

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051230.D
 Acq On : 15 Sep 2018 18:22
 Operator : MD\SY
 Sample : PB112879ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

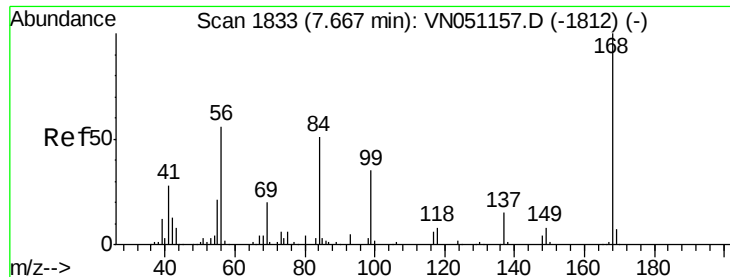
Quant Time: Sep 17 02:17:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	436870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	687773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	163085	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	236741	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	7.59	113	257454	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	10.09	98	867999	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	
62) 4-Bromofluorobenzene	12.40	95	224195	34.56	ug/l	0.00
Spiked Amount			Recovery	=	69.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1708	Below Cal	#	85
5) Bromomethane	2.57	94	2000	Below Cal		89
10) Methyl Iodide	3.96	142	336	5.70	ug/l #	44
11) Tert butyl alcohol	4.78	59	150	0.40	ug/l #	73
16) Acetone	3.83	43	9235	1.89	ug/l	98
18) Methyl Acetate	4.34	43	14310	3.68	ug/l	94
20) Methylene Chloride	4.56	84	6367	1.19	ug/l	90
25) 2-Butanone	6.86	43	5517	2.89	ug/l #	88
29) Tetrahydrofuran	7.23	42	729	0.61	ug/l #	45
31) Cyclohexane	7.67	56	6984	0.65	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	28705	3.80	ug/l #	48
38) Carbon Tetrachloride	7.67	117	37342	5.02	ug/l #	15
43) Isopropyl Acetate	8.17	43	271424	35.17	ug/l #	78
48) Methyl methacrylate	9.18	41	5631	1.50	ug/l #	20
56) Ethyl methacrylate	10.24	69	1262	2.63	ug/l #	45
59) 2-Hexanone	10.77	43	13487	4.66	ug/l #	57
76) 1,2,3-Trichloropropane	12.40	75	103033	40.47	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	103033	119.98	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

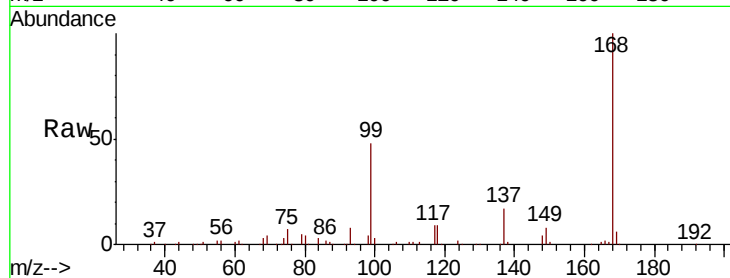
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 436870

Ion Ratio Lower Upper

168 100

99 48.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

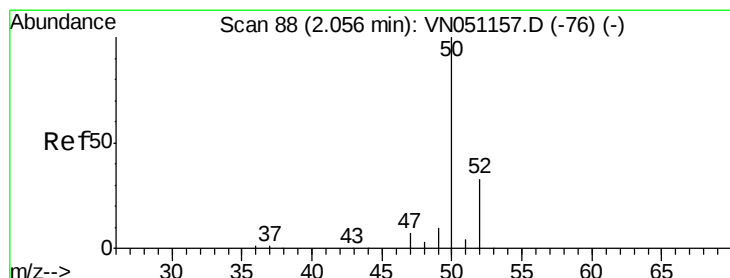
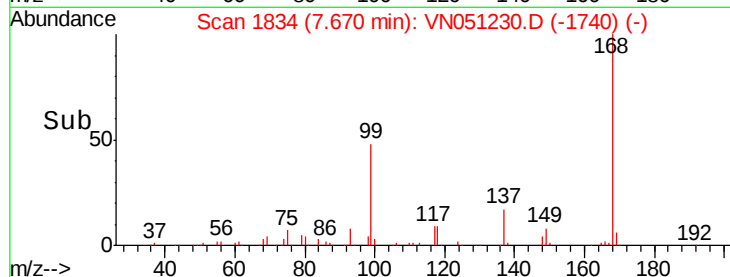
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051230.D

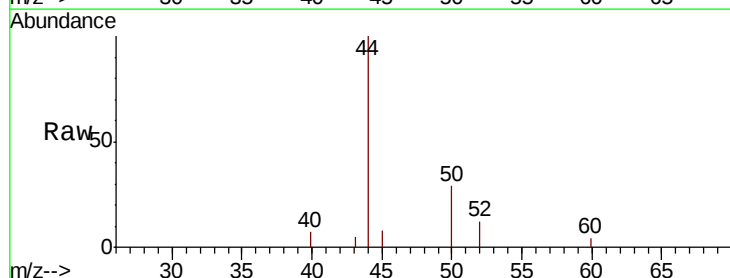
Acq: 15 Sep 2018 18:22

Tgt Ion: 50 Resp: 1708

Ion Ratio Lower Upper

50 100

52 41.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

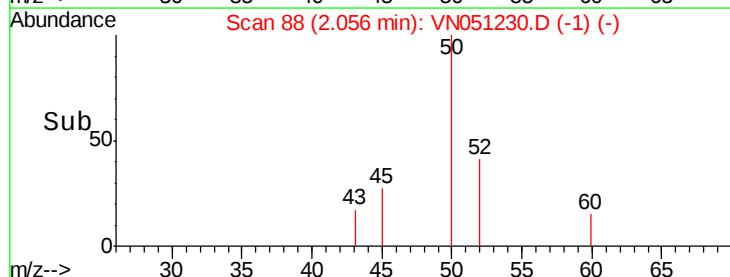
1500

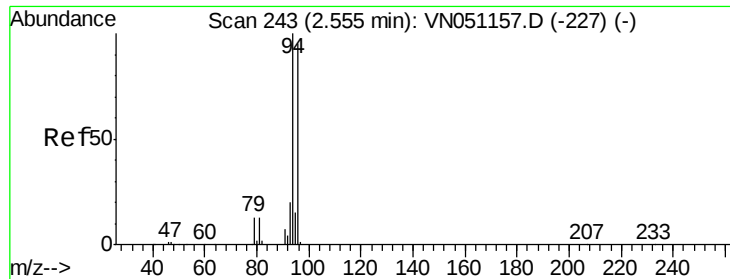
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

