

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
 Data File : VN050878.D
 Acq On : 24 Aug 2018 15:42
 Operator : MD\SY
 Sample : PB112339ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112339ZHE#04

Quant Time: Aug 24 22:55:26 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	625711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1033929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	878906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	414289	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
35) Dibromofluoromethane	7.59	113	389300	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	10.09	98	1411578	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
62) 4-Bromofluorobenzene	12.40	95	373969	36.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.18%	

Target Compounds

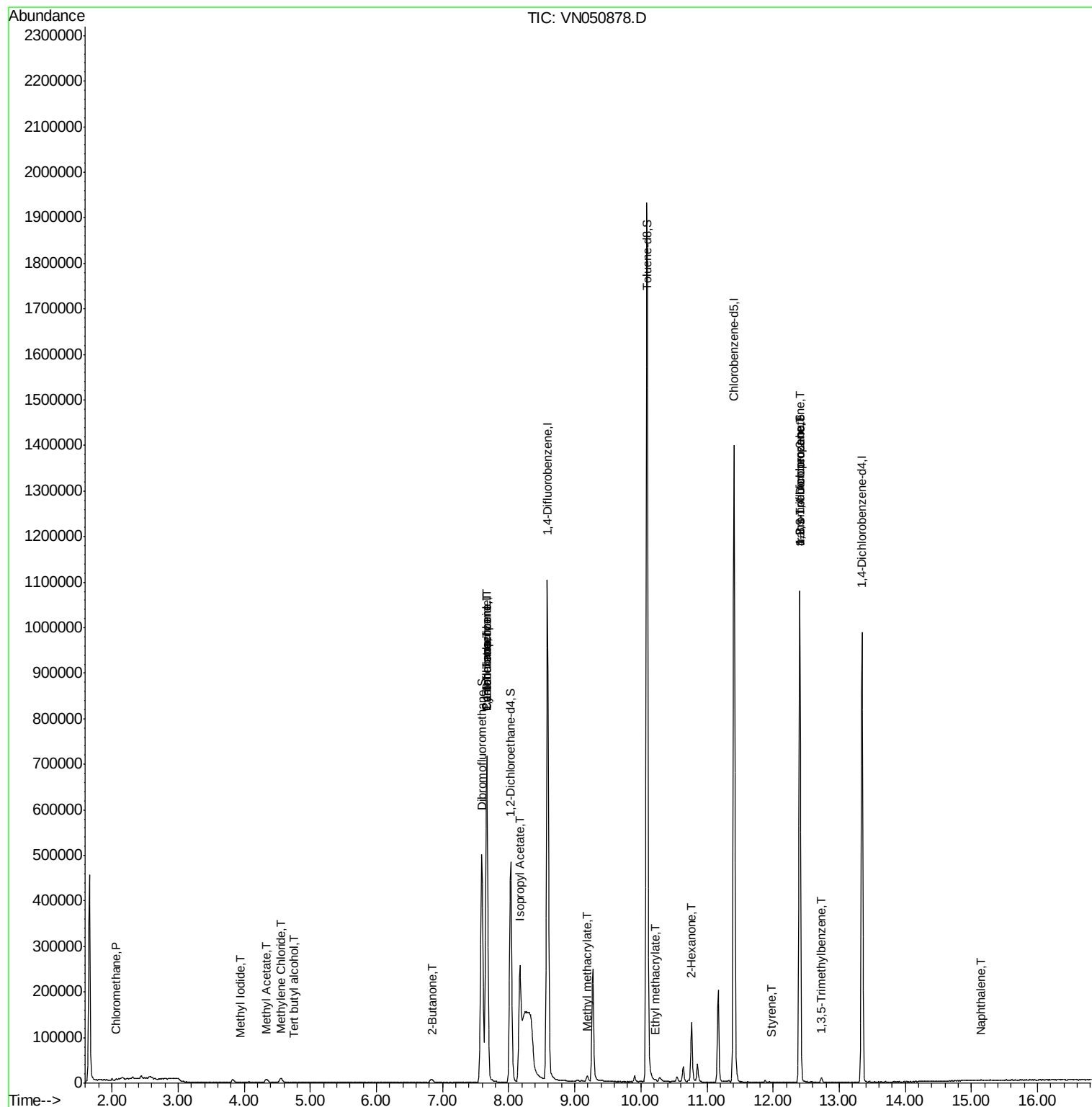
						Qvalue
3) Chloromethane	2.06	50	2274	0.22	ug/l	92
5) Bromomethane	2.57	94	2482	Below	Cal	81
10) Methyl Iodide	3.94	142	305	6.38	ug/l #	59
11) Tert butyl alcohol	4.76	59	364	0.76	ug/l #	72
16) Acetone	3.83	43	11156	Below	Cal	98
18) Methyl Acetate	4.33	43	14778	2.08	ug/l	94
20) Methylene Chloride	4.55	84	8001	0.94	ug/l	92
25) 2-Butanone	6.85	43	2262	0.75	ug/l #	47
31) Cyclohexane	7.67	56	10662	1.29	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42495	3.48	ug/l #	46
38) Carbon Tetrachloride	7.67	117	54459	4.42	ug/l #	17
43) Isopropyl Acetate	8.17	43	325780	27.03	ug/l #	92
48) Methyl methacrylate	9.18	41	7625	1.24	ug/l #	19
56) Ethyl methacrylate	10.23	69	2169	2.55	ug/l #	61
59) 2-Hexanone	10.77	43	17930	3.75	ug/l #	58
70) Styrene	11.96	104	318	1.28	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.41	83	61	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	176368	34.95	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4788	0.25	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	176368	118.14	ug/l #	15
95) Naphthalene	15.14	128	444	5.43	ug/l #	69

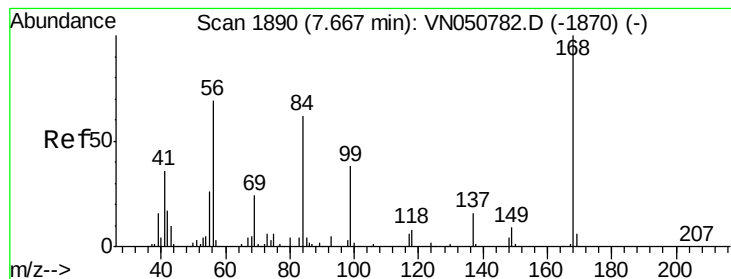
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

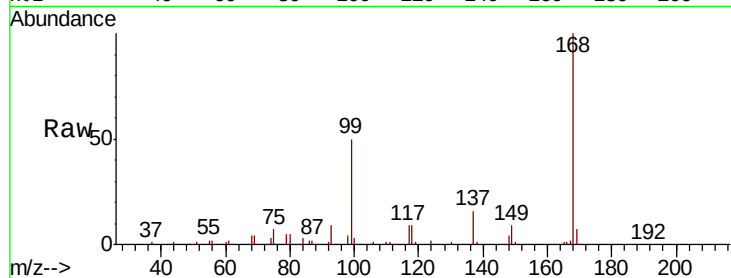
PB112339ZHE#04

Tot Ion:168 Resp: 625711

Ion Ratio Lower Upper

168 100

99 50.5 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

250000

200000

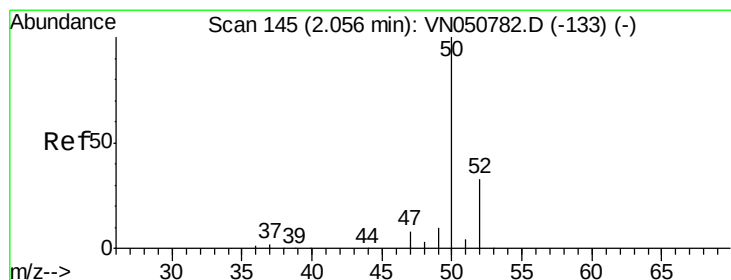
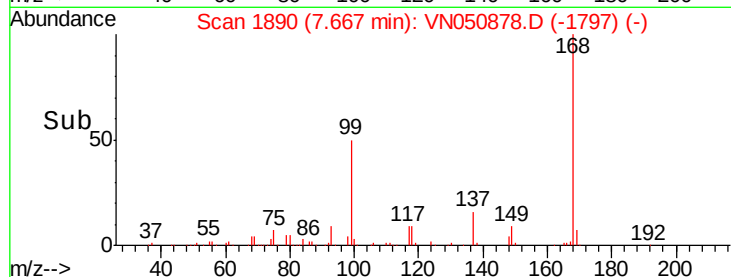
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050878.D

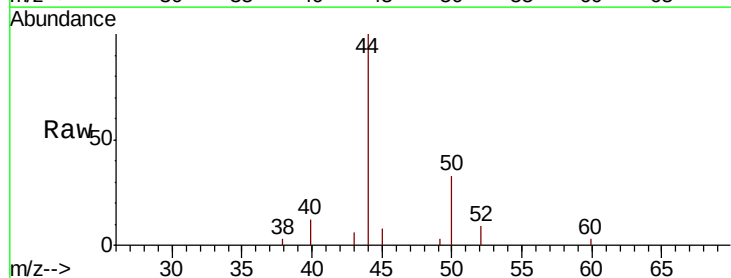
Acq: 24 Aug 2018 15:42

Tgt Ion: 50 Resp: 2274

Ion Ratio Lower Upper

50 100

52 28.2 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

2000

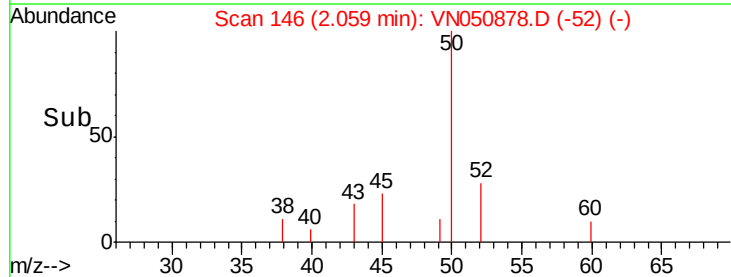
1500

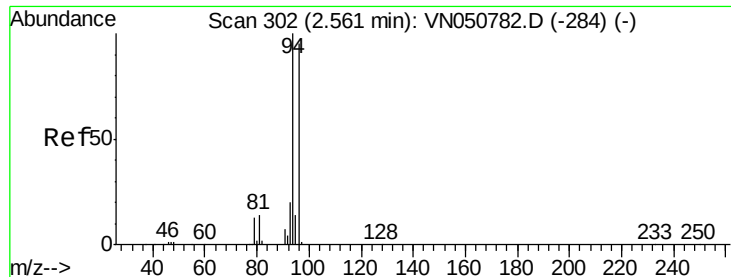
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

