

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050988.D
 Acq On : 31 Aug 2018 15:15
 Operator : MD\SY
 Sample : PB112510ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112510ZHE#01

Quant Time: Aug 31 23:02:08 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	580041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	966413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	819145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264950	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	379735	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	7.59	113	363576	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
50) Toluene-d8	10.09	98	1307144	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	
62) 4-Bromofluorobenzene	12.40	95	342011	35.81	ug/l	0.00
Spiked Amount			Recovery	=	71.62%	

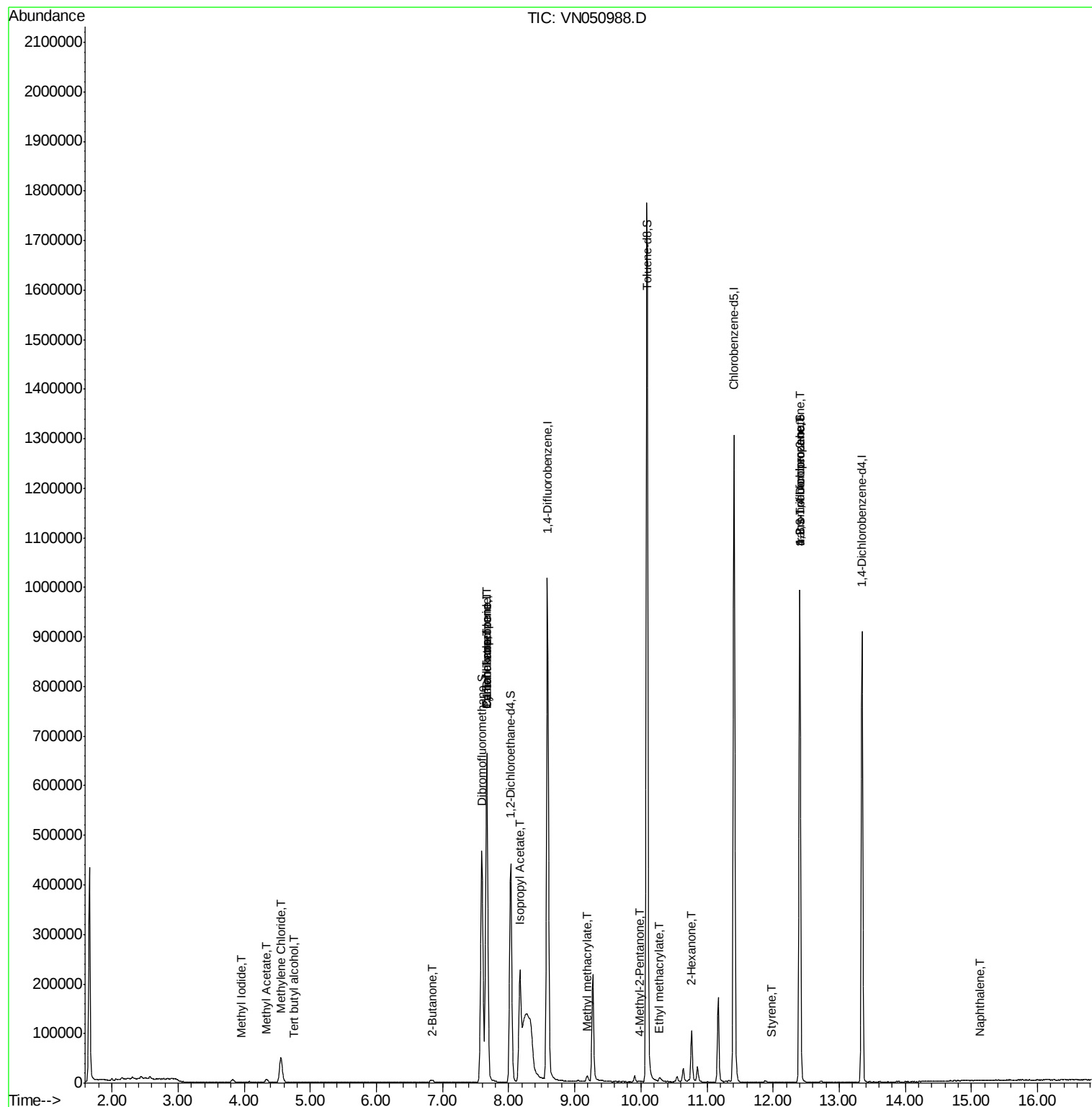
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2484	Below Cal	#	75
10) Methyl Iodide	3.95	142	762	6.45	ug/l #	59
11) Tert butyl alcohol	4.75	59	188	0.42	ug/l #	72
16) Acetone	3.82	43	11199	Below Cal		99
18) Methyl Acetate	4.34	43	13725	2.08	ug/l #	89
20) Methylene Chloride	4.55	84	39385	5.00	ug/l	97
25) 2-Butanone	6.85	43	852	0.30	ug/l #	78
31) Cyclohexane	7.67	56	9712	1.28	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	37985	3.33	ug/l #	43
38) Carbon Tetrachloride	7.67	117	50282	4.36	ug/l #	17
43) Isopropyl Acetate	8.17	43	292782	25.99	ug/l #	92
48) Methyl methacrylate	9.18	41	7841	1.37	ug/l #	17
51) 4-Methyl-2-Pentanone	9.98	43	1574	0.23	ug/l	94
56) Ethyl methacrylate	10.28	69	160	2.37	ug/l #	1
59) 2-Hexanone	10.77	43	15318	3.42	ug/l #	58
70) Styrene	11.97	104	30	1.27	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	12.41	83	186	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	160538	34.59	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	160538	116.95	ug/l #	15
95) Naphthalene	15.13	128	493	5.44	ug/l #	69

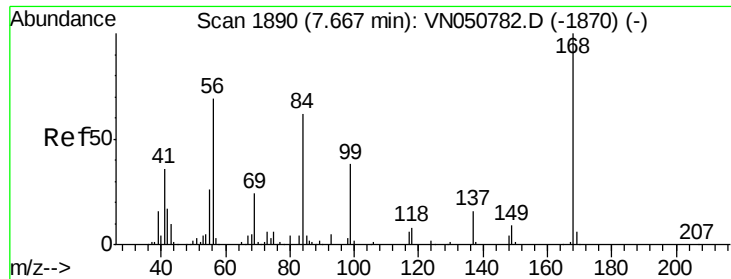
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050988.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_N

ClientSampleId :

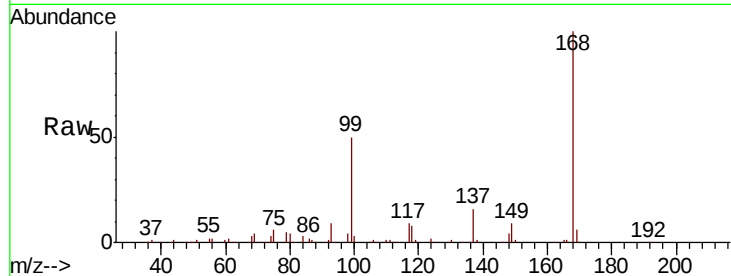
PB112510ZHE#01

Tot Ion:168 Resp: 580041

Ion Ratio Lower Upper

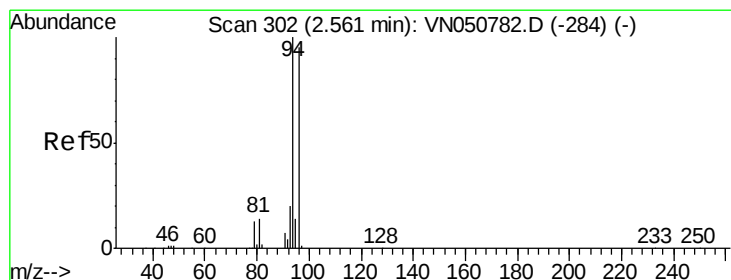
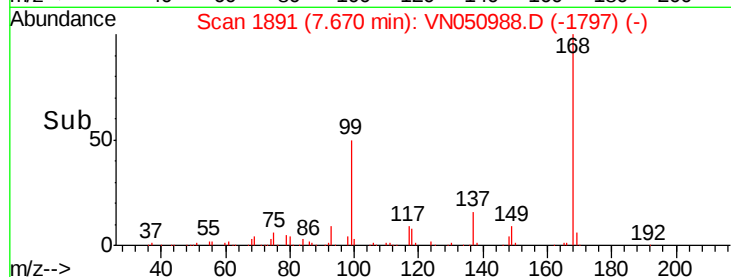
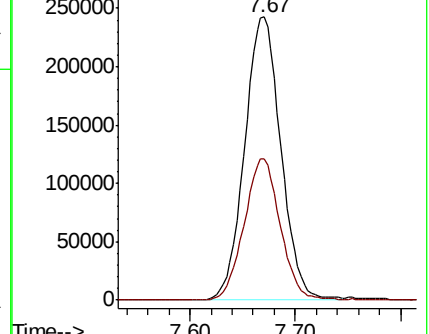
168 100

99 50.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050988.D

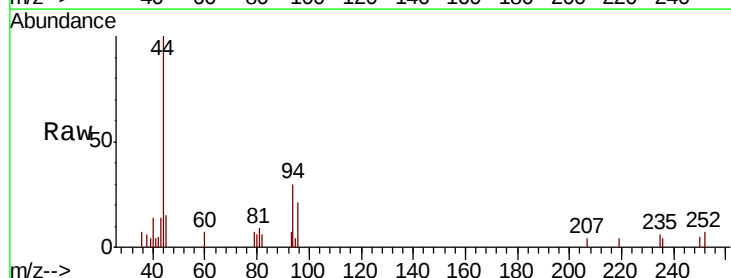
Acq: 31 Aug 2018 15:15

Tgt Ion: 94 Resp: 2484

Ion Ratio Lower Upper

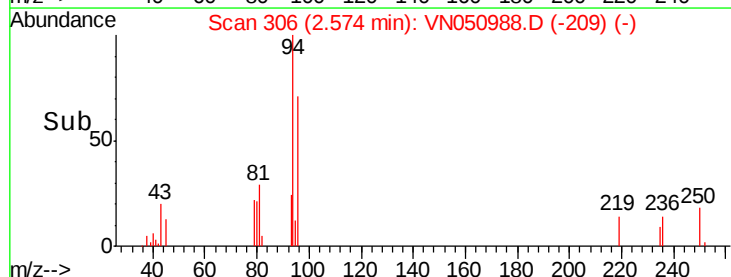
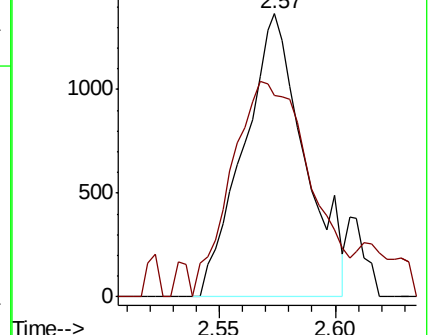
94 100

