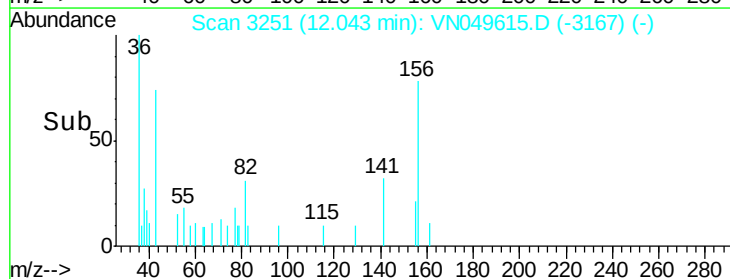
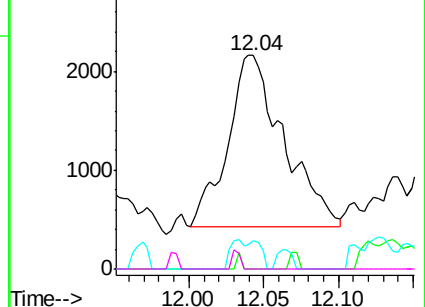


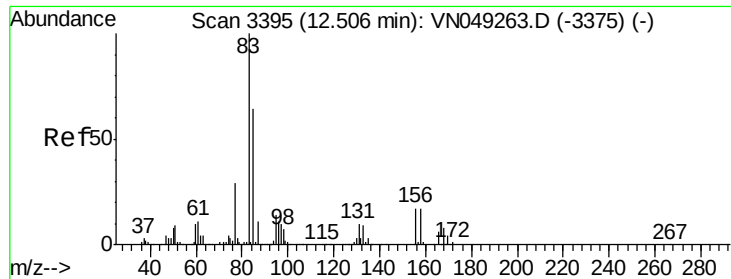
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

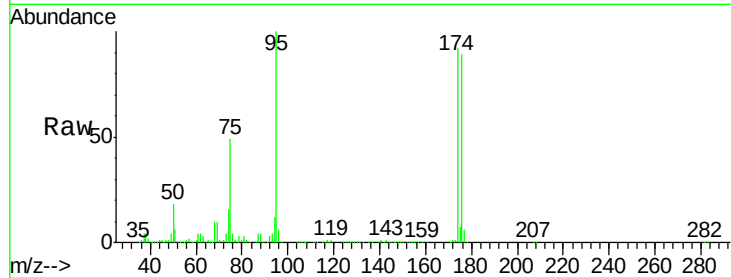
Tot Ion: 83 Resp: 448

Ion Ratio Lower Upper

83 100

131 196.9 5.0 15.0#

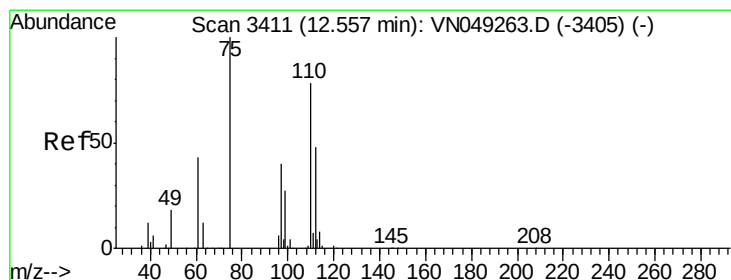
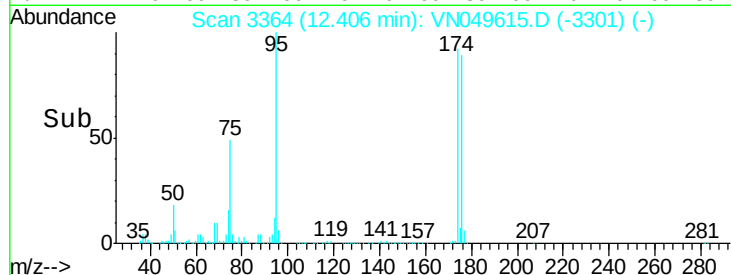
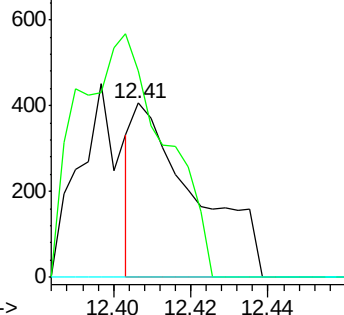
85 0.0 32.0 96.0#



