

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
 Data File : VN050843.D
 Acq On : 23 Aug 2018 11:04
 Operator : MD\SY
 Sample : J4609-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:08:26 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	720359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1027364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	865542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300519	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	415108	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
35) Dibromofluoromethane	7.59	113	404413	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.09	98	1417577	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
62) 4-Bromofluorobenzene	12.40	95	398435	39.24	ug/l	0.00
Spiked Amount			Recovery	=	78.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3651	0.31	ug/l #	84
5) Bromomethane	2.57	94	4456	Below Cal		87
10) Methyl Iodide	3.95	142	756	6.42	ug/l #	47
11) Tert butyl alcohol	4.78	59	1103	2.00	ug/l #	72
13) Acrolein	3.81	56	453	19.22	ug/l #	1
14) Allyl chloride	4.27	41	2688	0.21	ug/l #	35
16) Acetone	3.82	43	3585519	1789.49	ug/l	99
17) Carbon Disulfide	4.05	76	7672	0.28	ug/l	95
18) Methyl Acetate	4.33	43	2310	0.28	ug/l #	70
20) Methylene Chloride	4.55	84	4222	0.43	ug/l	93
25) 2-Butanone	6.84	43	3957801	1132.48	ug/l	99
28) Bromochloromethane	7.22	49	7568	1.10	ug/l #	10
29) Tetrahydrofuran	7.21	42	4233821	2112.98	ug/l	98
31) Cyclohexane	7.67	56	11555	1.24	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46182	3.81	ug/l #	49
37) Ethyl Acetate	6.84	43	3957801	568.32	ug/l #	67
38) Carbon Tetrachloride	7.67	117	63280	5.16	ug/l #	17
41) Methacrylonitrile	7.21	41	2279486	604.83	ug/l #	34
43) Isopropyl Acetate	8.26	43	19773	1.65	ug/l #	58
49) 1,4-Dioxane	9.21	88	30	0.36	ug/l #	24
51) 4-Methyl-2-Pentanone	9.99	43	7907	1.11	ug/l	96
52) Toluene	10.16	92	10590	0.49	ug/l	98
56) Ethyl methacrylate	10.43	69	95	2.36	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.71	63	63	12.23	ug/l #	47
59) 2-Hexanone	10.75	43	2953	0.62	ug/l	93
67) Ethyl Benzene	11.51	91	8512	0.23	ug/l	94
68) m/p-Xylenes	11.62	106	9607	0.69	ug/l	100
69) o-Xylene	11.95	106	8611	0.64	ug/l	96
70) Styrene	11.95	104	1863	1.35	ug/l #	22
71) Bromoform	12.40	173	1391	0.24	ug/l #	1
73) Isopropylbenzene	12.25	105	5135	0.21	ug/l	94
74) N-amyl acetate	12.03	43	87205	13.95	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.51	83	305	Below Cal	#	63
76) 1,2,3-Trichloropropane	12.40	75	185604	35.26	ug/l #	100

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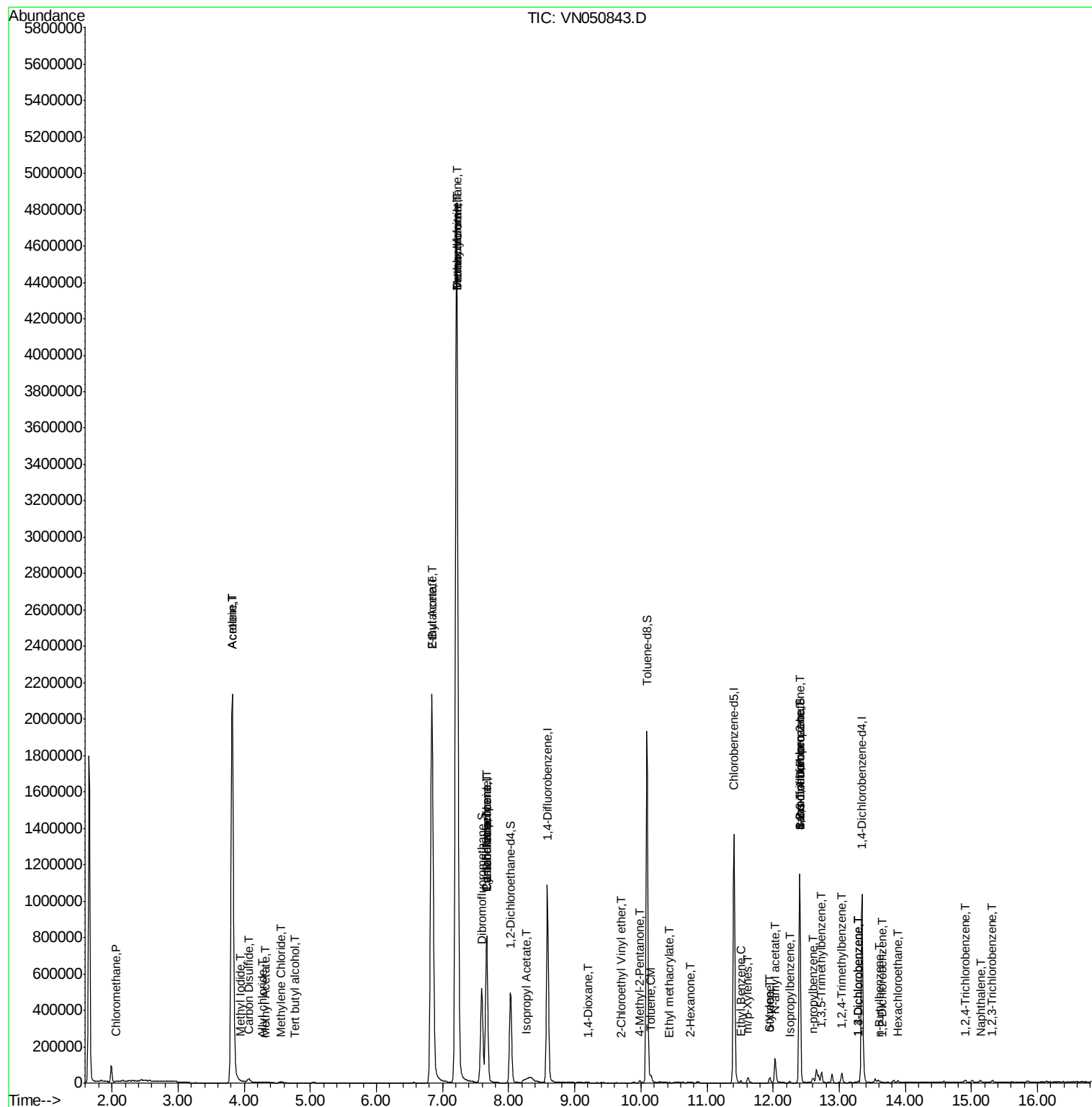
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	12.59	91	13594	0.49	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	30957	1.54	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	185604	119.21	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	29133	1.44	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	2476	0.22	ug/l	99
88) 1,4-Dichlorobenzene	13.29	146	2476	0.22	ug/l	99
89) n-Butylbenzene	13.61	91	3623	0.23	ug/l #	74
90) Hexachloroethane	13.89	117	863	0.42	ug/l #	16
91) 1,2-Dichlorobenzene	13.65	146	2268	0.20	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	3128	4.58	ug/l	90
94) Hexachlorobutadiene	15.01	225	1984	Below	Cal	96
95) Naphthalene	15.13	128	7151	5.93	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	3385	3.88	ug/l	92

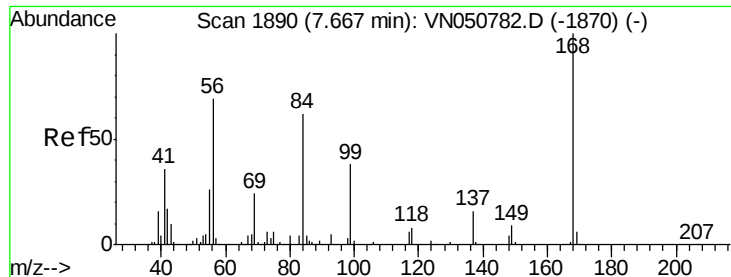
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

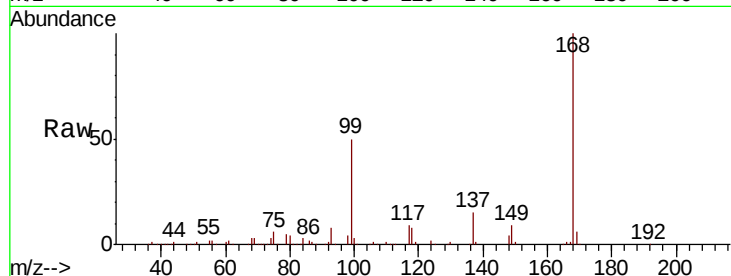
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 720359

Ion Ratio Lower Upper

168 100

99 49.8 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

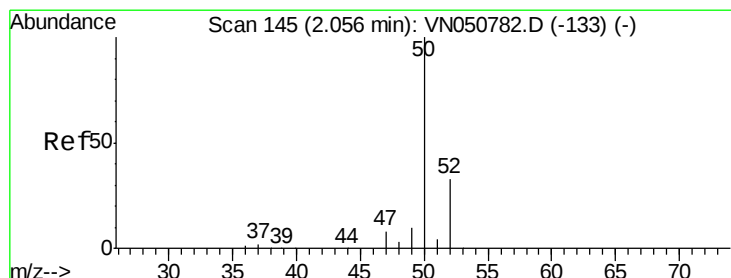
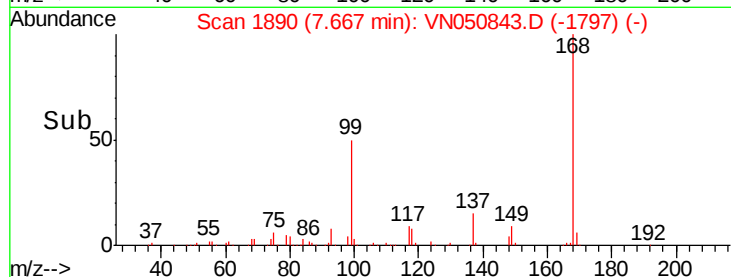
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.31 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050843.D

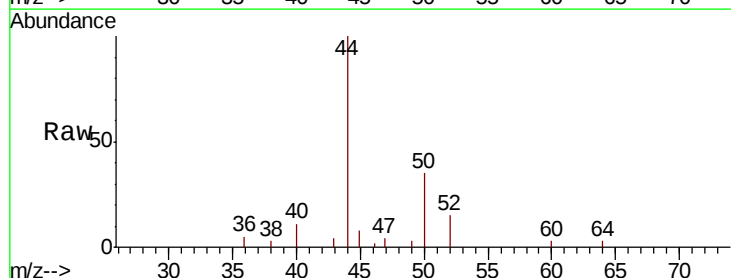
Acq: 23 Aug 2018 11:04

Tgt Ion: 50 Resp: 3651

Ion Ratio Lower Upper

50 100

52 41.7 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2500

2000

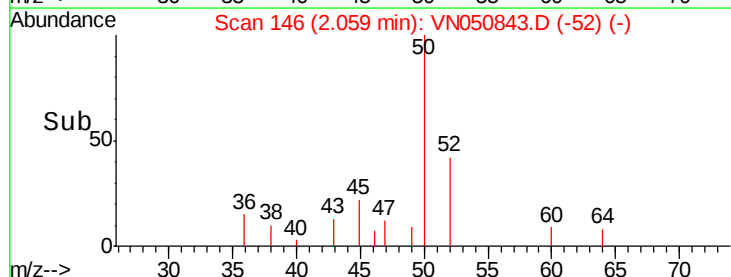
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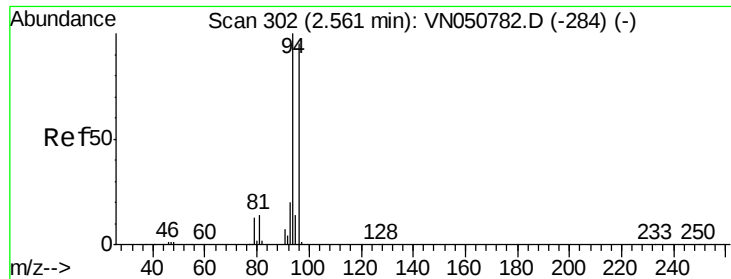
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

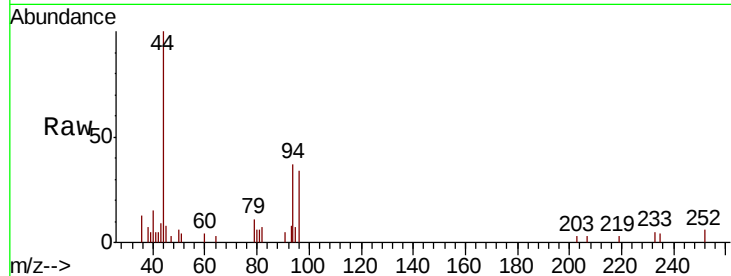
ClientSampled :

Tot Ion: 94 Resp: 4456

Ion Ratio Lower Upper

94 100

96 82.7 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2000

1500

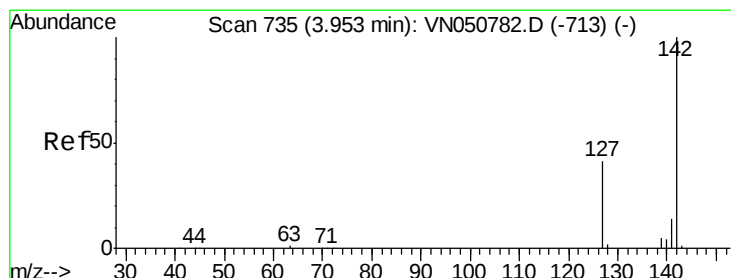
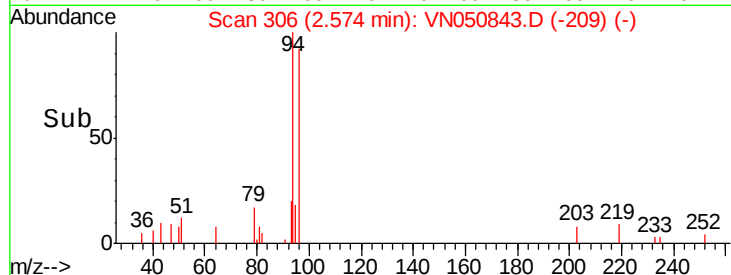
1000

500

0

2.50 2.55 2.60 2.65

Time-->



#10

Methyl Iodide

Concen: 6.42 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.01 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

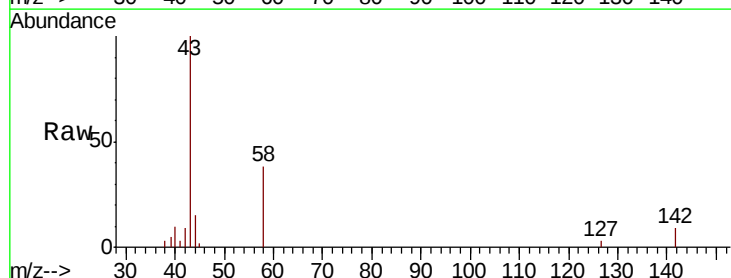
Tgt Ion: 142 Resp: 756

Ion Ratio Lower Upper

142 100

127 81.1 31.7 47.5#

141 8.3 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

800

600

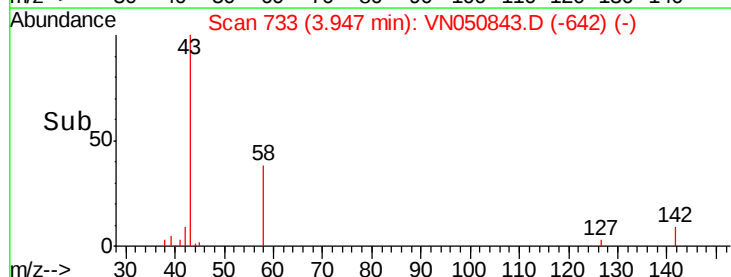
400

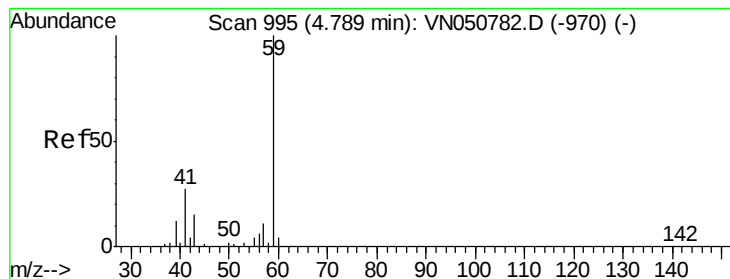
200

0

3.92 3.94 3.96

Time-->



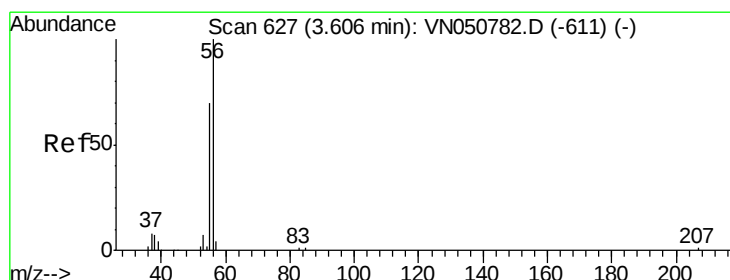
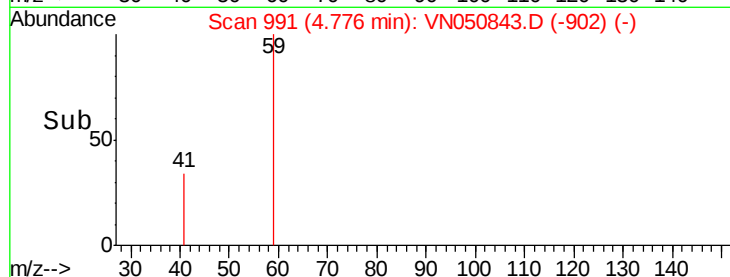
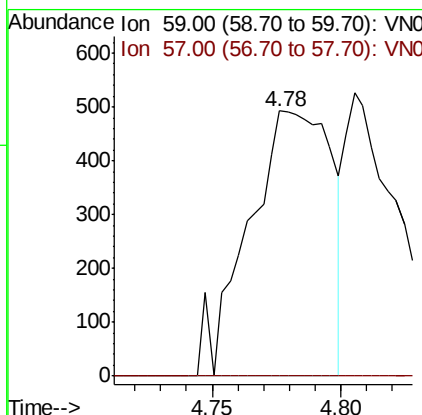
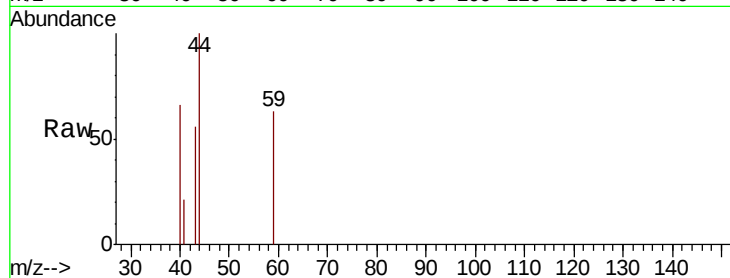