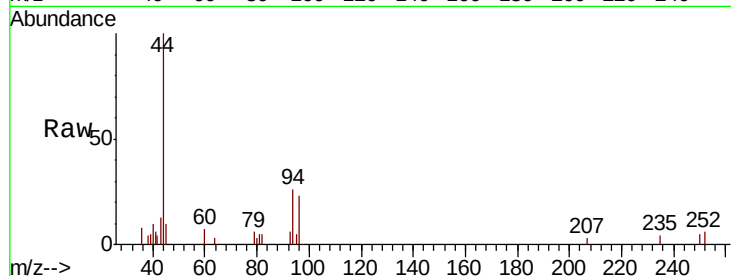
PB112339ZHE#04

Tot Ion: 94 Resp: 2482

Ion Ratio Lower Upper

94 100

96 76.8 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050878.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050878.D (-284) (-)

2.57

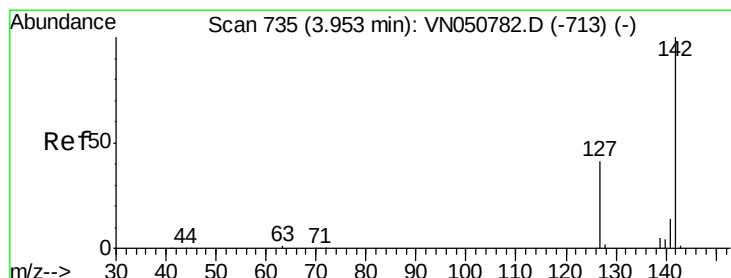
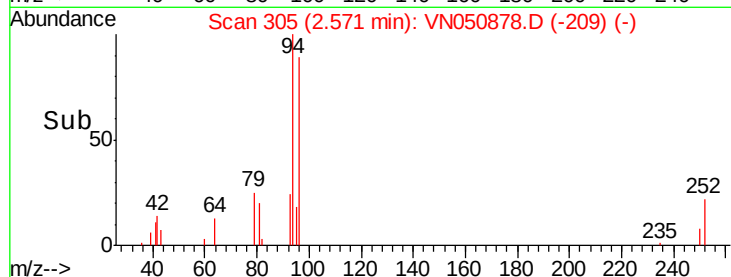
1500

1000

500

0

Time--> 2.50 2.55 2.60



#10

Methyl Iodide

Concen: 6.38 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.01 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

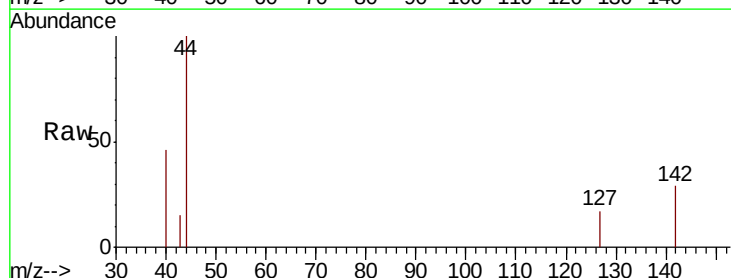
Tgt Ion: 142 Resp: 305

Ion Ratio Lower Upper

142 100

127 66.6 31.7 47.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050878.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050878.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050878.D (-713) (-)

3.94

400

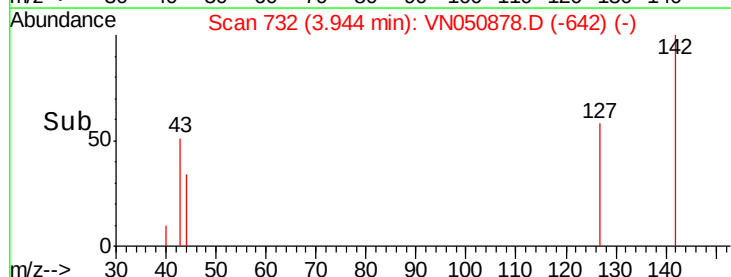
300

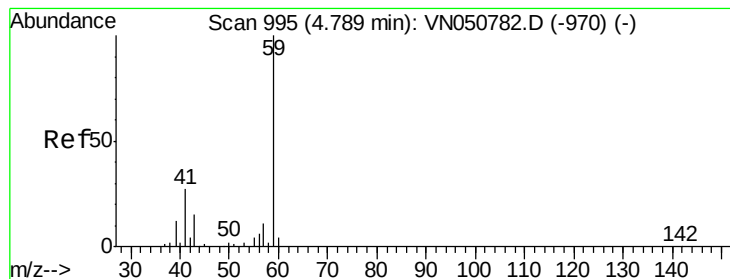
200

100

0

Time--> 3.92 3.93 3.94 3.95





#11

Tert butyl alcohol

Concen: 0.76 ug/l

RT: 4.76 min Scan# 985

Delta R.T. -0.03 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

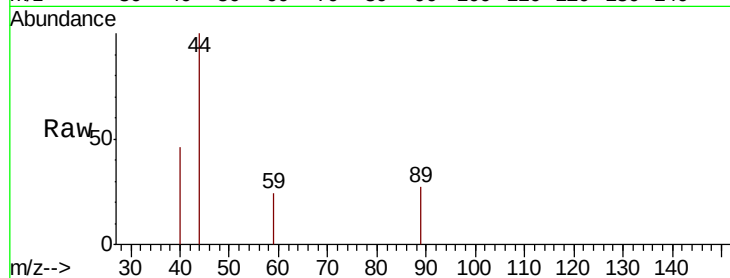
PB112339ZHE#04

Tot Ion: 59 Resp: 364

Ion Ratio Lower Upper

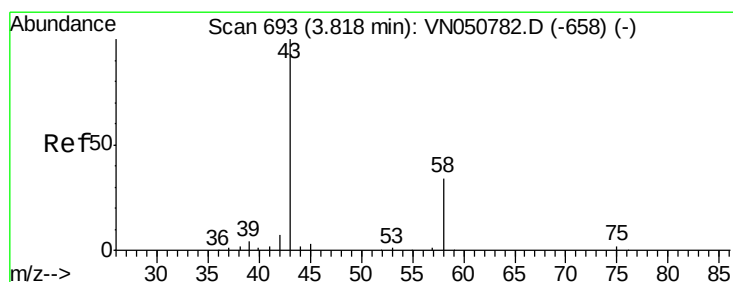
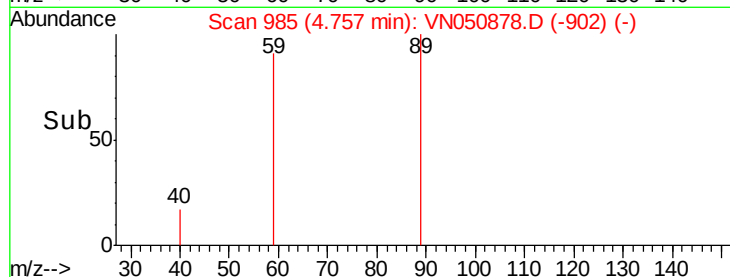
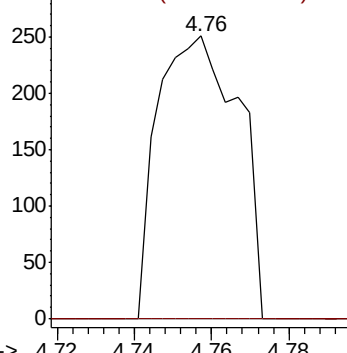
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050878.D

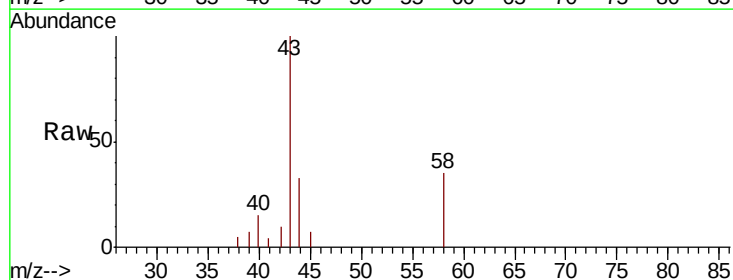
Acq: 24 Aug 2018 15:42

Tgt Ion: 43 Resp: 11156

Ion Ratio Lower Upper

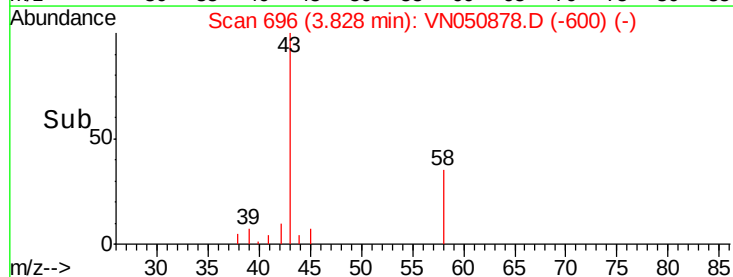
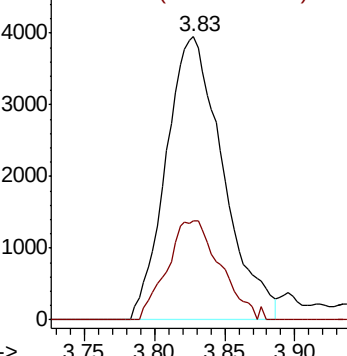
43 100

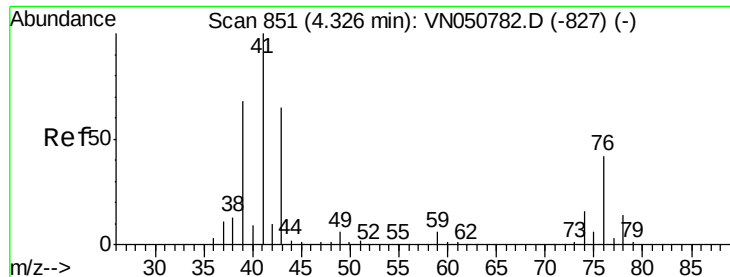
58 35.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

