

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050993.D
 Acq On : 31 Aug 2018 17:18
 Operator : MD\SY
 Sample : J4276-03
 Misc : 7.77µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-082118

Quant Time: Aug 31 23:03:26 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	510631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	805921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	708339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	285782	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	325182	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
35) Dibromofluoromethane	7.59	113	304651	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	10.09	98	1117214	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
62) 4-Bromofluorobenzene	12.40	95	317973	39.92	ug/l	0.00
Spiked Amount			Recovery	=	79.84%	

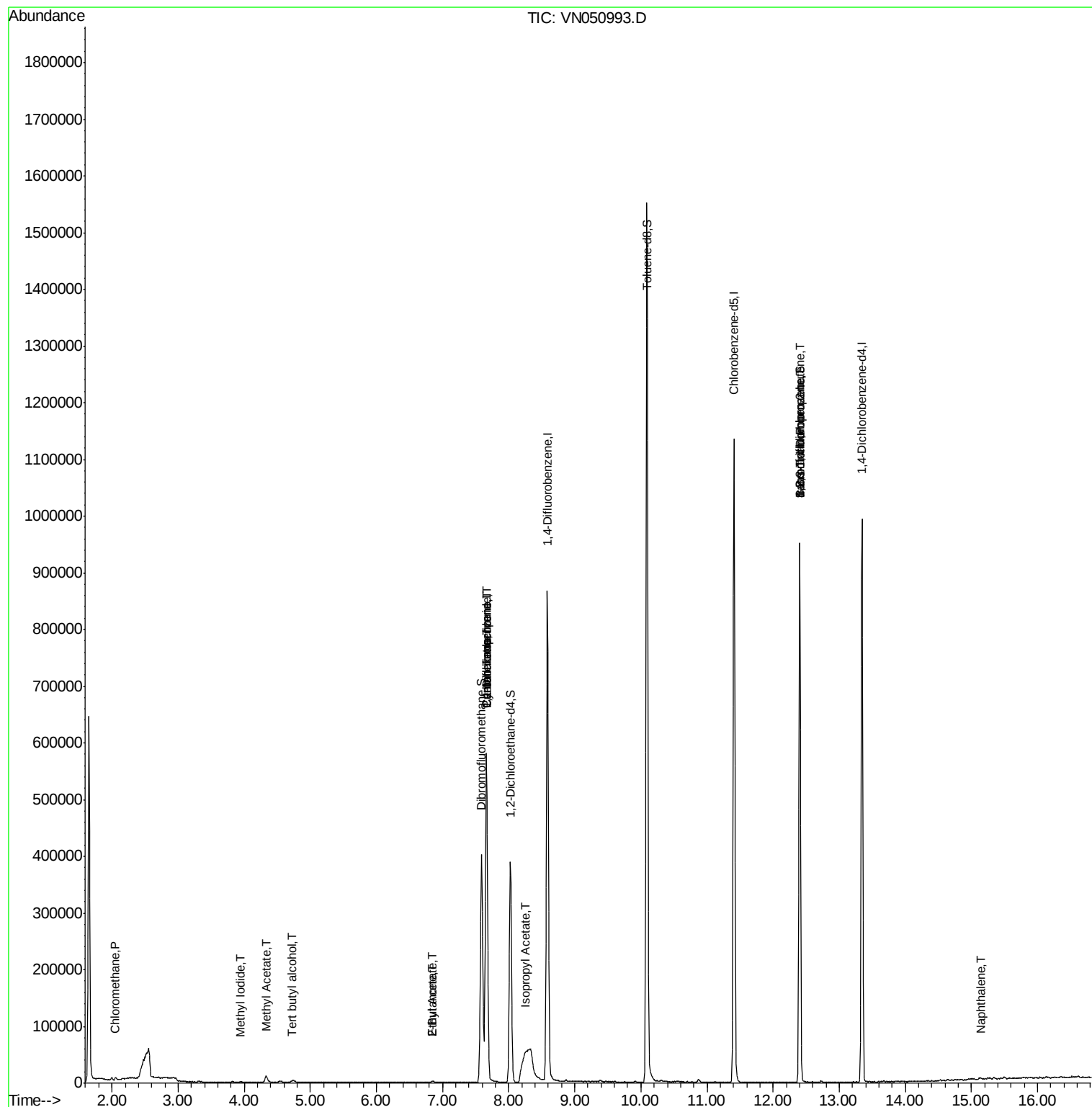
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	3280	0.39	ug/l	98
5) Bromomethane	2.51	94	3385	Below Cal		89
10) Methyl Iodide	3.94	142	1767	6.62	ug/l #	84
11) Tert butyl alcohol	4.73	59	2531	6.47	ug/l #	72
16) Acetone	3.83	43	2241	Below Cal	#	78
18) Methyl Acetate	4.33	43	22075	3.80	ug/l	95
25) 2-Butanone	6.85	43	2454	0.99	ug/l	93
31) Cyclohexane	7.67	56	8685	1.29	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	34184	3.59	ug/l #	50
37) Ethyl Acetate	6.85	43	2454	0.45	ug/l #	67
38) Carbon Tetrachloride	7.67	117	45369	4.72	ug/l #	17
43) Isopropyl Acetate	8.25	43	60263	6.42	ug/l #	58
71) Bromoform	12.40	173	1076	0.23	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	98	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	146958	29.36	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	146958	99.25	ug/l #	15
95) Naphthalene	15.13	128	2121	5.57	ug/l #	73

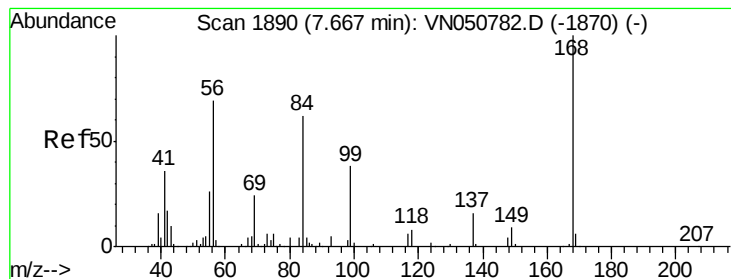
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
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: VN050993.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

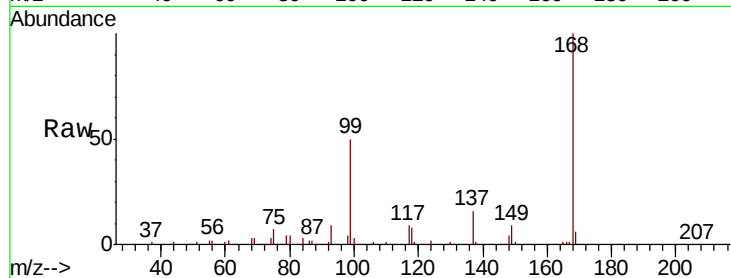
OK-01-082118

Tot Ion:168 Resp: 510631

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): VN

7.67

200000

150000

100000

50000

0

Time-->

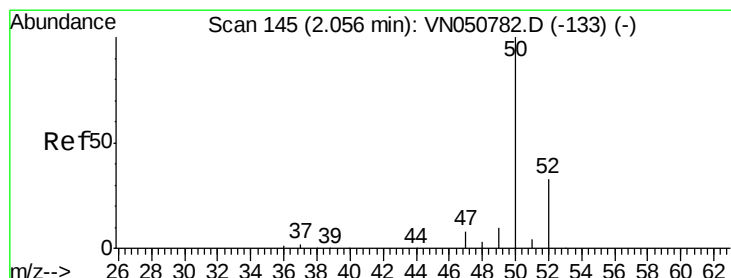
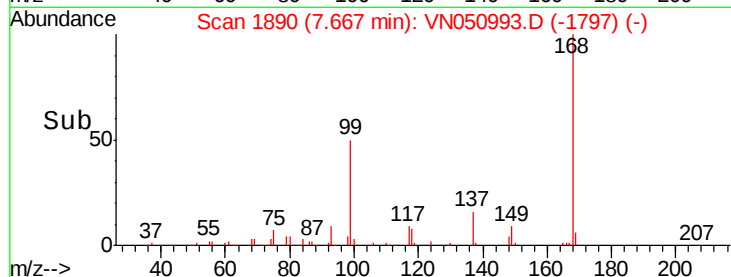
7.50