#11

Tert butyl alcohol
 Concen: 2.00 ug/l
 RT: 4.78 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VN050843.D
 Acq: 23 Aug 2018 11:04

Instrument :
 MSVOA_N
 ClientSampled :

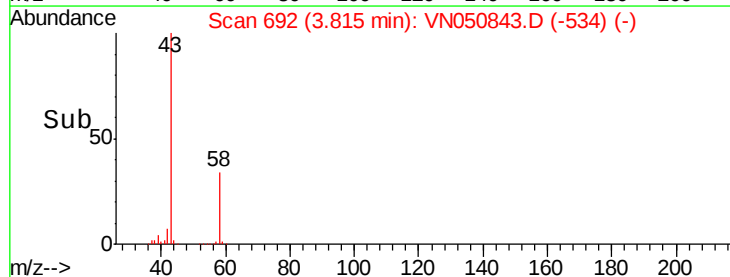
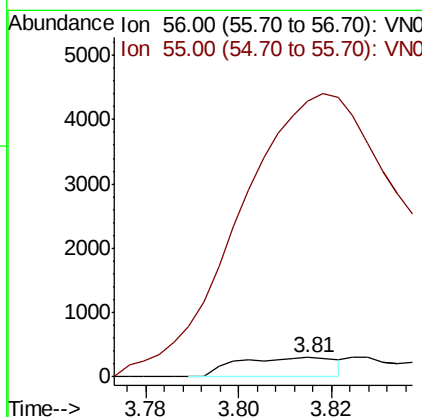
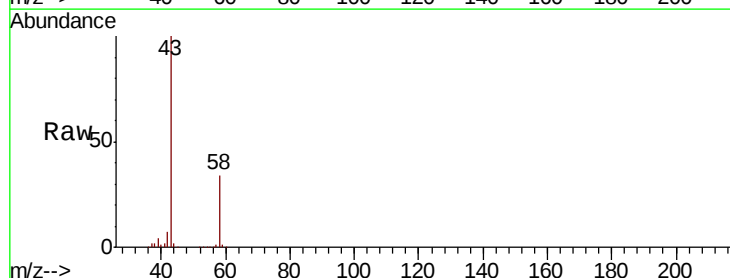
Tot Ion: 59 Resp: 1103
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

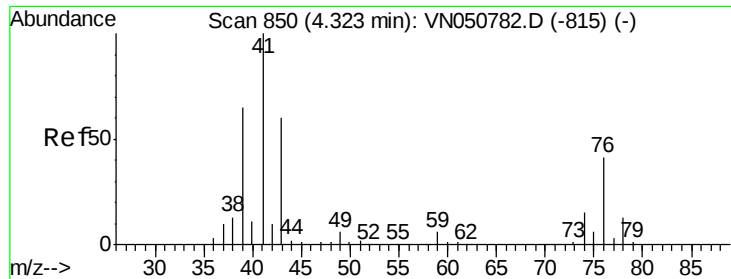


#13

Acrolein
 Concen: 19.22 ug/l
 RT: 3.81 min Scan# 692
 Delta R.T. 0.21 min
 Lab File: VN050843.D
 Acq: 23 Aug 2018 11:04

Tgt Ion: 56 Resp: 453
 Ion Ratio Lower Upper
 56 100
 55 2518.1 57.7 86.5#





#14

Allvl chloride

Concen: 0.21 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.05 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

ClientSampled :

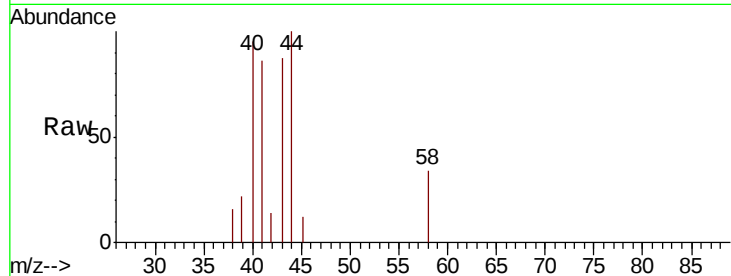
Tot Ion: 41 Resp: 2688

Ion Ratio Lower Upper

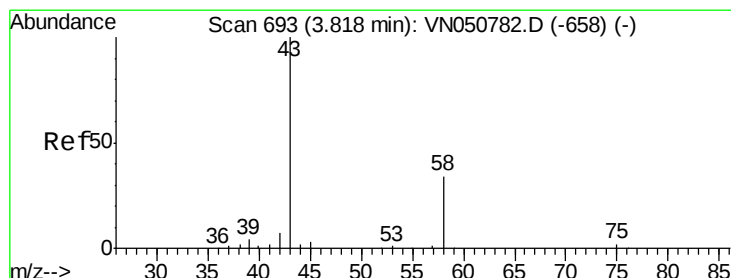
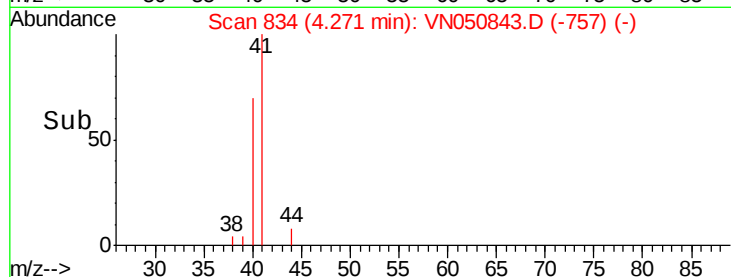
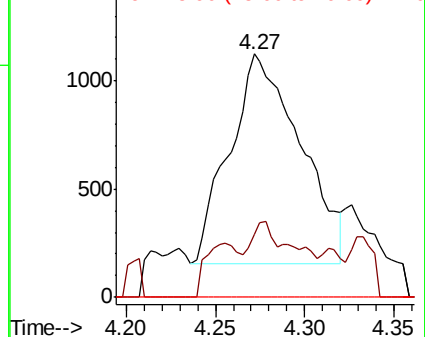
41 100

39 11.7 50.2 75.2#

76 0.0 29.8 44.8#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: 1789.49 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050843.D

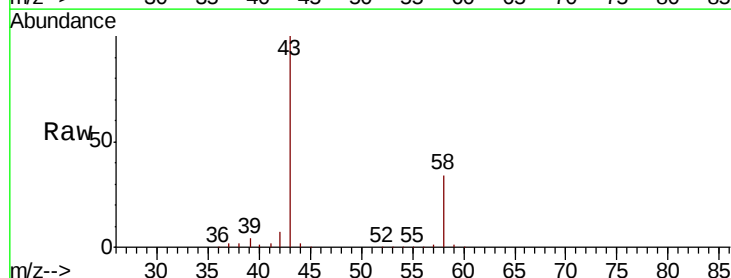
Acq: 23 Aug 2018 11:04

Tgt Ion: 43 Resp: 3585519

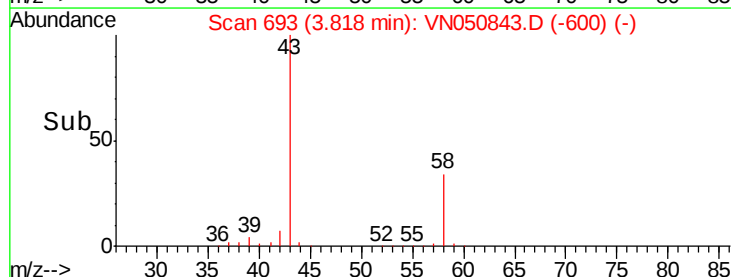
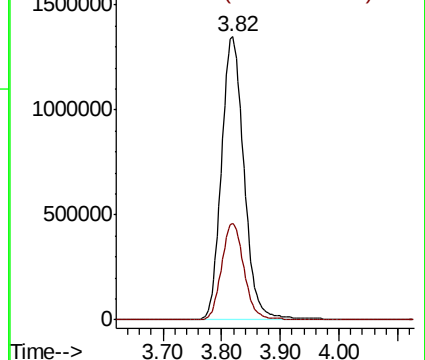
Ion Ratio Lower Upper

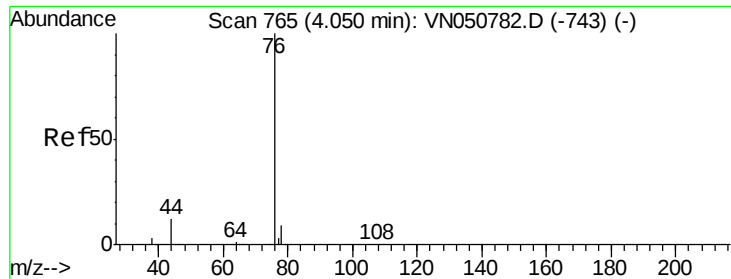
43 100

58 34.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

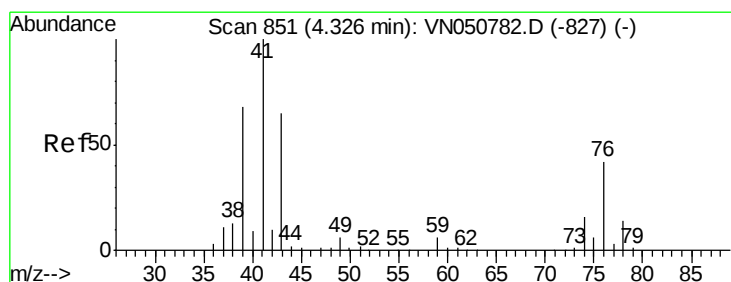
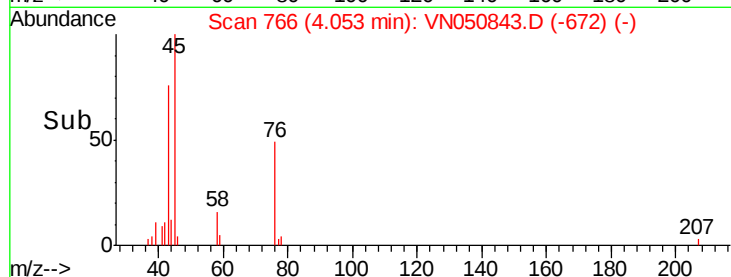
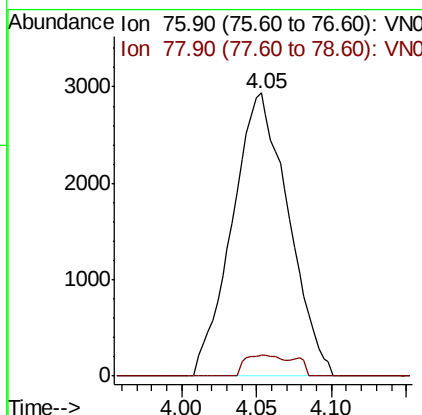
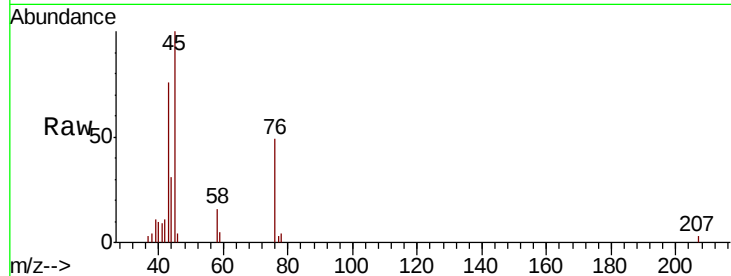




#17
Carbon Disulfide
Concen: 0.28 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

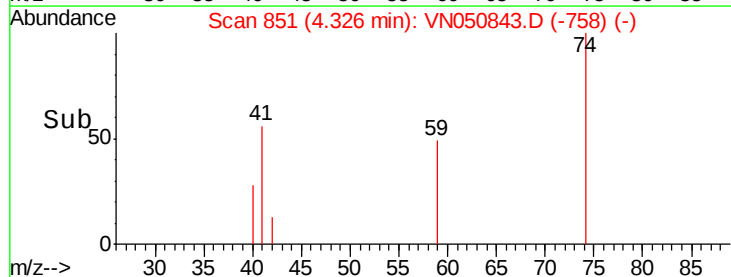
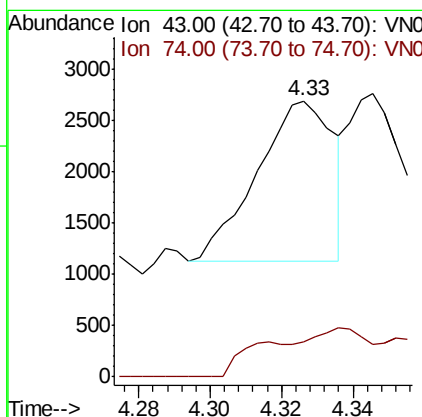
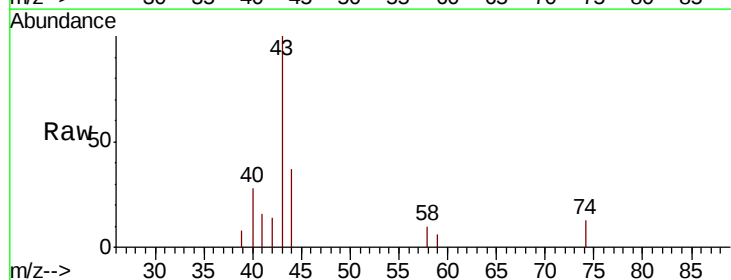
Instrument :
MSVOA_N
ClientSampled :

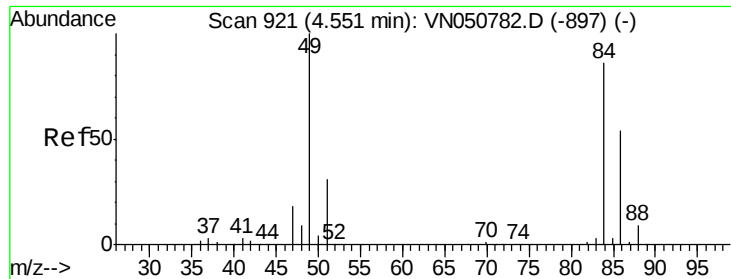
Tot Ion: 76 Resp: 7672
Ion Ratio Lower Upper
76 100
78 7.4 7.3 10.9



#18
Methyl Acetate
Concen: 0.28 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
74 9.6 19.8 29.8#



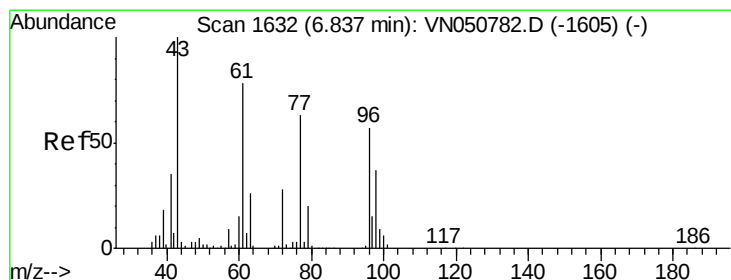
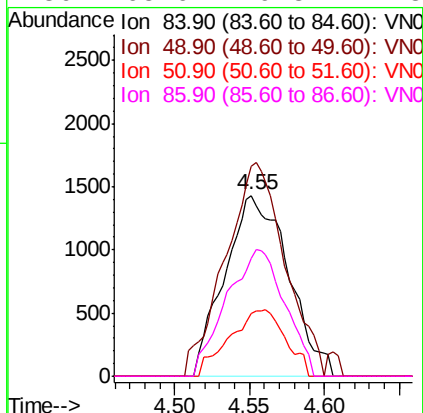
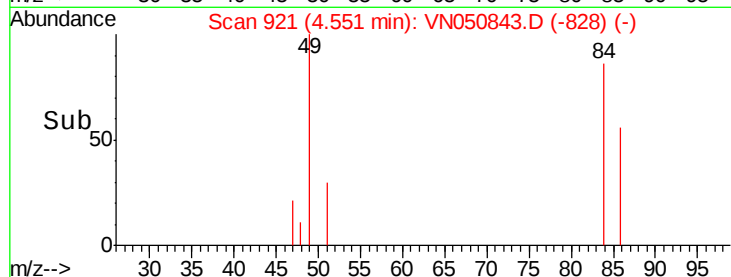
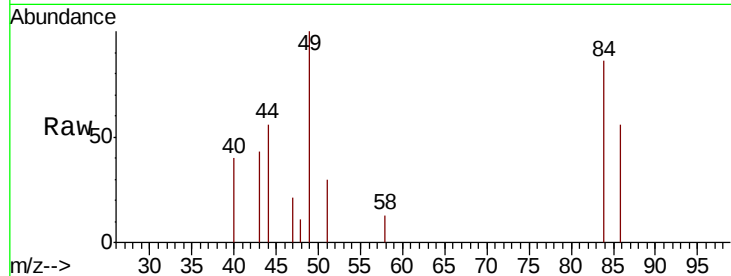


#20
Methvlene Chloride
Concen: 0.43 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 4222

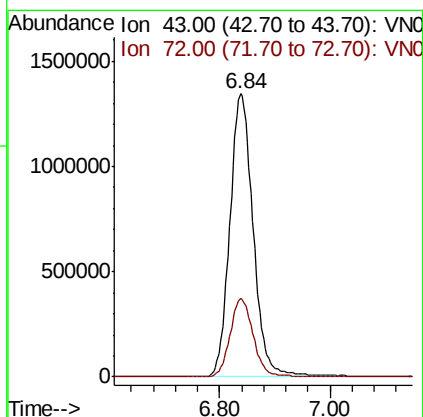
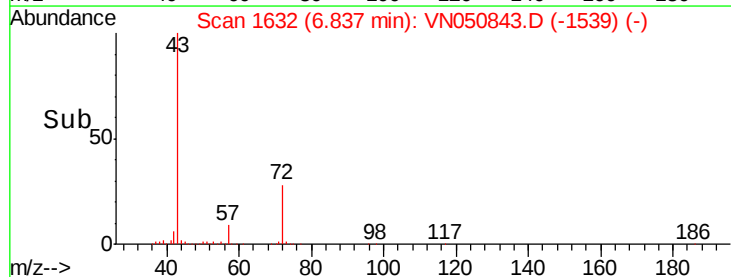
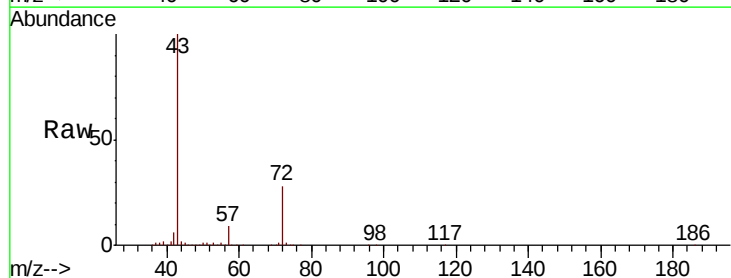
Ion	Ratio	Lower	Upper
84	100		
49	104.8	93.2	139.8
51	34.8	29.0	43.6
86	65.6	49.8	74.8