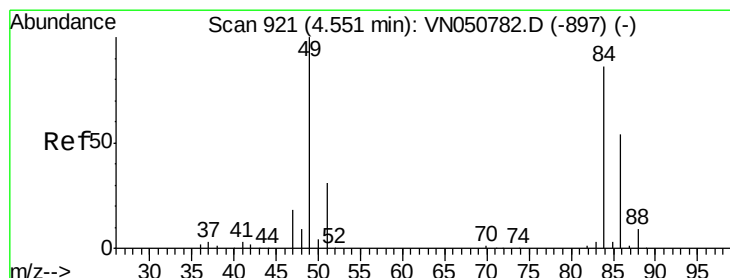
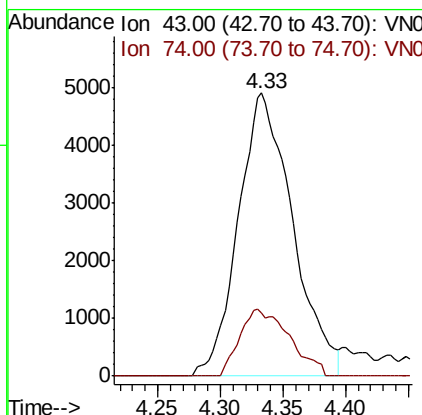
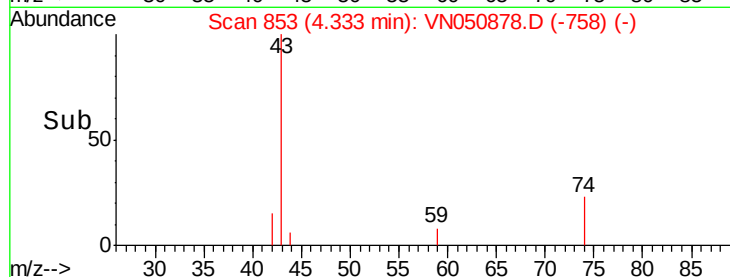
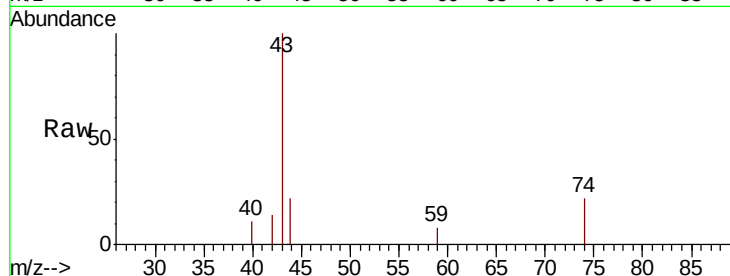




#18
Methyl Acetate
Concen: 2.08 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN050878.D
Acq: 24 Aug 2018 15:42

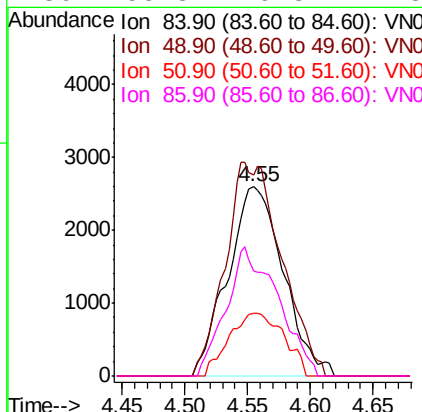
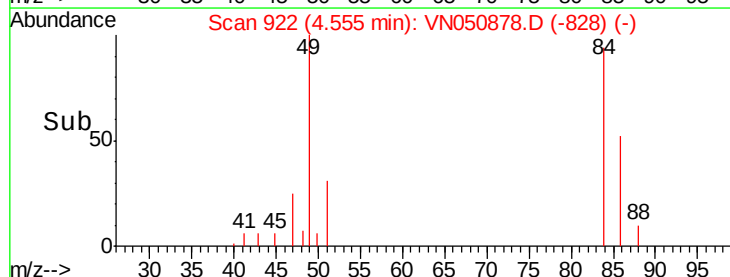
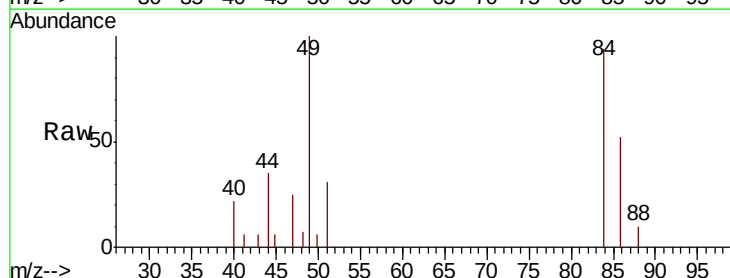
Instrument :
MSVOA_N
ClientSampleId :
PB112339ZHE#04

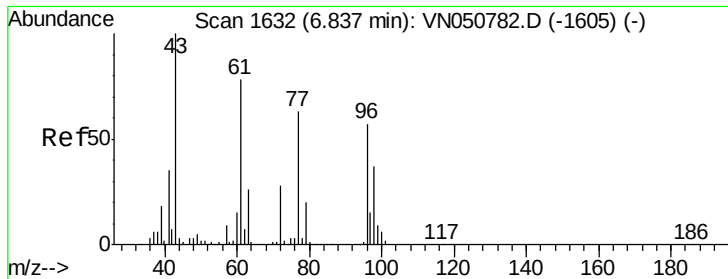
Tot Ion: 43 Resp: 14778
Ion Ratio Lower Upper
43 100
74 21.7 19.8 29.8



#20
Methylene Chloride
Concen: 0.94 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050878.D
Acq: 24 Aug 2018 15:42

Tgt Ion: 84 Resp: 8001
Ion Ratio Lower Upper
84 100
49 106.6 93.2 139.8
51 33.4 29.0 43.6
86 55.3 49.8 74.8

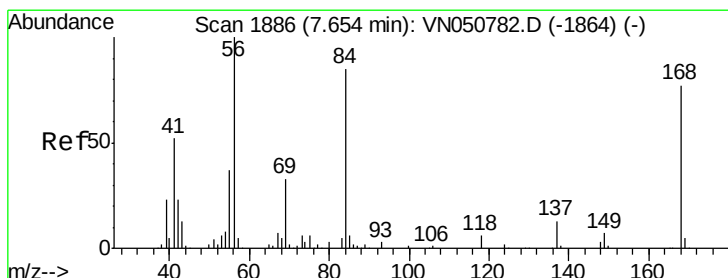
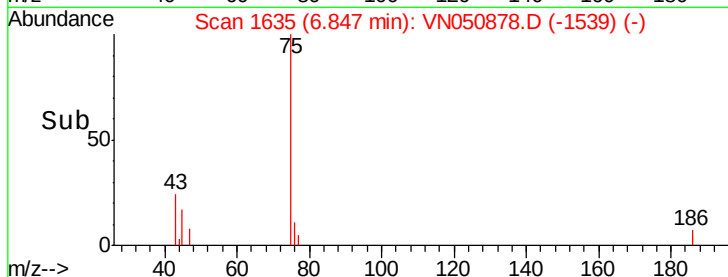
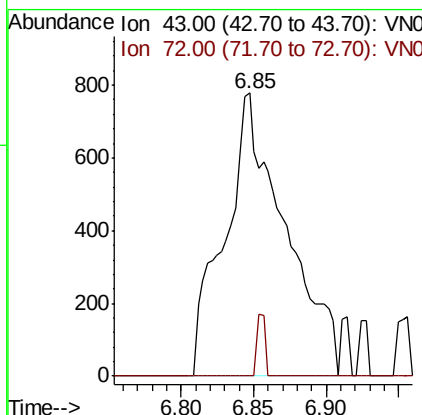
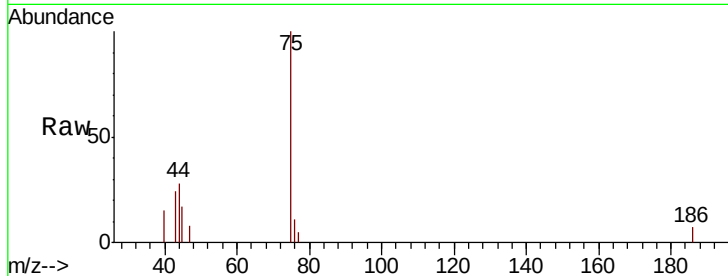




#25
2-Butanone
Concen: 0.75 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN050878.D
Acq: 24 Aug 2018 15:42

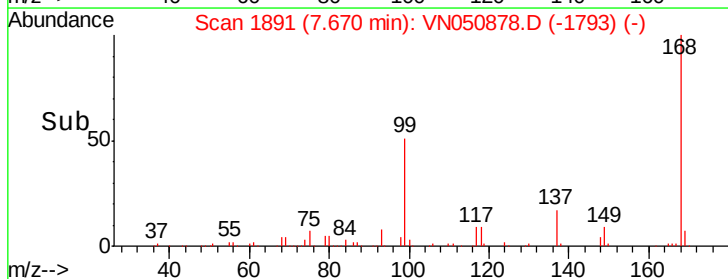
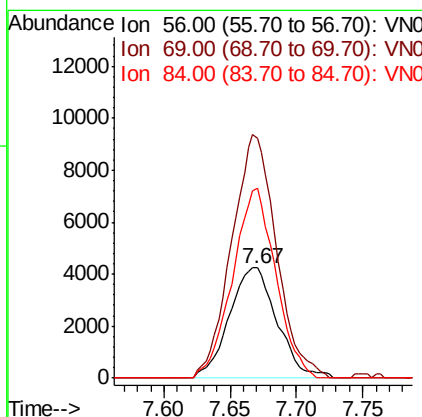
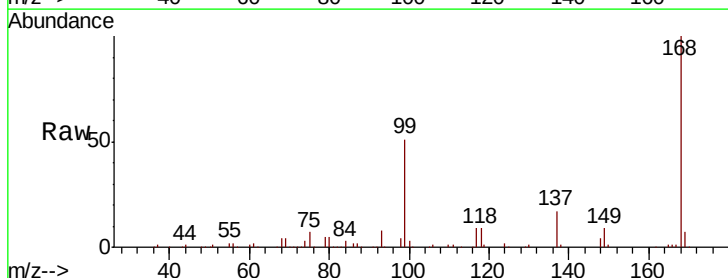
Instrument :
MSVOA_N
ClientSampleId :
PB112339ZHE#04