Instrument :

MSVOA_N

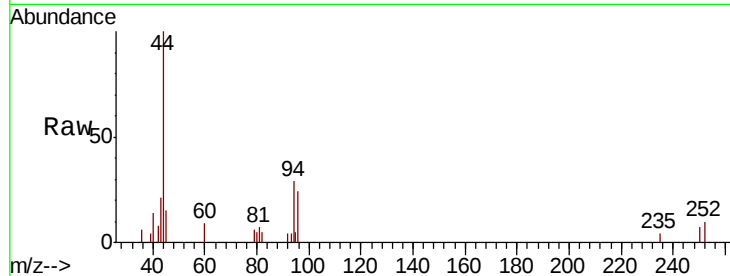
ClientSampled :

Tot Ion: 94 Resp: 2000

Ion Ratio Lower Upper

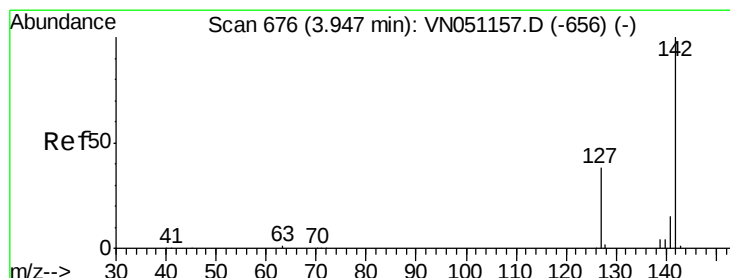
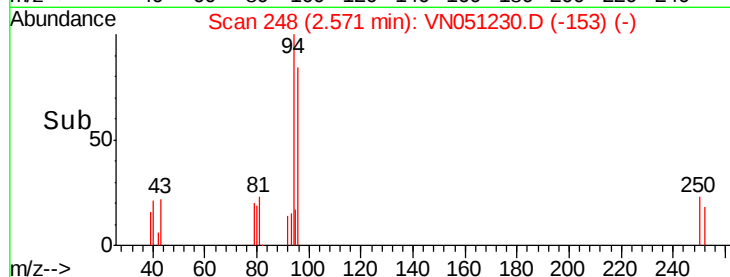
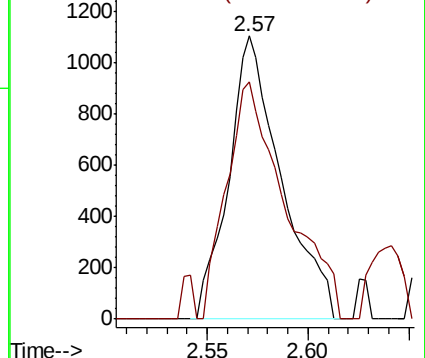
94 100

96 83.8 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 5.70 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

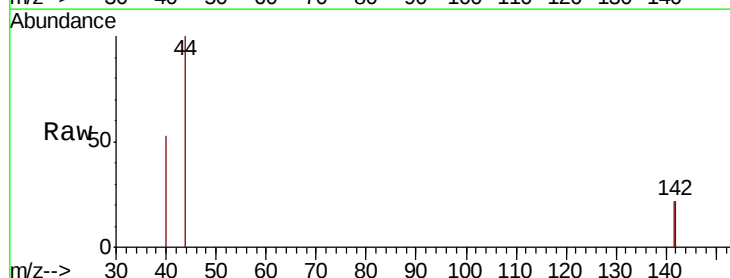
Tgt Ion: 142 Resp: 336

Ion Ratio Lower Upper

142 100

127 0.0 31.0 46.4#

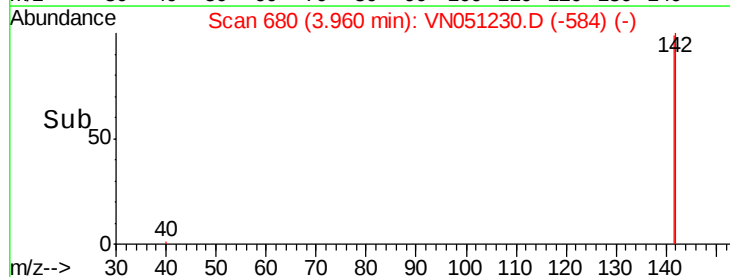
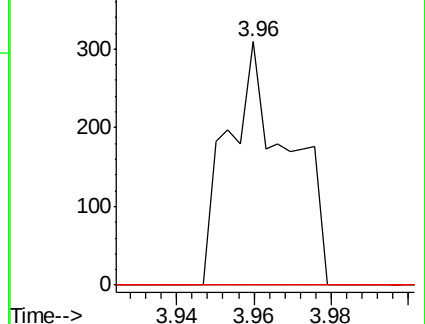
141 0.0 11.3 16.9#