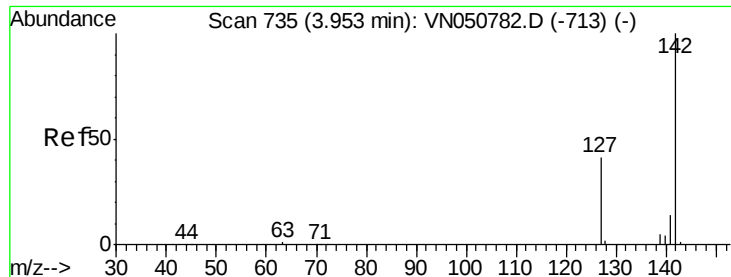
96 71.0 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

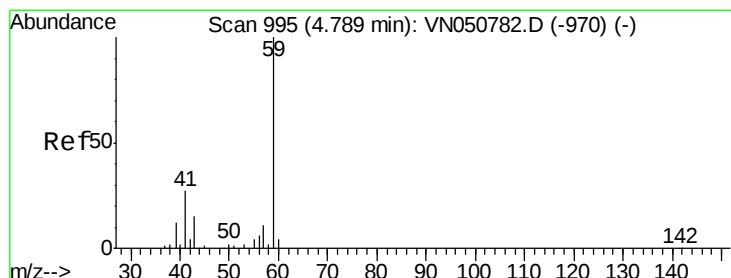
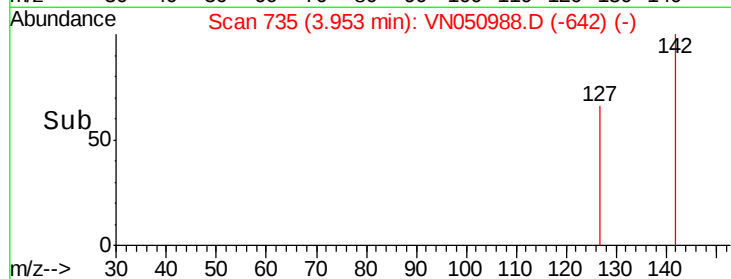
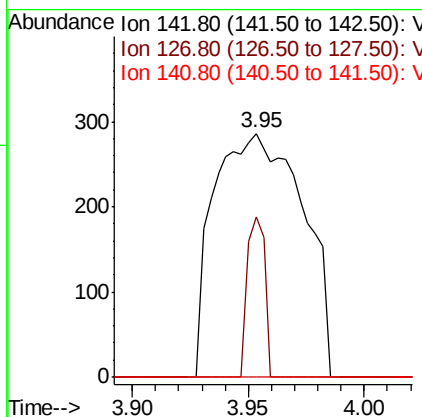
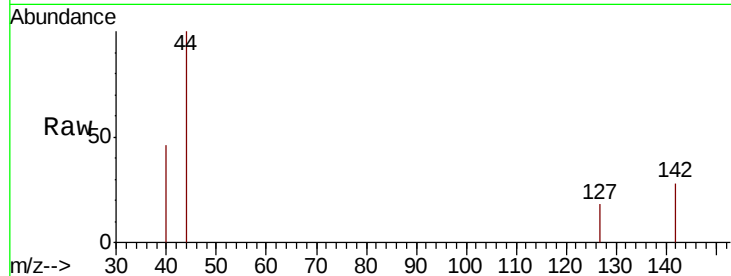




#10
Methvl Iodide
Concen: 6.45 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050988.D
Acq: 31 Aug 2018 15:15

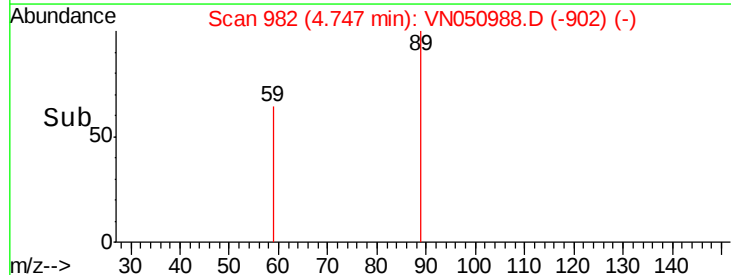
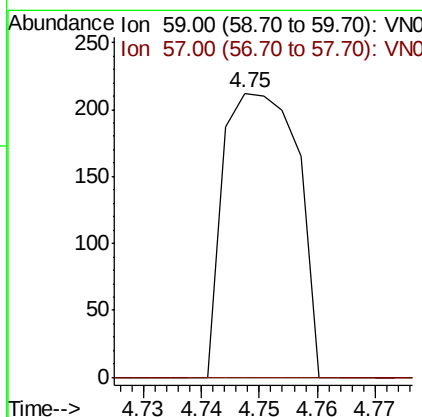
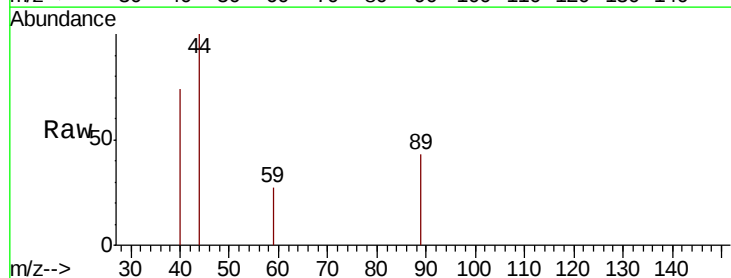
Instrument :
MSVOA_N
ClientSampleId :
PB112510ZHE#01

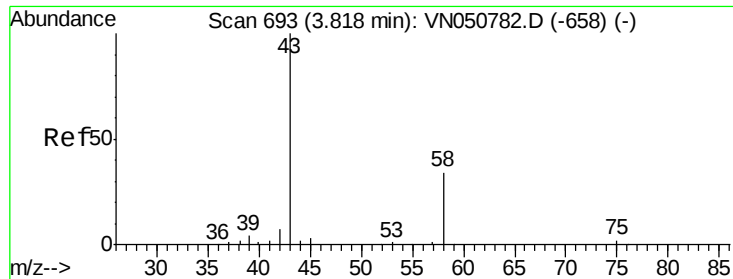
Tot Ion:142 Resp: 762
Ion Ratio Lower Upper
142 100
127 13.0 31.7 47.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.42 ug/l
RT: 4.75 min Scan# 982
Delta R.T. -0.04 min
Lab File: VN050988.D
Acq: 31 Aug 2018 15:15

Tgt Ion: 59 Resp: 188
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050988.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_N

ClientSampleId :

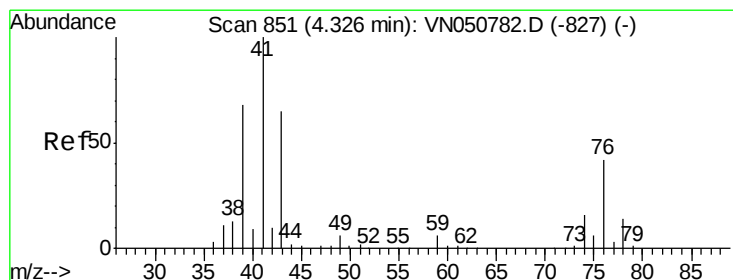
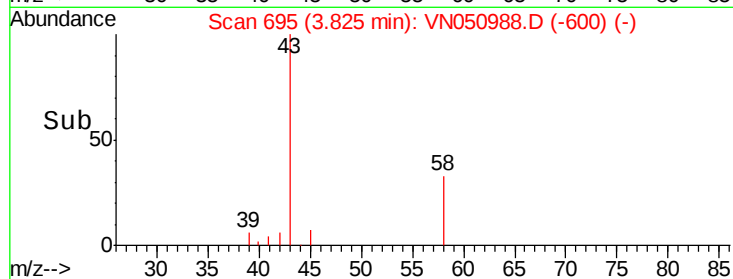
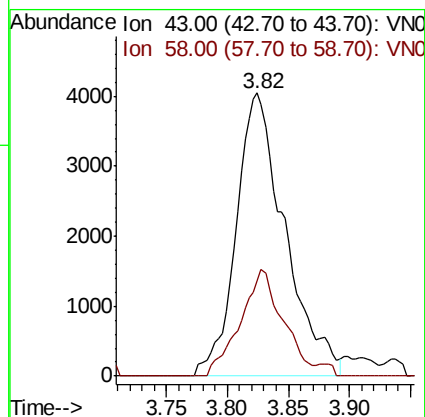
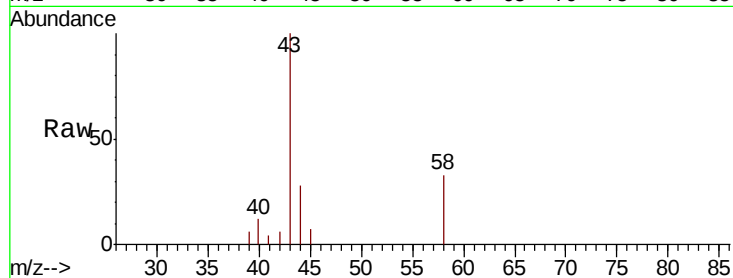
PB112510ZHE#01