7.60

7.70

7.80

7.90



#3

Chloromethane

Concen: 0.39 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN050993.D

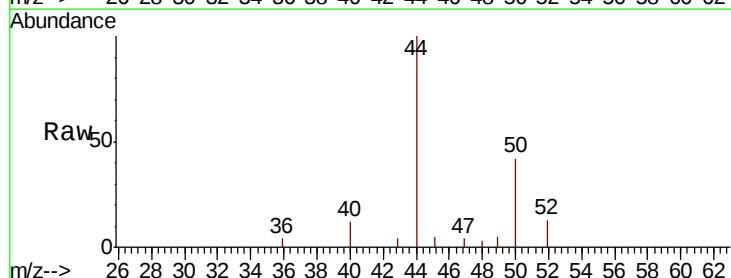
Acq: 31 Aug 2018 17:18

Tgt Ion: 50 Resp: 3280

Ion Ratio Lower Upper

50 100

52 32.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2000

1500

1000

500

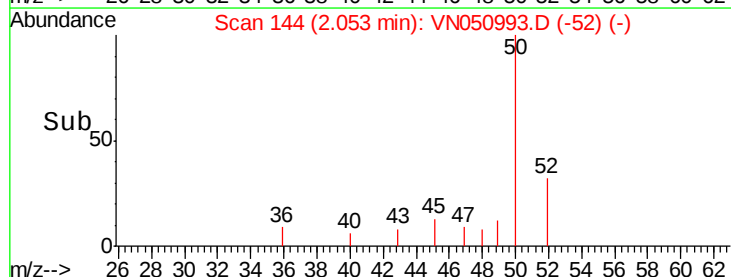
0

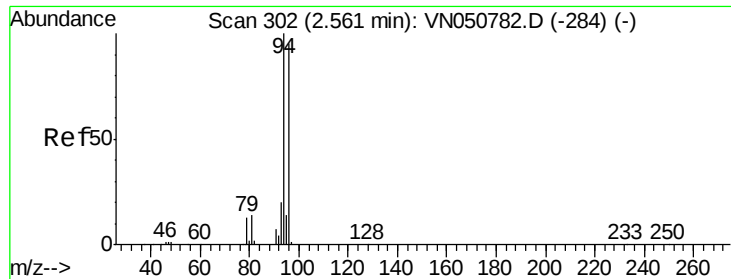
Time-->

2.00

2.05

2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.51 min Scan# 287

Delta R.T. -0.05 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

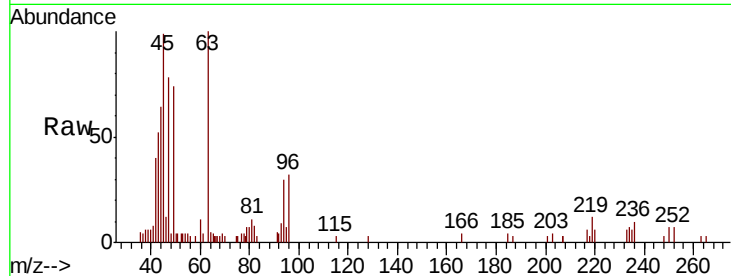
OK-01-082118

Tot Ion: 94 Resp: 3385

Ion Ratio Lower Upper

94 100

96 106.2 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050993.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN050993.D (-209) (-)

2000

1500

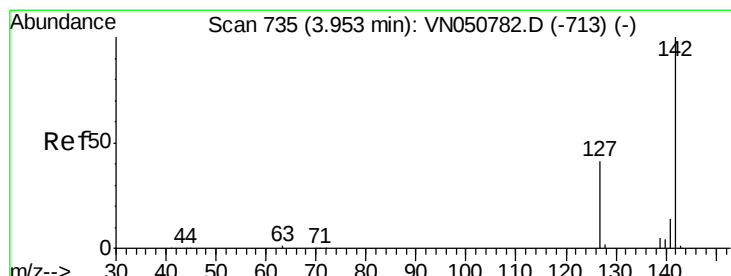
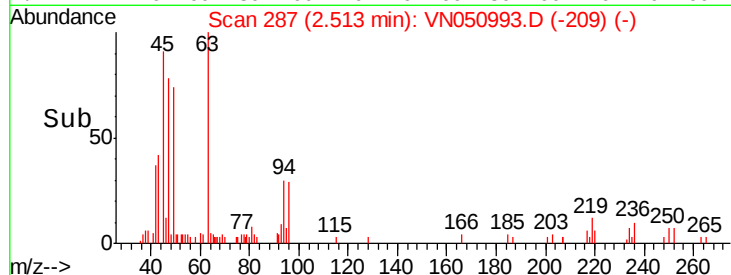
1000

500

0

2.45 2.50 2.55 2.60

Time-->



#10

Methyl Iodide

Concen: 6.62 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.01 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

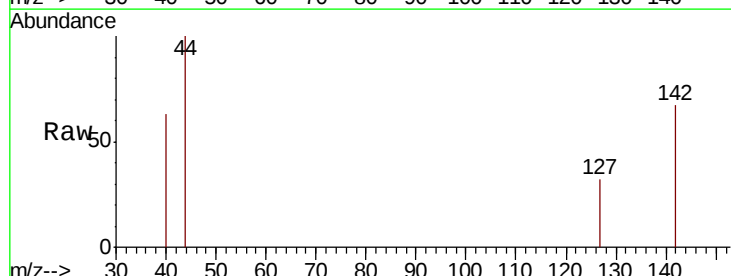
Tgt Ion: 142 Resp: 1767

Ion Ratio Lower Upper

142 100

127 34.3 31.7 47.5

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050993.D (-642) (-)

Ion 126.80 (126.50 to 127.50): VN050993.D (-642) (-)

Ion 140.80 (140.50 to 141.50): VN050993.D (-642) (-)

800

600

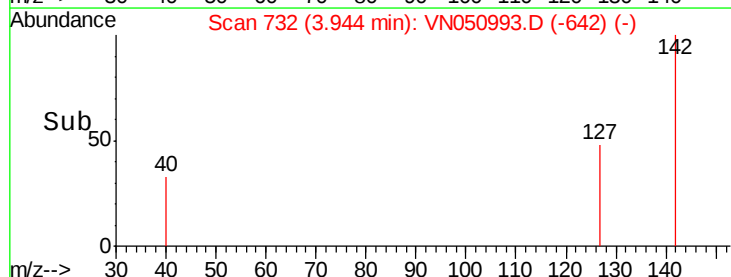
400

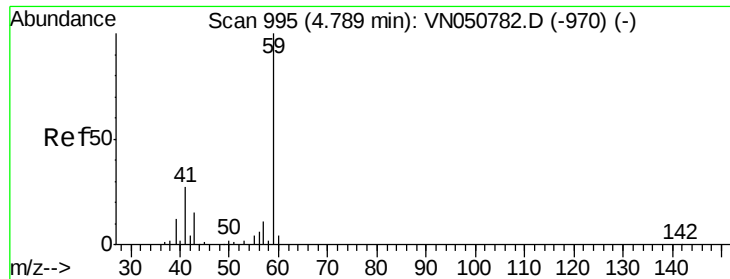
200

0

3.90 3.95

Time-->

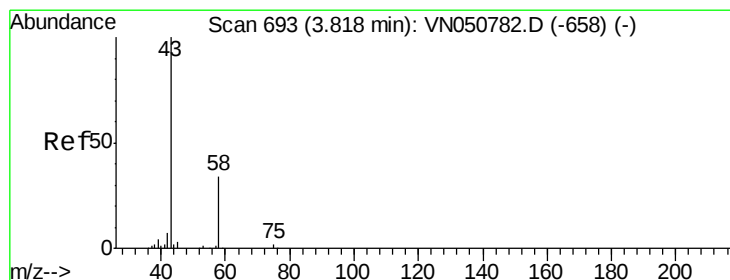
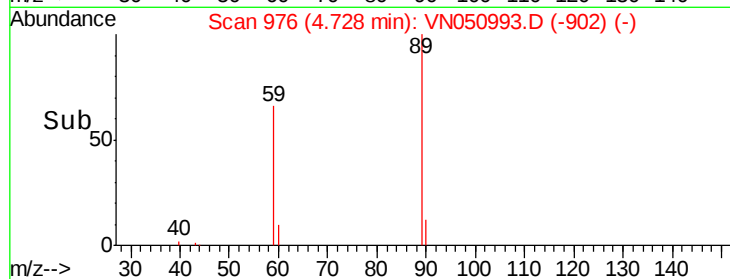
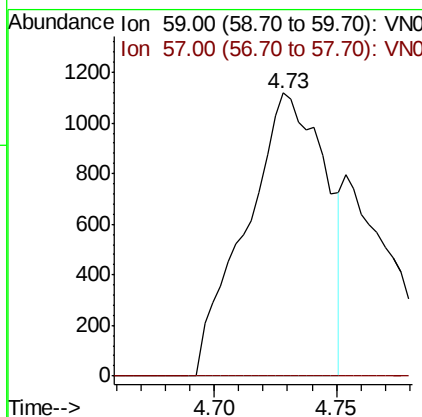
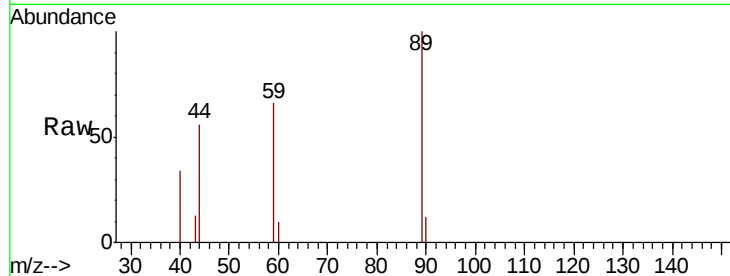