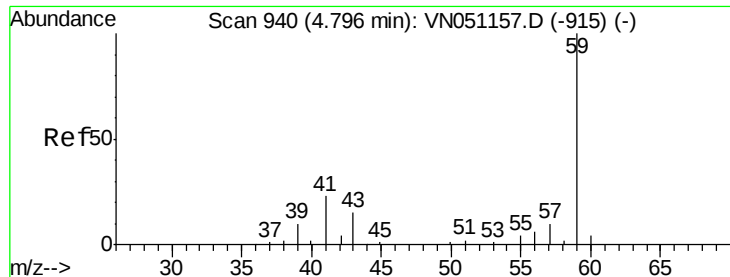


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

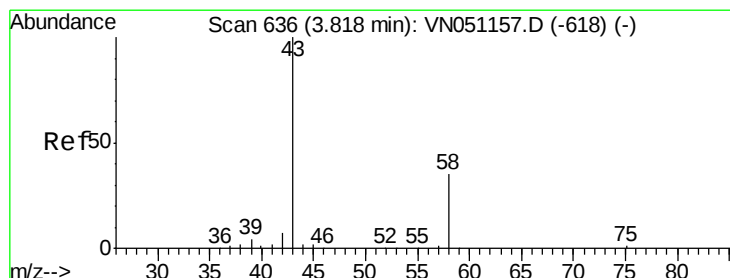
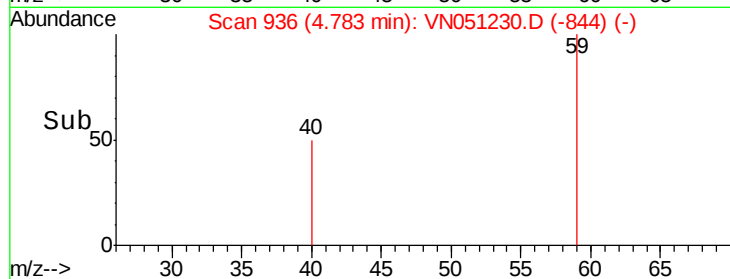
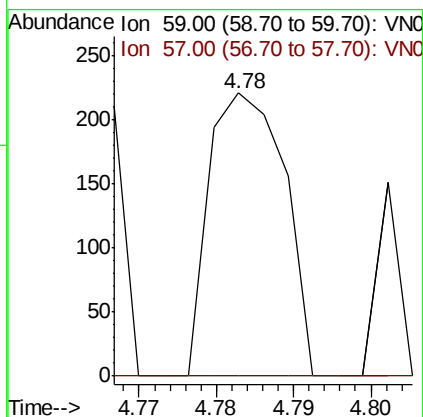
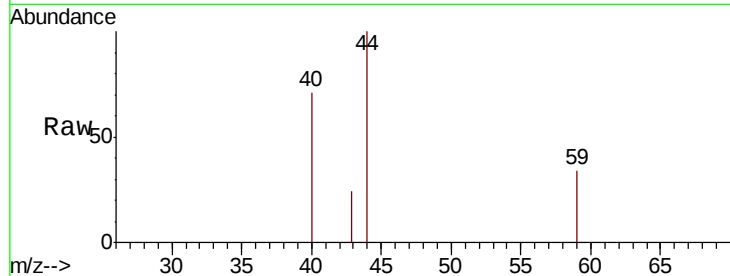




#11
Tert butyl alcohol
Concen: 0.40 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN051230.D
Acq: 15 Sep 2018 18:22

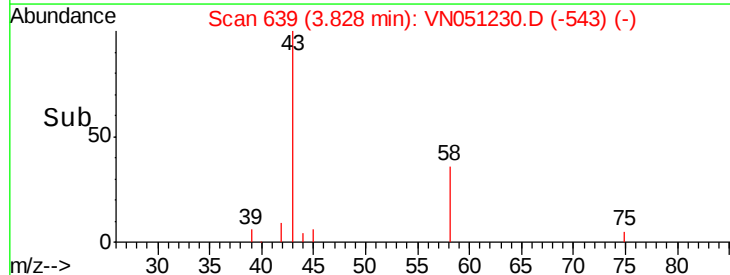
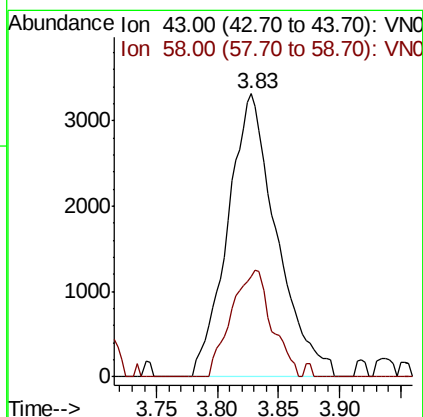
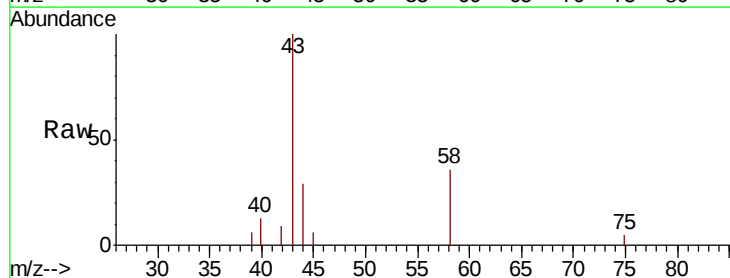
Instrument :
MSVOA_N
ClientSampled :

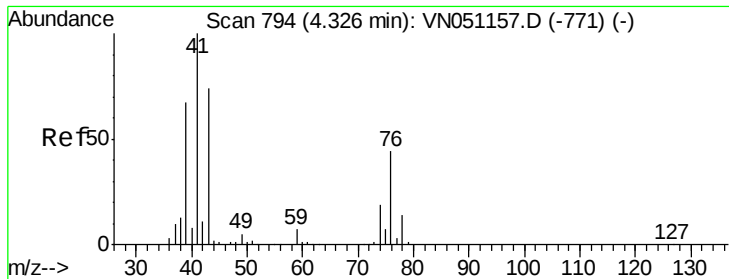
Tot Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 1.89 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051230.D
Acq: 15 Sep 2018 18:22