Tot Ion: 43 Resp: 11199

Ion Ratio Lower Upper

43 100

58 33.4 27.2 40.8



#18

Methyl Acetate

Concen: 2.08 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050988.D

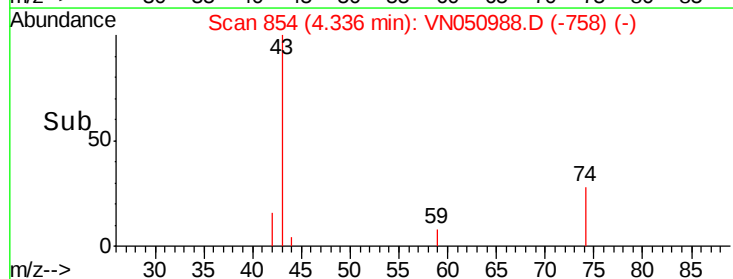
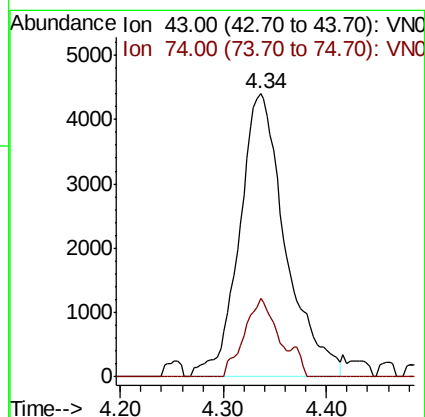
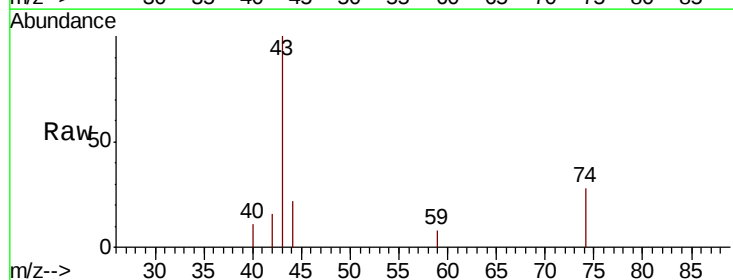
Acq: 31 Aug 2018 15:15

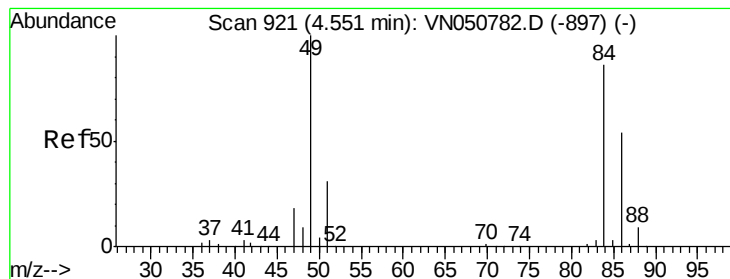
Tgt Ion: 43 Resp: 13725

Ion Ratio Lower Upper

43 100

74 19.4 19.8 29.8#





#20

Methylene Chloride

Concen: 5.00 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050988.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB112510ZHE#01

Tot Ion: 84 Resp: 39385

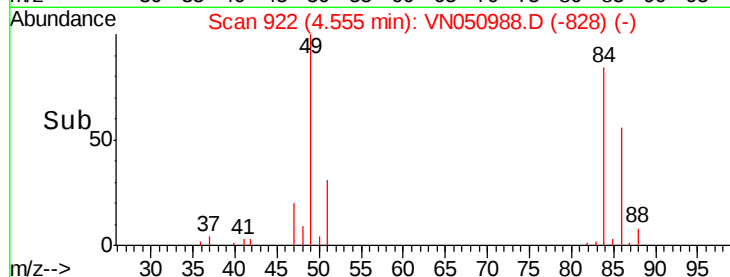
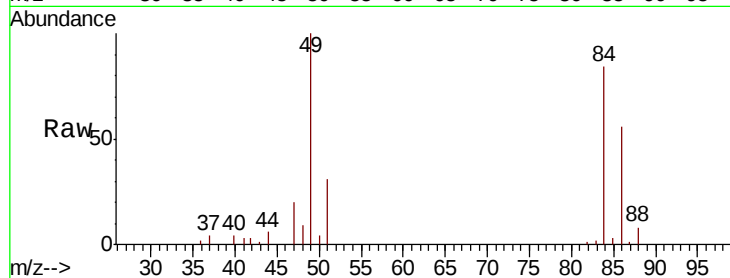
Ion Ratio Lower Upper

84 100

49 118.2 93.2 139.8

51 36.7 29.0 43.6

86 67.3 49.8 74.8

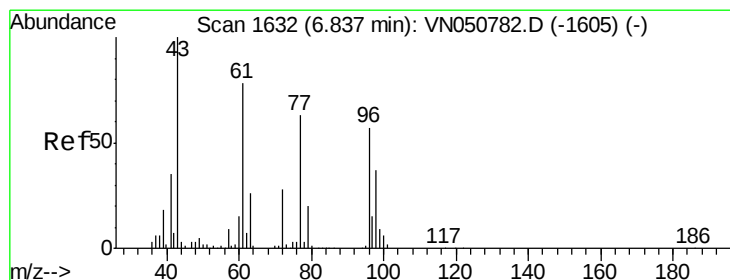
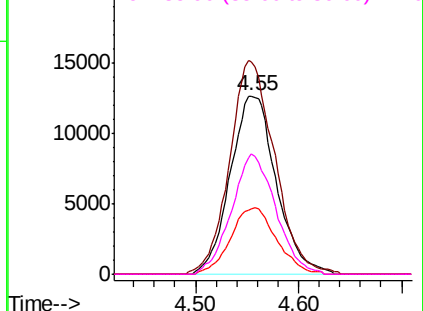


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.30 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. 0.02 min

Lab File: VN050988.D

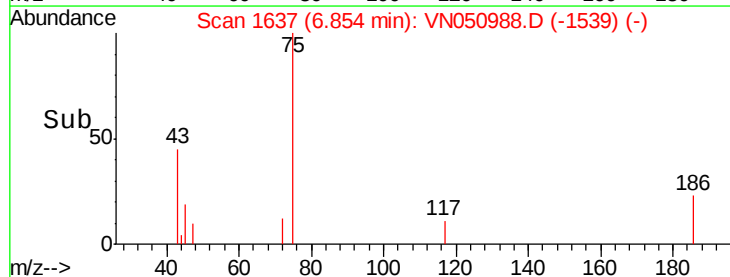
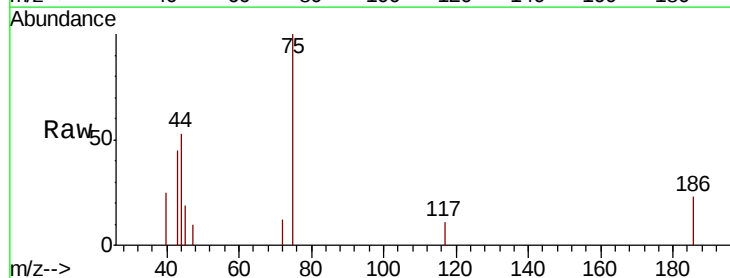
Acq: 31 Aug 2018 15:15

Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

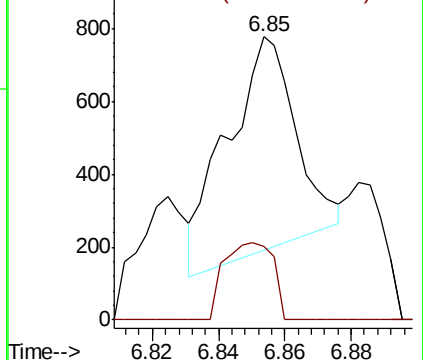
43 100

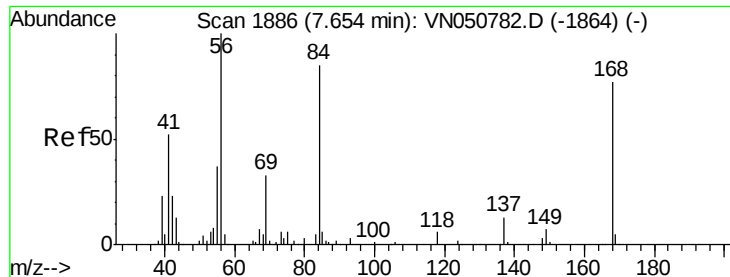
72 39.6 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

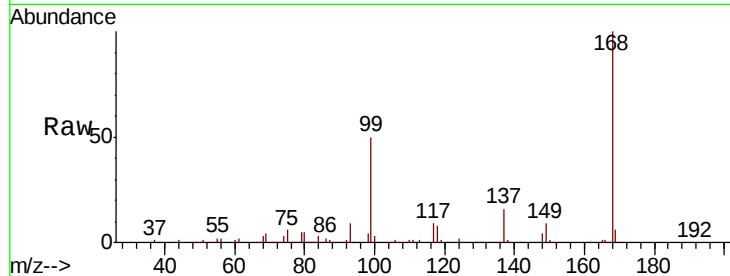




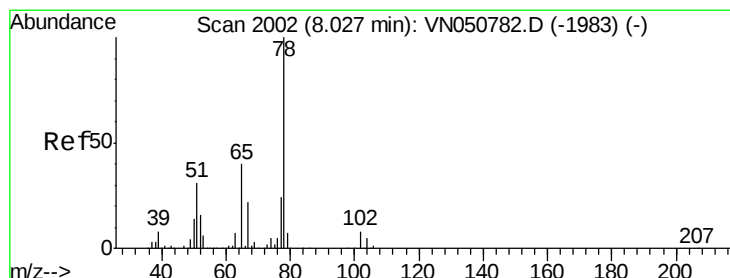
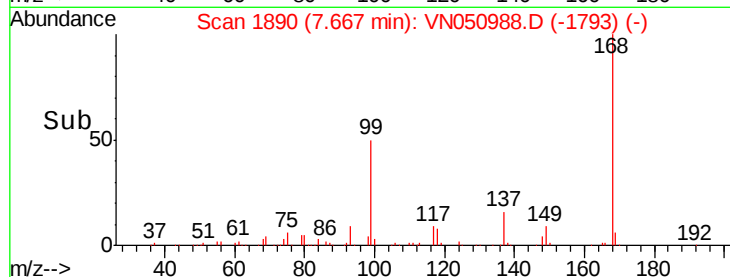
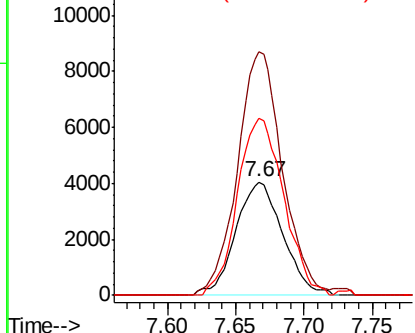
#31
Cyclohexane
Concen: 1.28 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050988.D
Acq: 31 Aug 2018 15:15