#11
Tert butyl alcohol
Concen: 6.47 ug/l
RT: 4.73 min Scan# 976
Delta R.T. -0.06 min
Lab File: VN050993.D
Acq: 31 Aug 2018 17:18

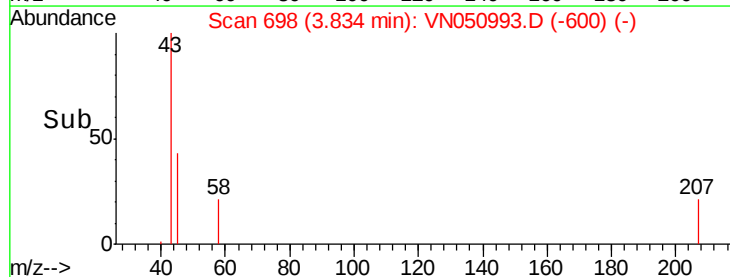
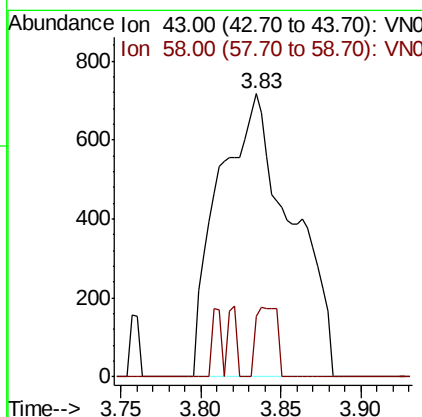
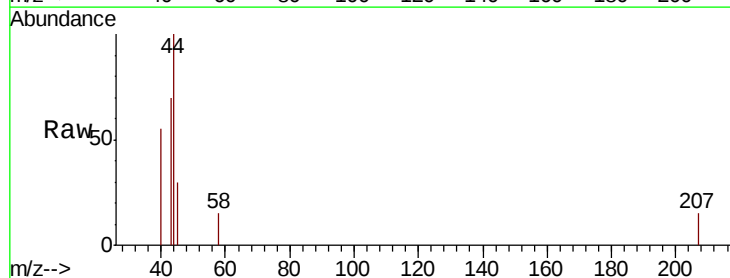
Instrument :
MSVOA_N
ClientSampleId :
OK-01-082118

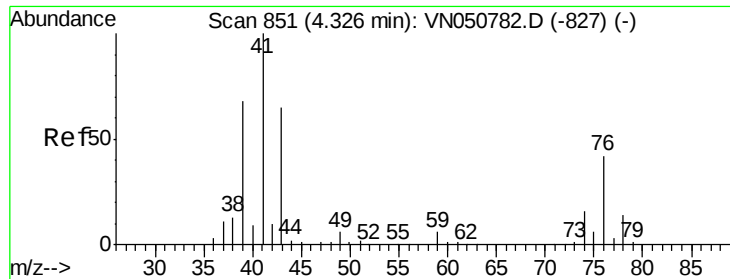
Tot Ion: 59 Resp: 2531
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 698
Delta R.T. 0.02 min
Lab File: VN050993.D
Acq: 31 Aug 2018 17:18

Tgt Ion: 43 Resp: 2241
Ion Ratio Lower Upper
43 100
58 21.2 27.2 40.8#

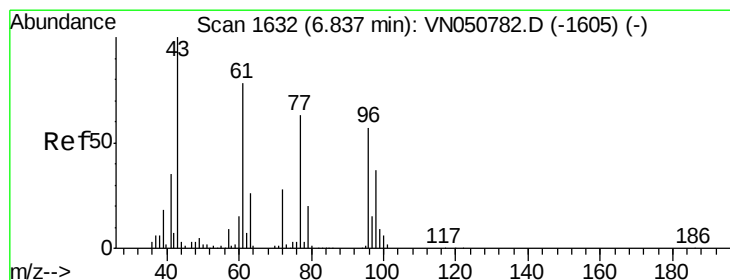
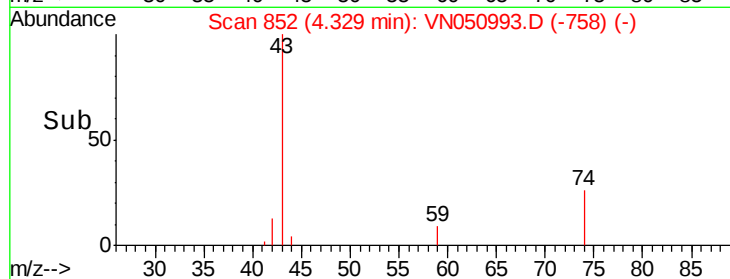
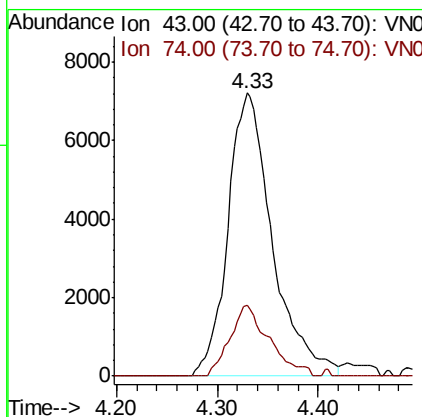
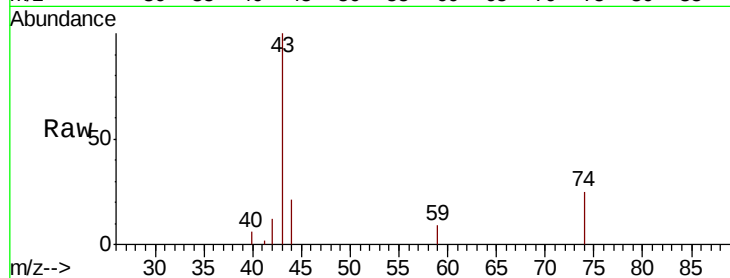




#18
Methyl Acetate
Concen: 3.80 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050993.D
Acq: 31 Aug 2018 17:18

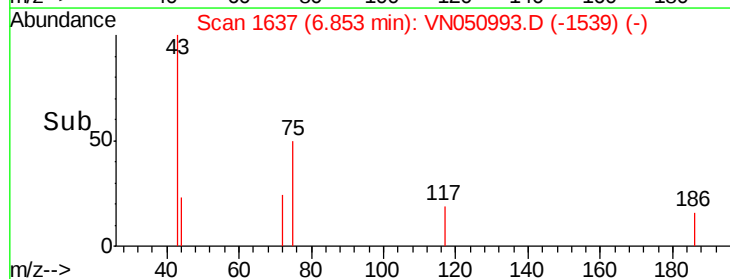
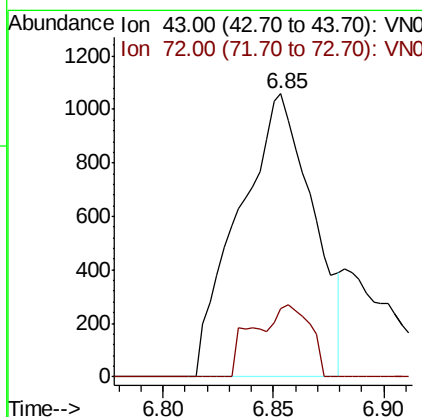
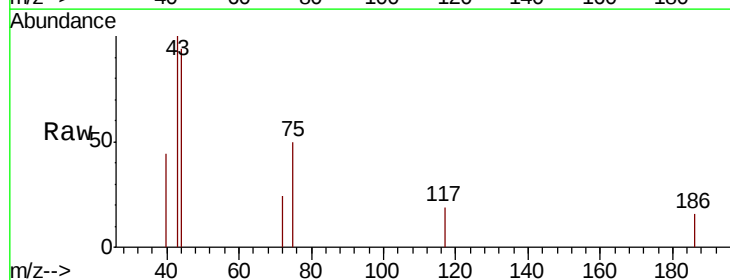
Instrument :
MSVOA_N
ClientSampled :
OK-01-082118