Tgt Ion: 43 Resp: 9235
Ion Ratio Lower Upper
43 100
58 35.6 27.8 41.6

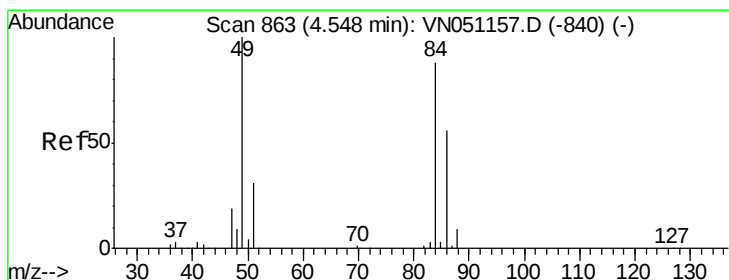
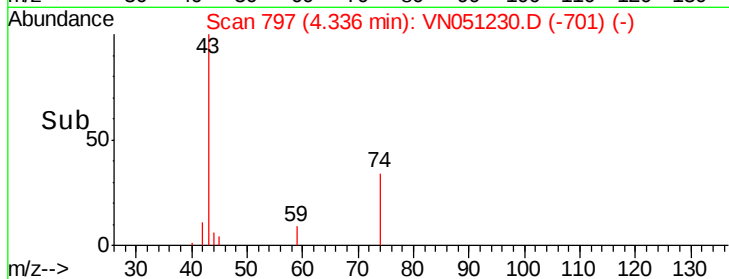
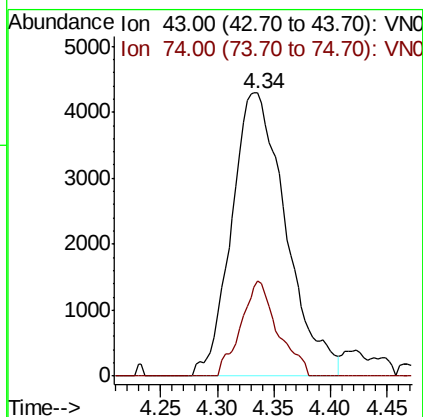
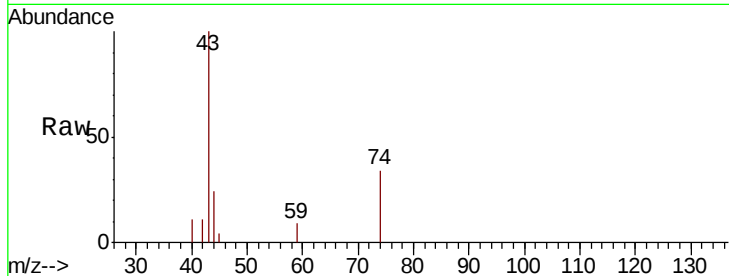




#18
Methvl Acetate
Concen: 3.68 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051230.D
Acq: 15 Sep 2018 18:22

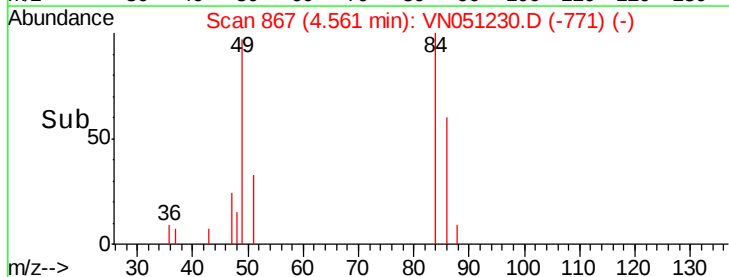
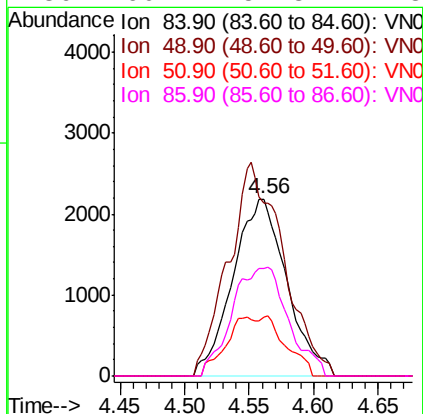
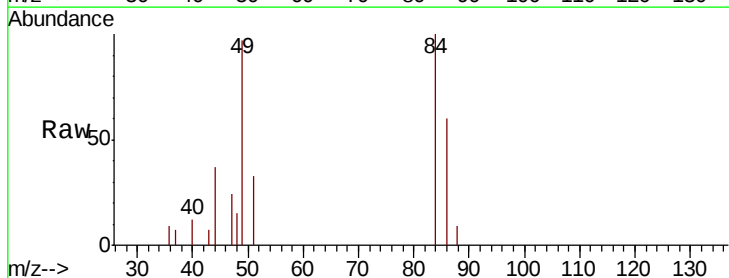
Instrument :
MSVOA_N
ClientSampleId :

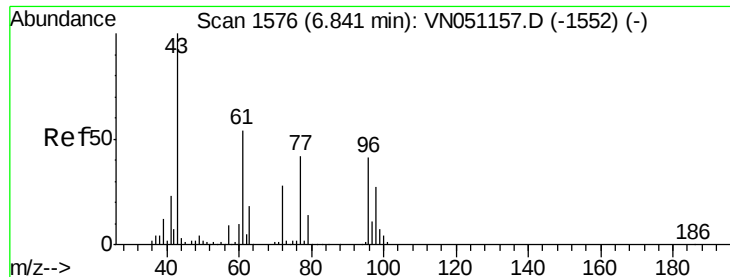
Tot Ion: 43 Resp: 14310
Ion Ratio Lower Upper
43 100
74 22.7 20.7 31.1



#20
Methylene Chloride
Concen: 1.19 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN051230.D
Acq: 15 Sep 2018 18:22

Tgt Ion: 84 Resp: 6367
Ion Ratio Lower Upper
84 100
49 97.3 90.2 135.2
51 33.0 28.4 42.6
86 60.4 51.8 77.8