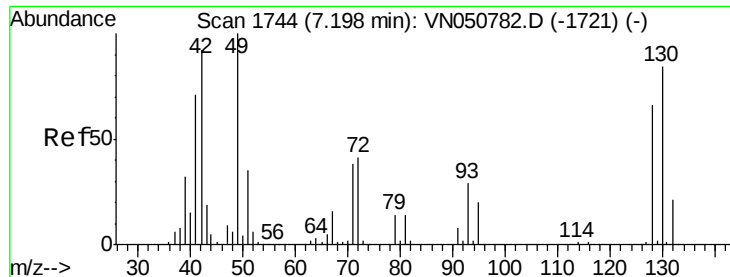


#25
2-Butanone
Concen: 1132.48 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

Tgt Ion: 43 Resp: 3957801

Ion	Ratio	Lower	Upper
43	100		
72	27.6	22.3	33.5





#28

Bromochloromethane

Concen: 1.10 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.02 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :
MSVOA_N
ClientSampleId :

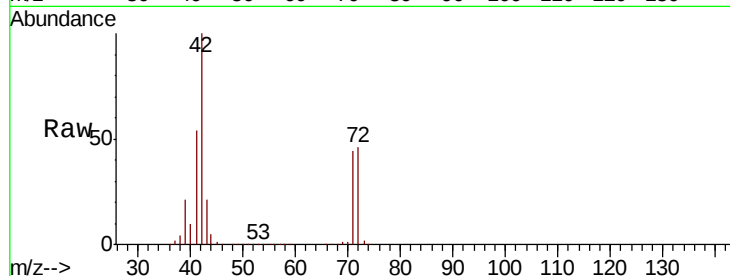
Tot Ion: 49 Resp: 7568

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

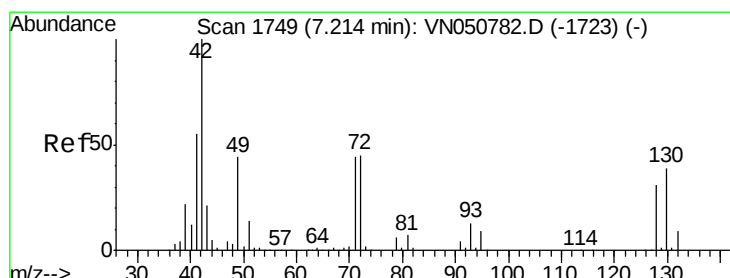
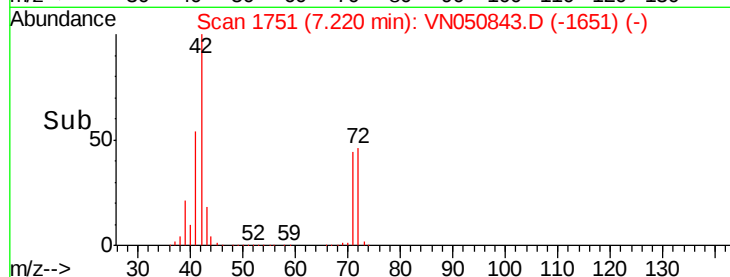
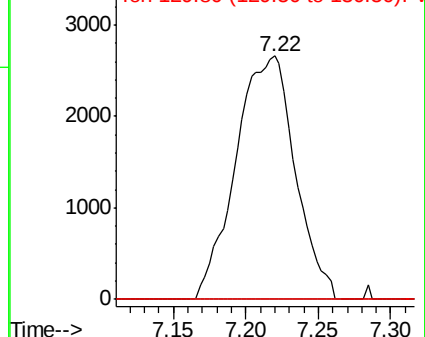
130 0.0 67.1 100.7#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 2112.98 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

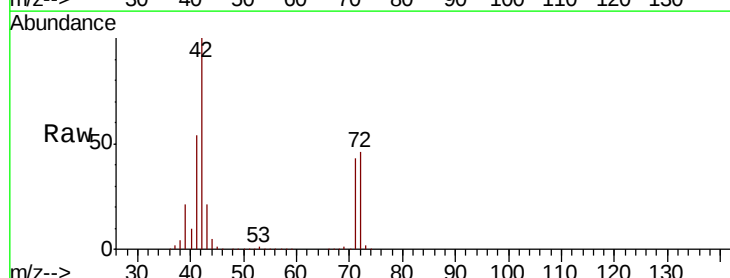
Tgt Ion: 42 Resp: 4233821

Ion Ratio Lower Upper

42 100

72 45.8 35.5 53.3

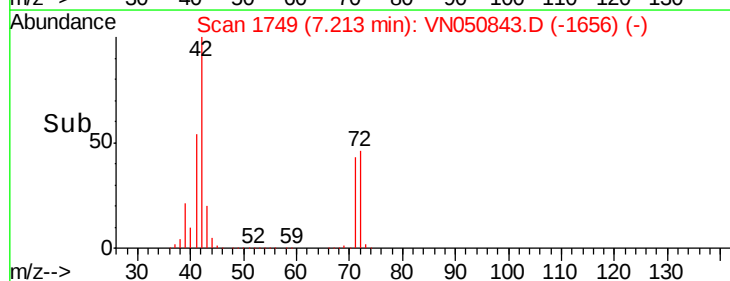
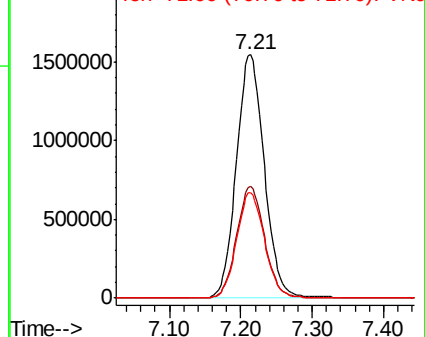
71 43.4 33.7 50.5

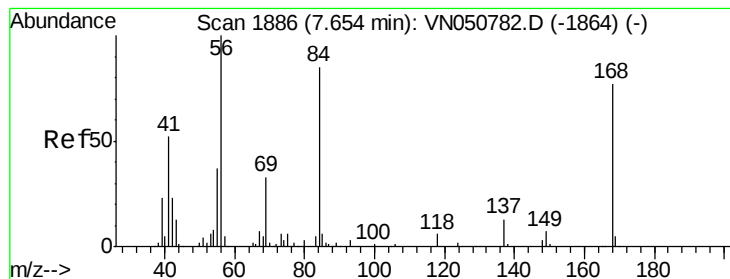


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 1.24 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :
MSVOA_N
ClientSampleId :

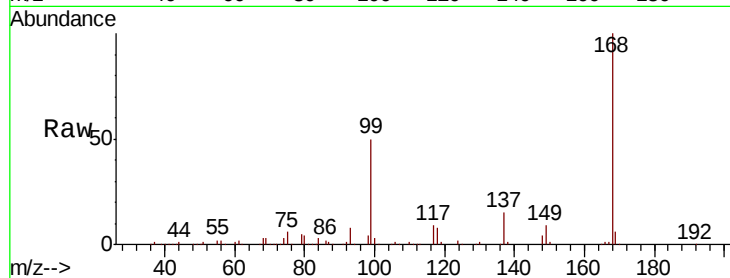
Tot Ion: 56 Resp: 11555

Ion Ratio Lower Upper

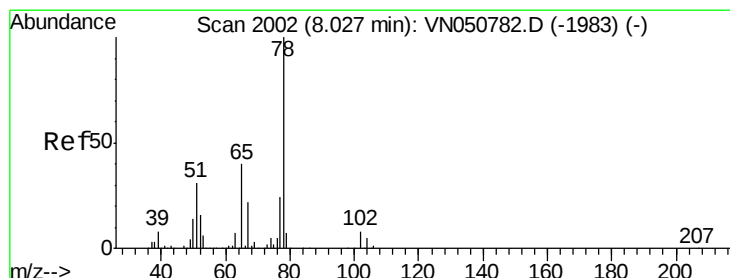
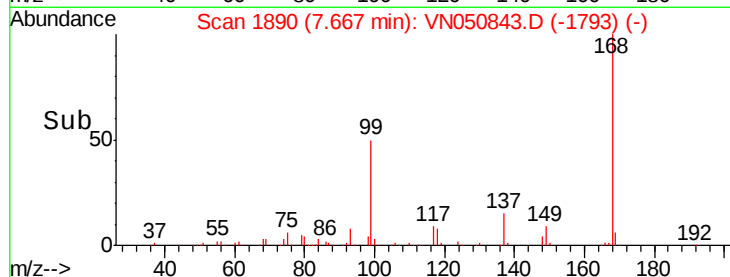
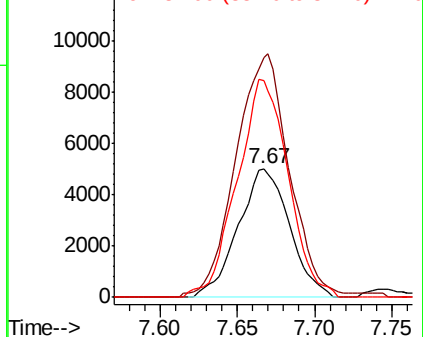
56 100

69 183.8 26.2 39.4#

84 168.5 68.3 102.5#



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



#33

1,2-Dichloroethane-d4

Concen: 47.87 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050843.D

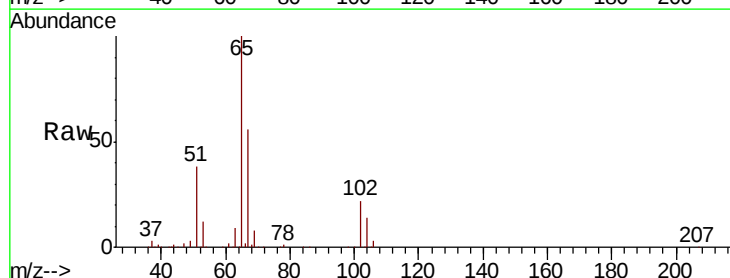
Acq: 23 Aug 2018 11:04

Tgt Ion: 65 Resp: 415108

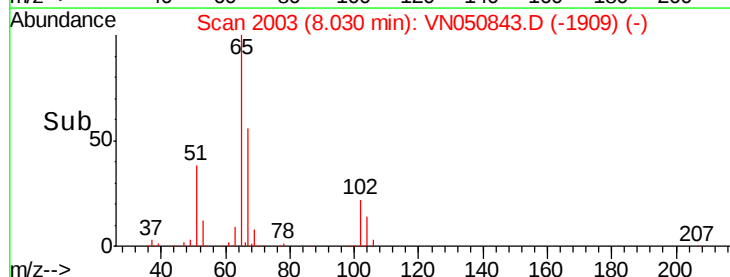
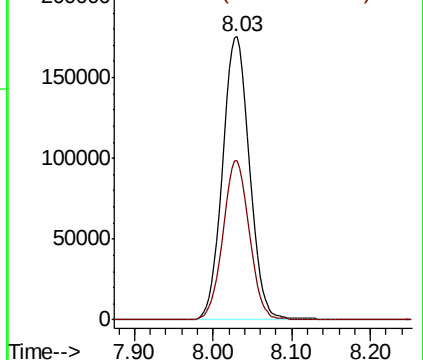
Ion Ratio Lower Upper

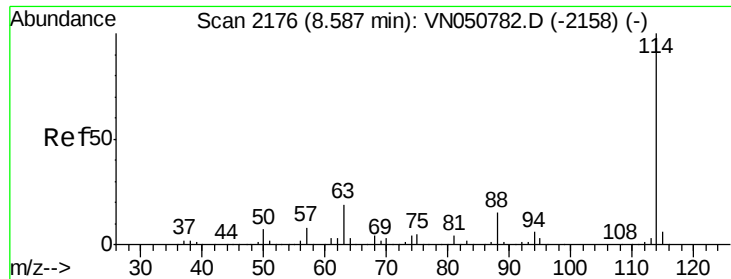
65 100

67 55.1 0.0 110.4



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

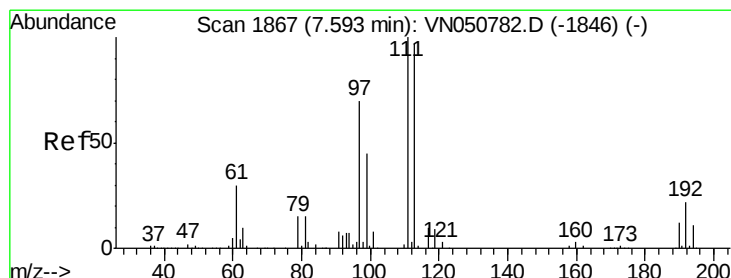
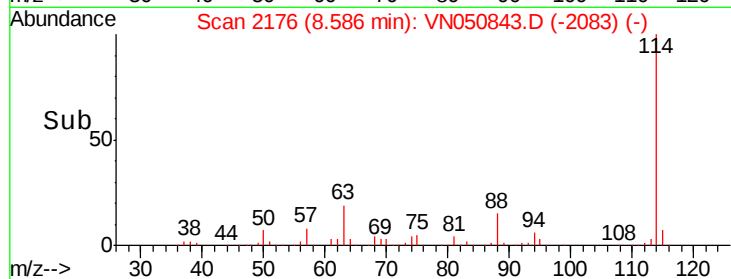
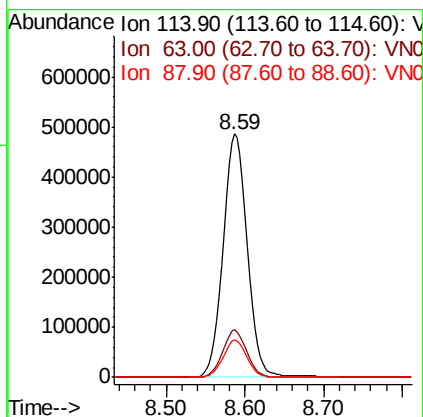
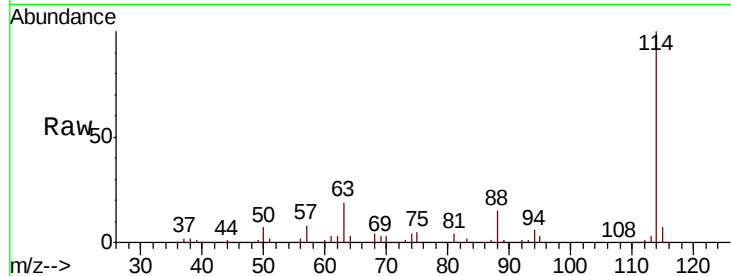




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050843.D
 Acq: 23 Aug 2018 11:04

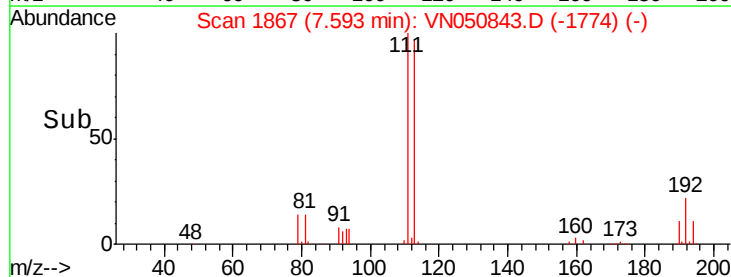
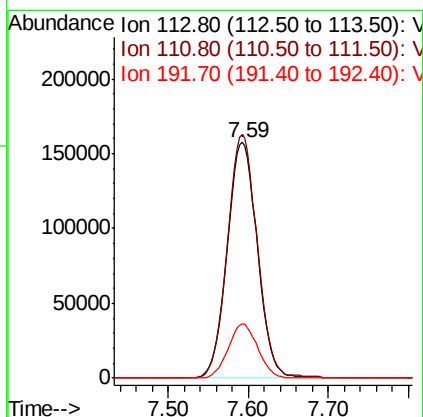
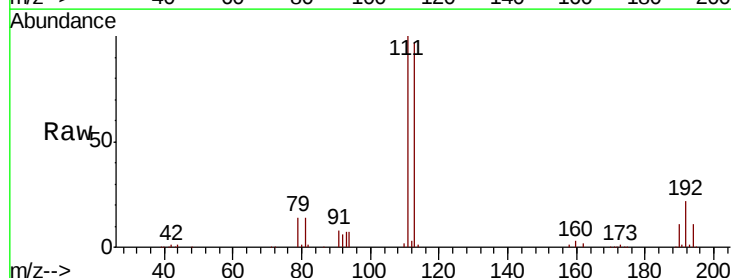
Instrument :
 MSVOA_N
 ClientSampleId :

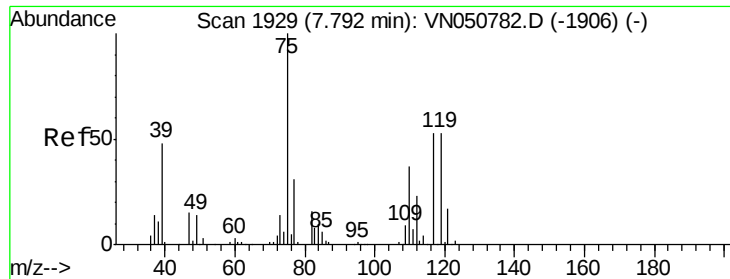
Tot Ion:114 Resp: 1027364
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.4 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 49.48 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050843.D
 Acq: 23 Aug 2018 11:04

Tgt Ion:113 Resp: 404413
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 123.8
 192 22.5 18.0 27.0

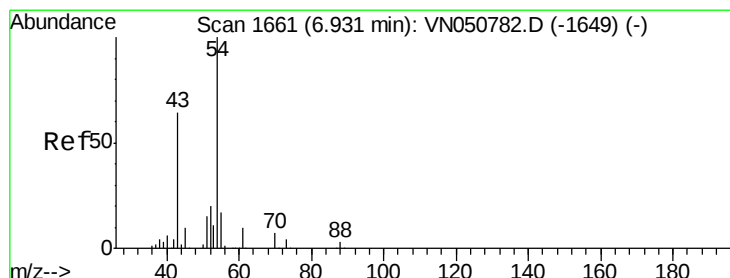
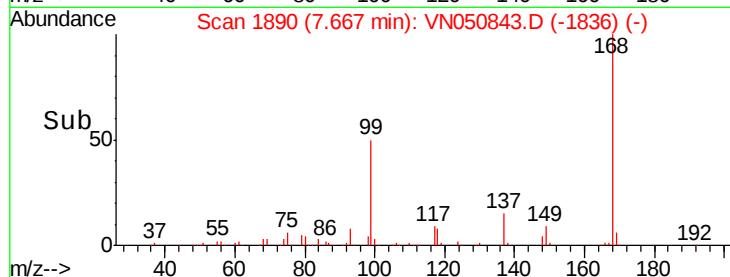
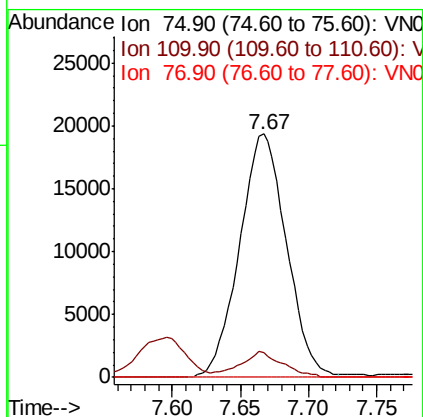
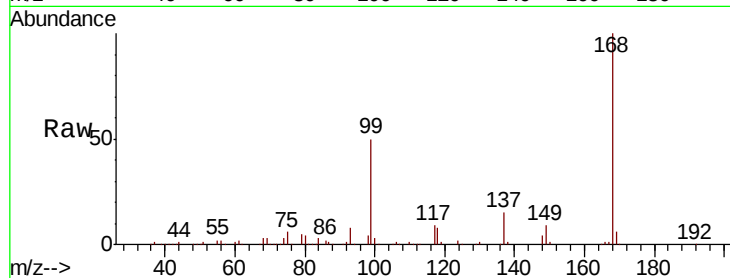