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



#76

1,2,3-Trichloropropane

Concen: 33.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049615.D

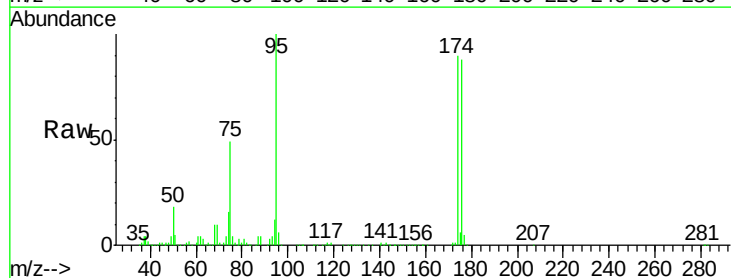
Acq: 29 Jun 2018 3:00

Tgt Ion: 75 Resp: 340192

Ion Ratio Lower Upper

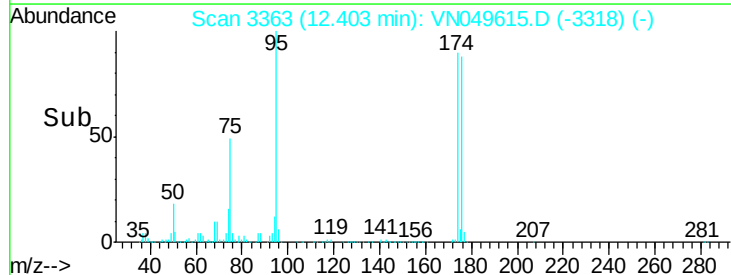
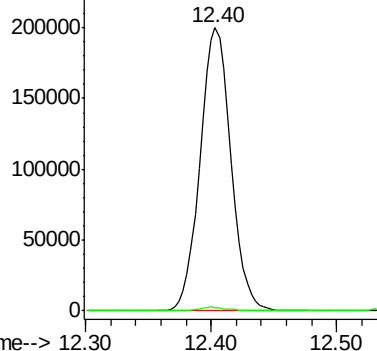
75 100

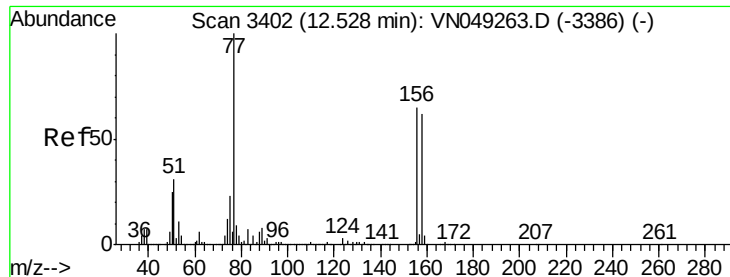
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 0.42 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