#25

2-Butanone

Concen: 2.89 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

Instrument :

MSVOA_N

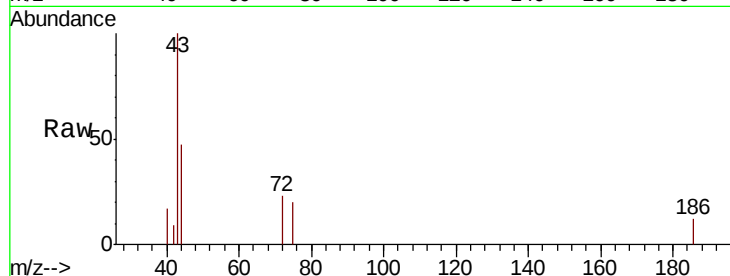
ClientSampleId :

Tot Ion: 43 Resp: 5517

Ion Ratio Lower Upper

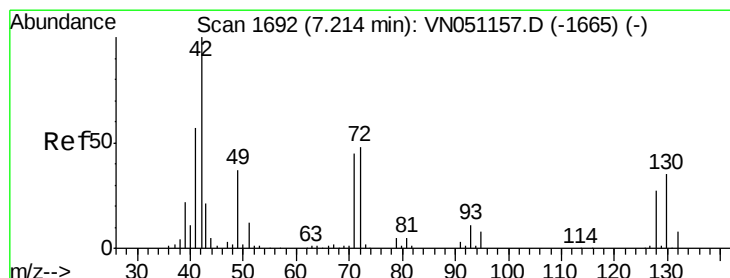
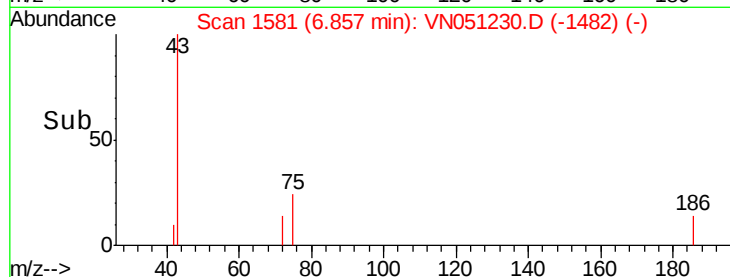
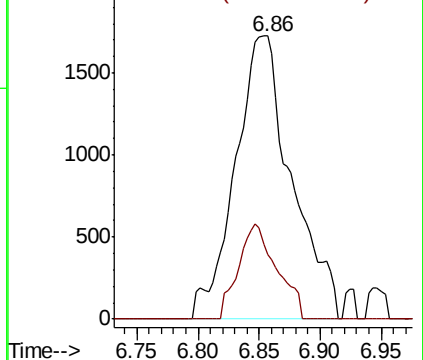
43 100

72 22.6 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

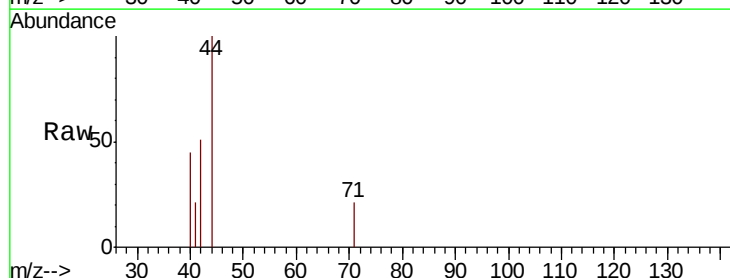
Tgt Ion: 42 Resp: 729

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

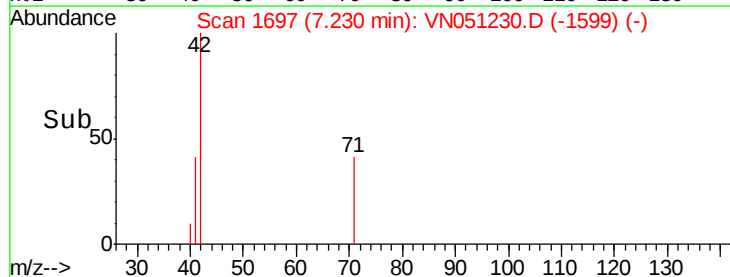
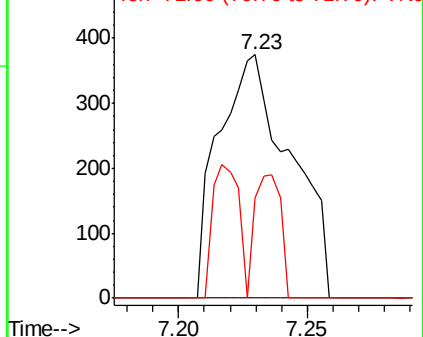
71 18.1 34.7 52.1#