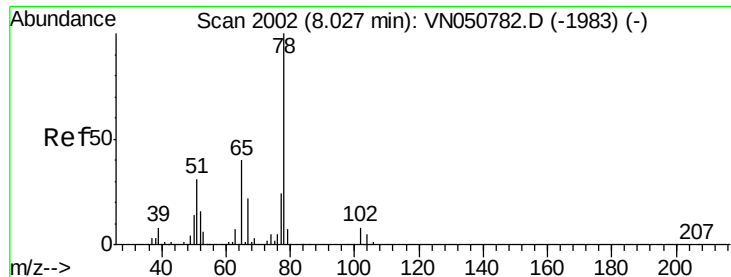
Tot Ion: 43 Resp: 2262
Ion Ratio Lower Upper
43 100
72 0.0 22.3 33.5#



#31
Cyclohexane
Concen: 1.29 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN050878.D
Acq: 24 Aug 2018 15:42

Tgt Ion: 56 Resp: 10662
Ion Ratio Lower Upper
56 100
69 217.7 26.2 39.4#
84 171.7 68.3 102.5#

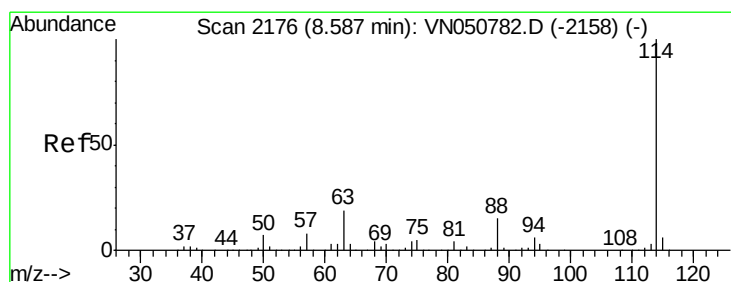
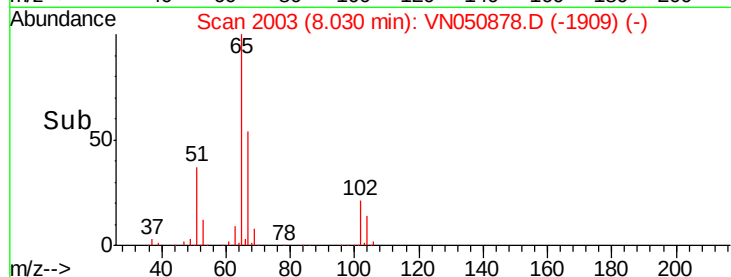
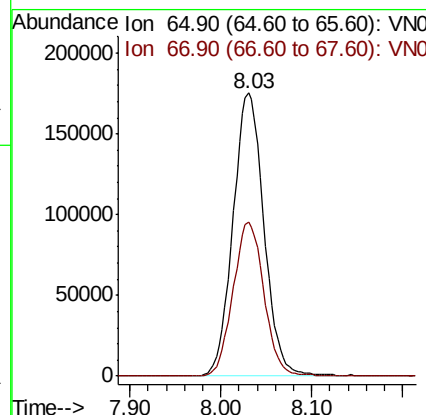
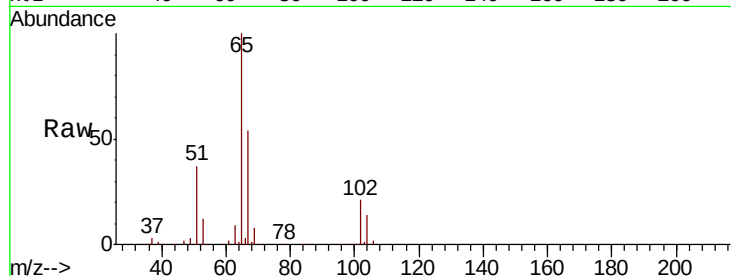




#33
 1,2-Dichloroethane-d4
 Concen: 55.00 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050878.D
 Acq: 24 Aug 2018 15:42

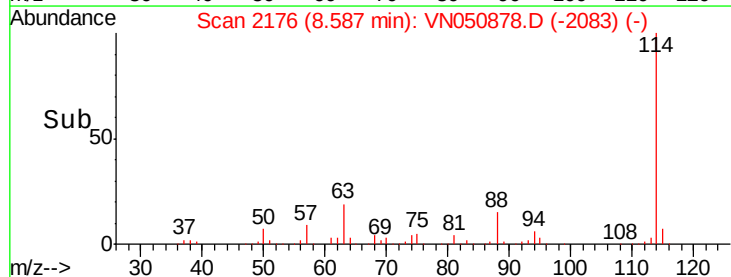
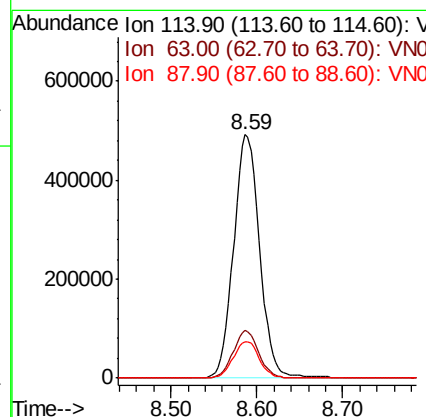
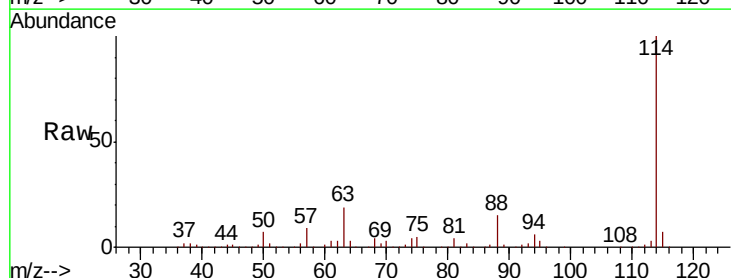
Instrument :
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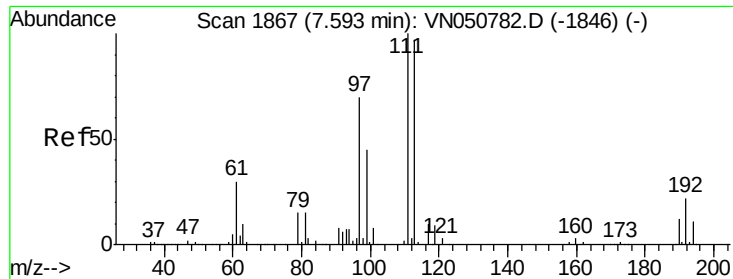
Tot Ion: 65 Resp: 414289
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050878.D
 Acq: 24 Aug 2018 15:42

Tgt Ion: 114 Resp: 1033929
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.1 0.0 30.6

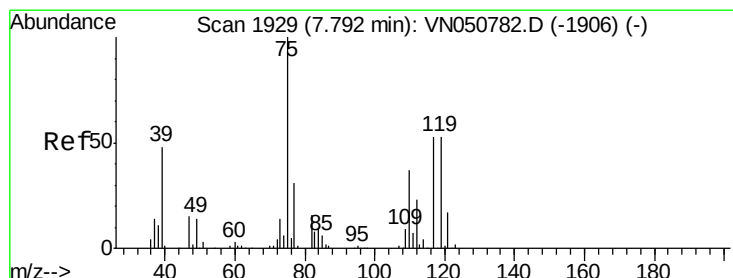
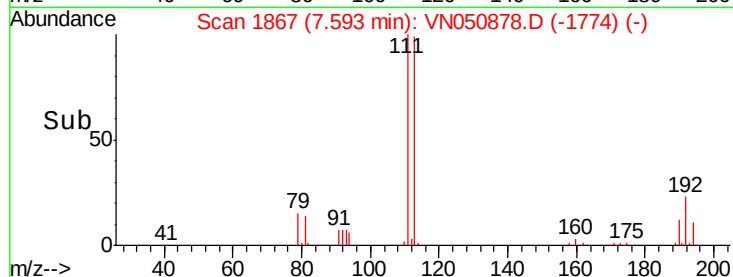
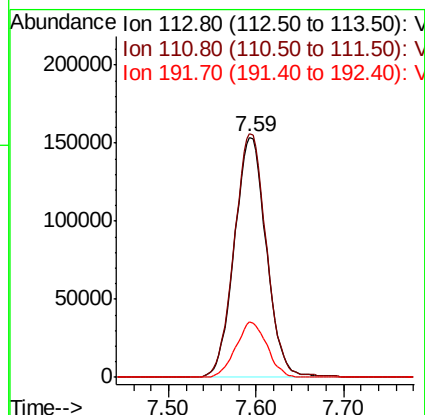
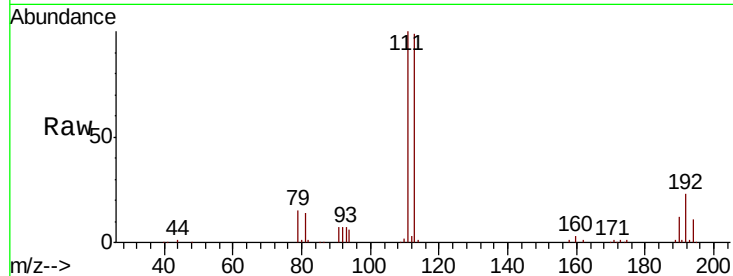




#35
 Dibromofluoromethane
 Concen: 47.33 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050878.D
 Acq: 24 Aug 2018 15:42