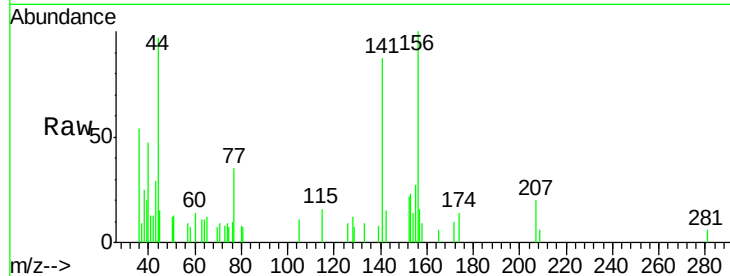
Tot Ion:156 Resp: 5772

Ion Ratio Lower Upper

156 100

77 12.3 100.8 302.4#

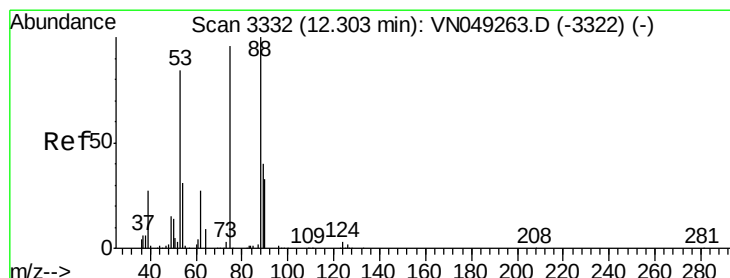
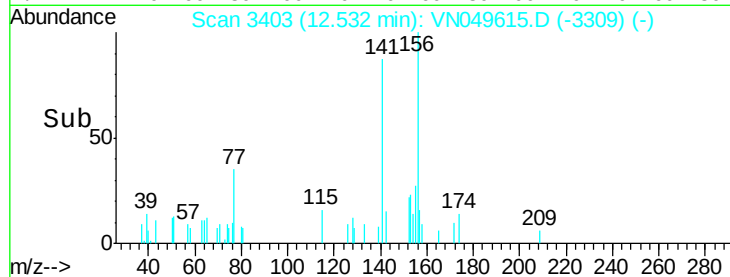
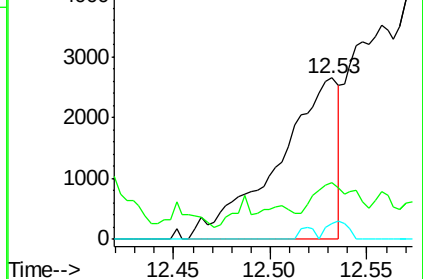
158 3.9 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 105.91 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

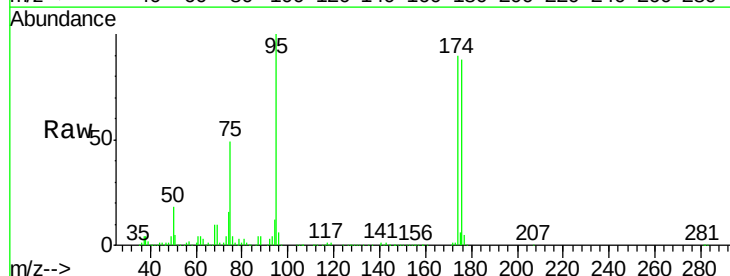
Tgt Ion: 75 Resp: 340192

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

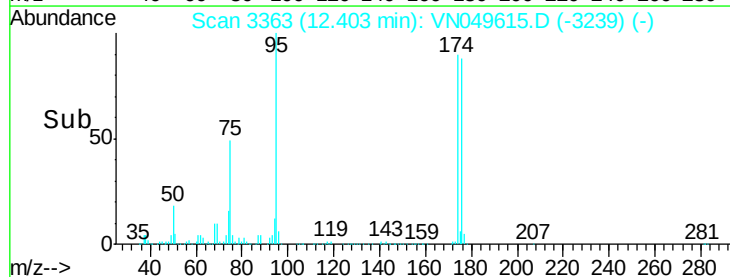
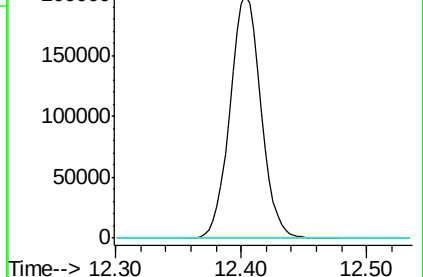
89 0.0 36.5 54.7#