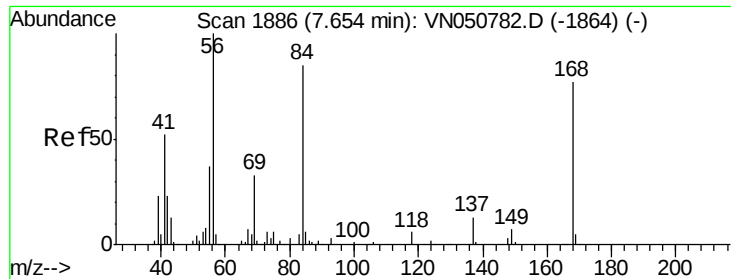
Tot Ion: 43 Resp: 22075
Ion Ratio Lower Upper
43 100
74 22.2 19.8 29.8



#25
2-Butanone
Concen: 0.99 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.02 min
Lab File: VN050993.D
Acq: 31 Aug 2018 17:18

Tgt Ion: 43 Resp: 2454
Ion Ratio Lower Upper
43 100
72 24.0 22.3 33.5

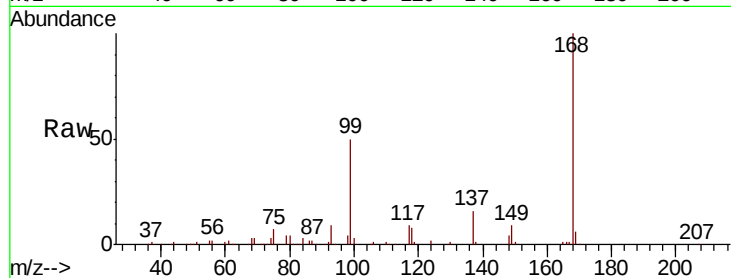




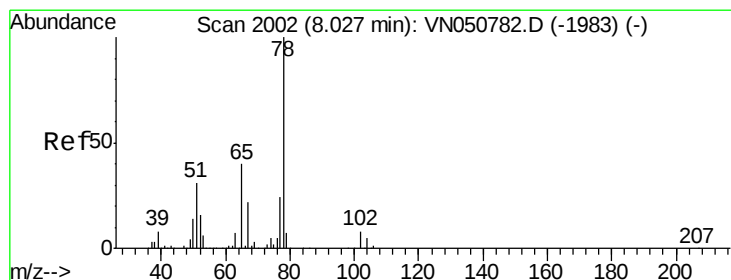
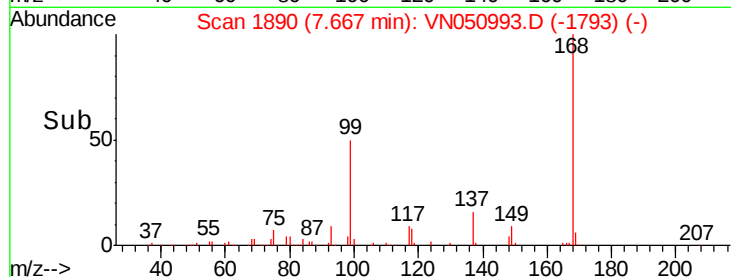
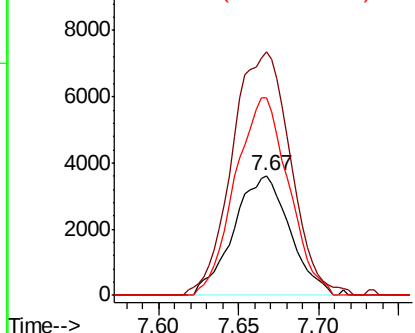
#31
Cvclohexane
Concen: 1.29 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050993.D
Acq: 31 Aug 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
OK-01-082118

Tot Ion: 56 Resp: 8685
Ion Ratio Lower Upper
56 100
69 198.3 26.2 39.4#
84 165.2 68.3 102.5#

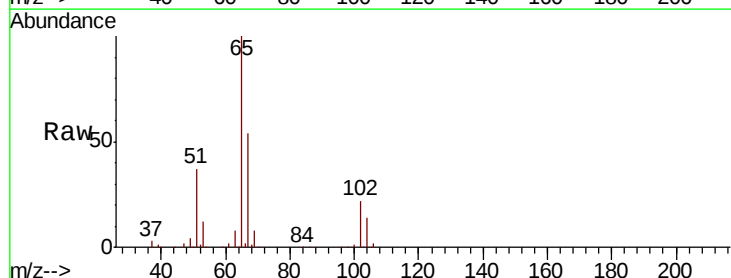


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

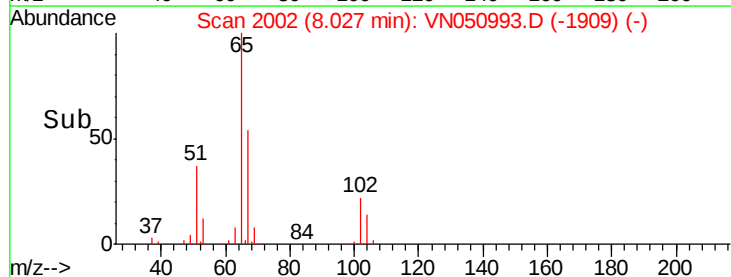
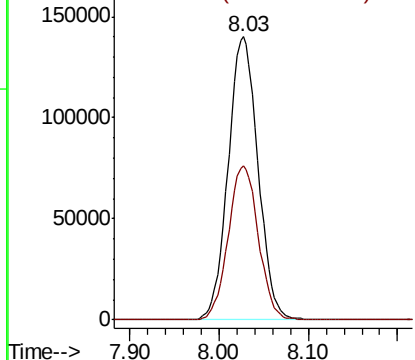


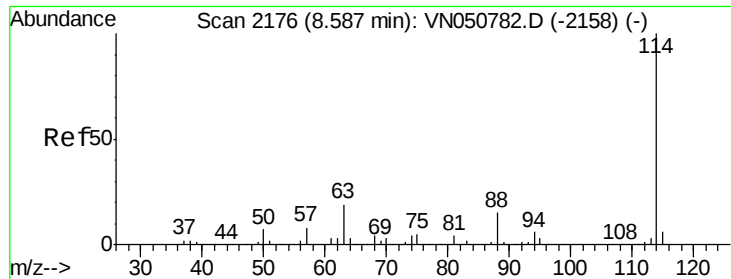
#33
1,2-Dichloroethane-d4
Concen: 52.90 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. -0.00 min
Lab File: VN050993.D
Acq: 31 Aug 2018 17:18

Tgt Ion: 65 Resp: 325182
Ion Ratio Lower Upper
65 100
67 54.9 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: VN050993.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

OK-01-082118

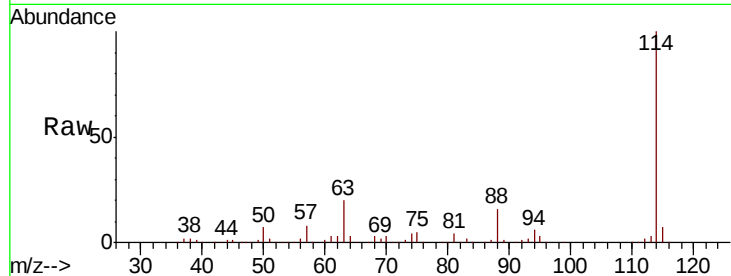
Tot Ion:114 Resp: 805921

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

88 15.5 0.0 30.6



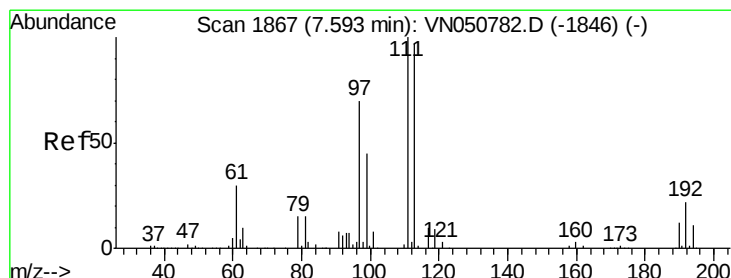
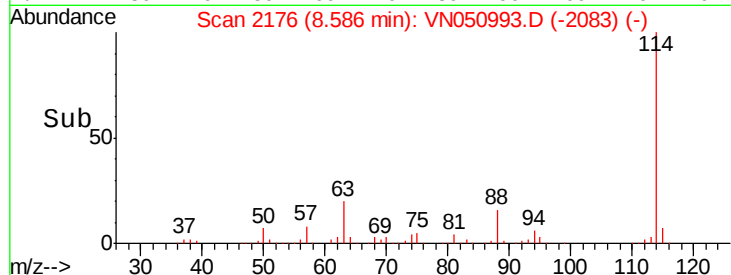
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