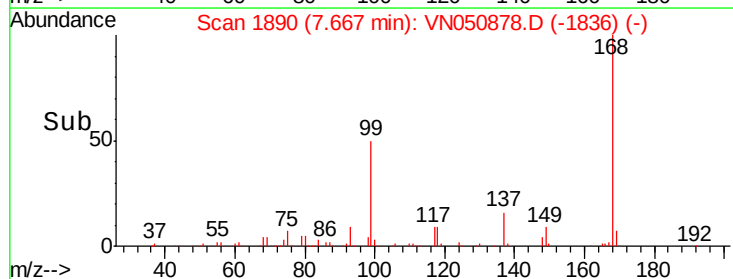
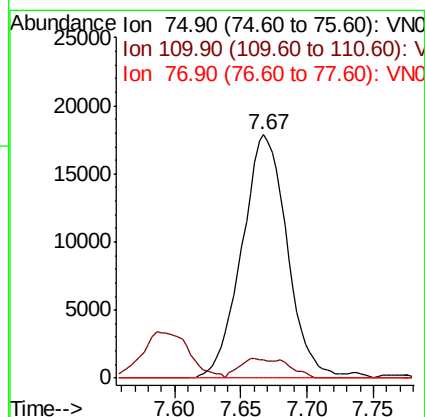
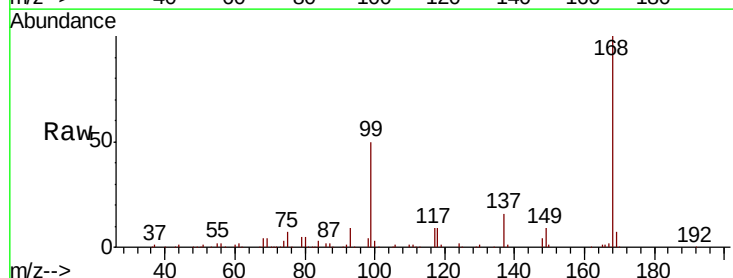
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112339ZHE#04

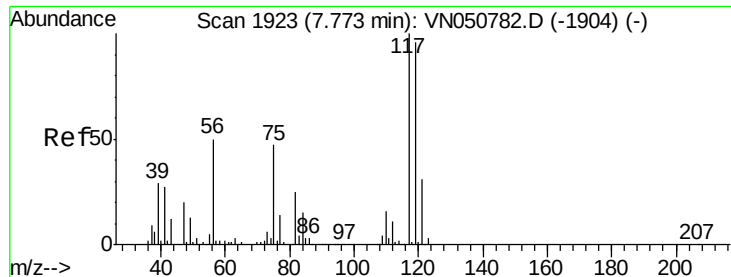
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	22.7	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.48 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050878.D
 Acq: 24 Aug 2018 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.5	18.1	54.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 4.42 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

PB112339ZHE#04

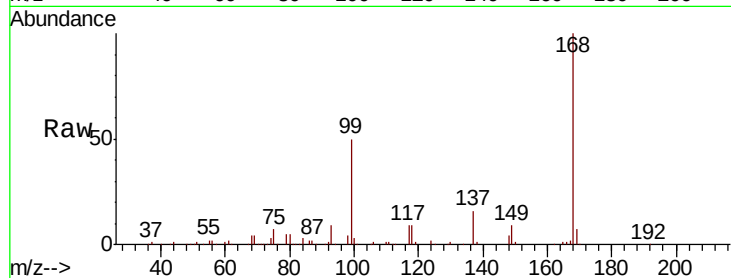
Tot Ion:117 Resp: 54459

Ion Ratio Lower Upper

117 100

119 6.3 76.3 114.5#

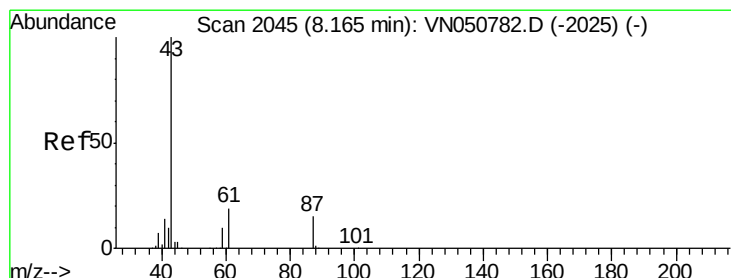
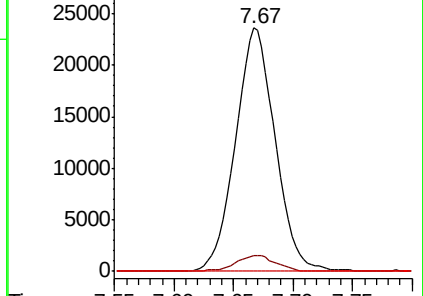
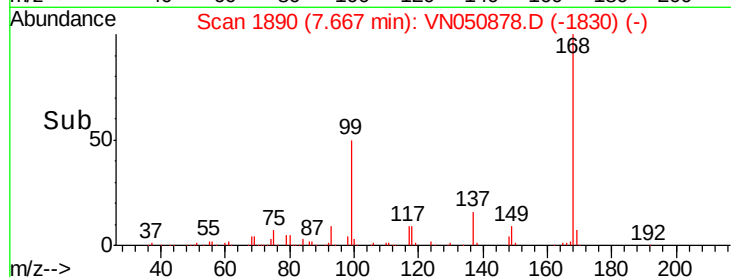
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 27.03 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

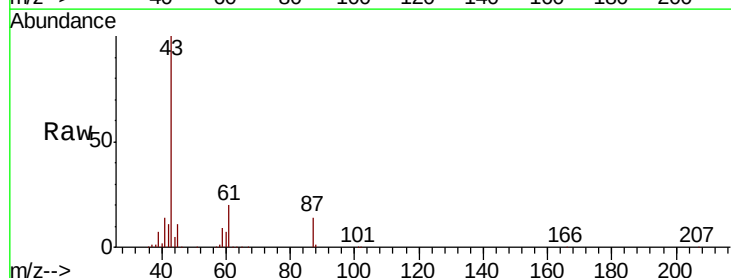
Tgt Ion: 43 Resp: 325780

Ion Ratio Lower Upper

43 100

61 17.1 17.5 26.3#

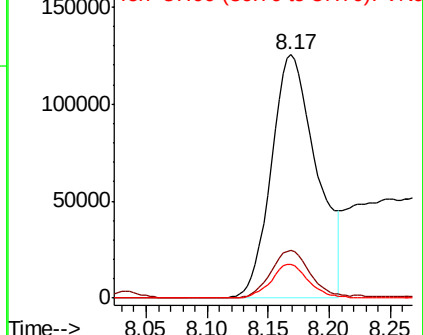
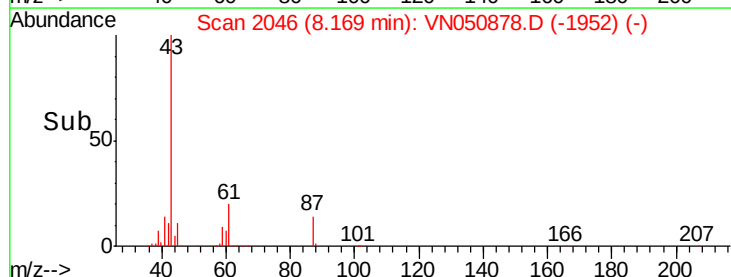
87 11.6 11.3 16.9

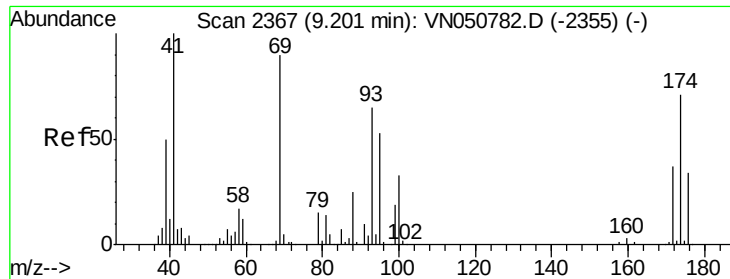


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

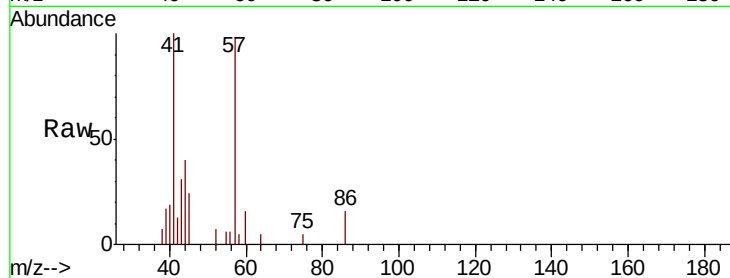




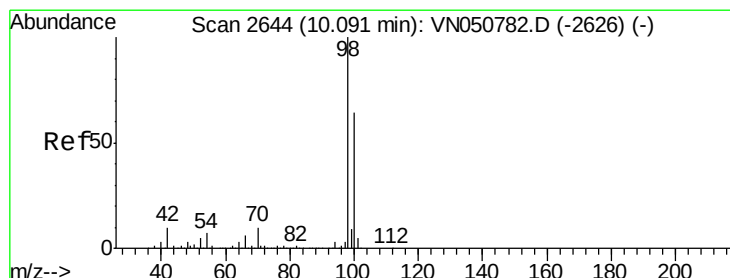
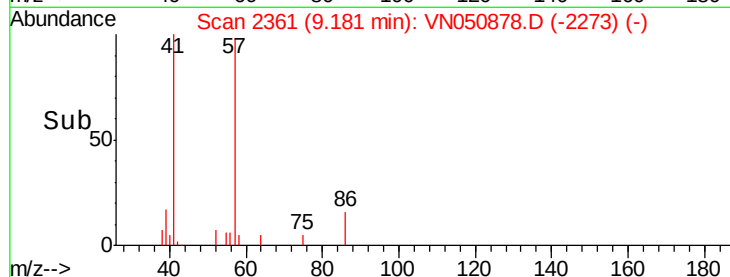
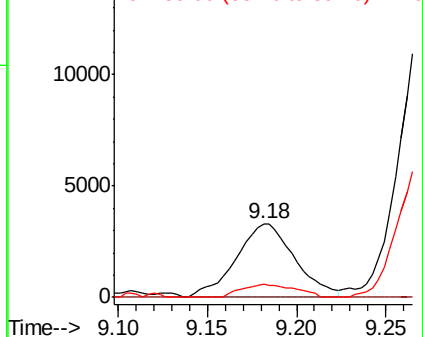
#48
Methyl methacrylate
Concen: 1.24 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050878.D
Acq: 24 Aug 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
PB112339ZHE#04