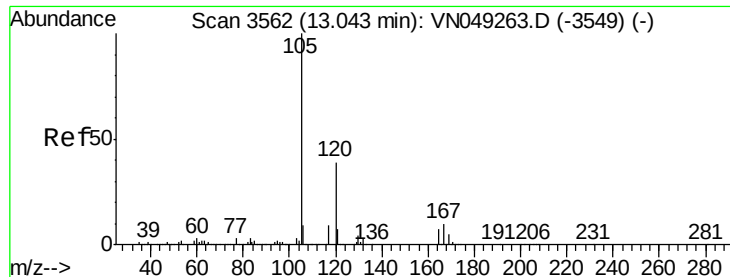


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.28 ua/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

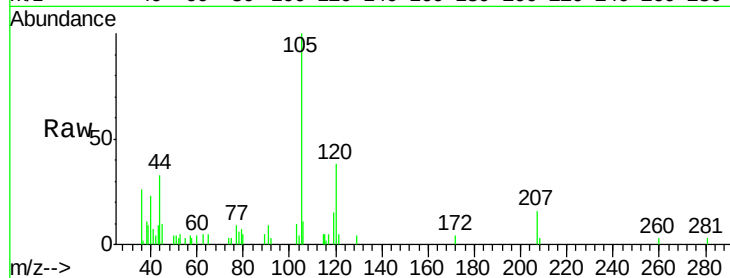
ClientSampleId :

Tot Ion:105 Resp: 11361

Ion Ratio Lower Upper

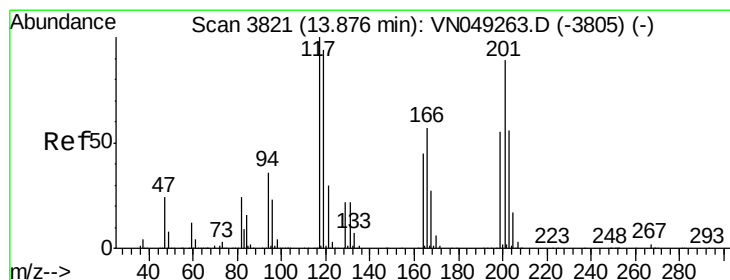
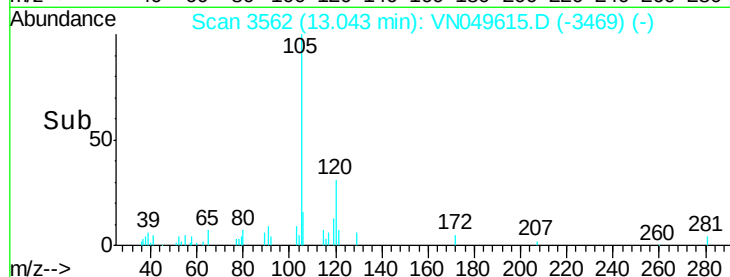
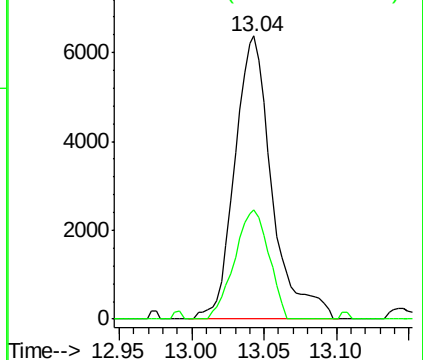
105 100