8.59

Time-->



#35

Dibromofluoromethane

Concen: 47.52 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

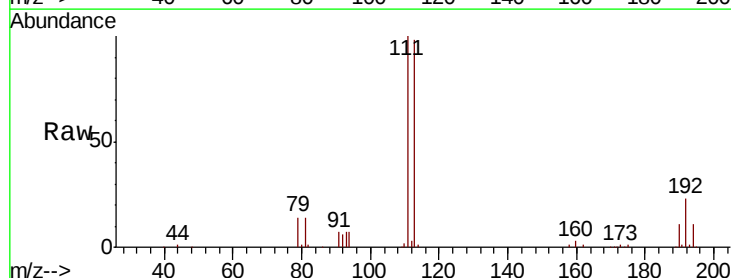
Tgt Ion:113 Resp: 304651

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 23.2 18.0 27.0



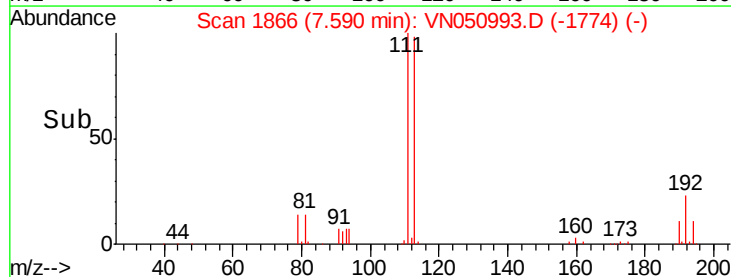
Abundance Ion 112.80 (112.50 to 113.50): V

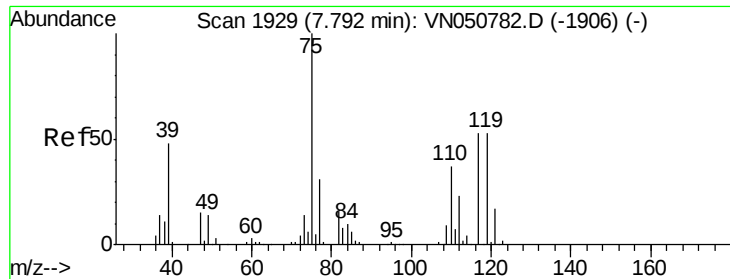
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.59

Time-->

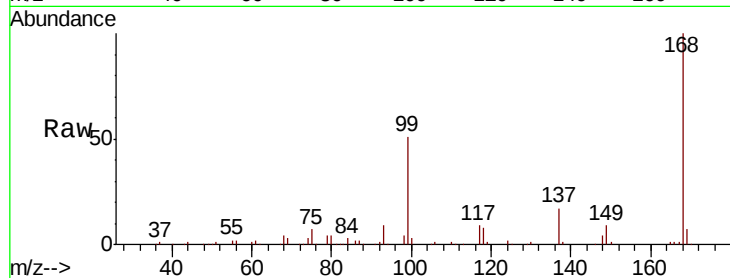




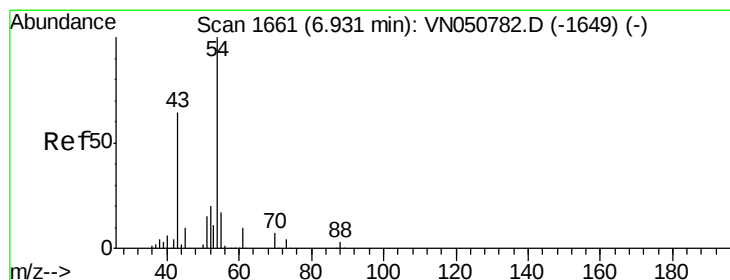
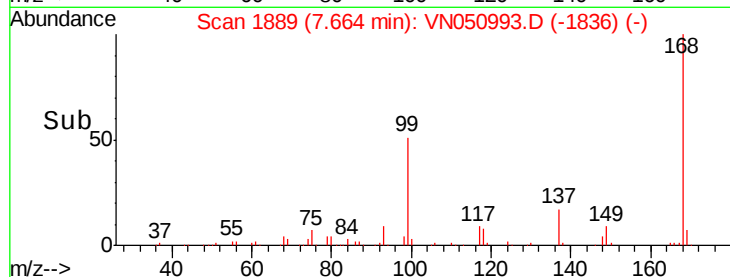
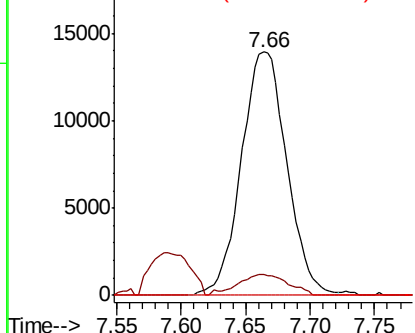
#36
 1,1-Dichloropropene
 Concen: 3.59 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN050993.D
 Acq: 31 Aug 2018 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-082118

Tot Ion: 75 Resp: 34184
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.4#
 77 0.0 24.8 37.2#

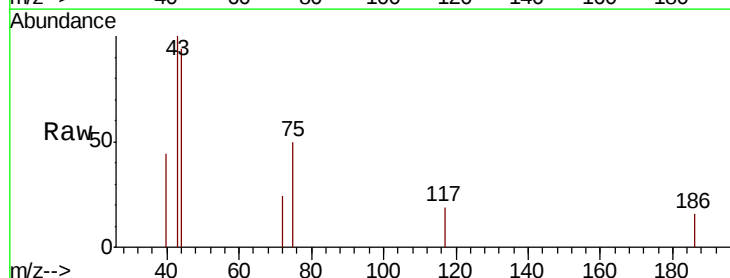


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

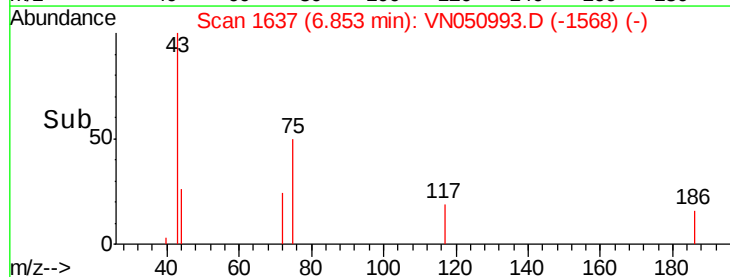
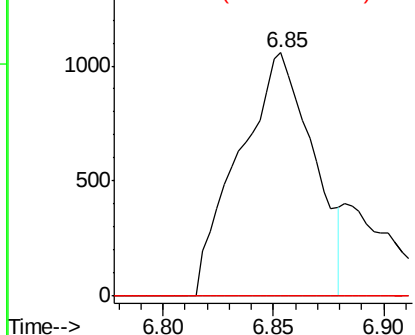


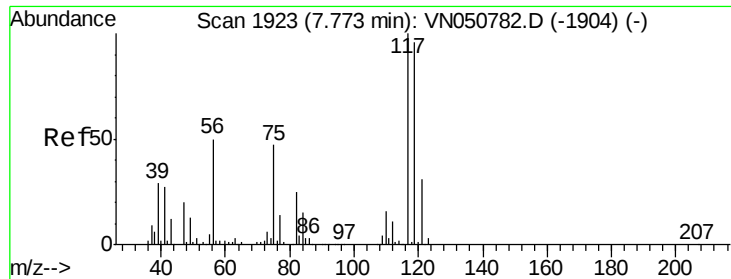
#37
 Ethyl Acetate
 Concen: 0.45 ug/l
 RT: 6.85 min Scan# 1637
 Delta R.T. -0.08 min
 Lab File: VN050993.D
 Acq: 31 Aug 2018 17:18

Tgt Ion: 43 Resp: 2454
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.0 18.0#
 70 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 4.72 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