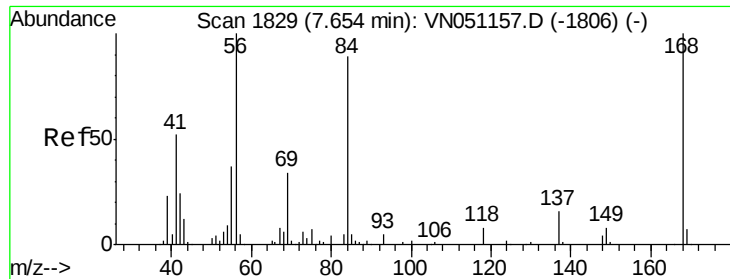


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

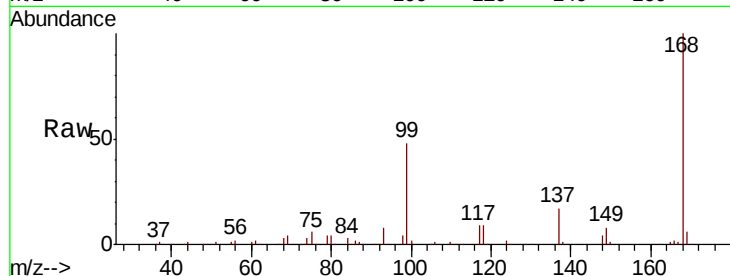




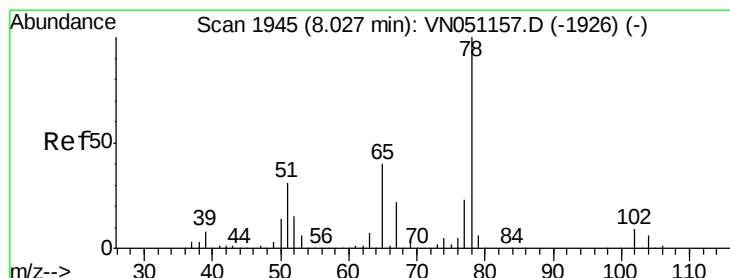
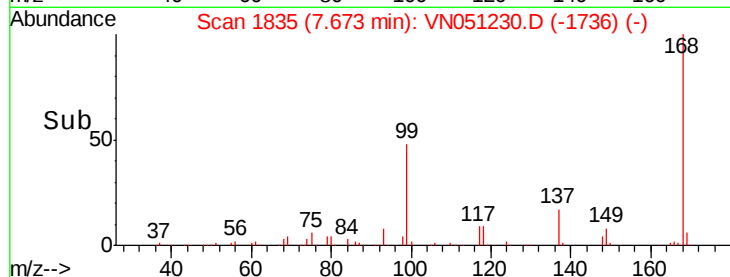
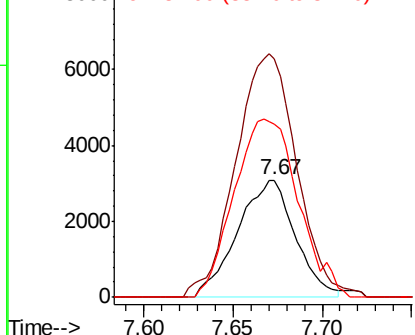
#31
Cyclohexane
Concen: 0.65 ug/l
RT: 7.67 min Scan# 1835
Delta R.T. 0.02 min
Lab File: VN051230.D
Acq: 15 Sep 2018 18:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6984
Ion Ratio Lower Upper
56 100
69 195.3 26.3 39.5#
84 147.3 69.4 104.0#

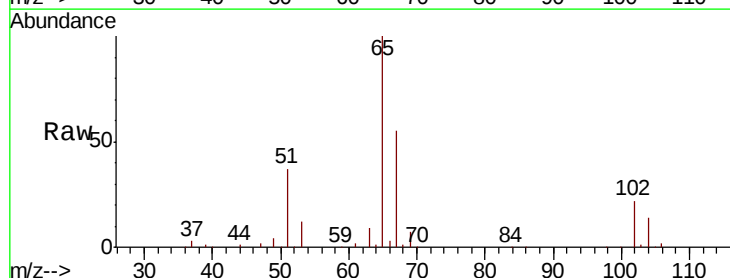


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

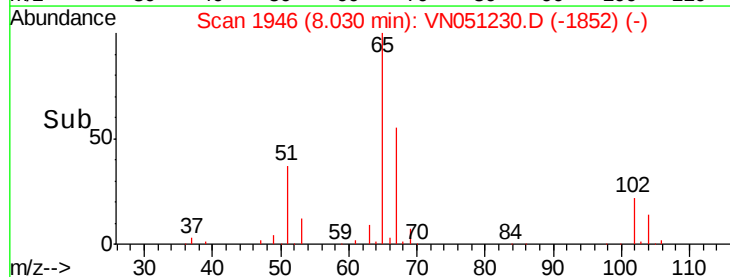
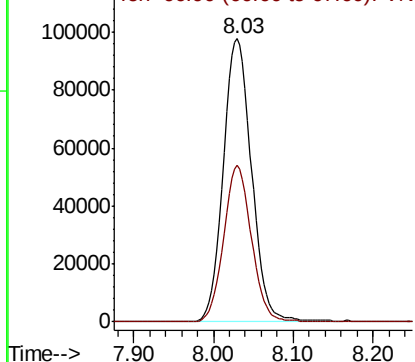


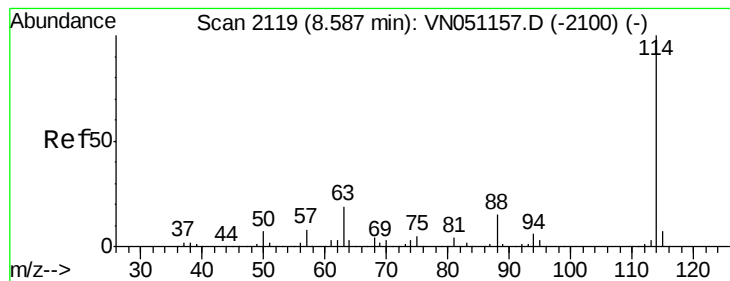
#33
1,2-Dichloroethane-d4
Concen: 48.70 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051230.D
Acq: 15 Sep 2018 18:22