120 35.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN049615.D

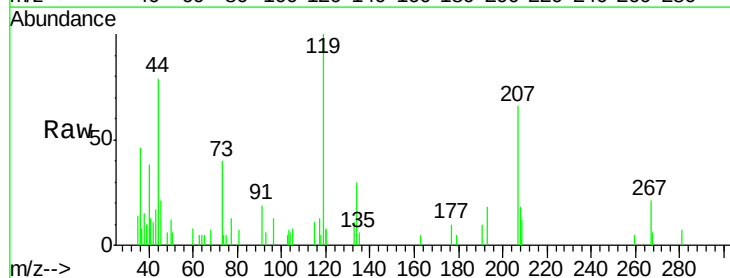
Acq: 29 Jun 2018 3:00

Tgt Ion:117 Resp: 671

Ion Ratio Lower Upper

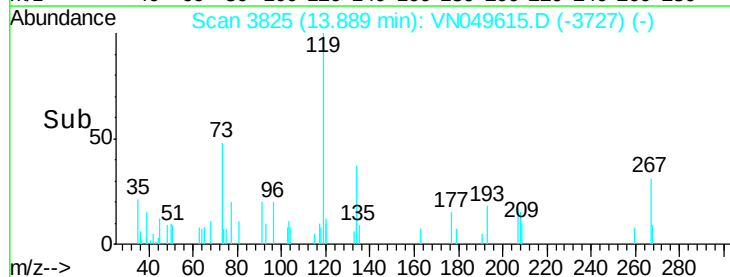
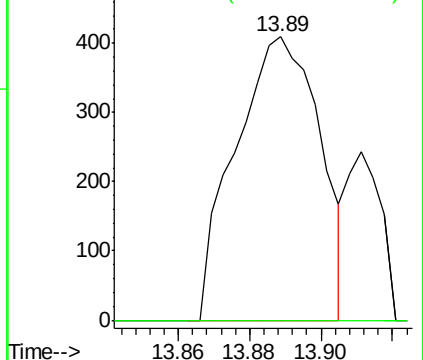
117 100

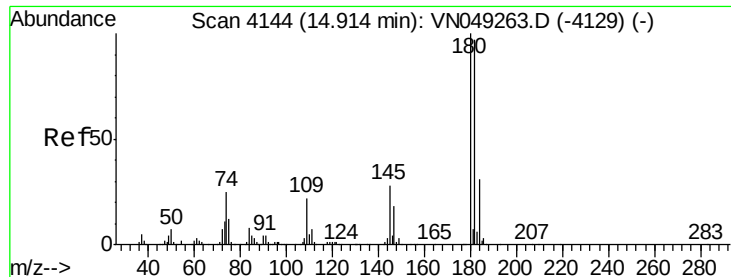
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

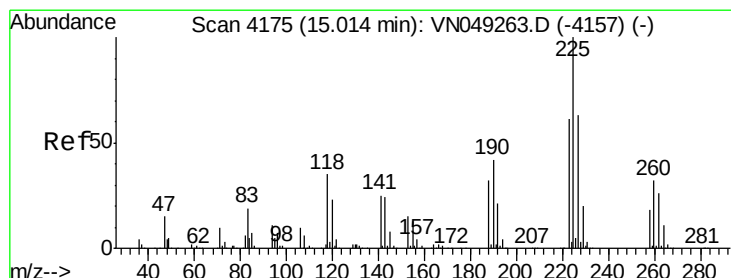
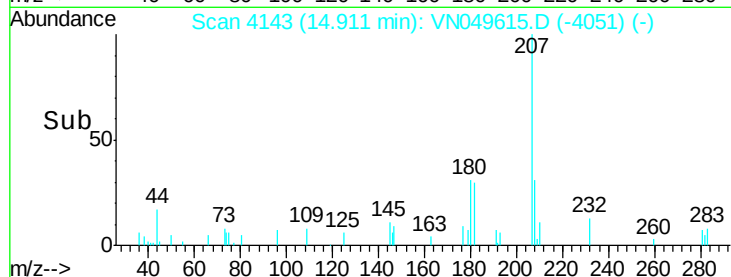
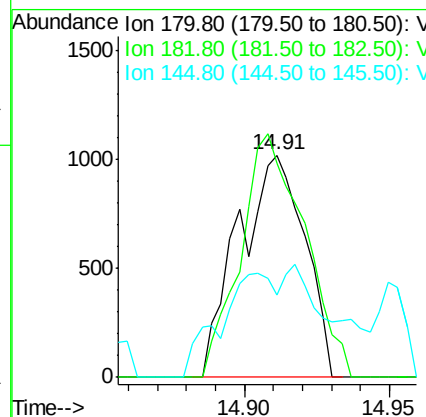
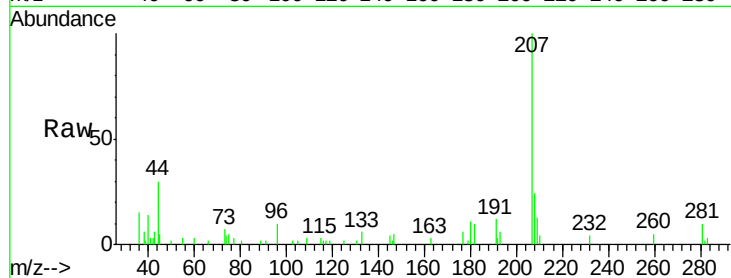