OK-01-082118

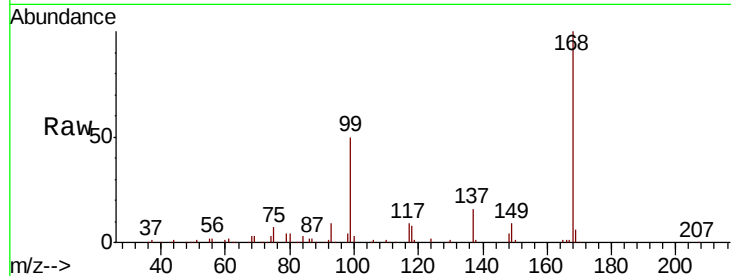
Tot Ion:117 Resp: 45369

Ion Ratio Lower Upper

117 100

119 5.8 76.3 114.5#

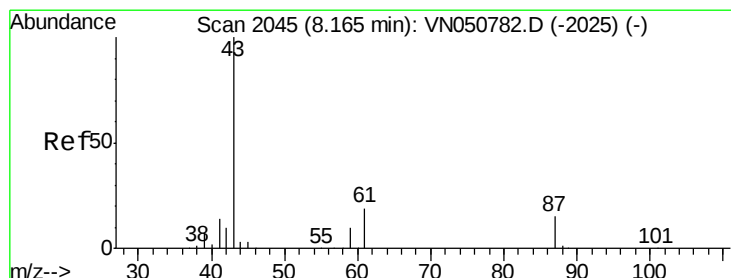
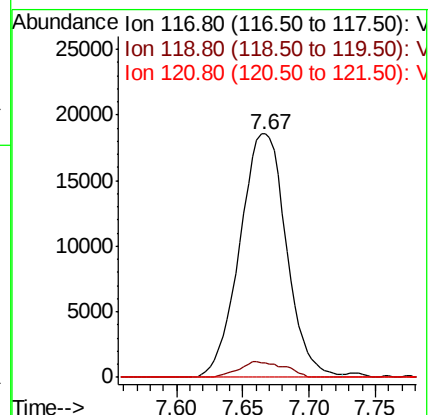
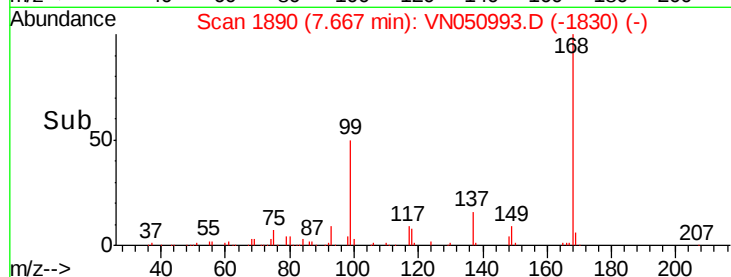
121 0.0 24.6 36.8#



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: 6.42 ug/l

RT: 8.25 min Scan# 2070

Delta R.T. 0.08 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

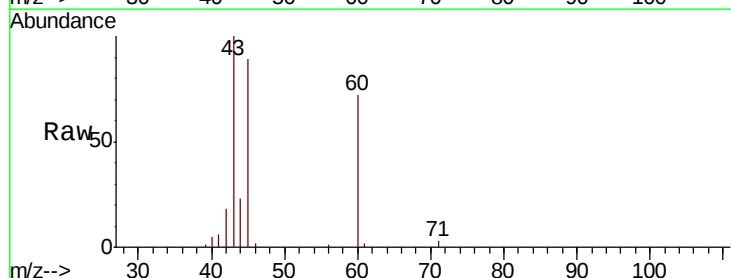
Tgt Ion: 43 Resp: 60263

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

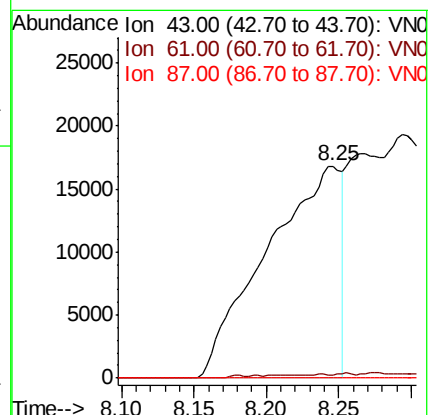
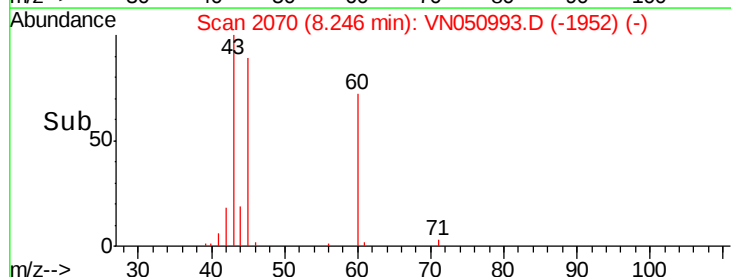
87 0.0 11.3 16.9#

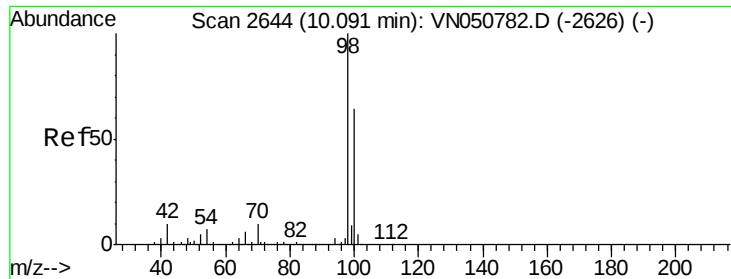


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 46.61 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

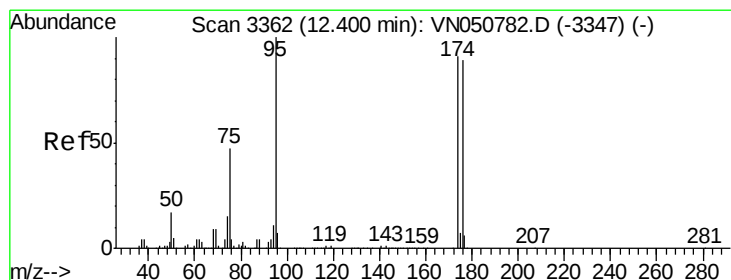
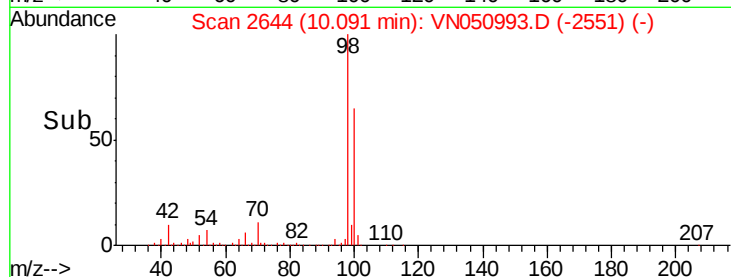
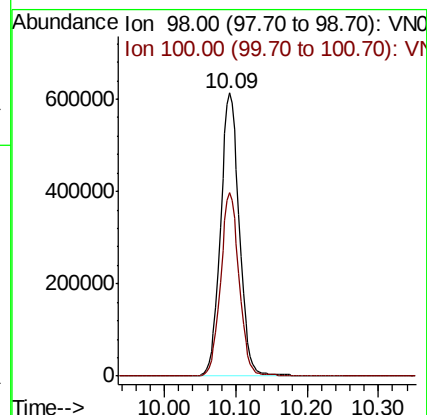
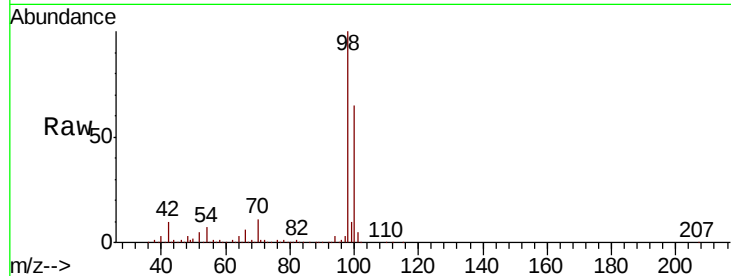
OK-01-082118

Tot Ion: 98 Resp: 1117214

Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 39.92 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

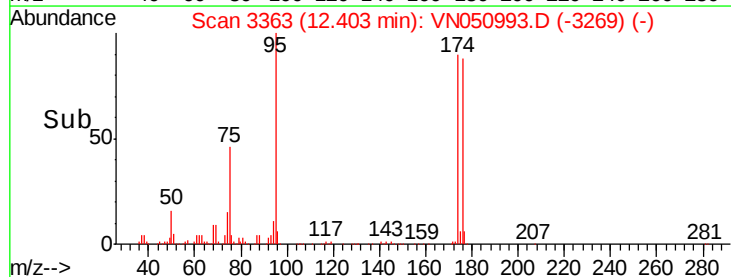
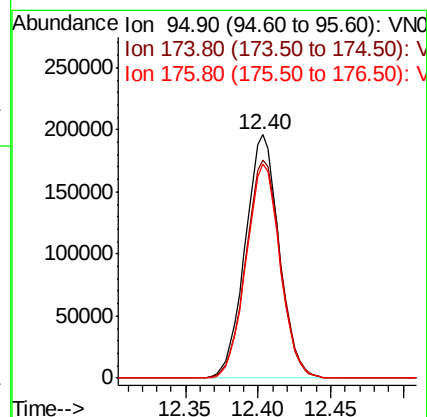
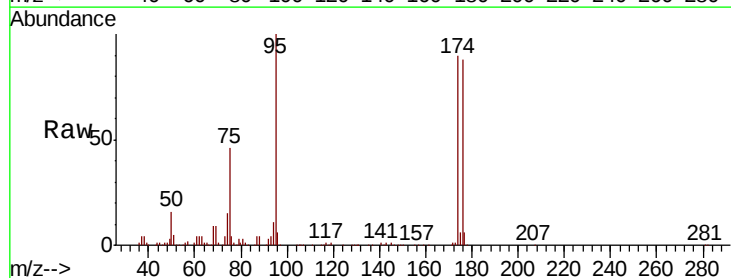
Tgt Ion: 95 Resp: 317973