Tgt Ion: 65 Resp: 236741
Ion Ratio Lower Upper
65 100
67 54.1 0.0 112.0



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# 2119

Delta R.T. -0.00 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

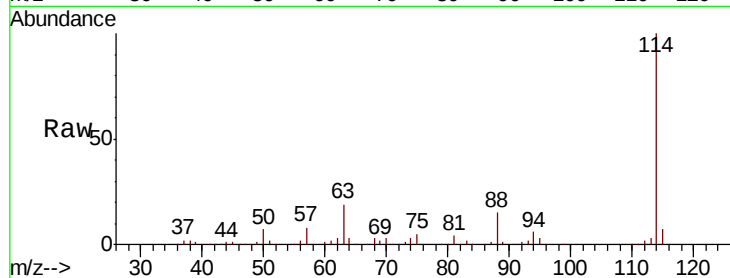
Tot Ion:114 Resp: 687773

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.8

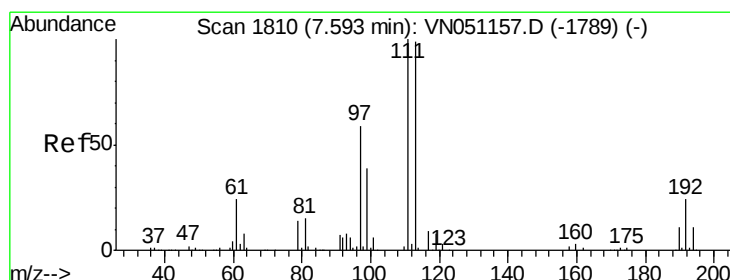
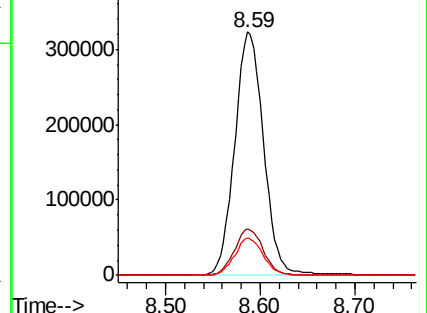
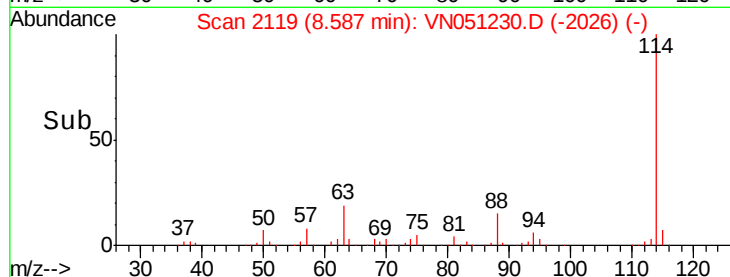
88 15.2 0.0 30.8



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: 49.82 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

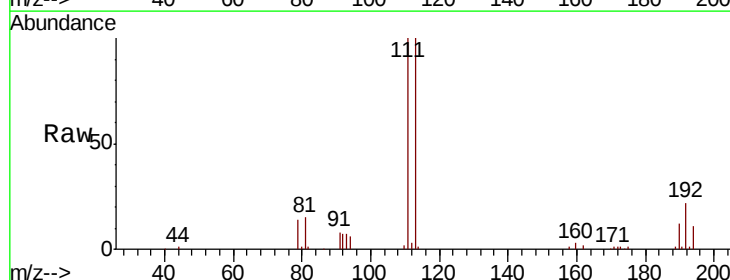
Tgt Ion:113 Resp: 257454

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.6

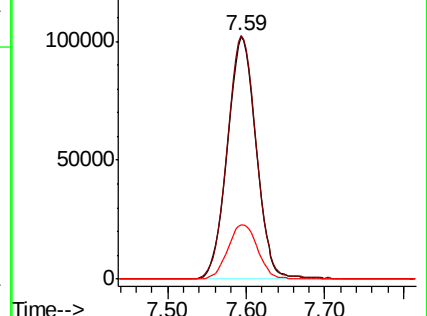
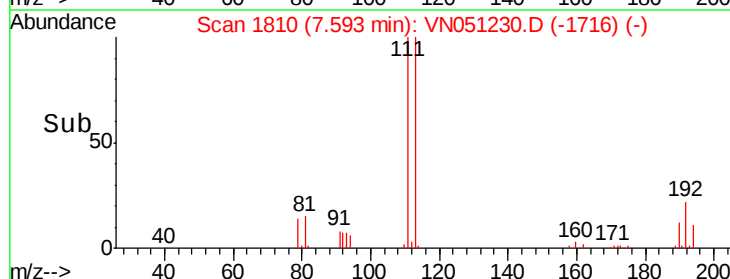
192 23.2 18.7 28.1