#93
 1,2,4-Trichlorobenzene
 Concen: 4.89 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049615.D
 Acq: 29 Jun 2018 3:00

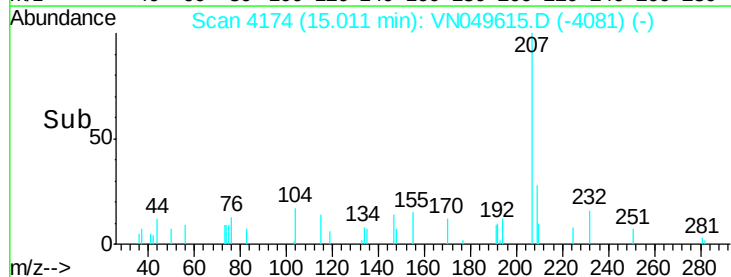
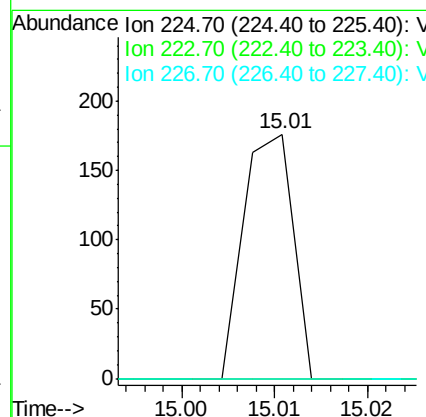
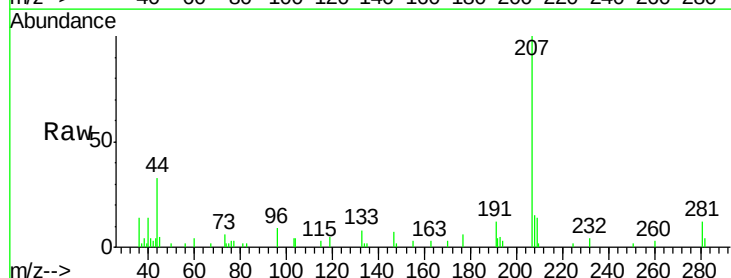
Instrument :
 MSVOA_N
 ClientSampled :

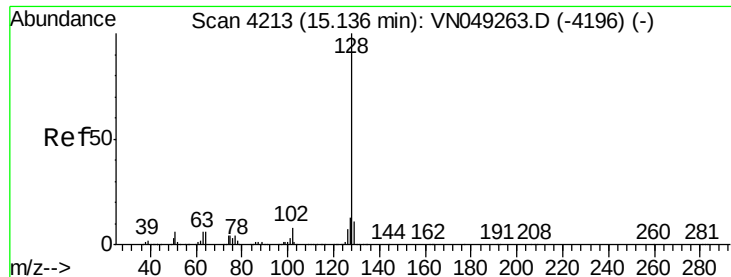
Tot Ion:180 Resp: 1627
 Ion Ratio Lower Upper
 180 100
 182 105.5 46.9 140.8
 145 39.3 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049615.D
 Acq: 29 Jun 2018 3:00