Tot Ion: 41 Resp: 7625
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 16.1 42.2 63.2#

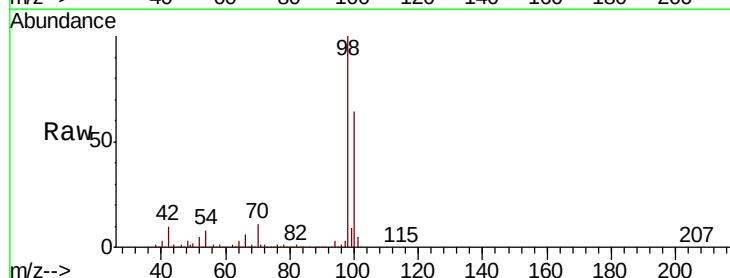


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

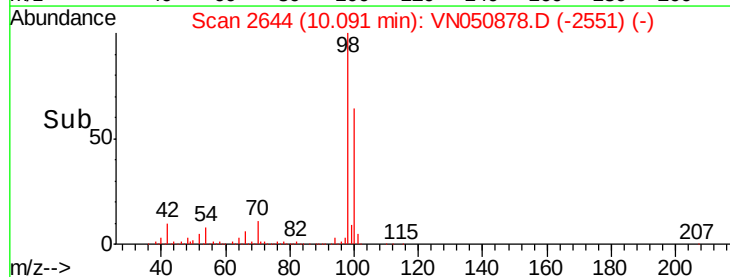
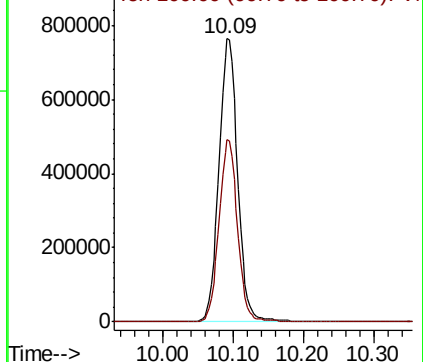


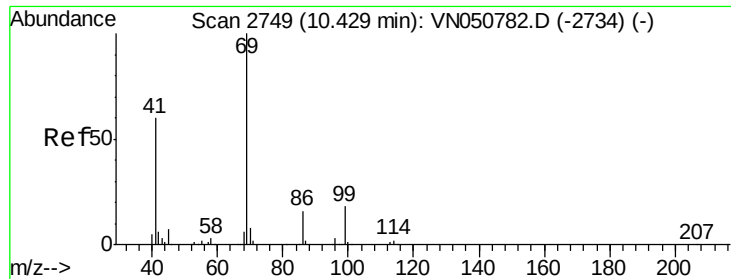
#50
Toluene-d8
Concen: 45.90 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050878.D
Acq: 24 Aug 2018 15:42

Tgt Ion: 98 Resp: 1411578
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



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





#56

Ethyl methacrylate

Concen: 2.55 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

PB112339ZHE#04

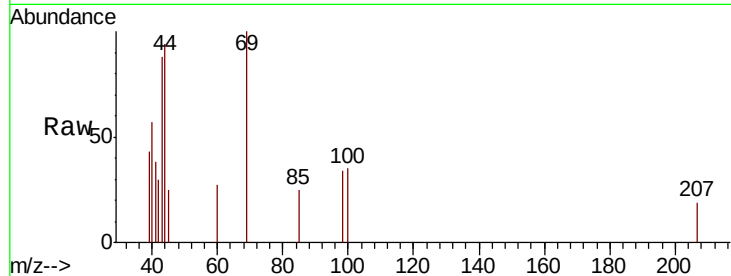
Tot Ion: 69 Resp: 2169

Ion Ratio Lower Upper

69 100

41 31.5 48.3 72.5#

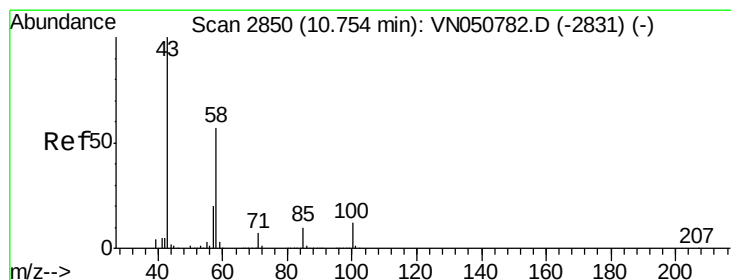
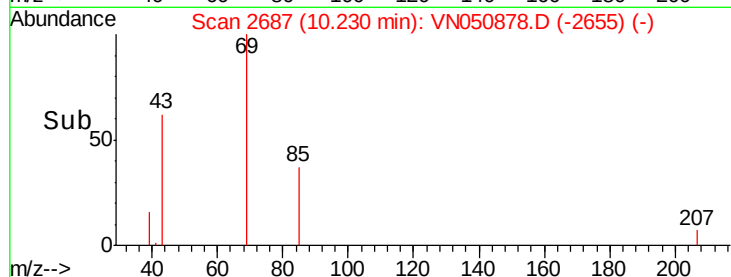
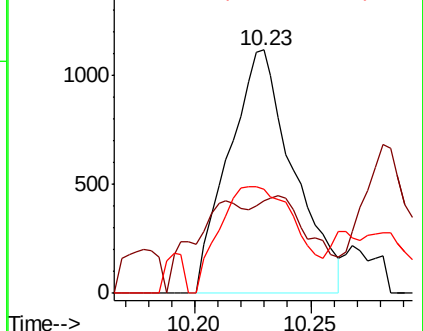
39 52.3 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 3.75 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050878.D

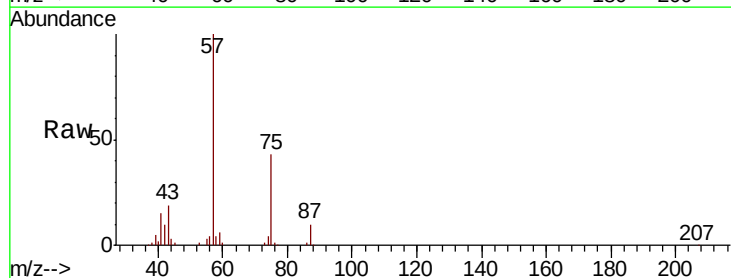
Acq: 24 Aug 2018 15:42

Tgt Ion: 43 Resp: 17930

Ion Ratio Lower Upper

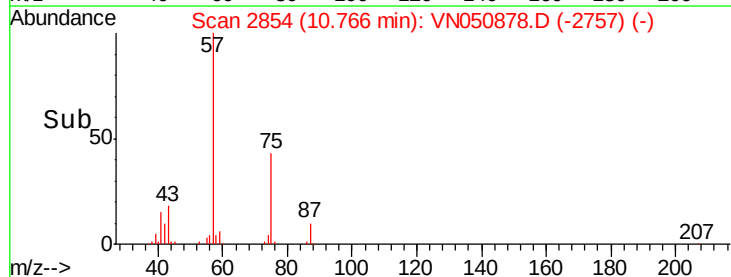
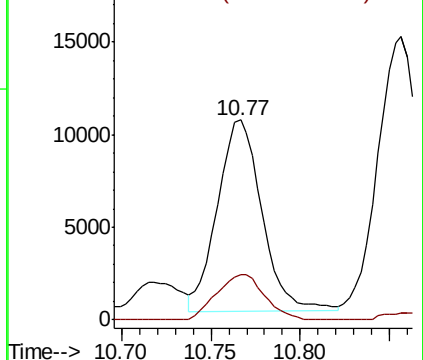
43 100

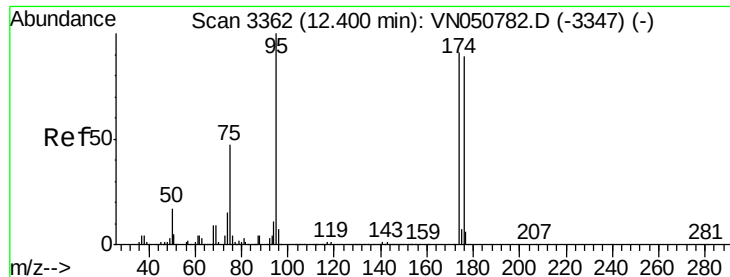
58 25.5 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 36.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

PB112339ZHE#04

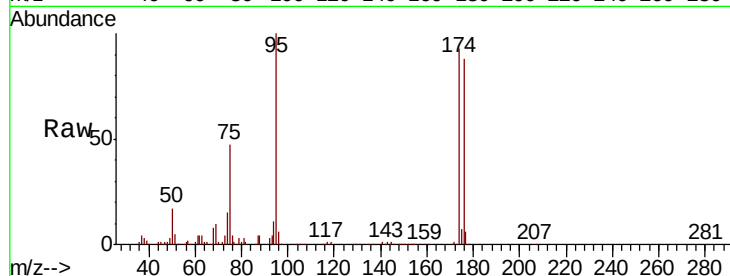
Tot Ion: 95 Resp: 373969

Ion Ratio Lower Upper

95 100

174 91.5 0.0 183.0

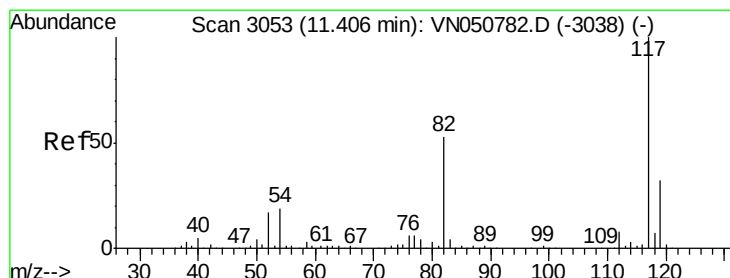
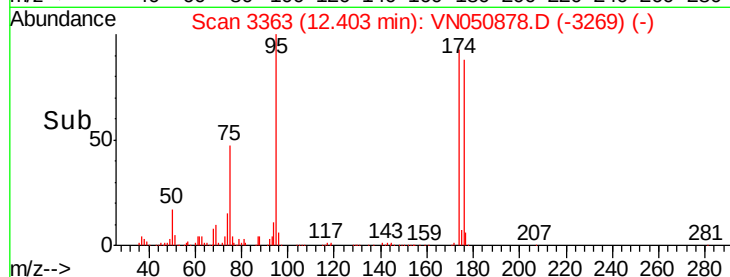
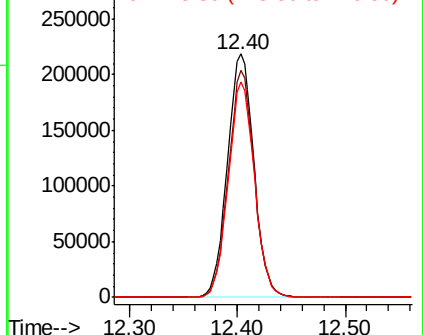
176 87.1 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050782.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050782.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN050782.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