#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050843.D
 Acq: 23 Aug 2018 11:04

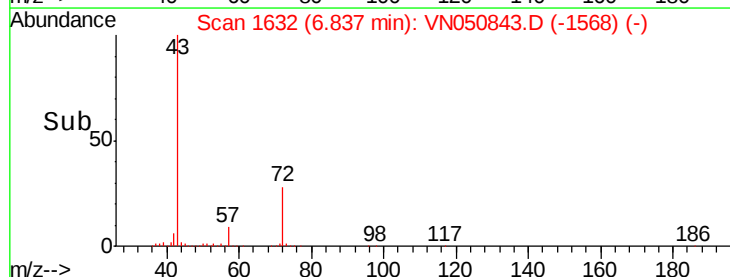
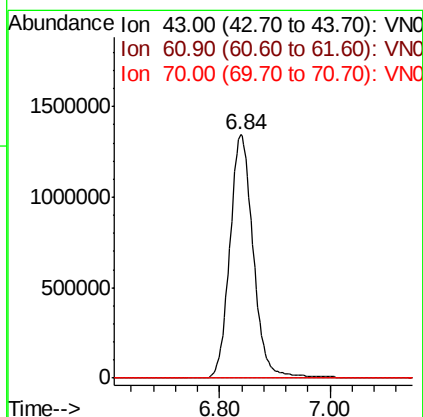
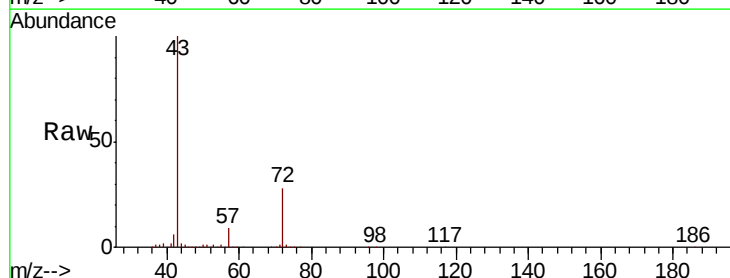
Instrument :
 MSVOA_N
 ClientSampled :

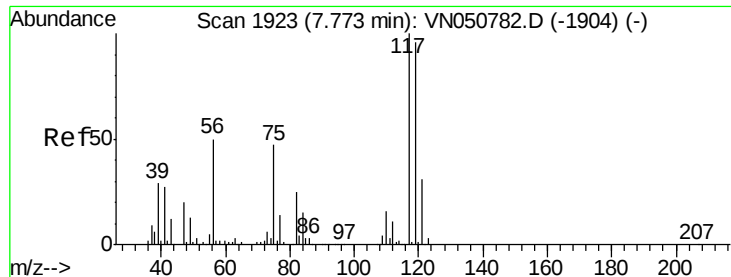
Tot Ion: 75 Resp: 46182
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.1 54.4#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 568.32 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.09 min
 Lab File: VN050843.D
 Acq: 23 Aug 2018 11:04

Tgt Ion: 43 Resp: 3957801
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.0 18.0#
 70 0.2 8.6 13.0#

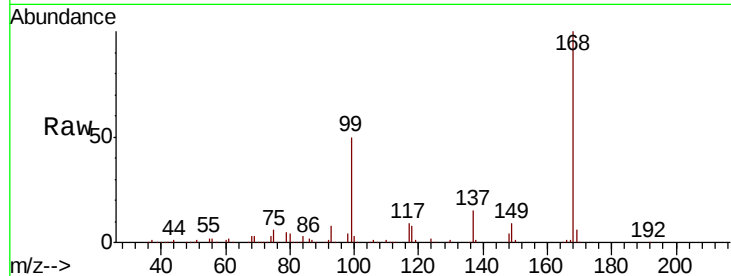




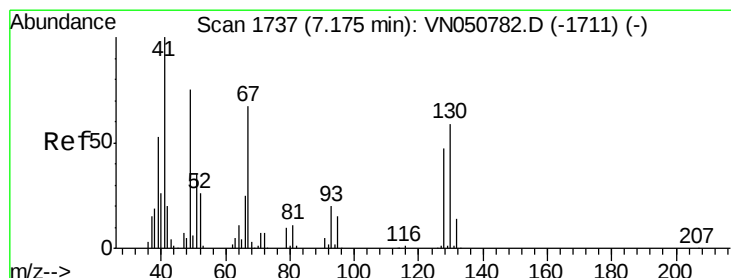
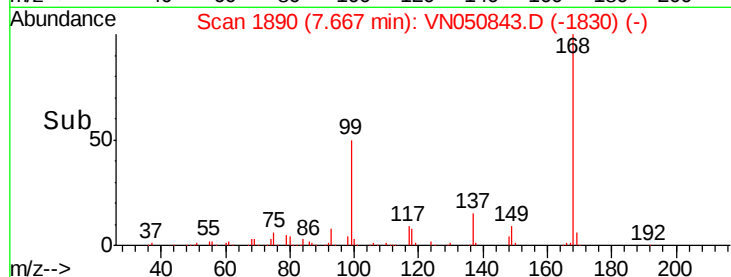
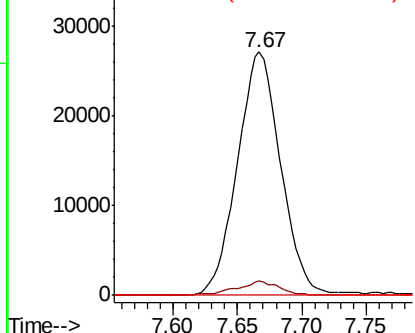
#38
Carbon Tetrachloride
Concen: 5.16 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 63280
Ion Ratio Lower Upper
117 100
119 5.7 76.3 114.5#
121 0.0 24.6 36.8#

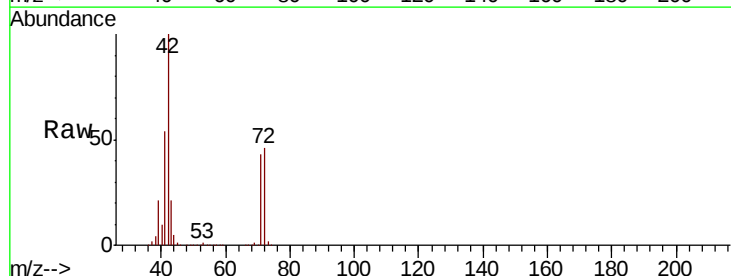


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

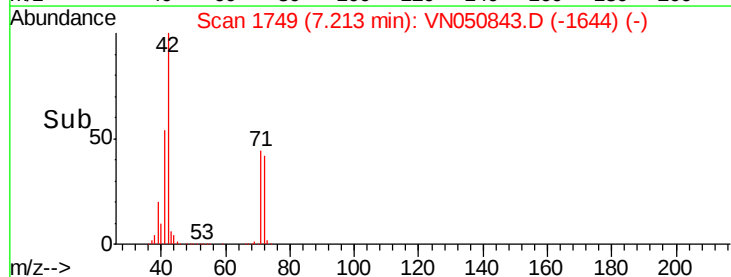
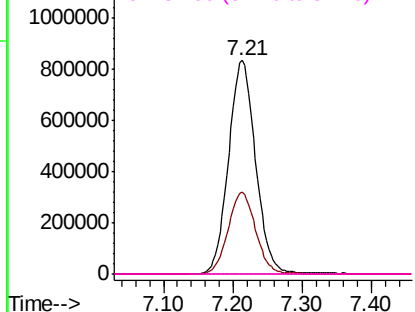


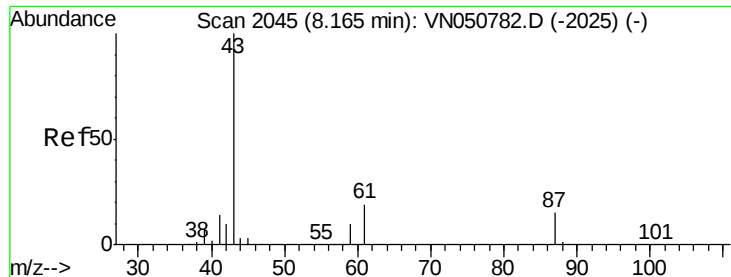
#41
Methacrylonitrile
Concen: 604.83 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.04 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

Tgt Ion: 41 Resp: 2279486
Ion Ratio Lower Upper
41 100
39 39.1 45.4 68.0#
67 0.0 70.6 106.0#
52 0.1 27.1 40.7#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 1.65 ug/l

RT: 8.26 min Scan# 2074

Delta R.T. 0.09 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

ClientSampled :

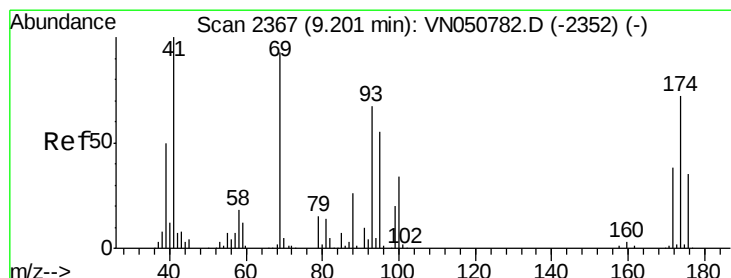
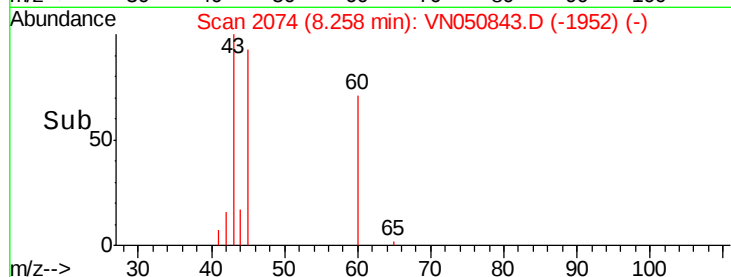
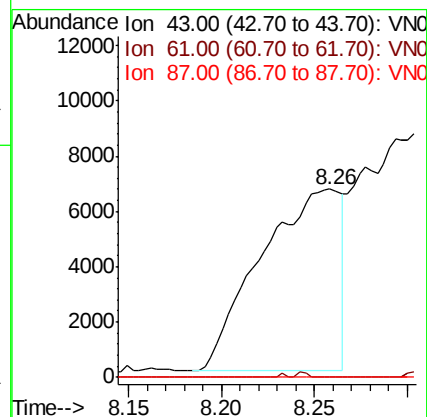
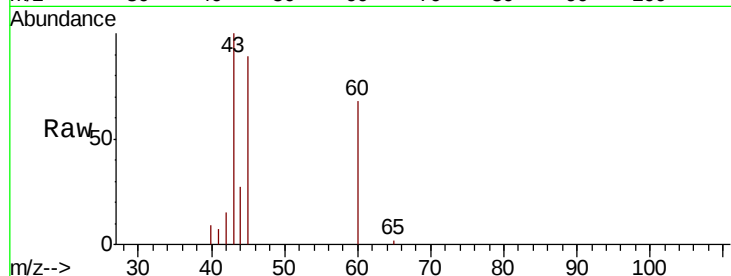
Tot Ion: 43 Resp: 19773

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

87 0.0 11.3 16.9#



#49

1,4-Dioxane

Concen: 0.36 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.01 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

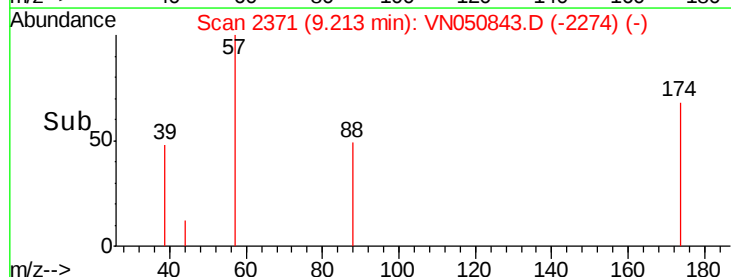
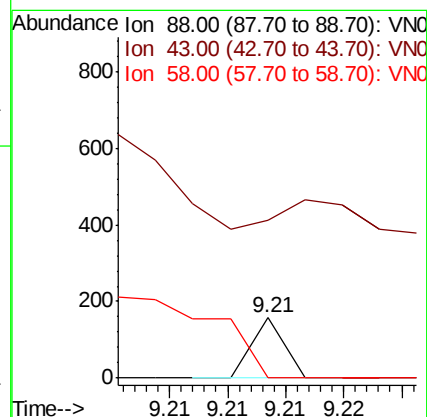
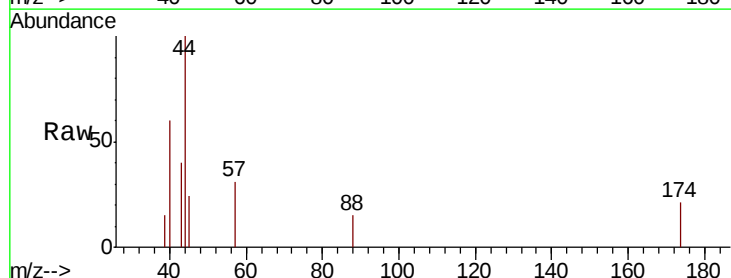
Tgt Ion: 88 Resp: 30

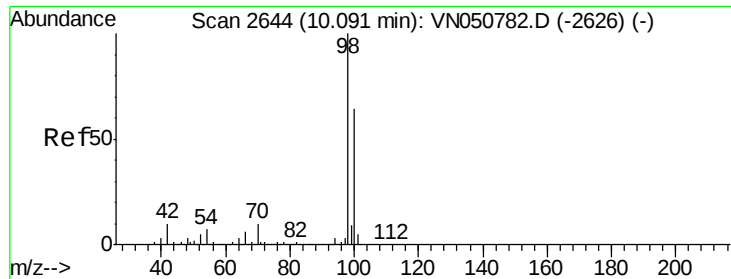
Ion Ratio Lower Upper

88 100

43 0.0 25.9 38.9#

58 0.0 55.0 82.4#

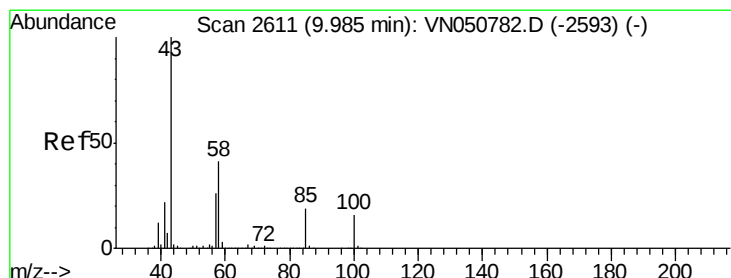
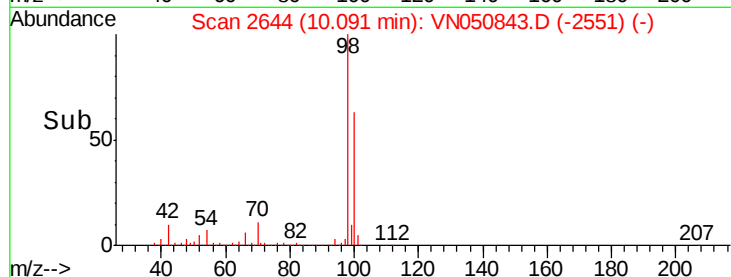
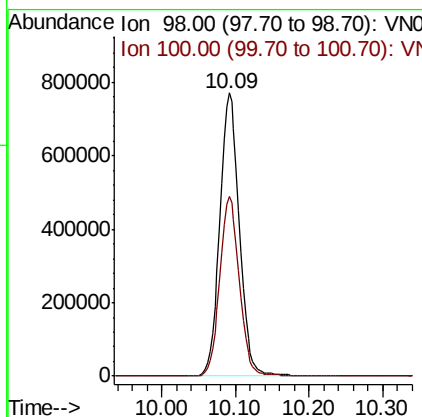
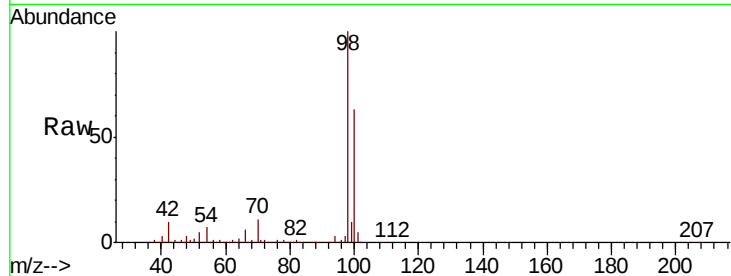




#50
Toluene-d8
Concen: 46.39 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

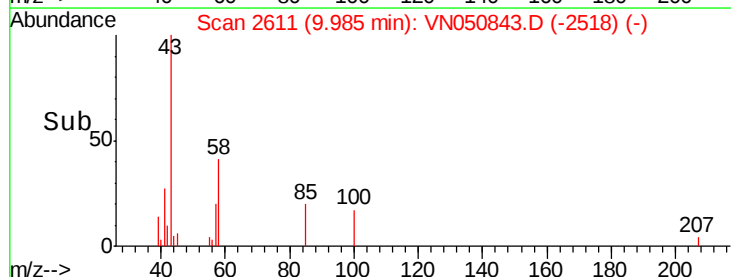
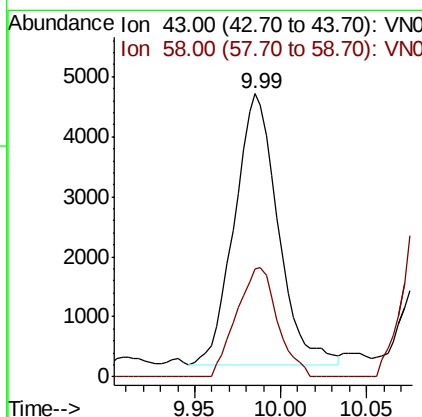
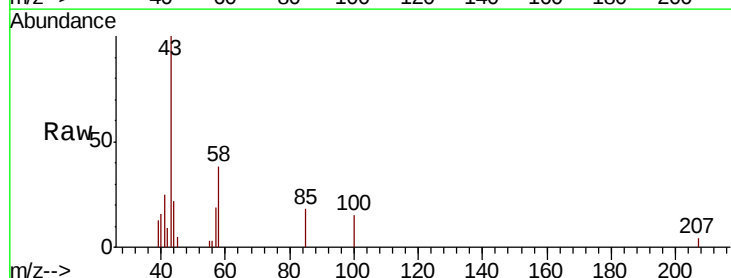
Instrument :
MSVOA_N
ClientSampled :