Tgt Ion:225 Resp: 65
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.1 96.3#
 227 0.0 31.8 95.3#





#95

Naphthalene

Concen: 33.69 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

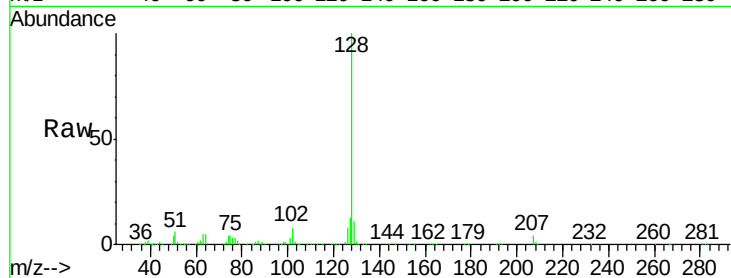
Tot Ion:128 Resp: 570916

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

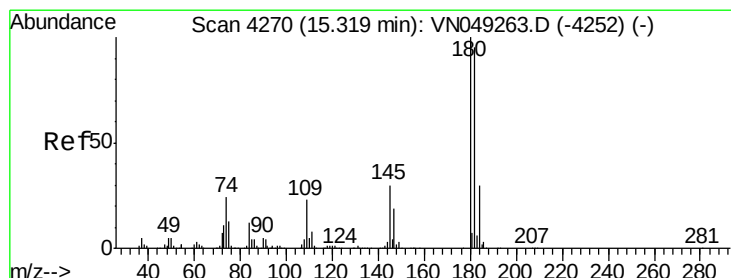
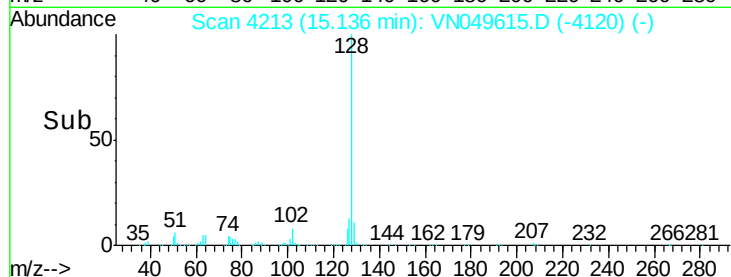
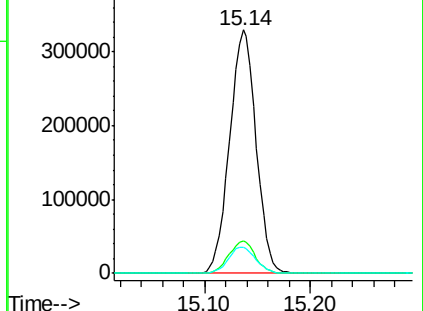
129 11.2 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.56 ug/l

RT: 15.31 min Scan# 4267

Delta R.T. -0.01 min

Lab File: VN049615.D

Acq: 29 Jun 2018 3:00

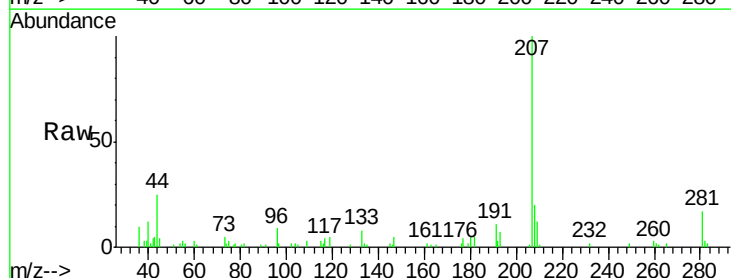
Tgt Ion:180 Resp: 1052

Ion Ratio Lower Upper

180 100

182 106.5 47.3 141.8

145 48.7 15.6 46.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