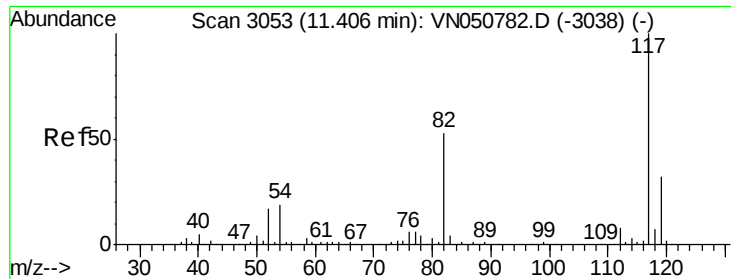
Ion Ratio Lower Upper

95 100

174 91.9 0.0 183.0

176 88.3 0.0 178.8

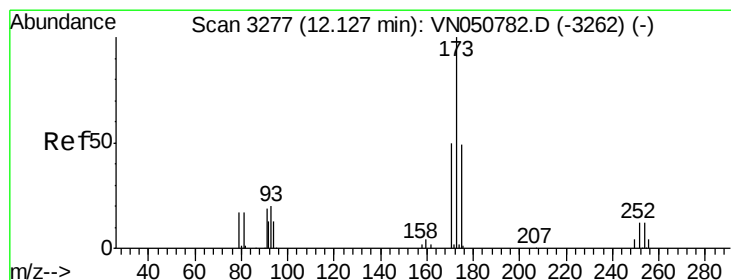
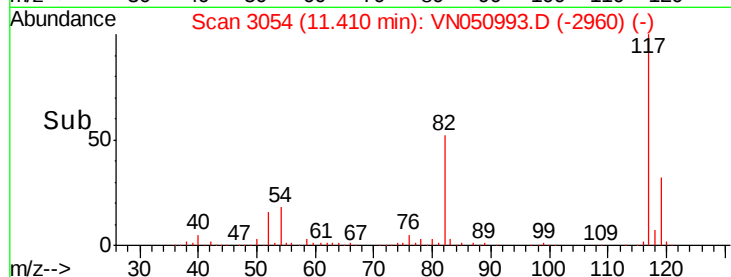
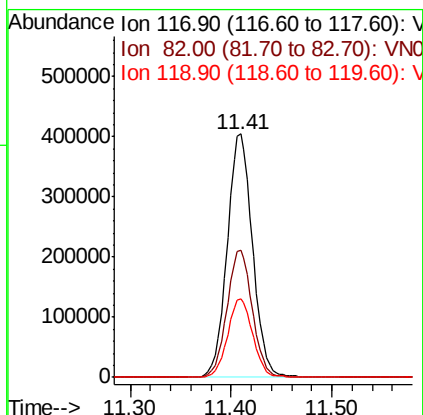
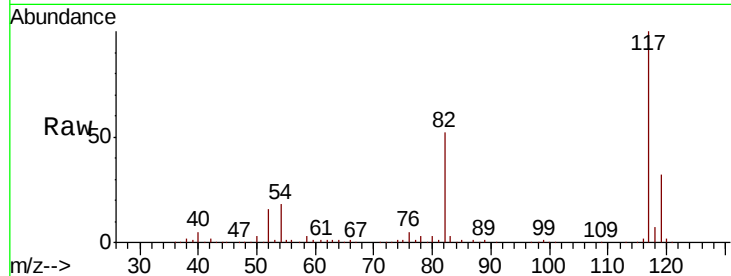




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050993.D
Acq: 31 Aug 2018 17:18

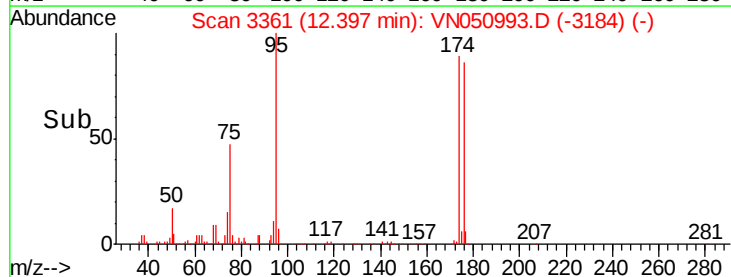
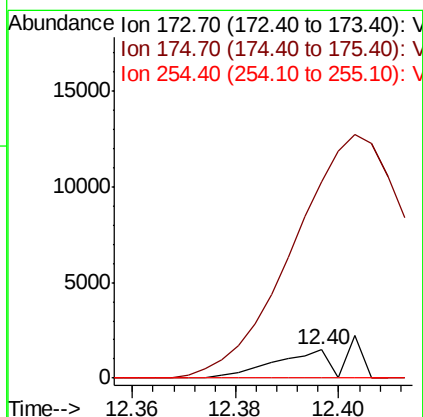
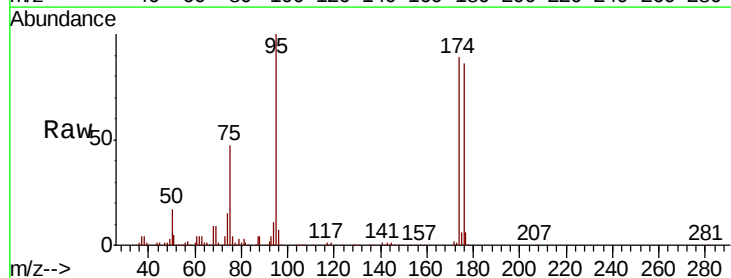
Instrument :
MSVOA_N
ClientSampled :
OK-01-082118

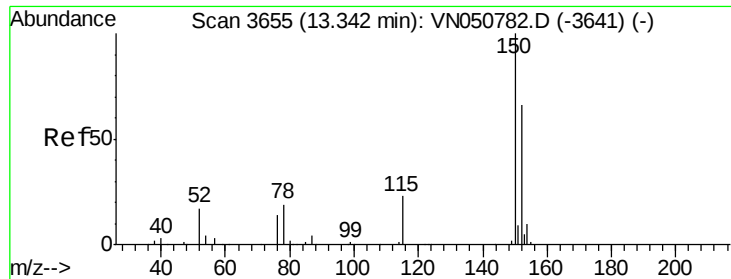
Tot Ion:117 Resp: 708339
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 32.3 25.8 38.6



#71
Bromoform
Concen: 0.23 ug/l
RT: 12.40 min Scan# 3361
Delta R.T. 0.27 min
Lab File: VN050993.D
Acq: 31 Aug 2018 17:18

Tgt Ion:173 Resp: 1076
Ion Ratio Lower Upper
173 100
175 1640.7 24.4 73.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

OK-01-082118

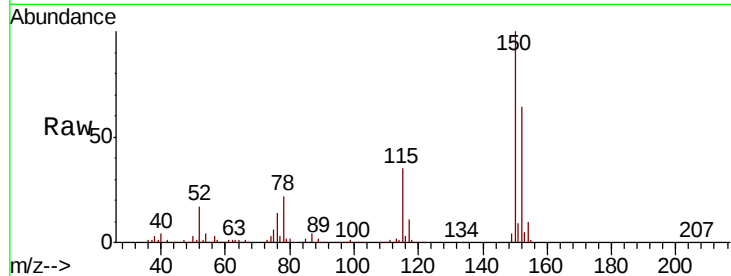
Tot Ion:152 Resp: 285782

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

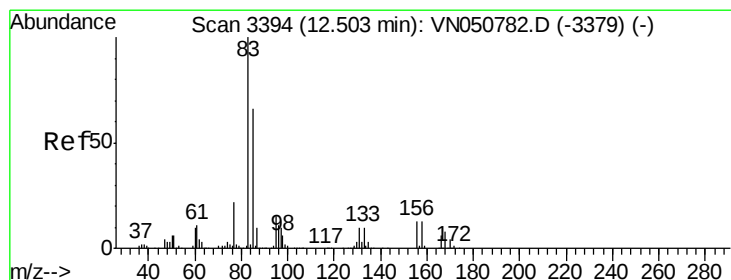
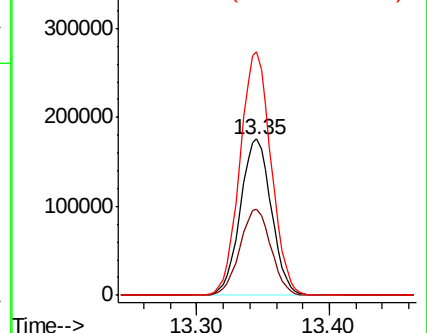
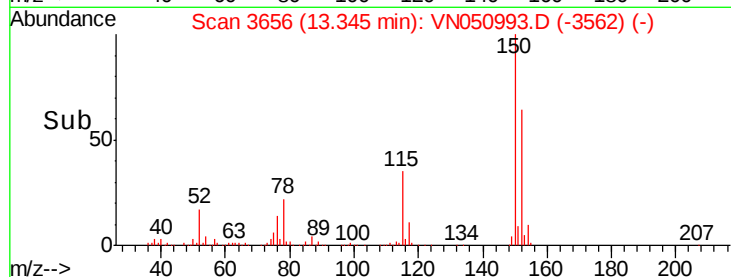
150 156.3 0.0 351.4