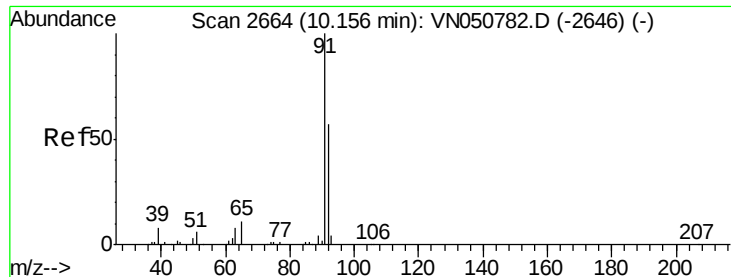
Tot Ion: 98 Resp: 1417577
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.11 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

Tgt Ion: 43 Resp: 7907
Ion Ratio Lower Upper
43 100
58 38.0 32.4 48.6





#52

Toluene

Concen: 0.49 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

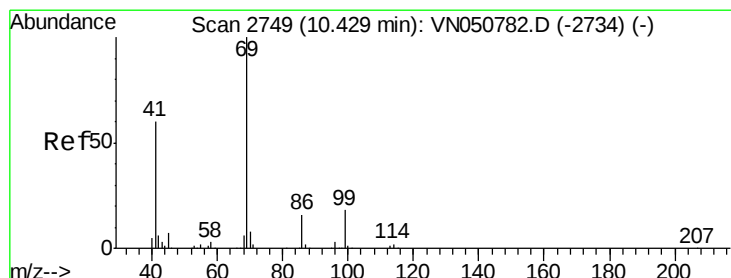
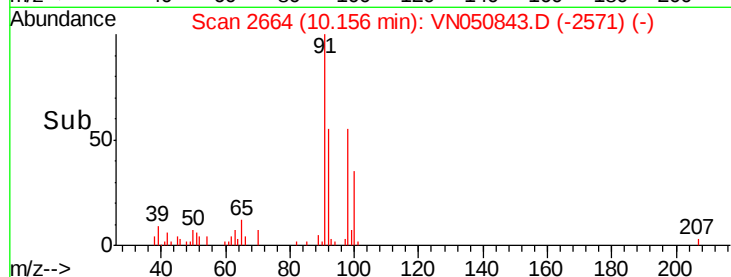
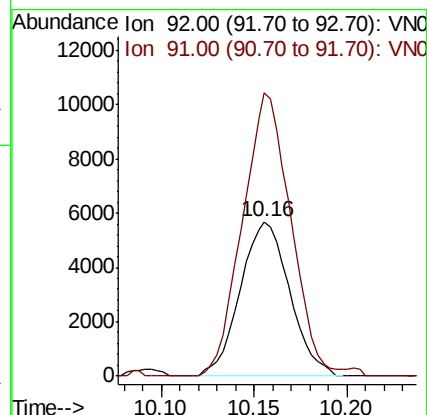
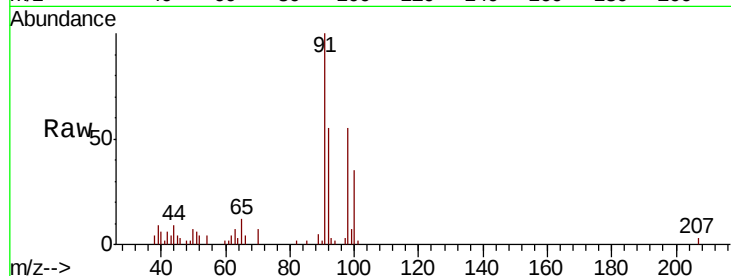
ClientSampleId :

Tot Ion: 92 Resp: 10590

Ion Ratio Lower Upper

92 100

91 178.0 140.6 211.0



#56

Ethyl methacrylate

Concen: 2.36 ug/l

RT: 10.43 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

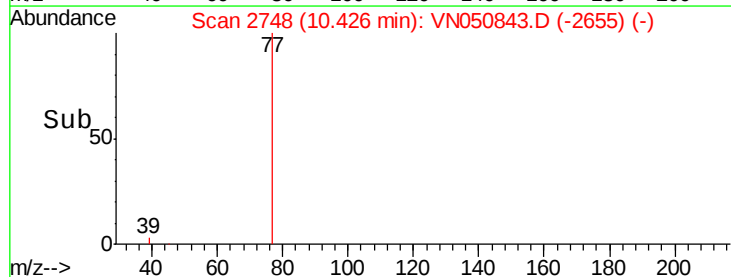
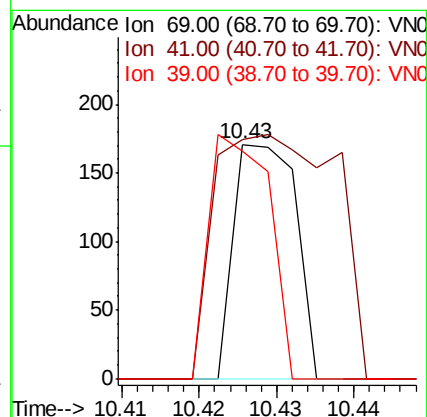
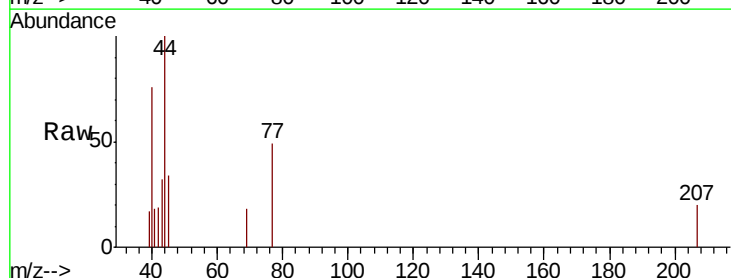
Tgt Ion: 69 Resp: 95

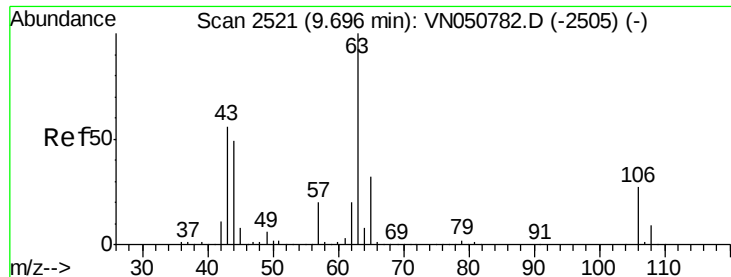
Ion Ratio Lower Upper

69 100

41 203.2 48.3 72.5#

39 100.0 24.0 36.0#

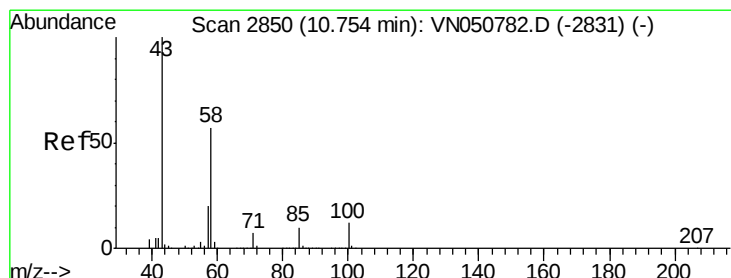
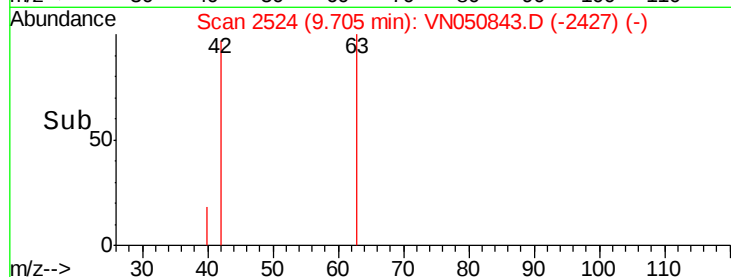
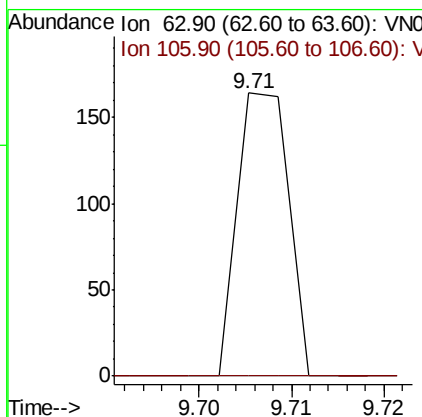
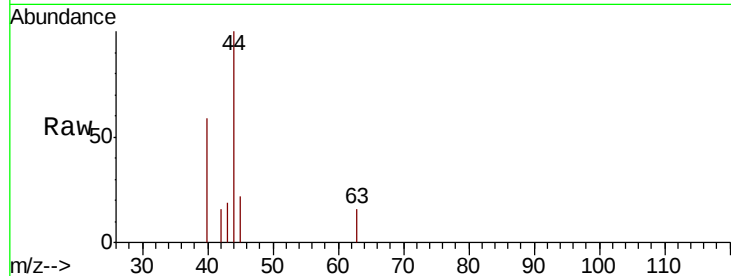




#58
2-Chloroethyl Vinyl ether
Concen: 12.23 ug/l
RT: 9.71 min Scan# 2524
Delta R.T. 0.01 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

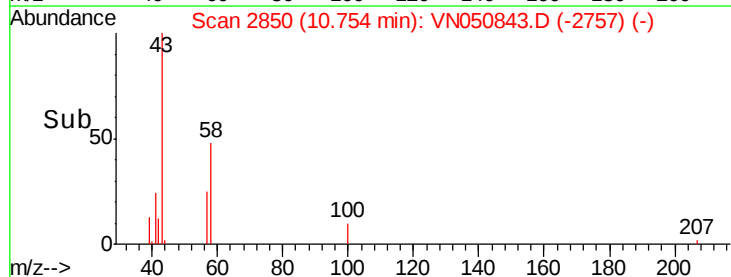
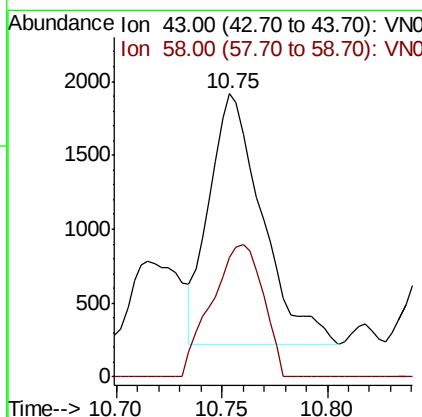
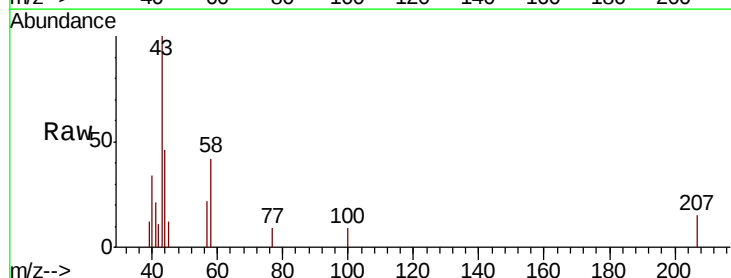
Instrument :
MSVOA_N
ClientSampled :

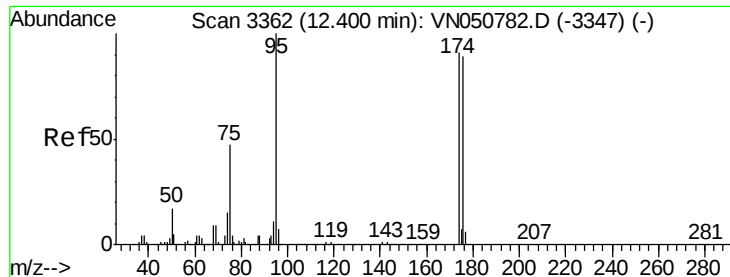
Tot Ion: 63 Resp: 63
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#59
2-Hexanone
Concen: 0.62 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

Tgt Ion: 43 Resp: 2953
Ion Ratio Lower Upper
43 100
58 51.4 28.3 85.0





#62

4-Bromofluorobenzene

Concen: 39.24 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

ClientSampleId :

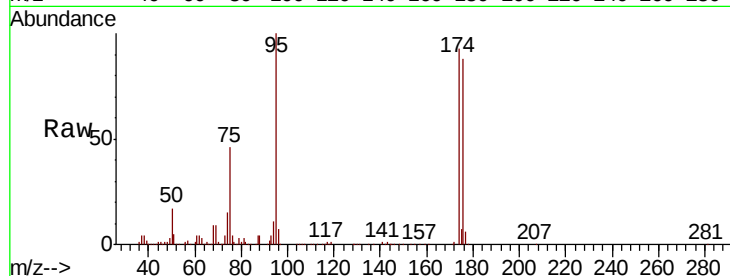
Tot Ion: 95 Resp: 398435

Ion Ratio Lower Upper

95 100

174 91.5 0.0 183.0

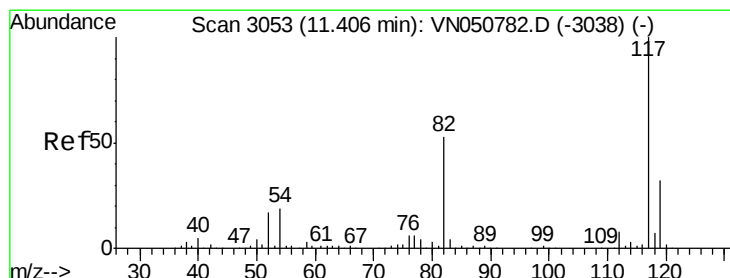
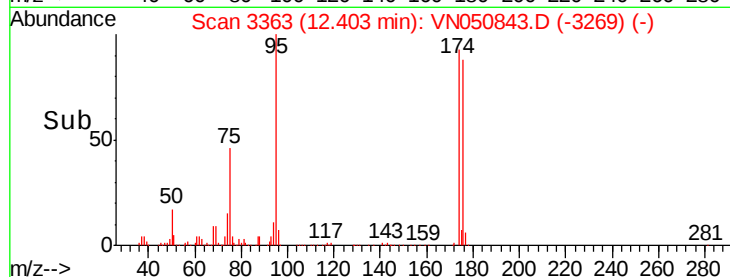
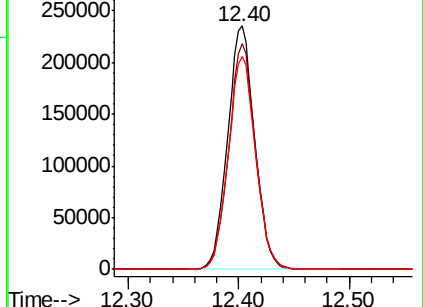
176 88.5 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050843.D (-3269) (-)

Ion 173.80 (173.50 to 174.50): VN050843.D (-3269) (-)

Ion 175.80 (175.50 to 176.50): VN050843.D (-3269) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

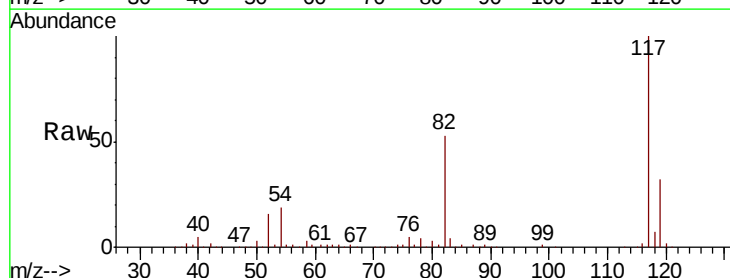
Tgt Ion: 117 Resp: 865542

Ion Ratio Lower Upper

117 100

82 52.8 42.6 64.0

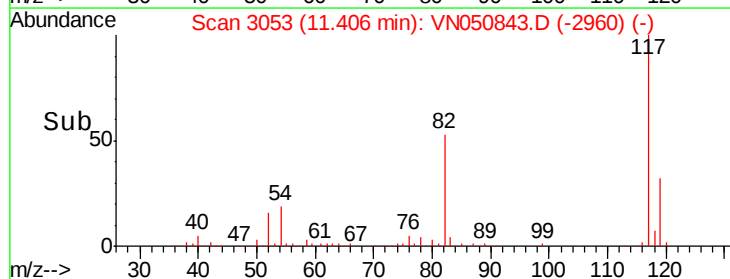
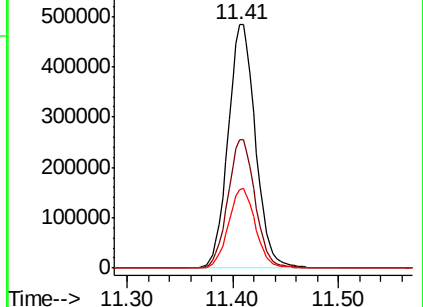
119 32.5 25.8 38.6

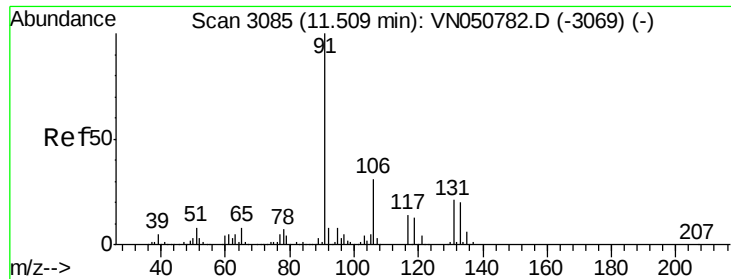


Abundance Ion 116.90 (116.60 to 117.60): VN050843.D (-2960) (-)

Ion 82.00 (81.70 to 82.70): VN050843.D (-2960) (-)

Ion 118.90 (118.60 to 119.60): VN050843.D (-2960) (-)





#67

Ethyl Benzene

Concen: 0.23 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

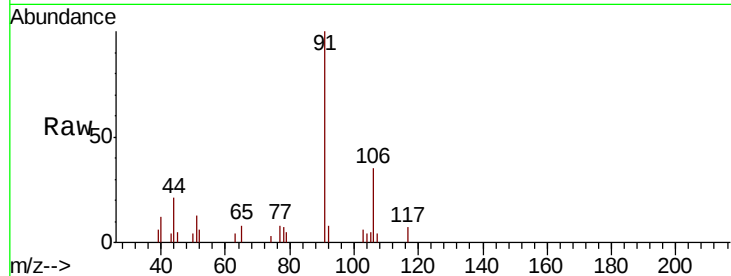
ClientSampled :

Tot Ion: 91 Resp: 8512

Ion Ratio Lower Upper

91 100

106 34.6 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3069) (-)

Ion 106.00 (105.70 to 106.70): VN050782.D (-3069) (-)