Instrument :
MSVOA_N
ClientSampleId :
PB112510ZHE#01

Tot Ion: 56 Resp: 9712
Ion Ratio Lower Upper
56 100
69 214.7 26.2 39.4#
84 156.4 68.3 102.5#

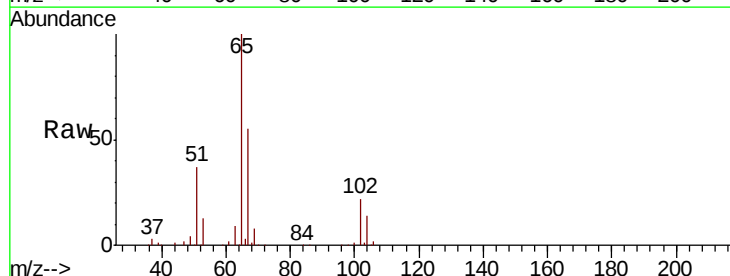


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

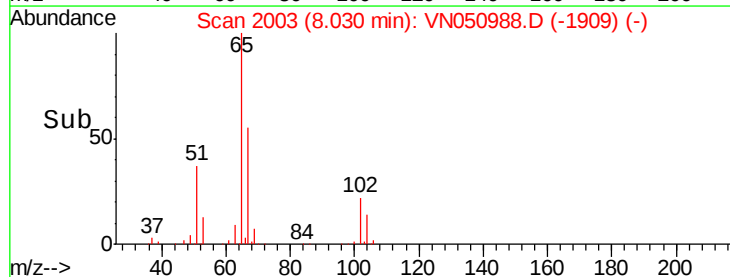
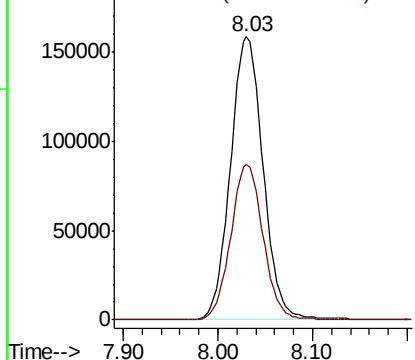


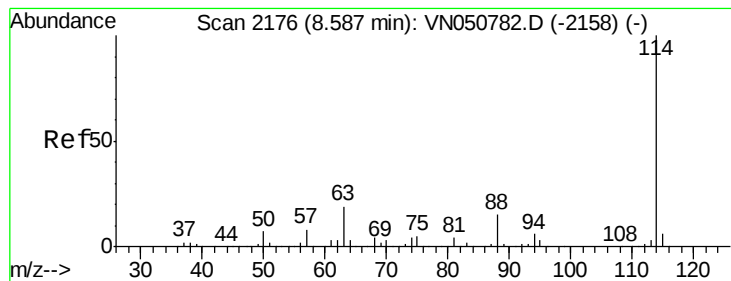
#33
1,2-Dichloroethane-d4
Concen: 54.38 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050988.D
Acq: 31 Aug 2018 15:15

Tgt Ion: 65 Resp: 379735
Ion Ratio Lower Upper
65 100
67 54.5 0.0 110.4



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: VN050988.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB112510ZHE#01

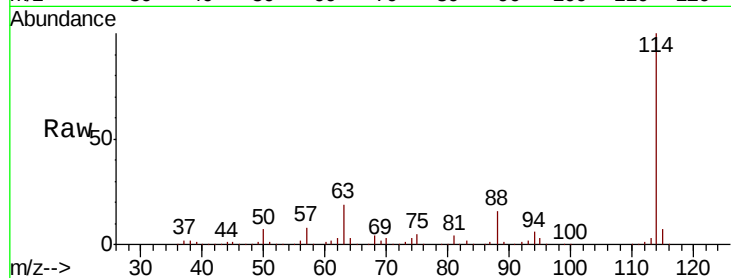
Tot Ion:114 Resp: 966413

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

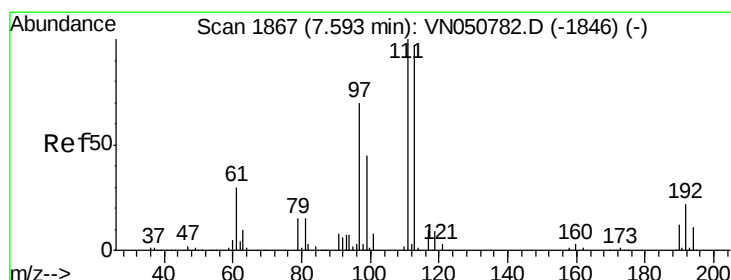
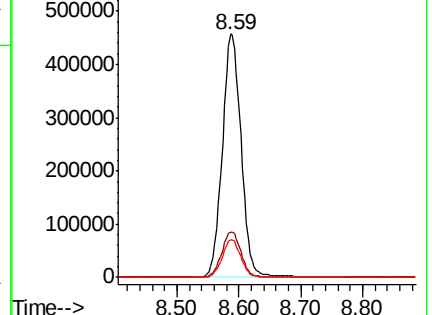
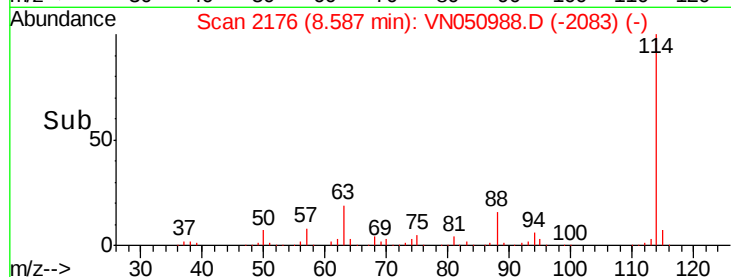
88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.29 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050988.D

Acq: 31 Aug 2018 15:15

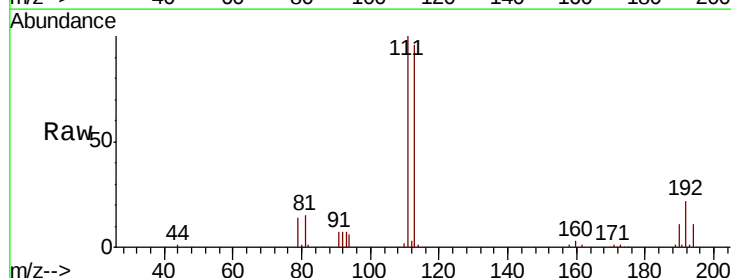
Tgt Ion:113 Resp: 363576

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

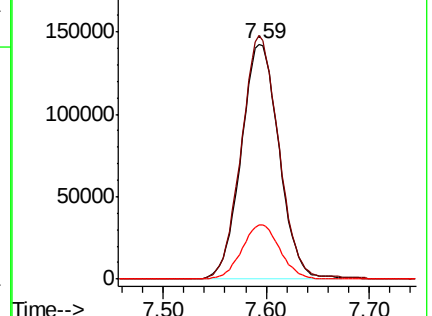
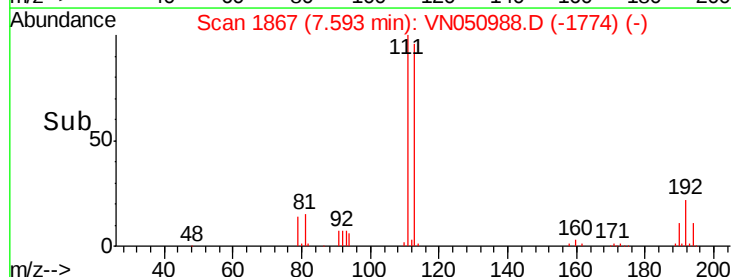
192 23.3 18.0 27.0

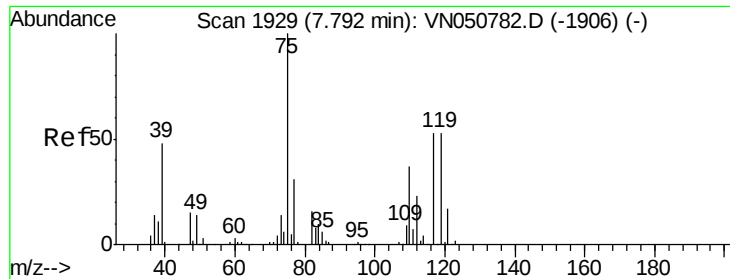


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

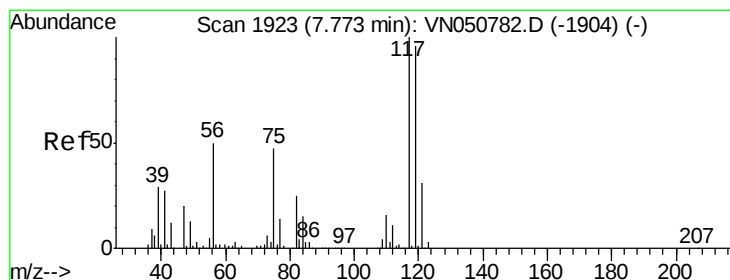
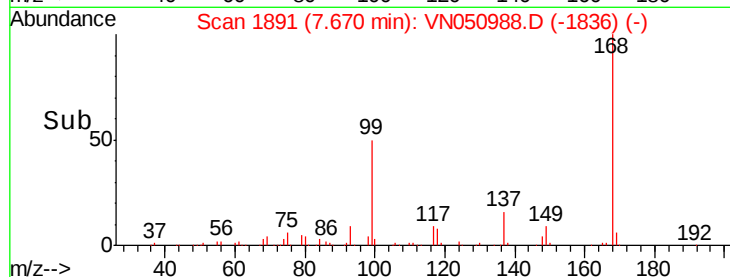
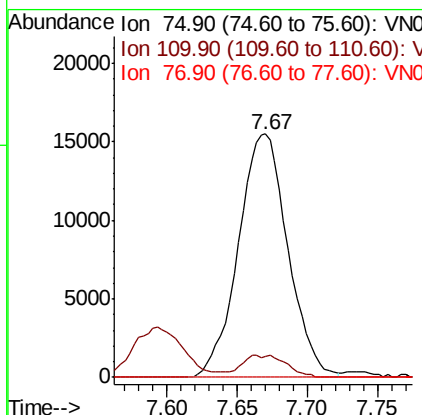
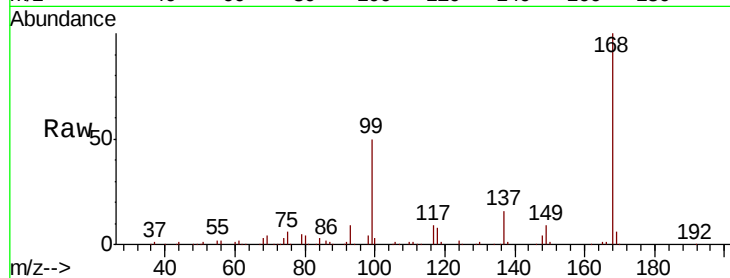