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: 12.40 min Scan# 3362

Delta R.T. -0.10 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

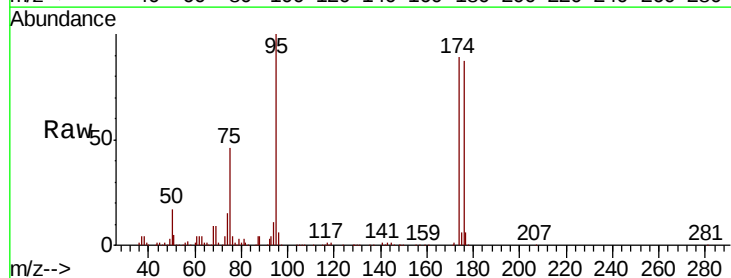
Tgt Ion: 83 Resp: 98

Ion Ratio Lower Upper

83 100

131 454.1 5.3 15.9#

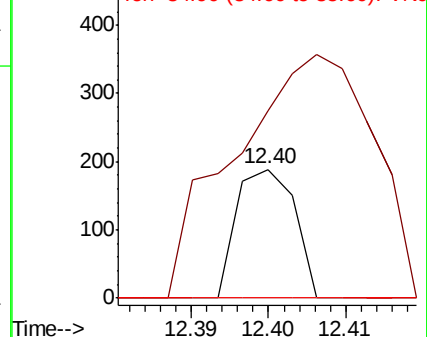
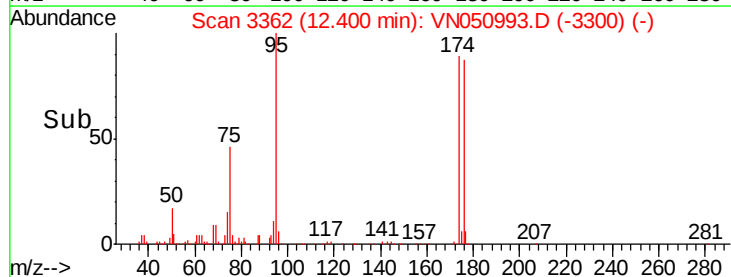
85 0.0 31.9 95.7#

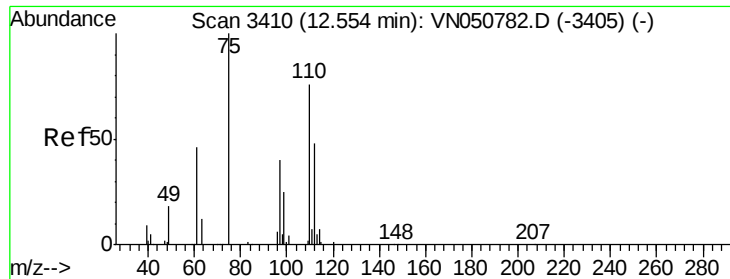


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 29.36 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

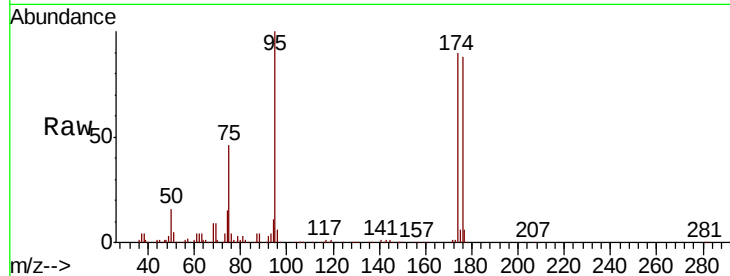
OK-01-082118

Tot Ion: 75 Resp: 146958

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

100000

80000

60000

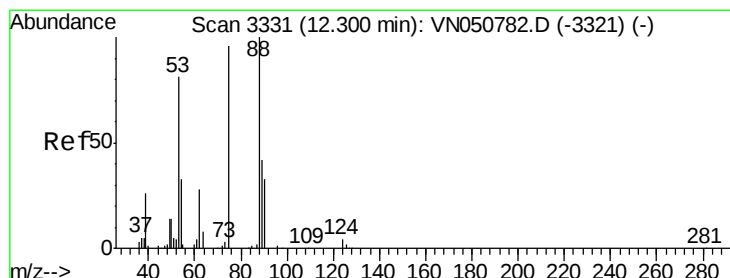
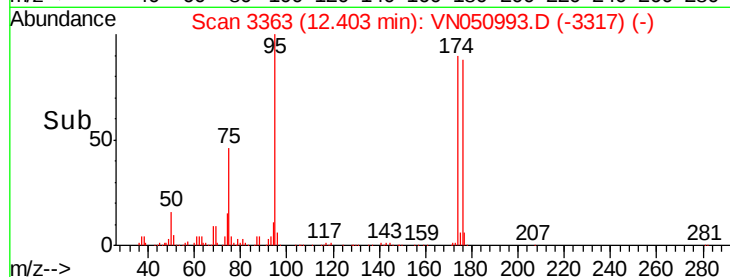
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 99.25 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050993.D

Acq: 31 Aug 2018 17:18

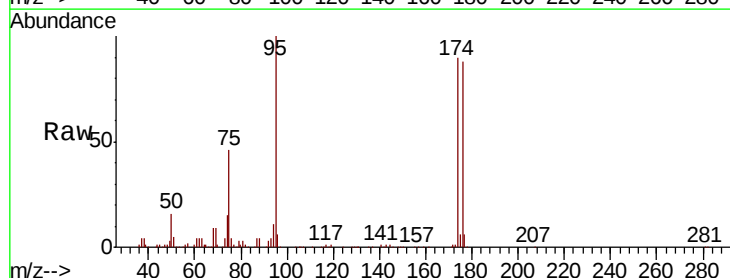
Tgt Ion: 75 Resp: 146958

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

120000

100000

80000

60000

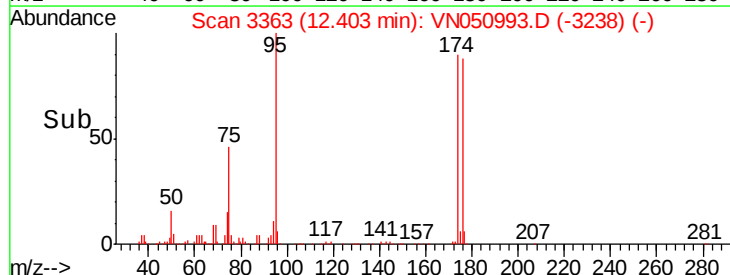
40000

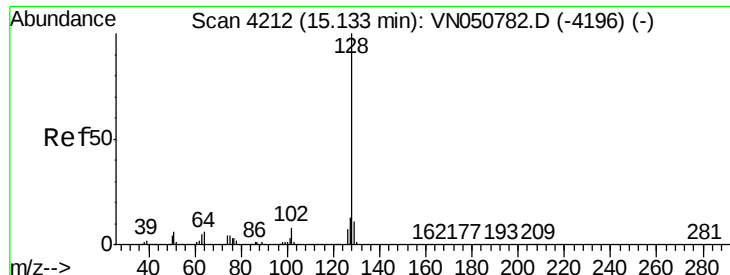
20000

0

12.35 12.40 12.45

Time-->

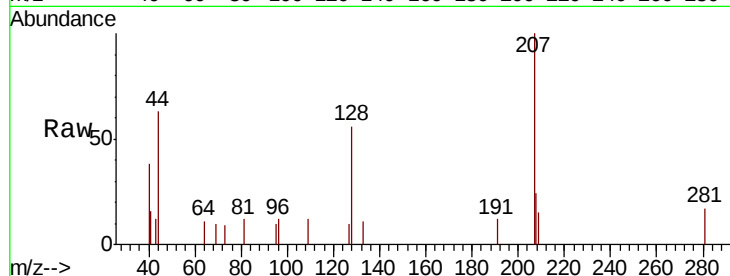




#95
Naphthalene
Concen: 5.57 ug/l
RT: 15.13 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN050993.D
Acq: 31 Aug 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
OK-01-082118

Tot Ion	Ratio	Lower	Upper
128	100		
127	3.3	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