11.51

5000

4000

3000

2000

1000

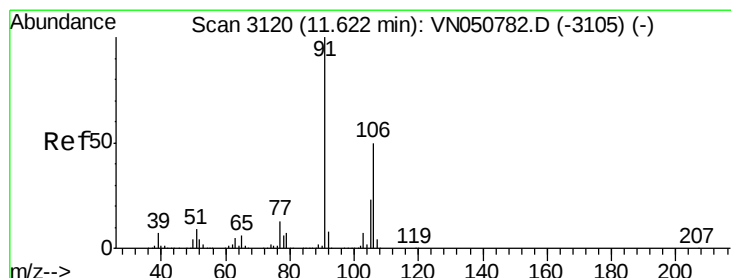
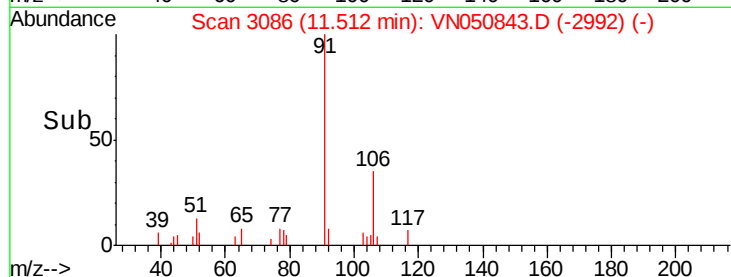
0

11.45

11.50

11.55

Time-->



#68

m/p-Xylenes

Concen: 0.69 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050843.D

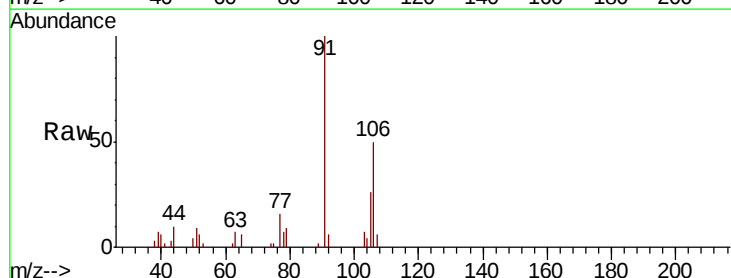
Acq: 23 Aug 2018 11:04

Tgt Ion:106 Resp: 9607

Ion Ratio Lower Upper

106 100

91 201.2 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): VN050782.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN050782.D (-3105) (-)

11.62

10000

8000

6000

4000

2000

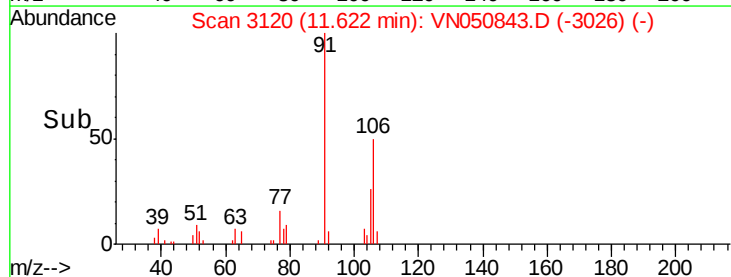
0

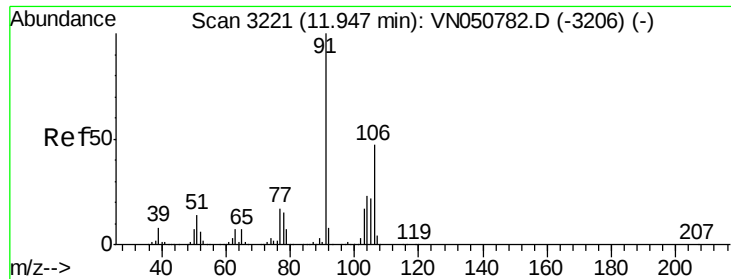
11.55

11.60

11.65

Time-->

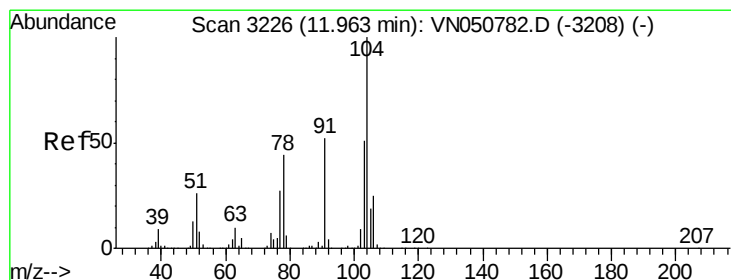
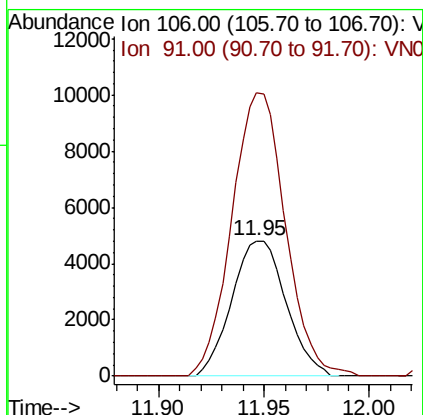
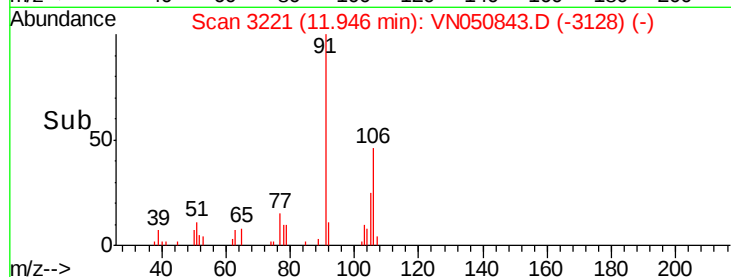
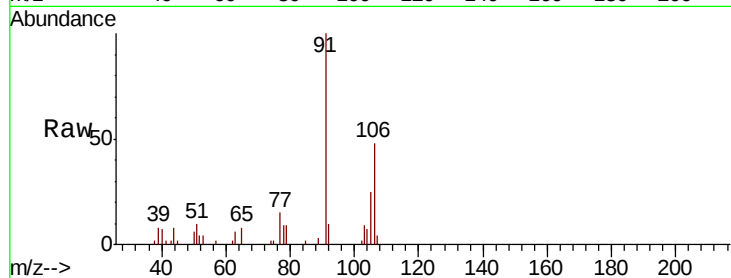




#69
o-Xylene
Concen: 0.64 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

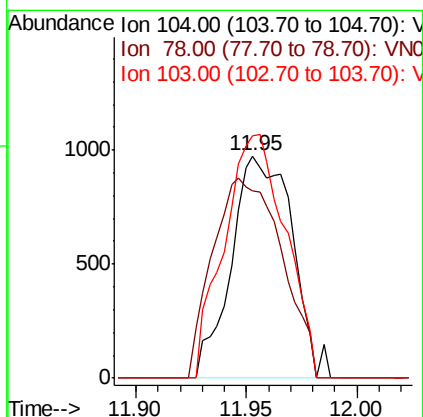
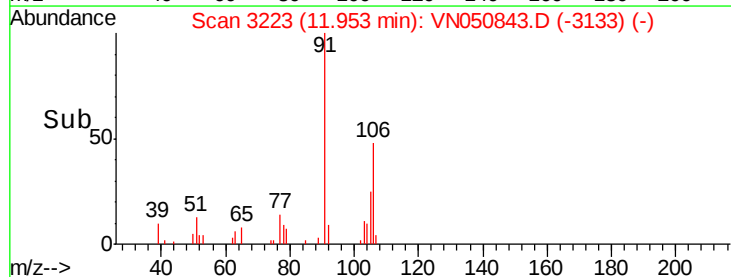
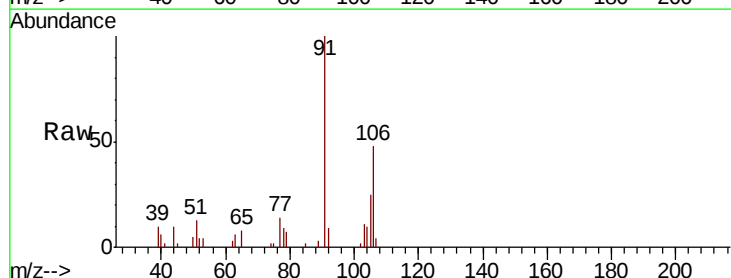
Instrument :
MSVOA_N
ClientSampled :

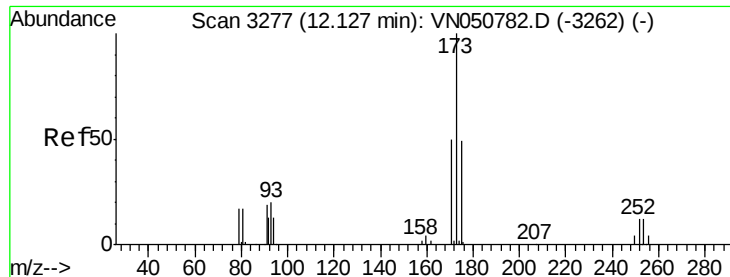
Tot Ion:106 Resp: 8611
Ion Ratio Lower Upper
106 100
91 206.6 106.5 319.5



#70
Styrene
Concen: 1.35 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. -0.01 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

Tgt Ion:104 Resp: 1863
Ion Ratio Lower Upper
104 100
78 102.5 38.2 57.4#
103 110.7 44.4 66.6#





#71

Bromoform

Concen: 0.24 ug/l

RT: 12.40 min Scan# 3361

Delta R.T. 0.27 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

ClientSampleId :

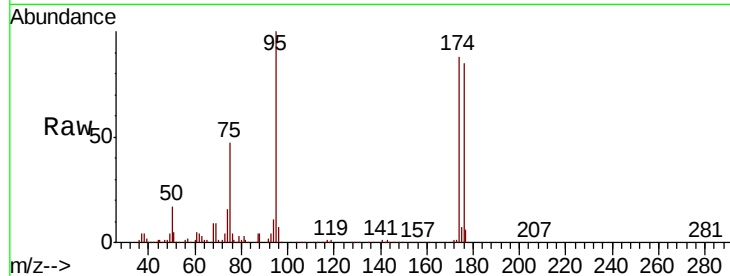
Tot Ion:173 Resp: 1391

Ion Ratio Lower Upper

173 100

175 1671.4 24.4 73.4#

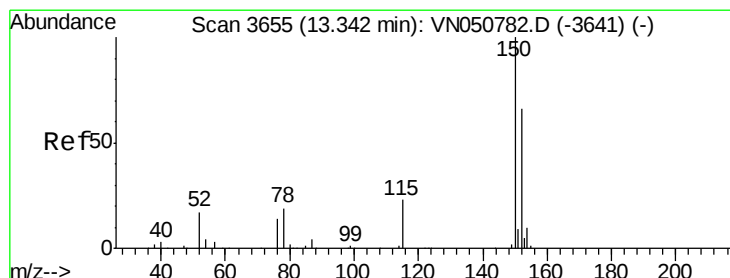
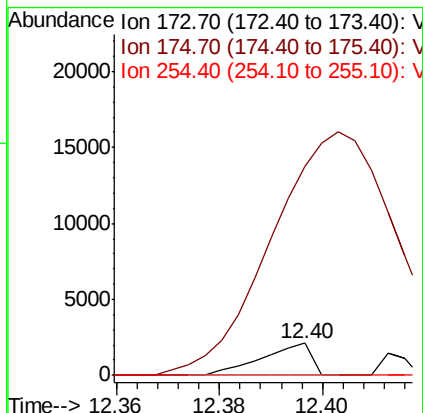
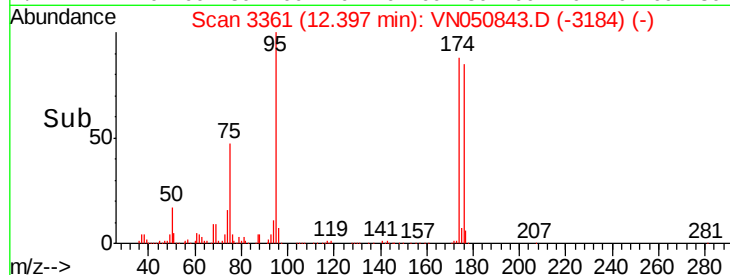
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

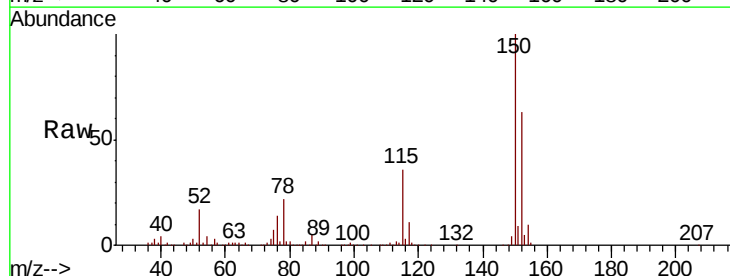
Tgt Ion:152 Resp: 300519

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.4

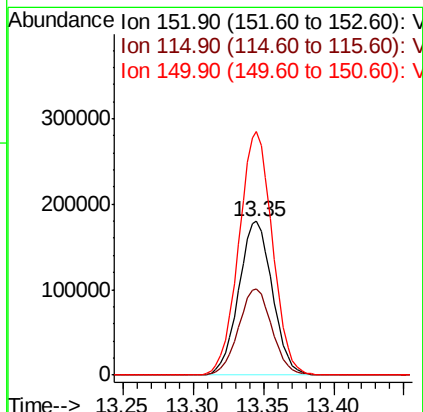
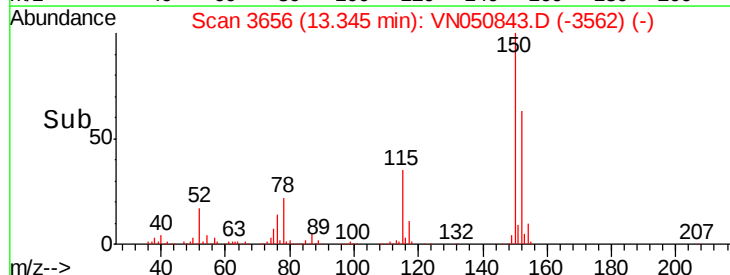
150 158.0 0.0 351.4

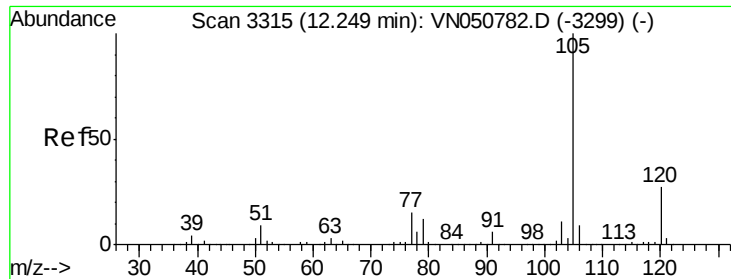


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

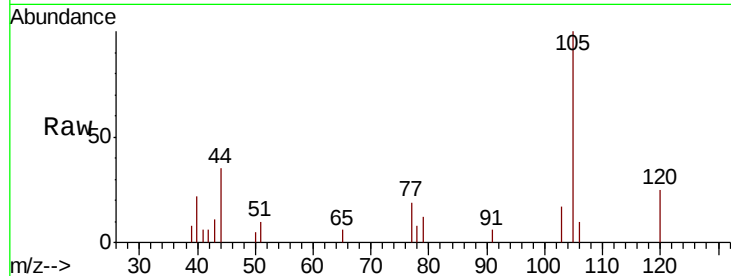




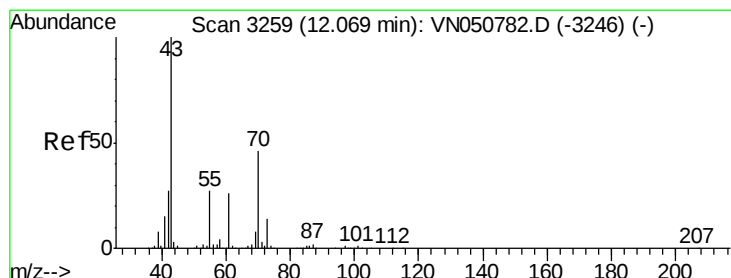
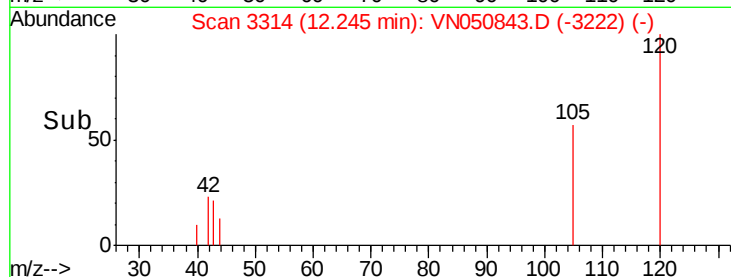
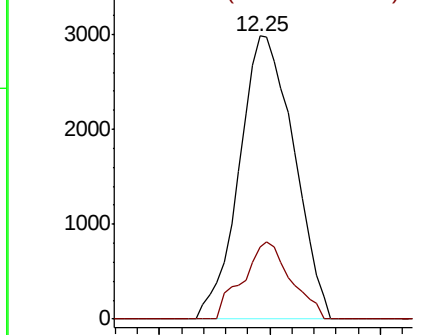
#73
Isopropylbenzene
Concen: 0.21 ug/l
RT: 12.25 min Scan# 3314
Delta R.T. -0.00 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:105 Resp: 5135
Ion Ratio Lower Upper
105 100
120 23.9 13.5 40.4

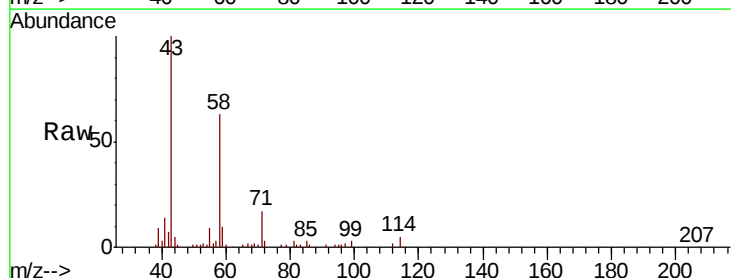


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

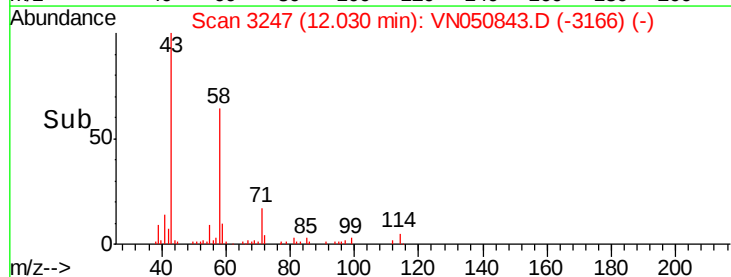
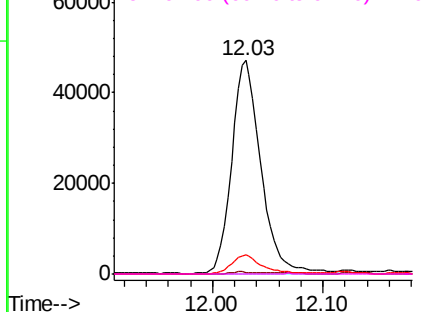