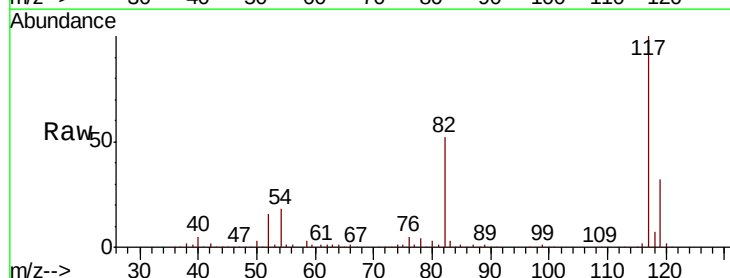
Tgt Ion: 117 Resp: 878906

Ion Ratio Lower Upper

117 100

82 52.1 42.6 64.0

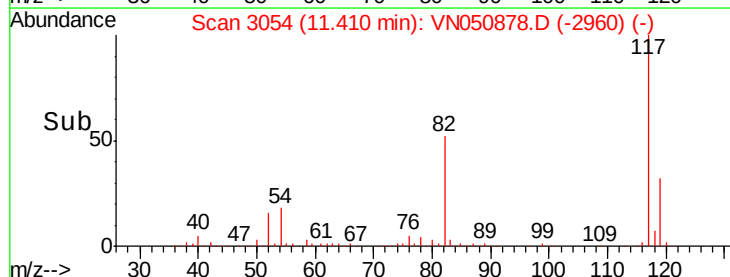
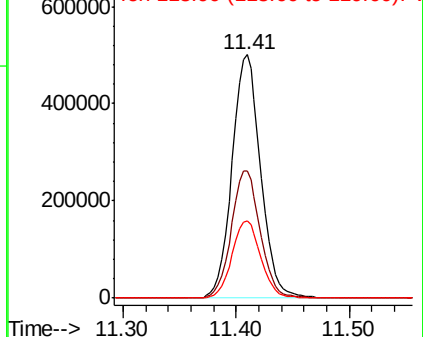
119 31.7 25.8 38.6

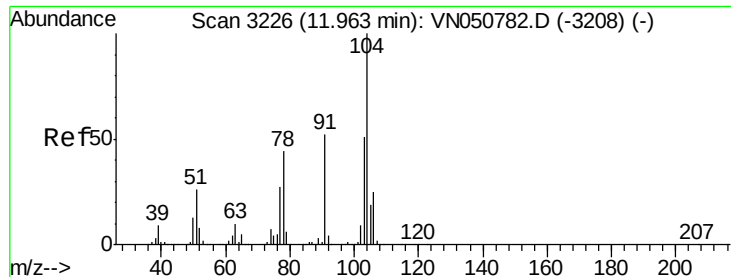


Abundance Ion 116.90 (116.60 to 117.60): VN050782.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050782.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050782.D (-3038) (-)





#70

Stvrene

Concen: 1.28 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

PB112339ZHE#04

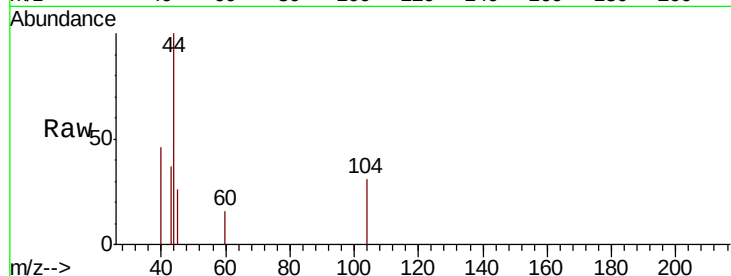
Tot Ion:104 Resp: 318

Ion Ratio Lower Upper

104 100

78 0.0 38.2 57.4#

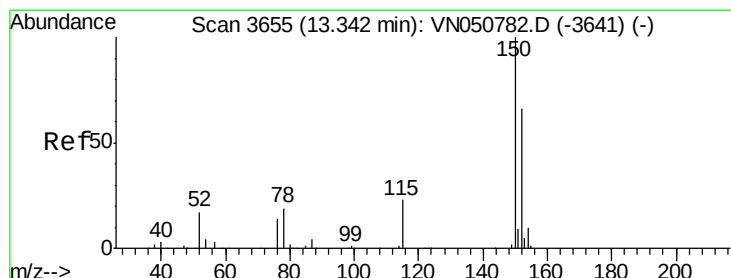
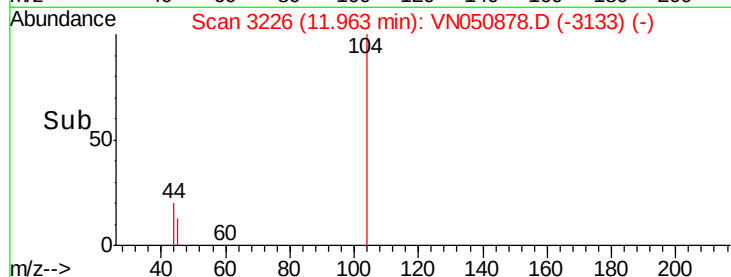
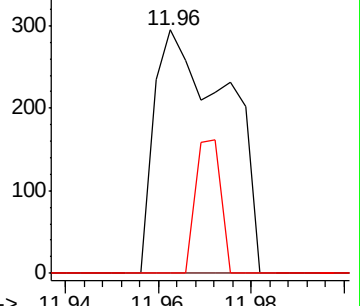
103 19.5 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): 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: VN050878.D

Acq: 24 Aug 2018 15:42

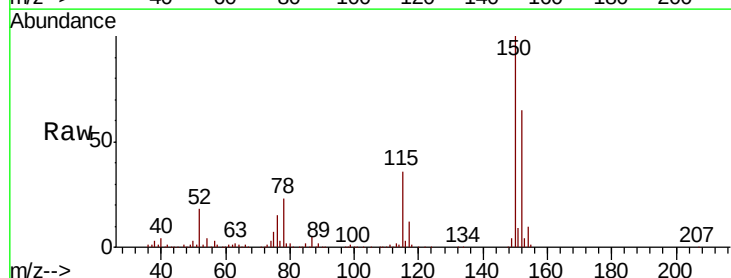
Tgt Ion:152 Resp: 288144

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

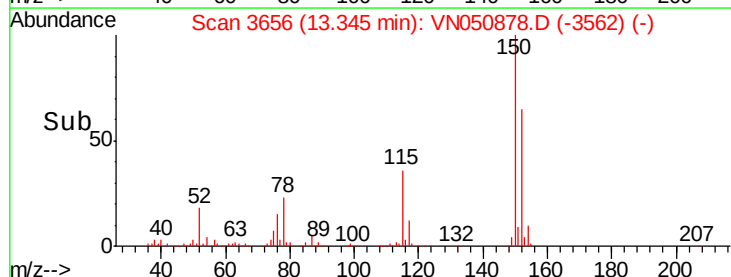
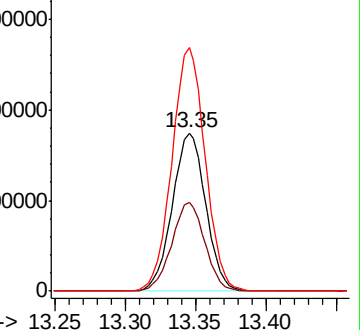
150 154.0 0.0 351.4

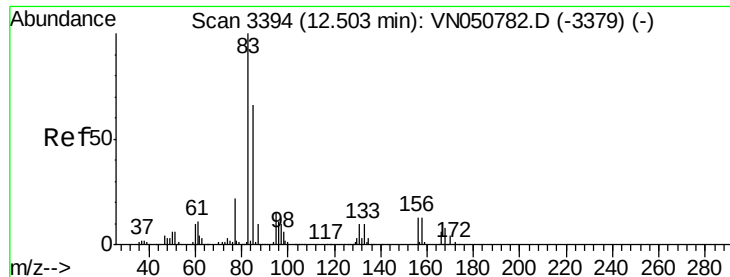


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

PB112339ZHE#04

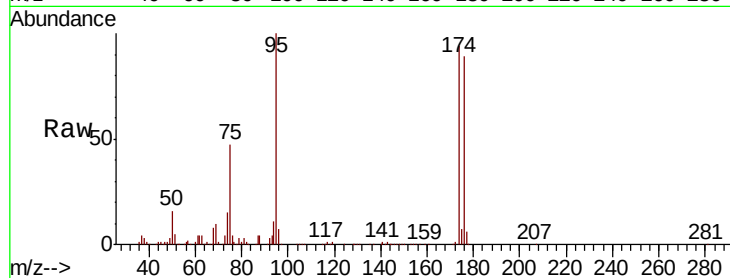
Tot Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