#36
 1,1-Dichloropropene
 Concen: 3.33 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN050988.D
 Acq: 31 Aug 2018 15:15

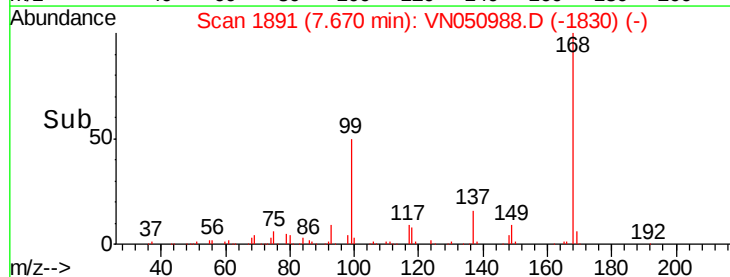
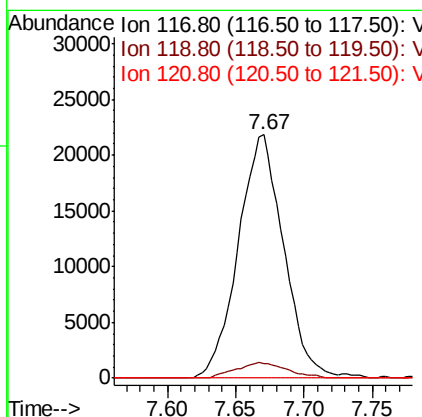
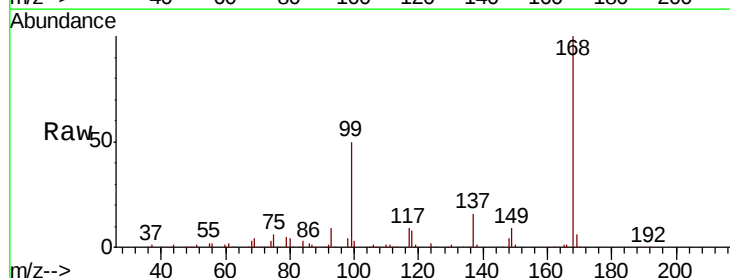
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112510ZHE#01

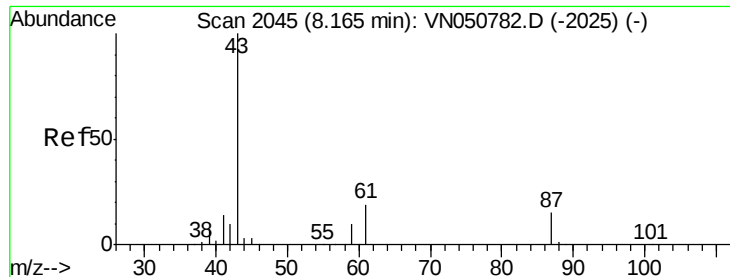
Tot Ion	Ratio	Lower	Upper
75	100		
110	2.6	18.1	54.4#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 4.36 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.10 min
 Lab File: VN050988.D
 Acq: 31 Aug 2018 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.3	114.5#
121	0.0	24.6	36.8#



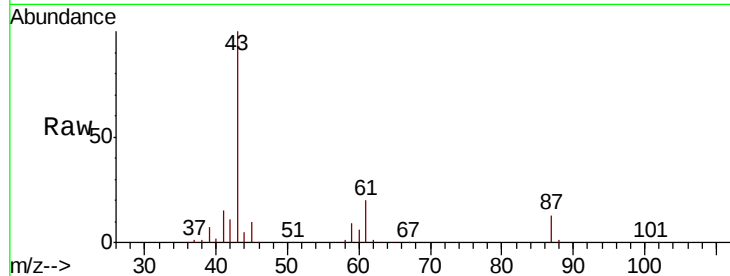


#43

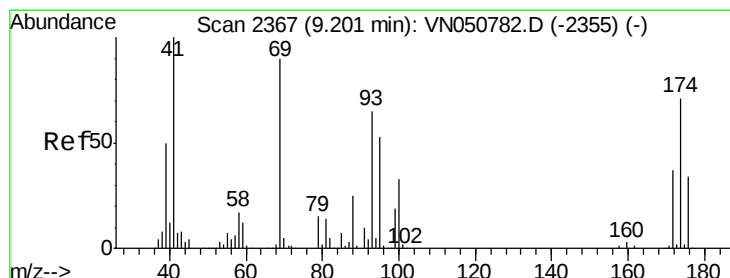
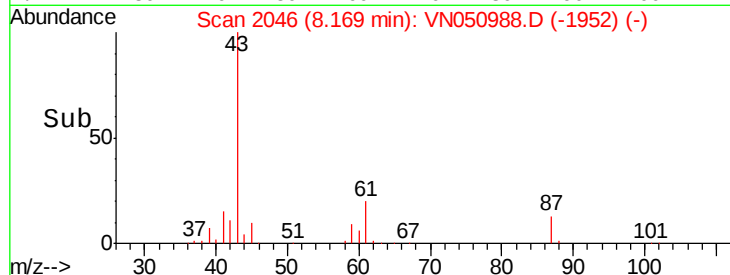
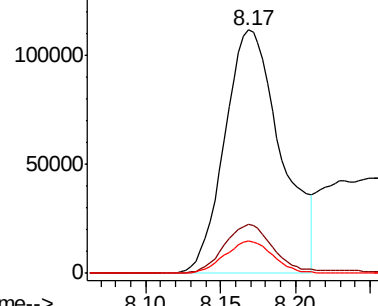
Isopropyl Acetate
 Concen: 25.99 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050988.D
 Acq: 31 Aug 2018 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112510ZHE#01

Tot Ion: 43 Resp: 292782
 Ion Ratio Lower Upper
 43 100
 61 17.4 17.5 26.3#
 87 11.5 11.3 16.9



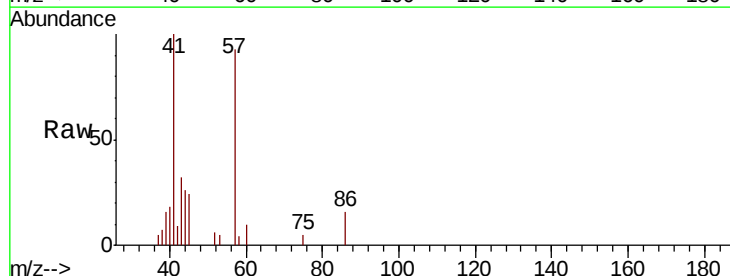
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



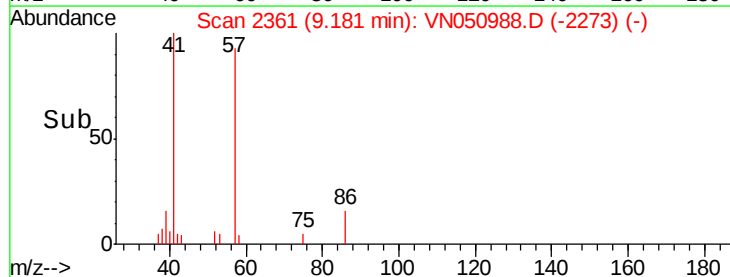
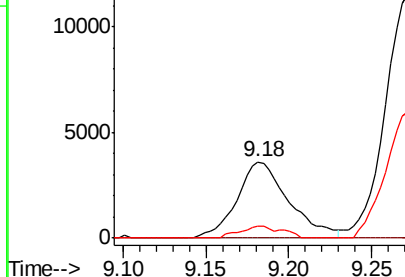
#48

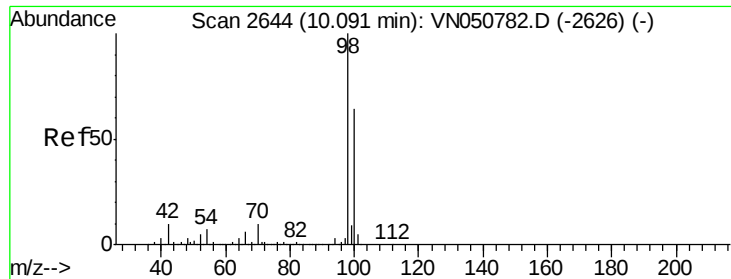
Methyl methacrylate
 Concen: 1.37 ug/l
 RT: 9.18 min Scan# 2361
 Delta R.T. -0.02 min
 Lab File: VN050988.D
 Acq: 31 Aug 2018 15:15

Tgt Ion: 41 Resp: 7841
 Ion Ratio Lower Upper
 41 100
 69 0.0 74.7 112.1#
 39 12.5 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: 45.47 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050988.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_N

ClientSampleId :