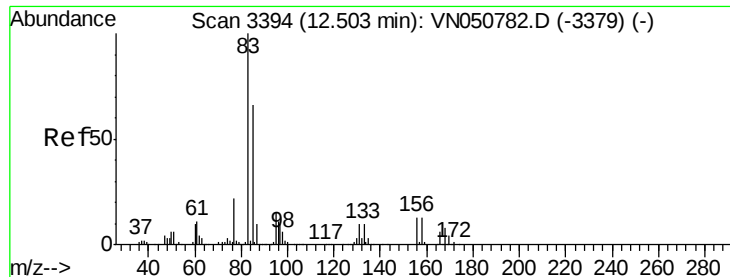
#74
N-ethyl acetate
Concen: 13.95 ug/l
RT: 12.03 min Scan# 3247
Delta R.T. -0.04 min
Lab File: VN050843.D
Acq: 23 Aug 2018 11:04

Tgt Ion: 43 Resp: 87205
Ion Ratio Lower Upper
43 100
70 0.6 36.2 54.2#
55 9.3 21.8 32.8#
61 0.0 20.5 30.7#



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: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

ClientSampled :

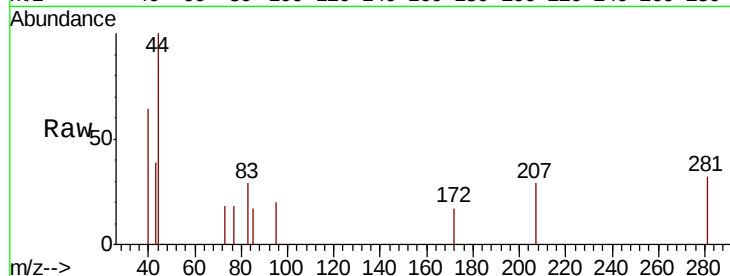
Tot Ion: 83 Resp: 305

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

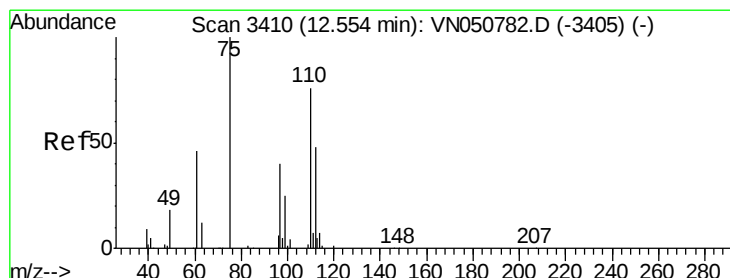
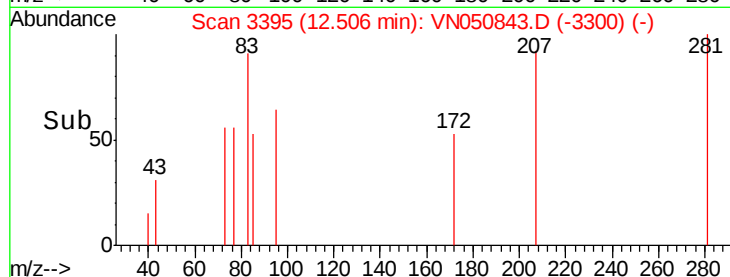
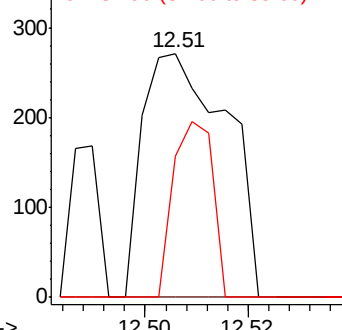
85 33.8 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050843.D

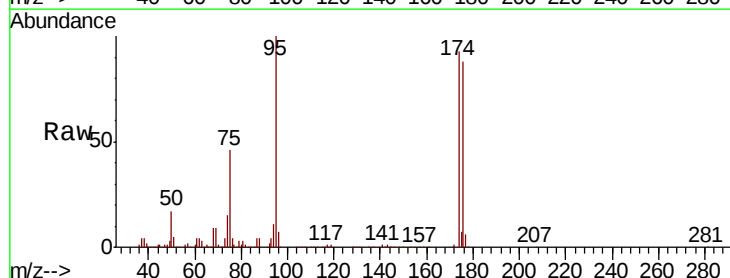
Acq: 23 Aug 2018 11:04

Tgt Ion: 75 Resp: 185604

Ion Ratio Lower Upper

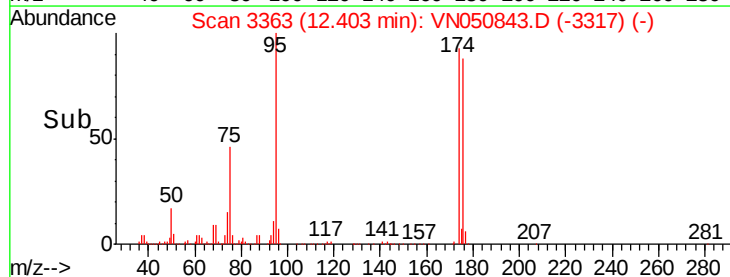
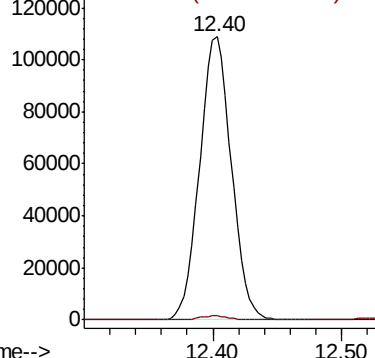
75 100

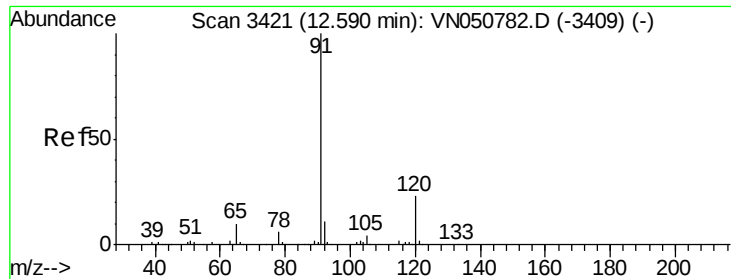
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.49 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

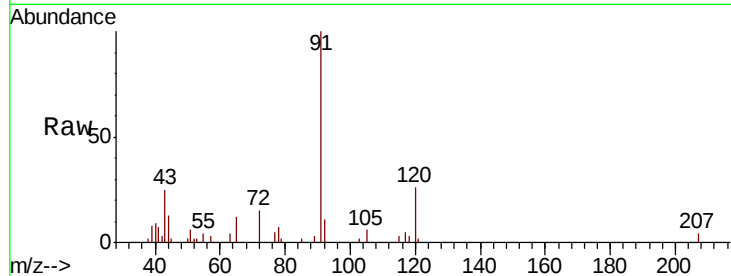
ClientSampled :

Tot Ion: 91 Resp: 13594

Ion Ratio Lower Upper

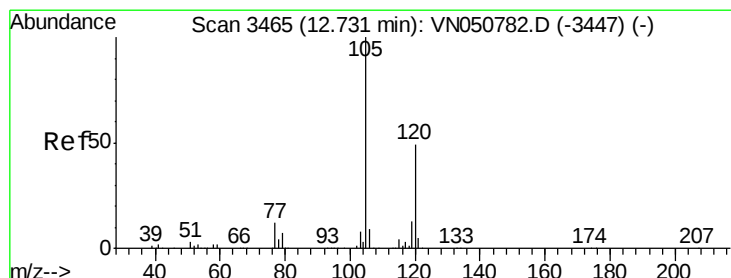
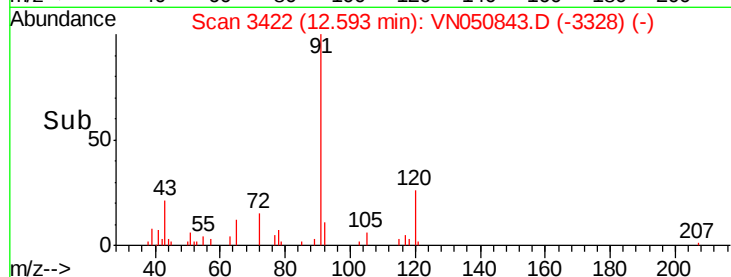
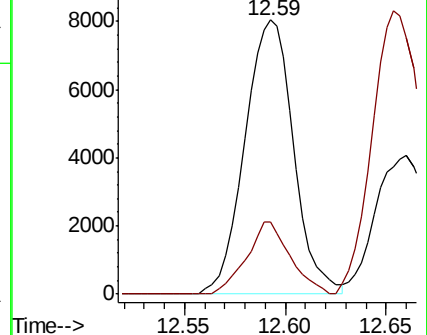
91 100

120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN050843.D (-3422) (-)

Ion 120.00 (119.70 to 120.70): VN050843.D (-3422) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.54 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050843.D

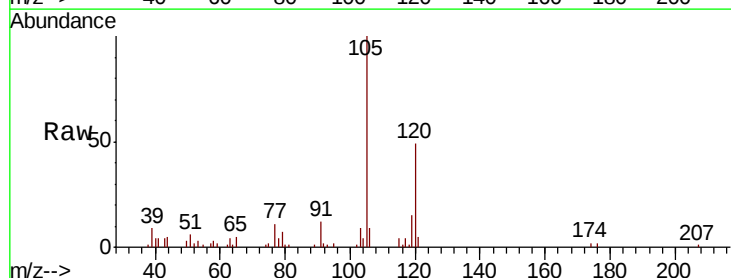
Acq: 23 Aug 2018 11:04

Tgt Ion: 105 Resp: 30957

Ion Ratio Lower Upper

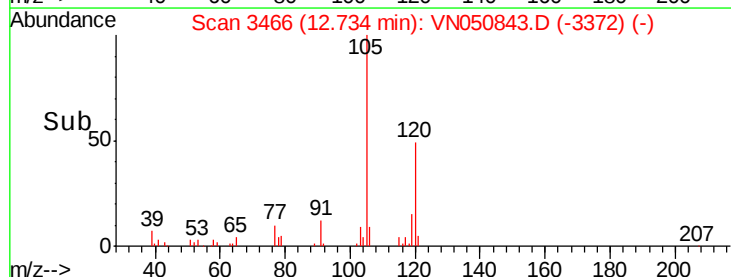
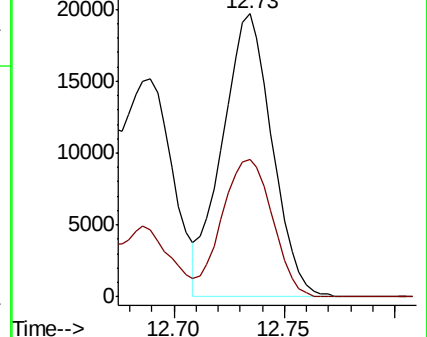
105 100

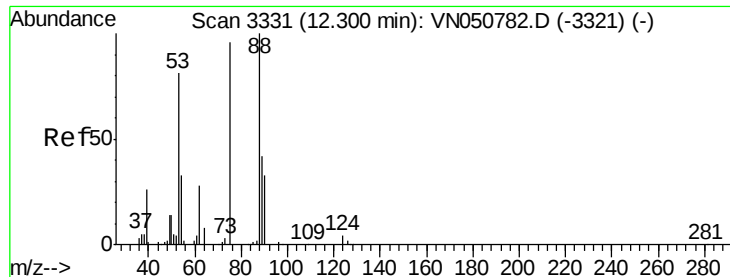
120 49.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050843.D (-3466) (-)

Ion 120.00 (119.70 to 120.70): VN050843.D (-3466) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 119.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

ClientSampleId :

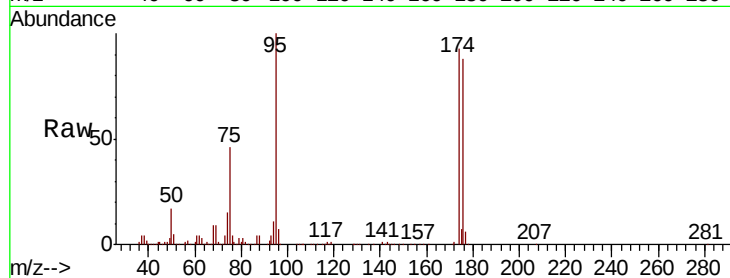
Tot Ion: 75 Resp: 185604

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

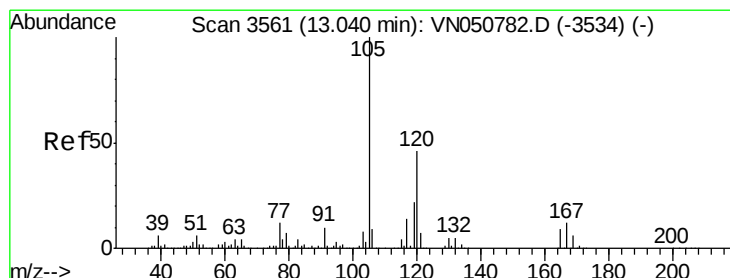
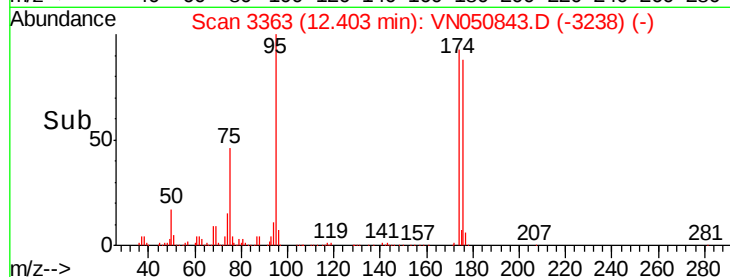
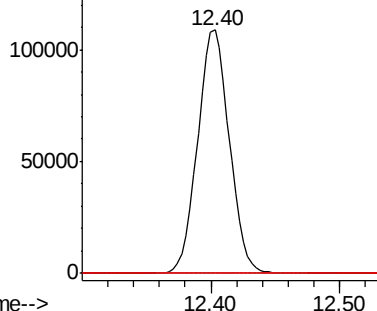
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN050843.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN050843.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN050843.D (-3363) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.44 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050843.D

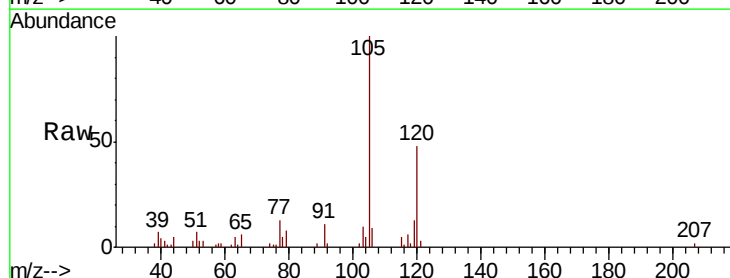
Acq: 23 Aug 2018 11:04

Tgt Ion: 105 Resp: 29133

Ion Ratio Lower Upper

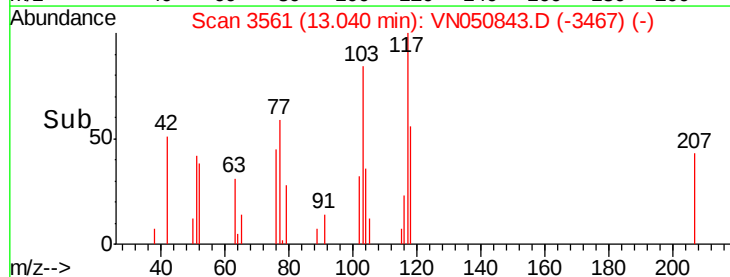
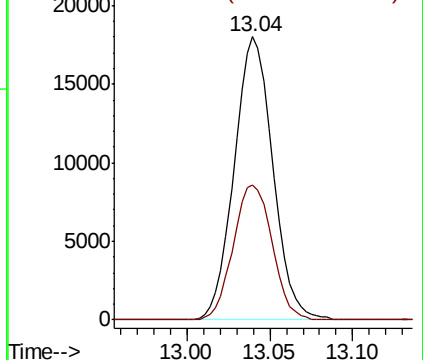
105 100

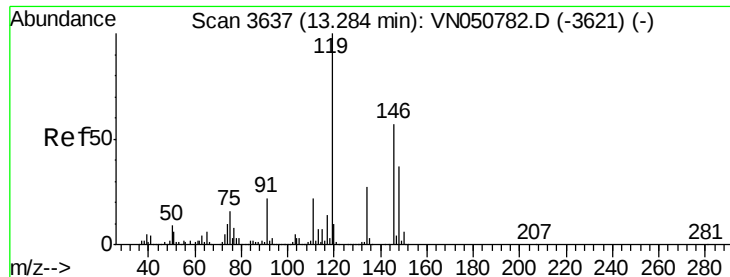
120 48.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN050843.D (-3561) (-)

Ion 120.00 (119.70 to 120.70): VN050843.D (-3561) (-)





#87

1,3-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

ClientSampleId :

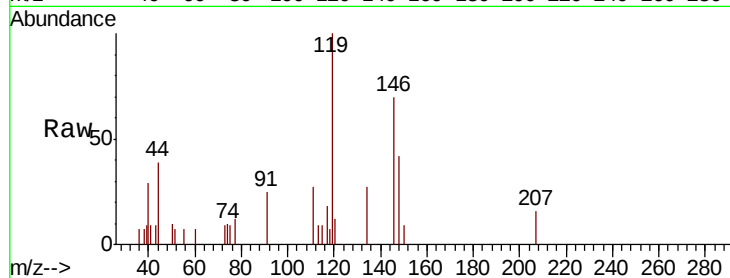
Tot Ion:146 Resp: 2476

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.3

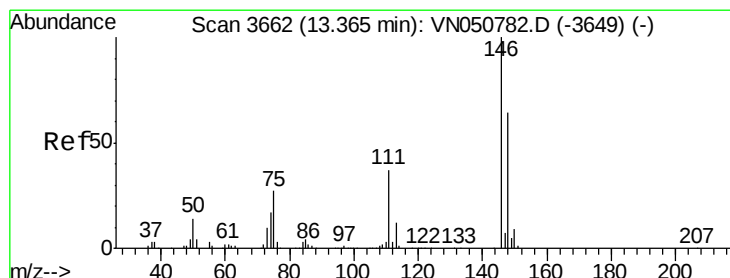
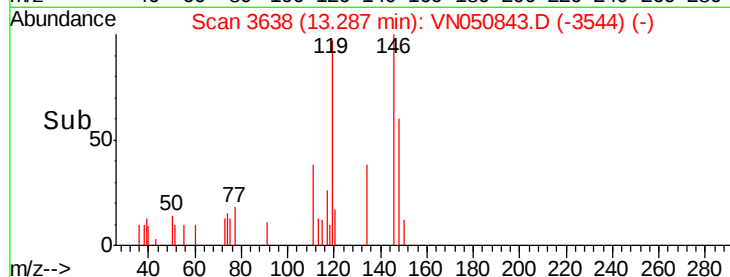
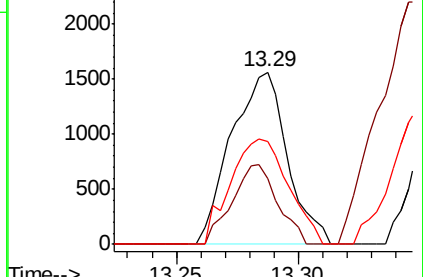
148 63.8 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.08 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