131 601.6 5.3 15.9#

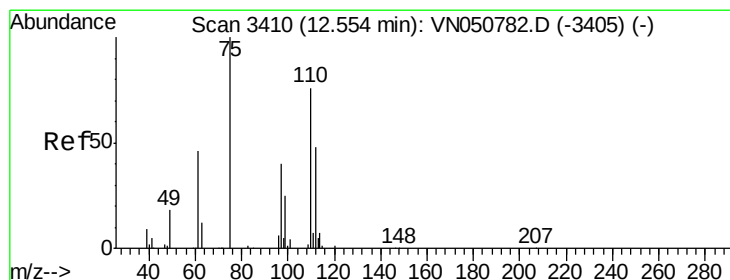
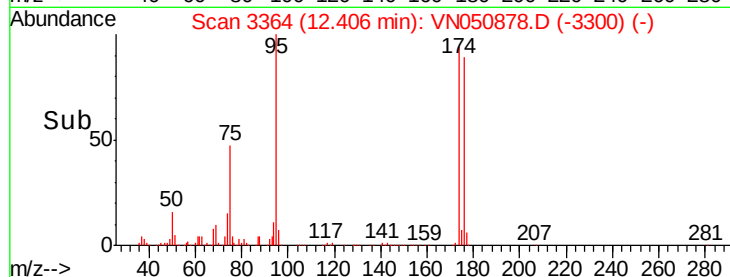
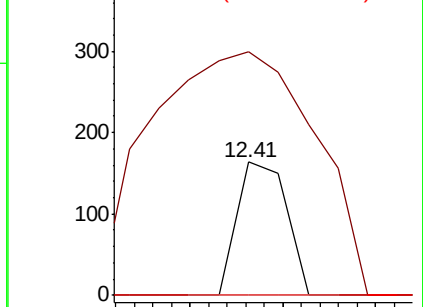
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 34.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050878.D

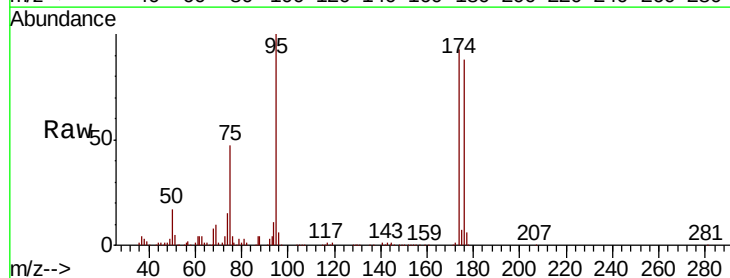
Acq: 24 Aug 2018 15:42

Tgt Ion: 75 Resp: 176368

Ion Ratio Lower Upper

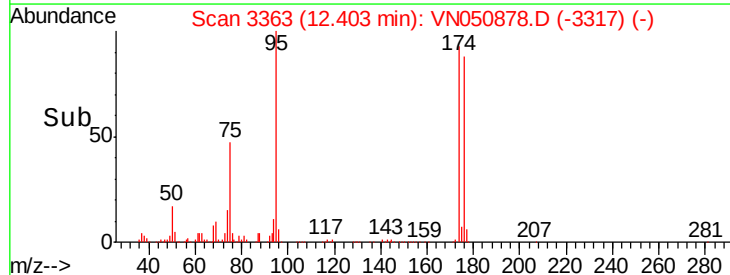
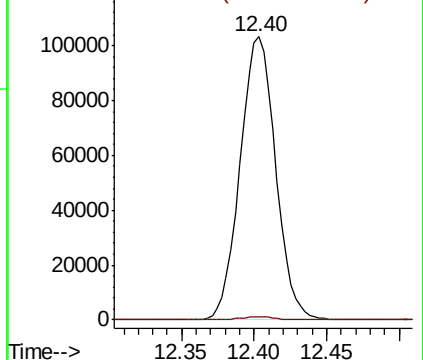
75 100

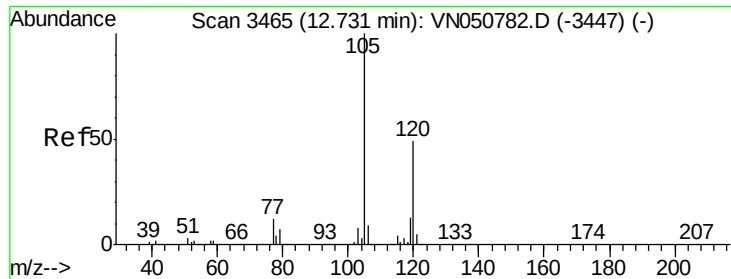
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.25 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

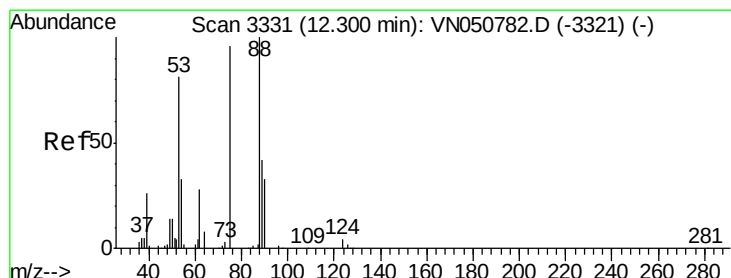
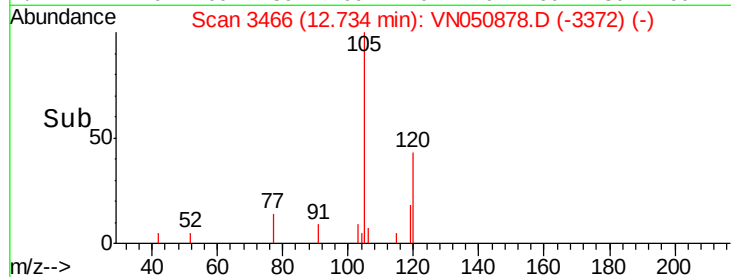
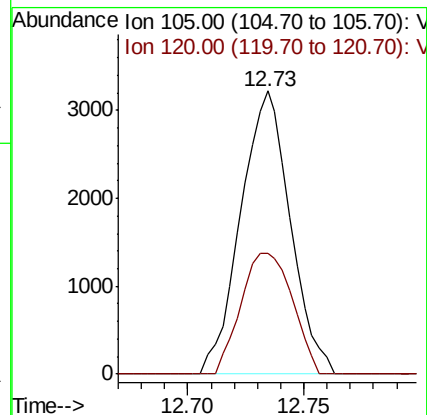
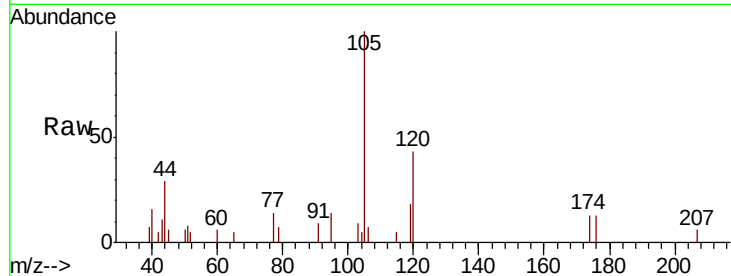
PB112339ZHE#04

Tot Ion:105 Resp: 4788

Ion Ratio Lower Upper

105 100

120 44.2 24.6 74.0



#81

trans-1,4-Dichloro-2-butene

Concen: 118.14 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

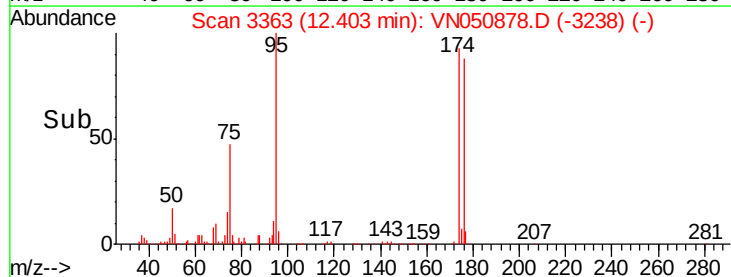
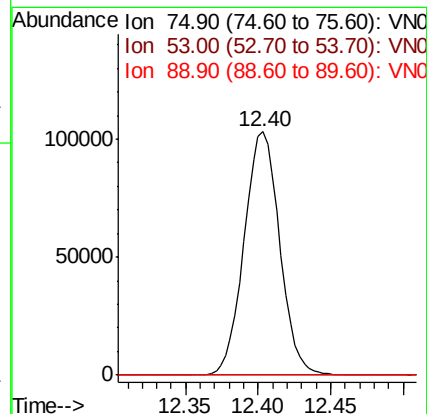
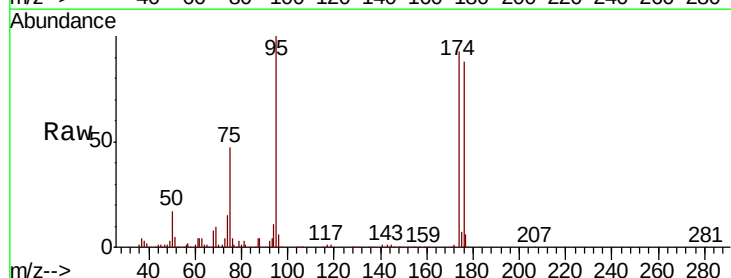
Tgt Ion: 75 Resp: 176368

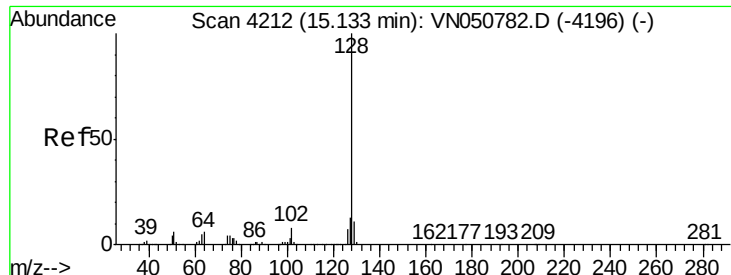
Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

89 0.0 36.1 54.1#





#95

Naphthalene

Concen: 5.43 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN050878.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

PB112339ZHE#04

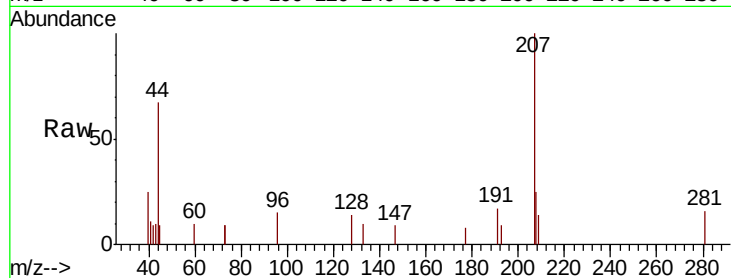
Tot Ion:128 Resp: 444

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 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