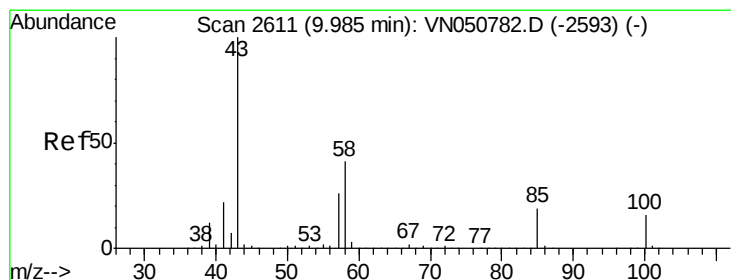
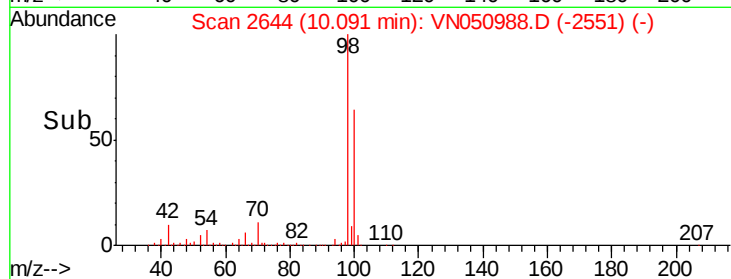
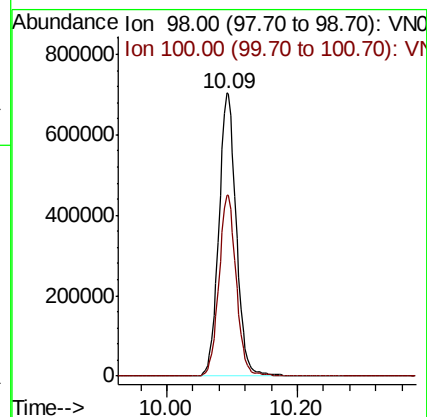
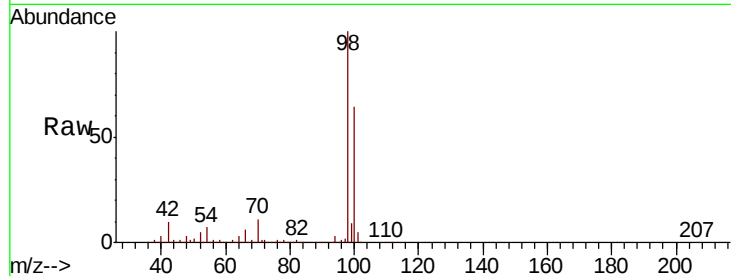
PB112510ZHE#01

Tot Ion: 98 Resp: 1307144

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.23 ug/l

RT: 9.98 min Scan# 2609

Delta R.T. -0.01 min

Lab File: VN050988.D

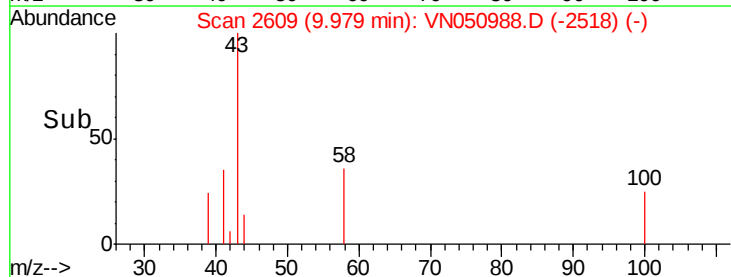
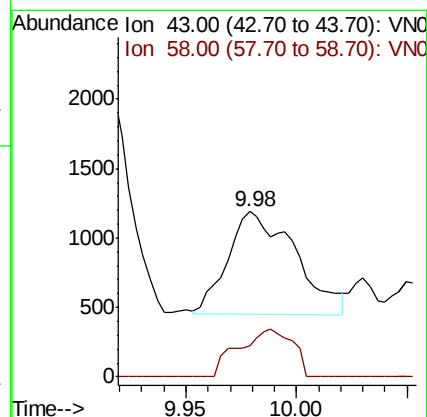
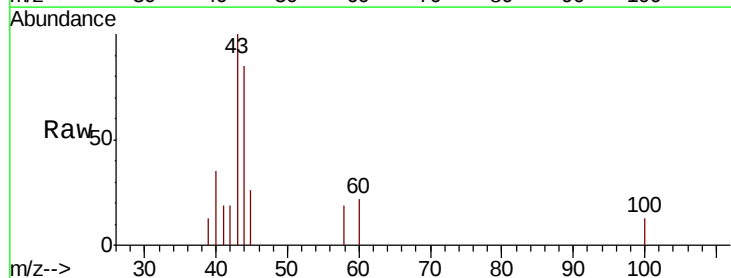
Acq: 31 Aug 2018 15:15

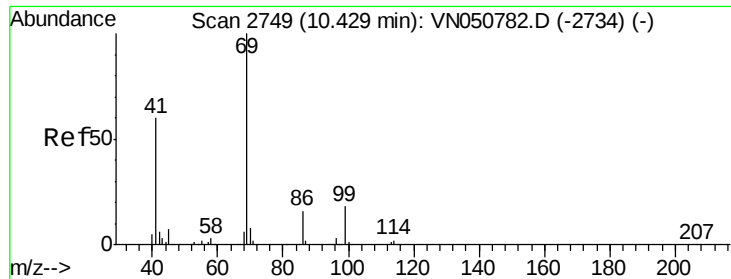
Tgt Ion: 43 Resp: 1574

Ion Ratio Lower Upper

43 100

58 37.0 32.4 48.6





#56

Ethyl methacrylate

Concen: 2.37 ug/l

RT: 10.28 min Scan# 2702

Delta R.T. -0.15 min

Lab File: VN050988.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB112510ZHE#01

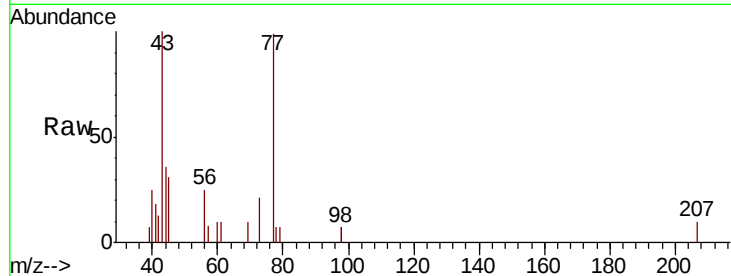
Tot Ion: 69 Resp: 160

Ion Ratio Lower Upper

69 100

41 689.4 48.3 72.5#

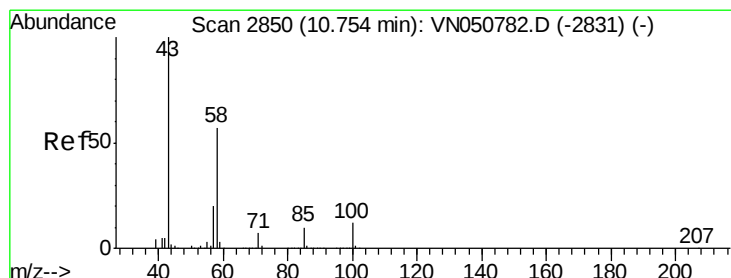
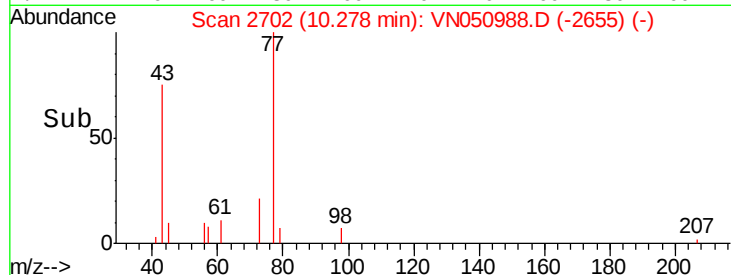
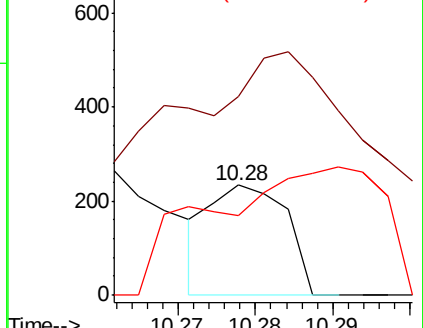
39 262.5 24.0 36.0#



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: 3.42 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050988.D

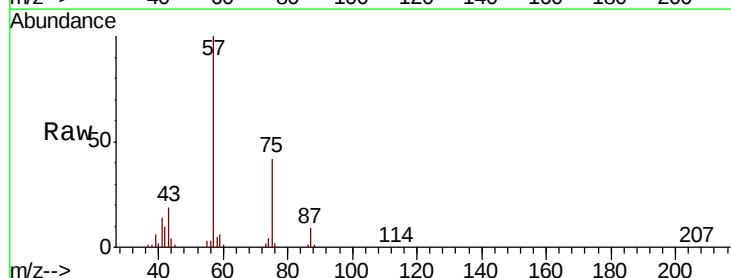
Acq: 31 Aug 2018 15:15

Tgt Ion: 43 Resp: 15318

Ion Ratio Lower Upper

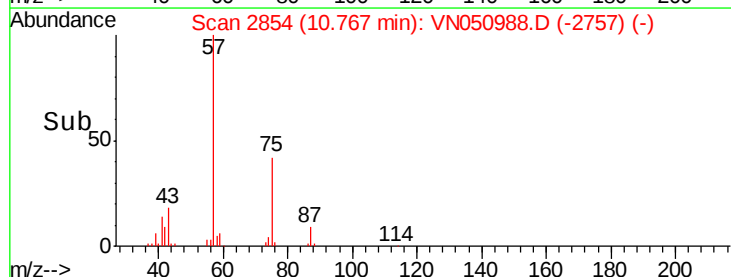
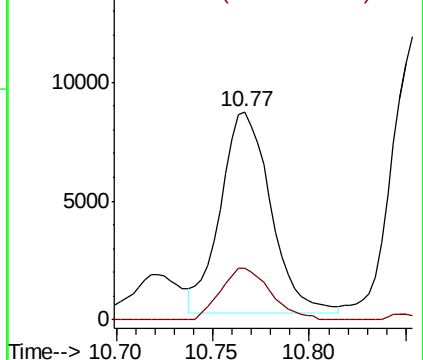
43 100

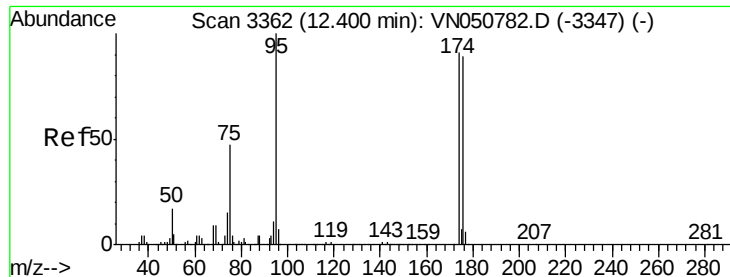
58 25.5 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