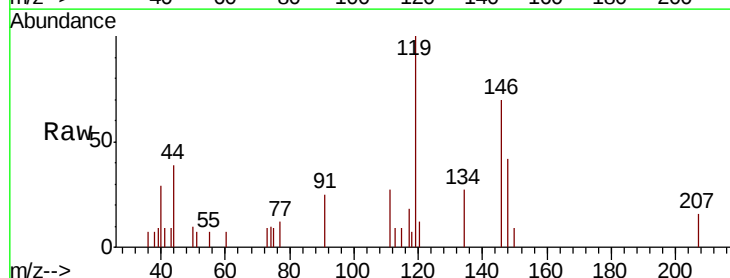
Tgt Ion:146 Resp: 2476

Ion Ratio Lower Upper

146 100

111 37.7 18.8 56.3

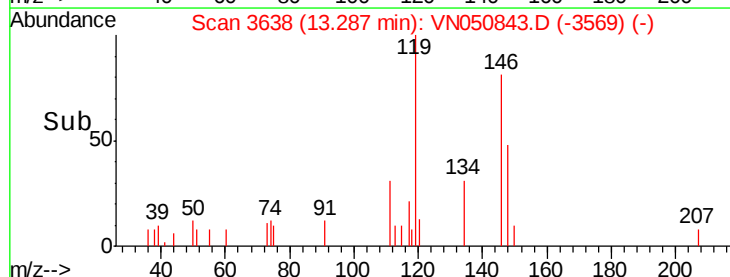
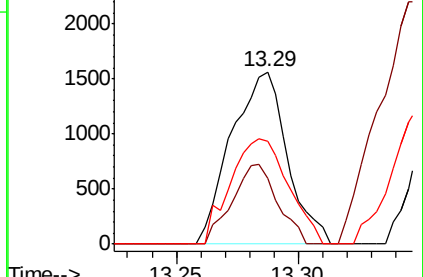
148 63.8 32.2 96.6

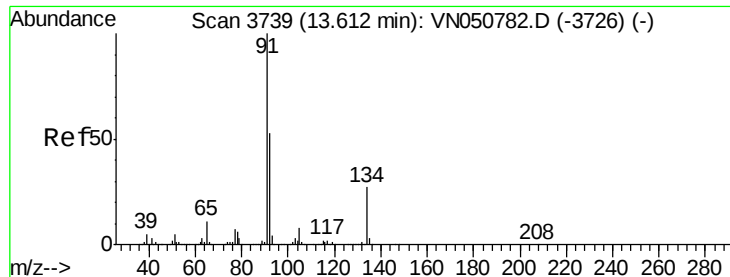


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.23 ug/l

RT: 13.61 min Scan# 3739

Delta R.T. -0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

ClientSampled :

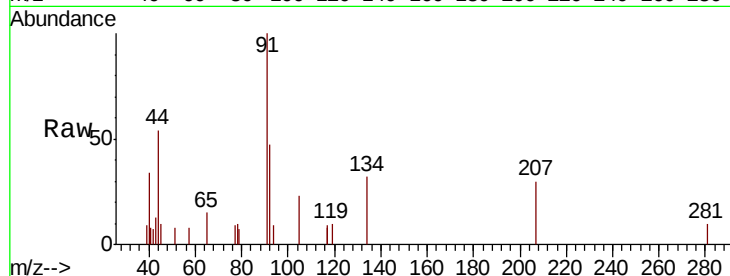
Tot Ion: 91 Resp: 3623

Ion Ratio Lower Upper

91 100

92 42.8 26.1 78.2

134 0.0 13.2 39.6#

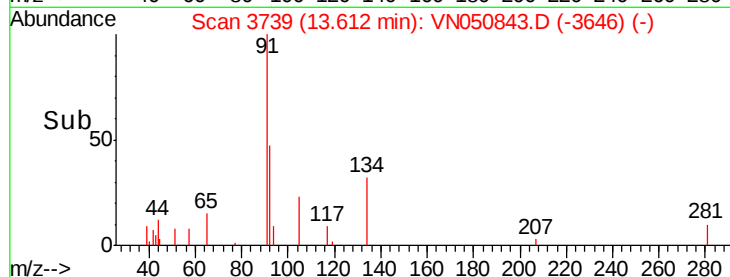


Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050782.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3726) (-)

Time-->

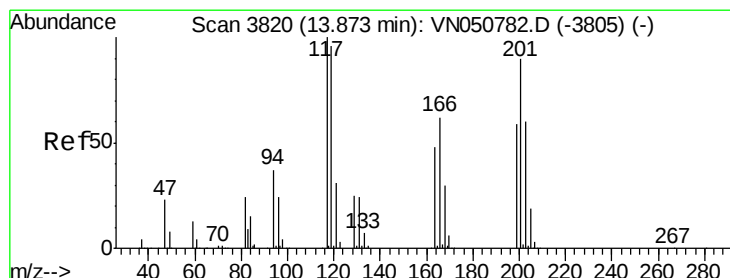


Abundance Ion 91.00 (90.70 to 91.70): VN050843.D (-3646) (-)

Ion 92.00 (91.70 to 92.70): VN050843.D (-3646) (-)

Ion 134.00 (133.70 to 134.70): VN050843.D (-3646) (-)

Time-->



#90

Hexachloroethane

Concen: 0.42 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.02 min

Lab File: VN050843.D

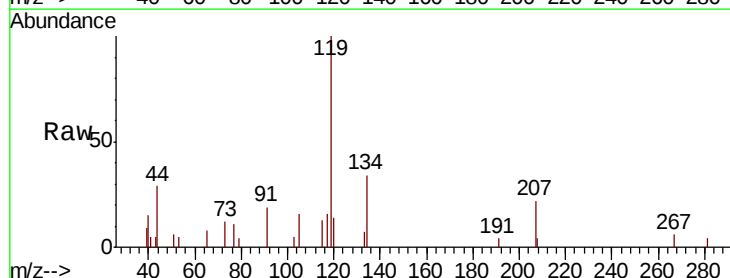
Acq: 23 Aug 2018 11:04

Tgt Ion: 117 Resp: 863

Ion Ratio Lower Upper

117 100

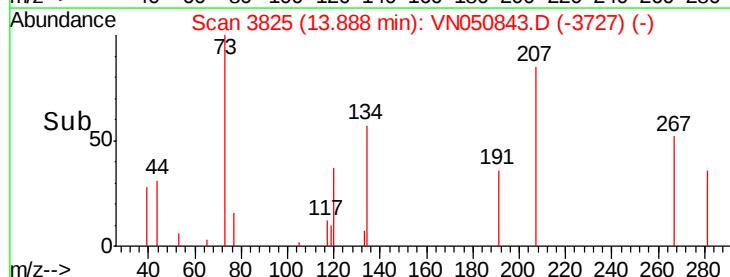
201 12.2 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): VN050782.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050782.D (-3805) (-)

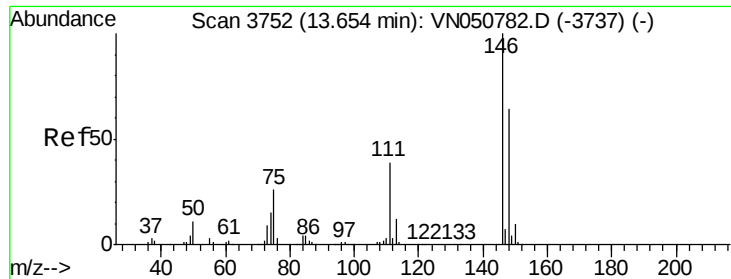
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN050843.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN050843.D (-3727) (-)

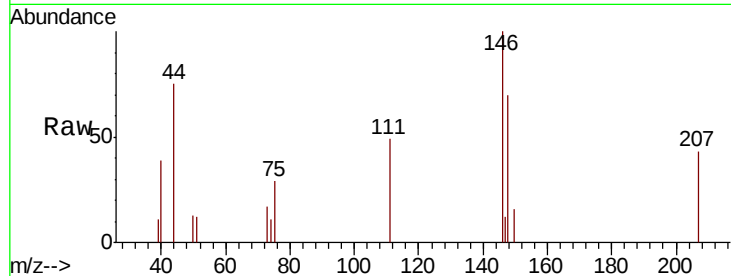
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 0.20 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050843.D
 Acq: 23 Aug 2018 11:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.8	59.3
148	61.9	32.3	96.8

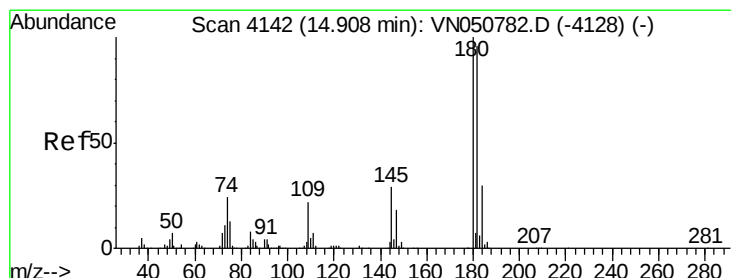
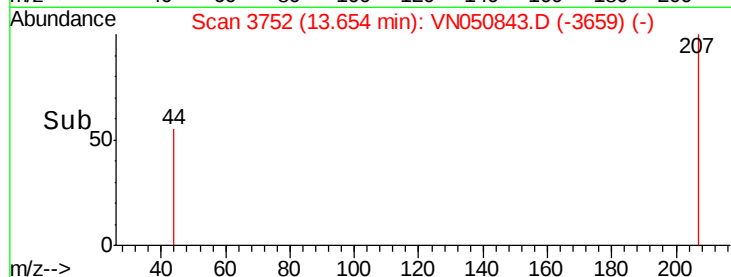
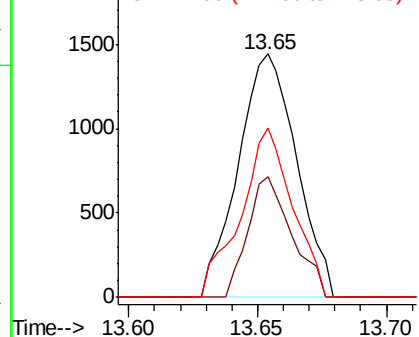


Abundance

Ion 145.90 (145.60 to 146.60): V

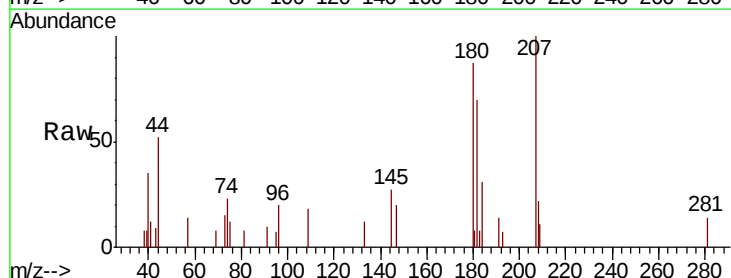
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93
 1,2,4-Trichlorobenzene
 Concen: 4.58 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.01 min
 Lab File: VN050843.D
 Acq: 23 Aug 2018 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.7	48.2	144.6
145	30.4	14.1	42.2

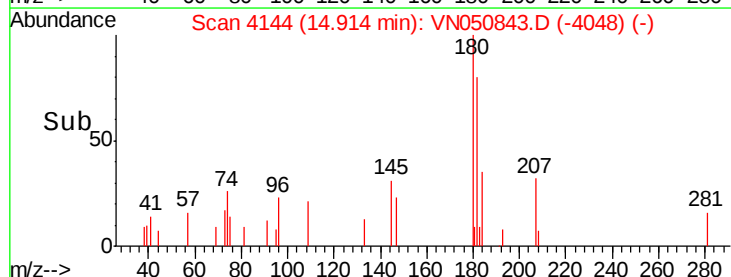
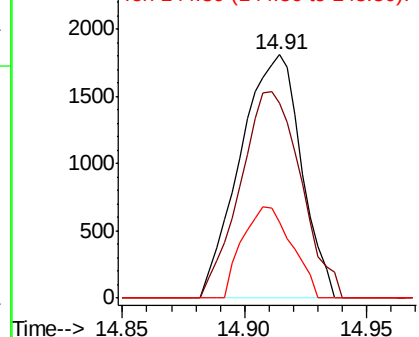


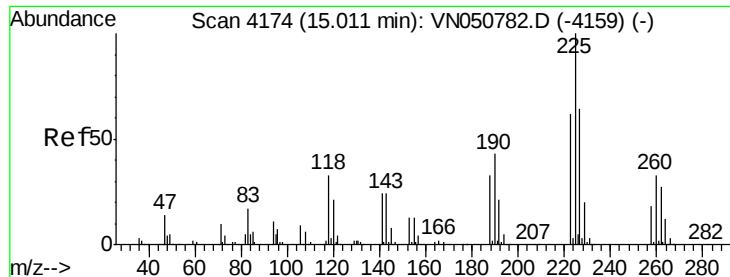
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

ClientSampleId :

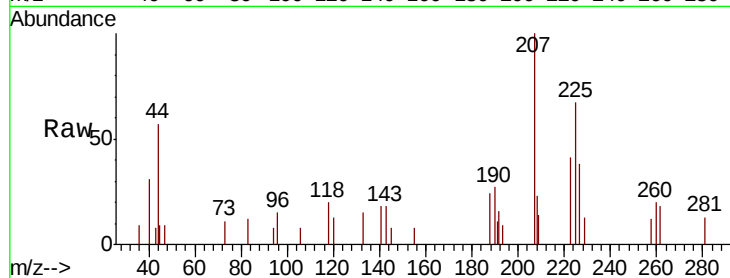
Tot Ion:225 Resp: 1984

Ion Ratio Lower Upper

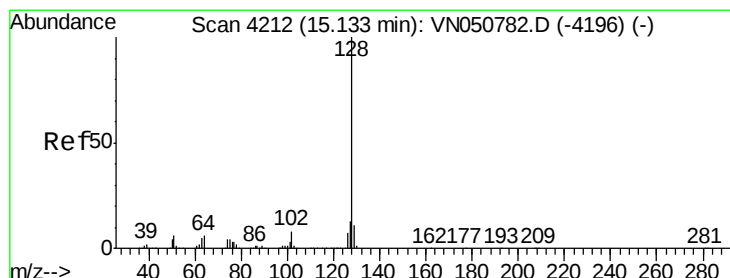
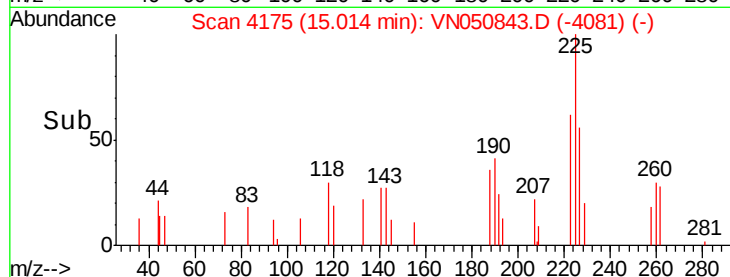
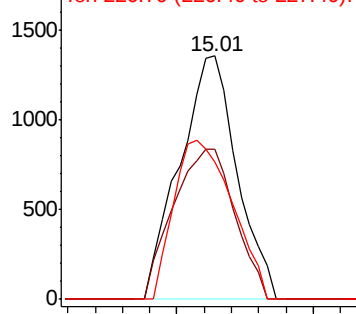
225 100

223 66.2 31.3 93.8

227 66.7 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.93 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

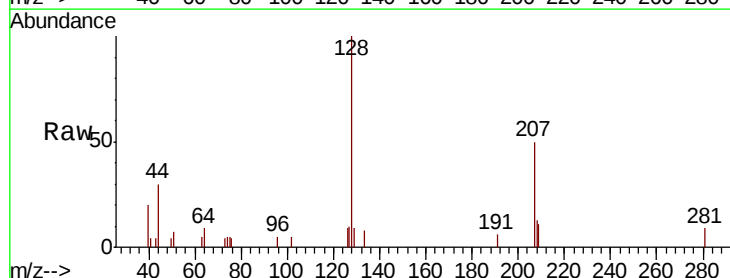
Tgt Ion:128 Resp: 7151

Ion Ratio Lower Upper

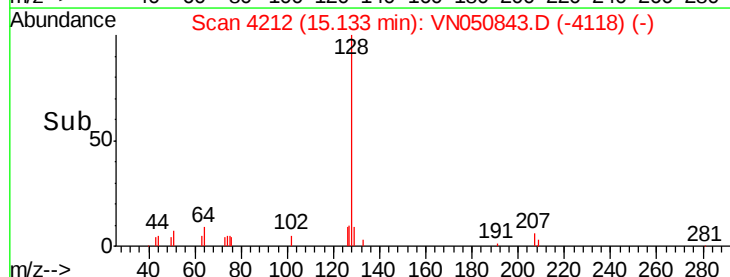
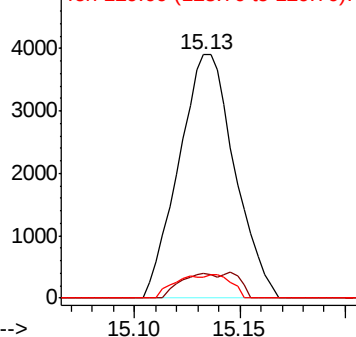
128 100

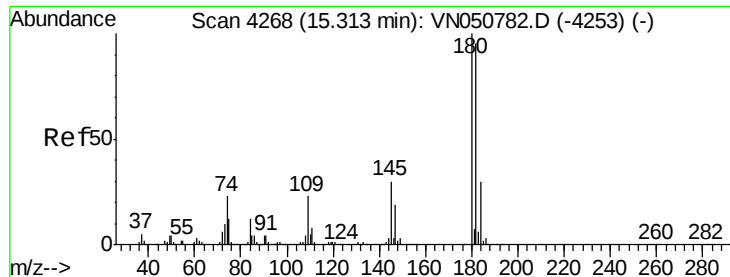
127 6.8 10.5 15.7#

129 9.4 8.7 13.1



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: 3.88 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050843.D

Acq: 23 Aug 2018 11:04

Instrument :

MSVOA_N

ClientSampleId :

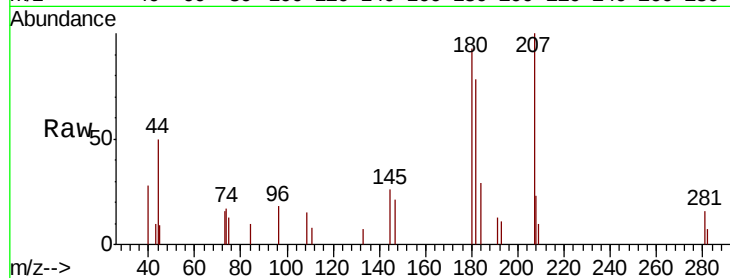
Tot Ion:180 Resp: 3385

Ion Ratio Lower Upper

180 100

182 85.5 48.0 144.2

145 30.7 15.2 45.6



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