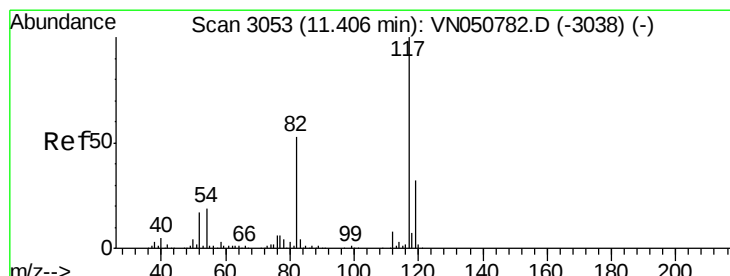
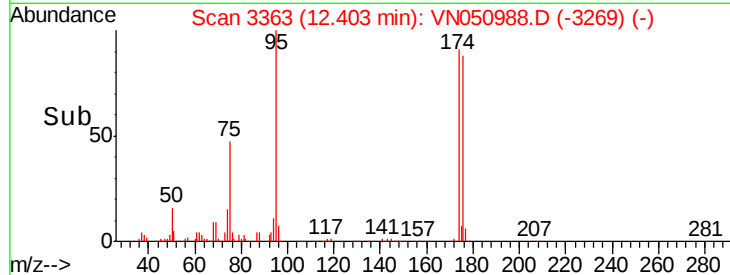
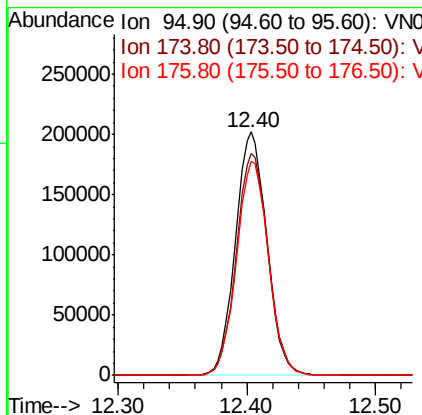
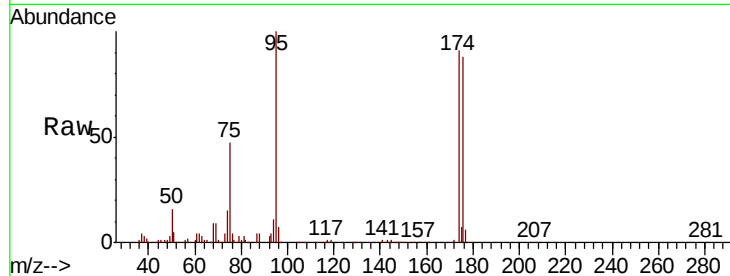




#62
4-Bromofluorobenzene
Concen: 35.81 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050988.D
Acq: 31 Aug 2018 15:15

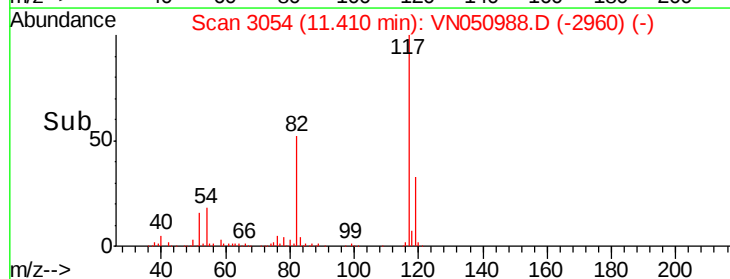
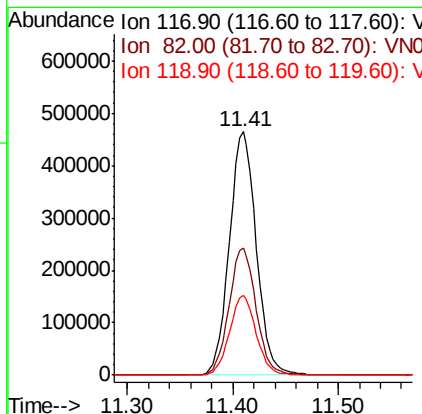
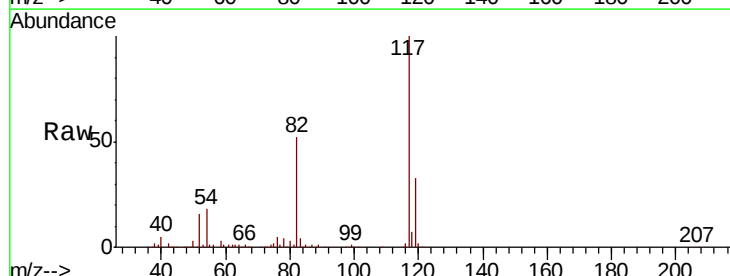
Instrument :
MSVOA_N
ClientSampleId :
PB112510ZHE#01

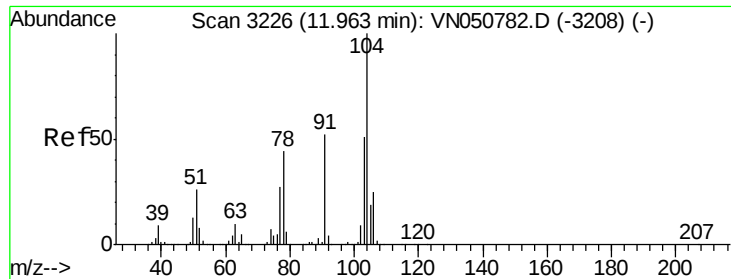
Tot Ion: 95 Resp: 342011
Ion Ratio Lower Upper
95 100
174 92.7 0.0 183.0
176 89.1 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050988.D
Acq: 31 Aug 2018 15:15

Tgt Ion: 117 Resp: 819145
Ion Ratio Lower Upper
117 100
82 52.0 42.6 64.0
119 32.8 25.8 38.6





#70

Stvrene

Concen: 1.27 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.01 min

Lab File: VN050988.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB112510ZHE#01

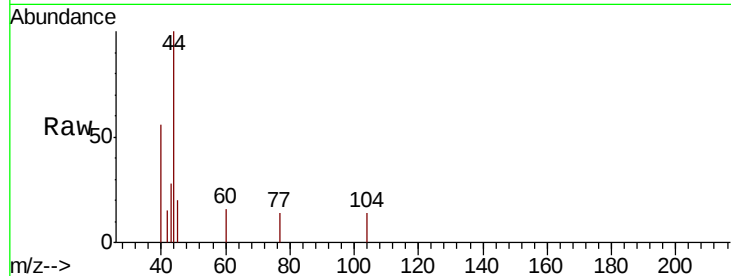
Tot Ion:104 Resp: 30

Ion Ratio Lower Upper

104 100

78 0.0 38.2 57.4#

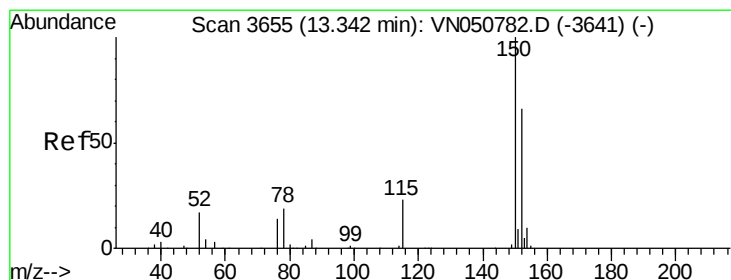
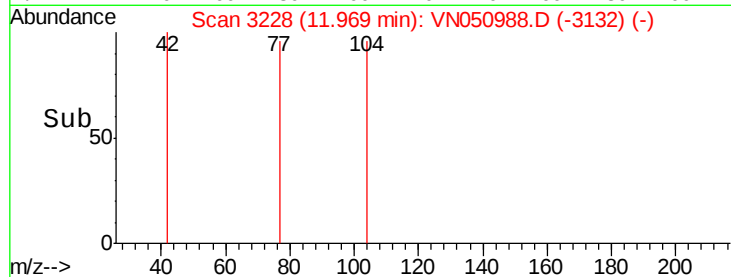
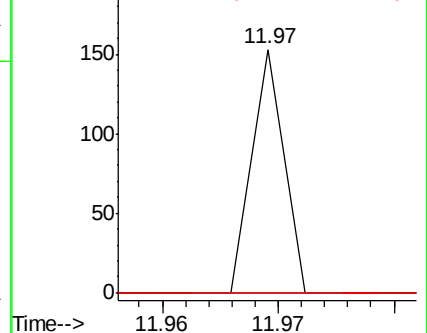
103 0.0 44.4 66.6#



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: VN050988.D

Acq: 31 Aug 2018 15:15

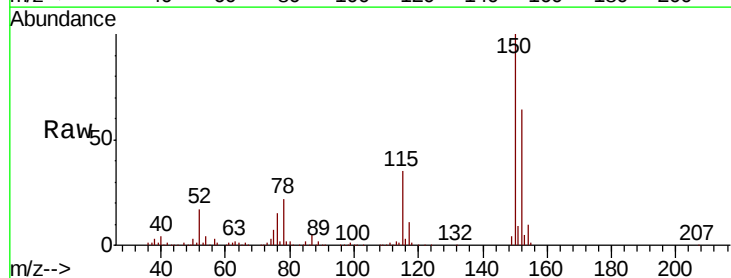
Tgt Ion:152 Resp: 264950

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

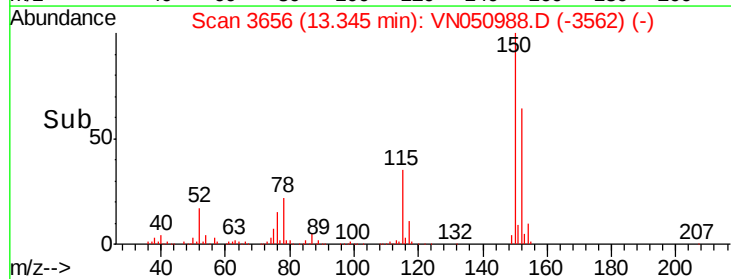
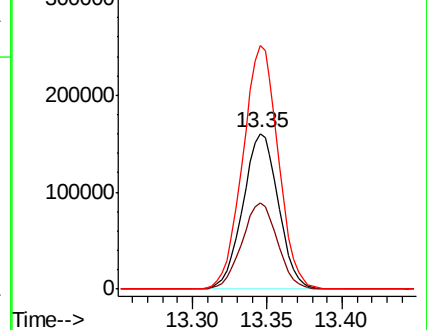
150 156.5 0.0 351.4

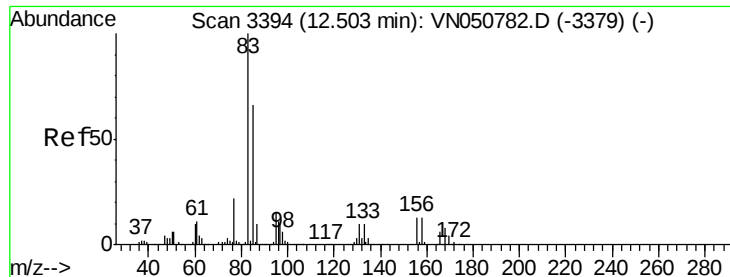


Abundance Ion 151.90 (151.60 to 152.60): V

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: VN050988.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB112510ZHE#01

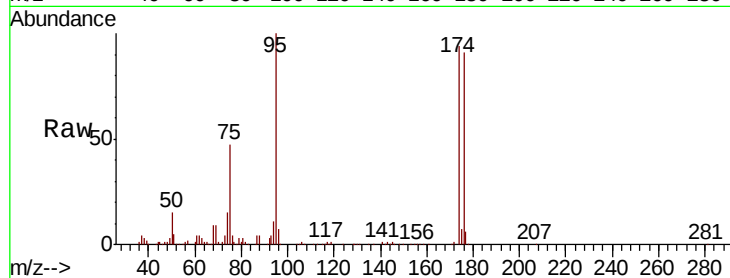
Tot Ion: 83 Resp: 186

Ion Ratio Lower Upper

83 100

131 159.1 5.3 15.9#

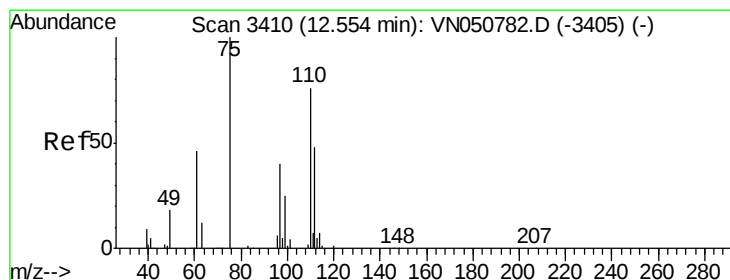
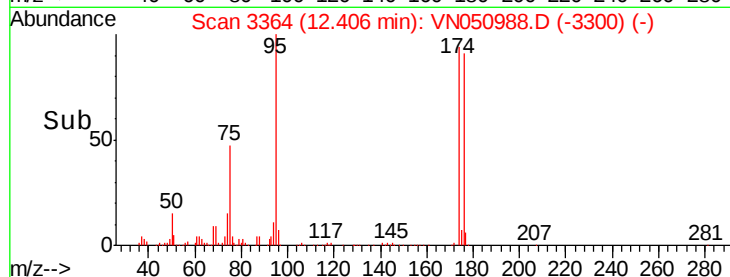
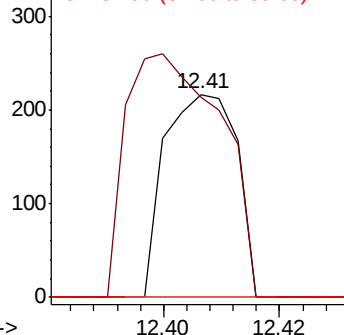
85 0.0 31.9 95.7#



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: 34.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050988.D

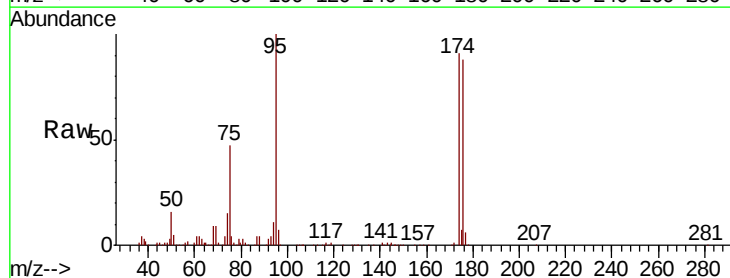
Acq: 31 Aug 2018 15:15

Tgt Ion: 75 Resp: 160538

Ion Ratio Lower Upper

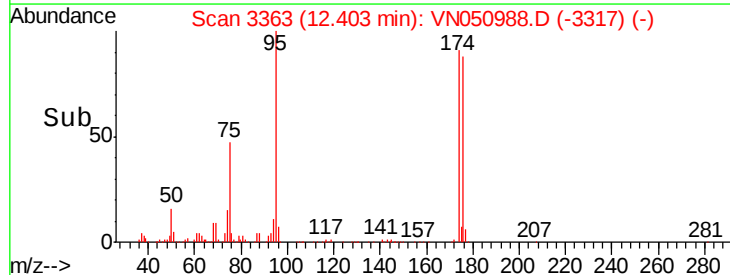
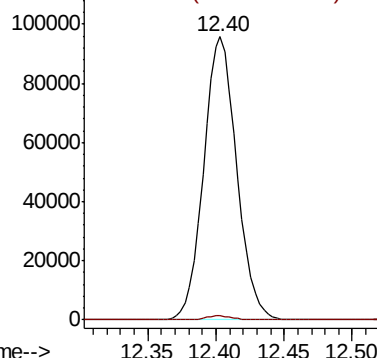
75 100

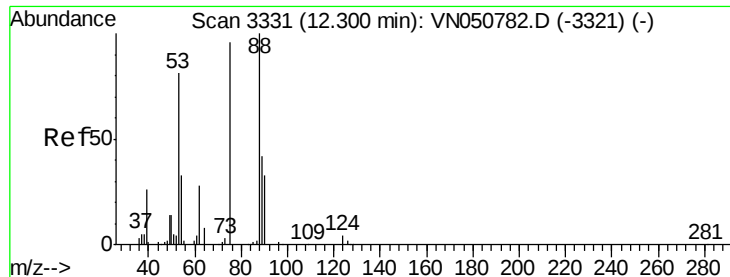
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 116.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050988.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB112510ZHE#01

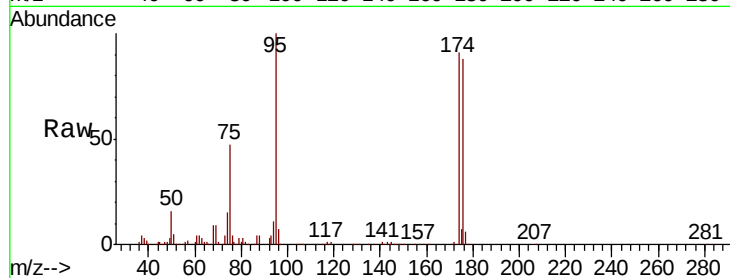
Tot Ion: 75 Resp: 160538

Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

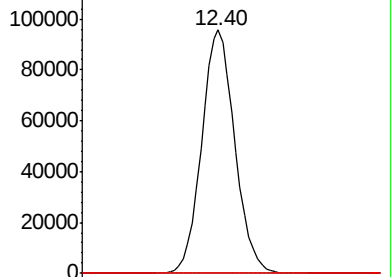
89 0.0 36.1 54.1#



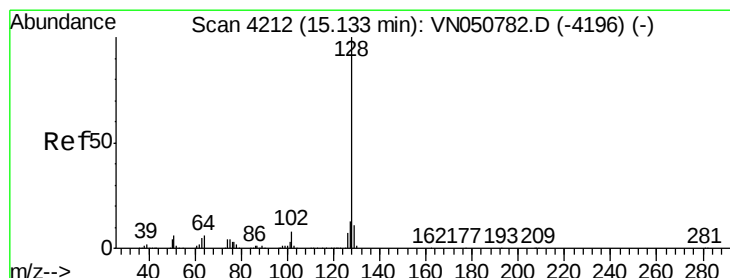
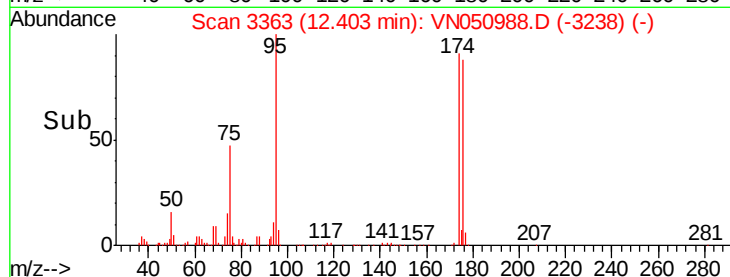
Abundance Ion 74.90 (74.60 to 75.60): VN050988.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN050988.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN050988.D (-3363) (-)



Time-->



#95

Naphthalene

Concen: 5.44 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050988.D

Acq: 31 Aug 2018 15:15

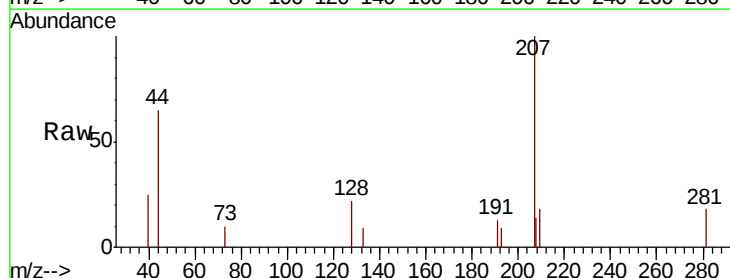
Tgt Ion: 128 Resp: 493

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

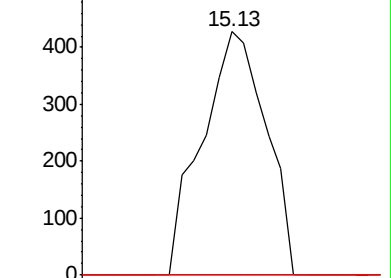
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN050988.D (-4212) (-)

Ion 127.00 (126.70 to 127.70): VN050988.D (-4212) (-)

Ion 129.00 (128.70 to 129.70): VN050988.D (-4212) (-)



Time-->