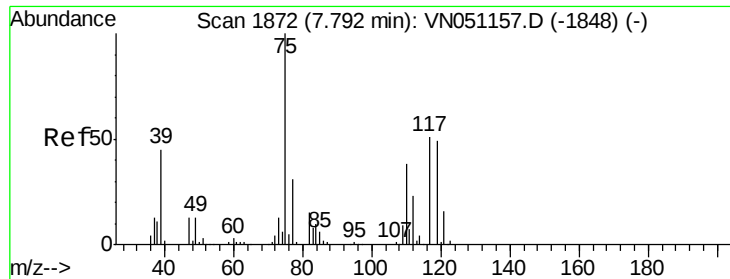


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

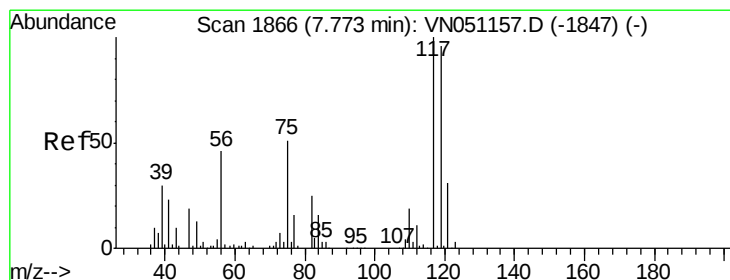
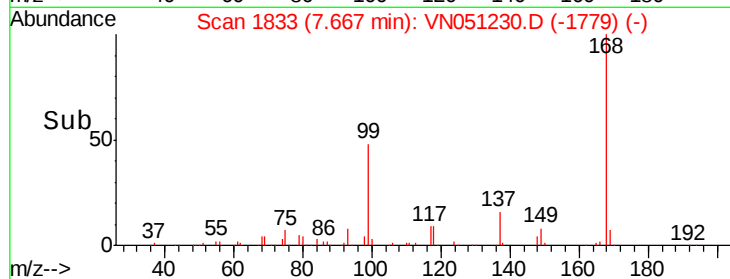
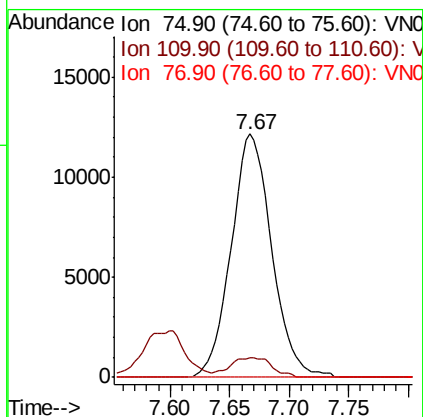
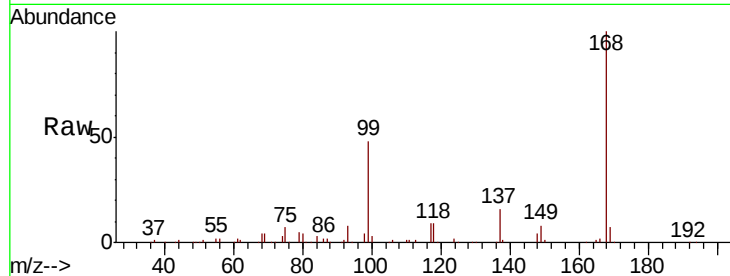




#36
 1,1-Dichloropropene
 Concen: 3.80 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051230.D
 Acq: 15 Sep 2018 18:22

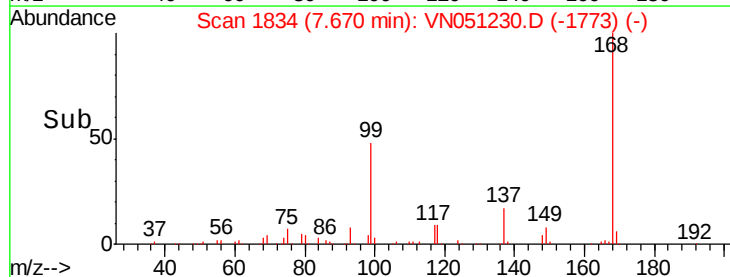
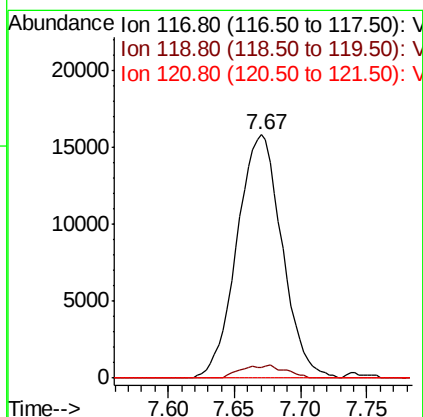
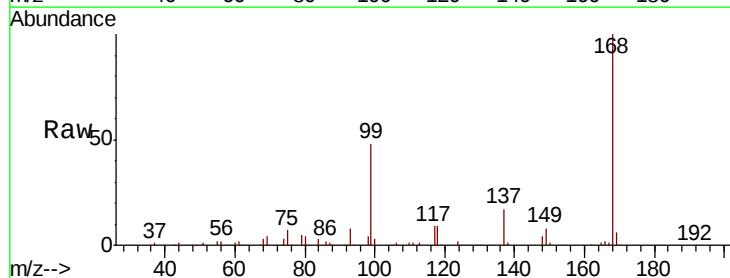
Instrument :
 MSVOA_N
 ClientSampleId :

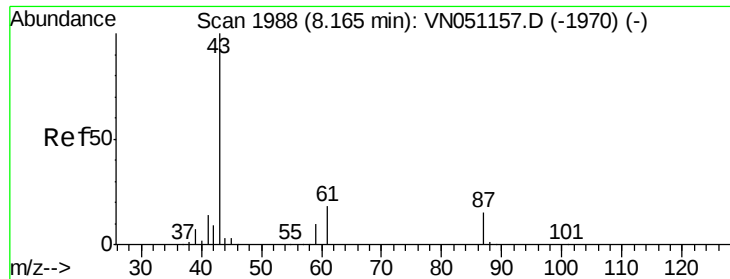
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.6	55.8#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.02 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.10 min
 Lab File: VN051230.D
 Acq: 15 Sep 2018 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.8	115.2#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 35.17 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

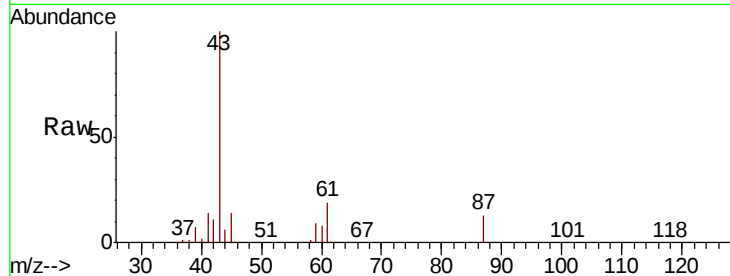
Tot Ion: 43 Resp: 271424

Ion Ratio Lower Upper

43 100

61 15.9 25.0 37.6#

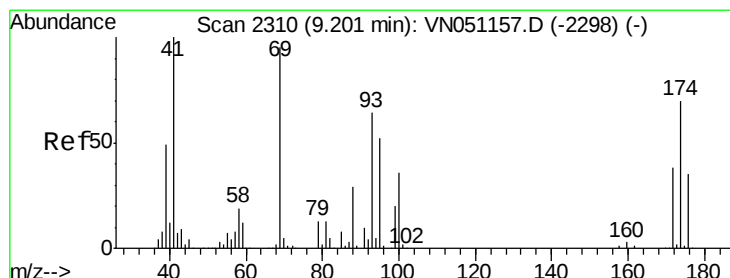
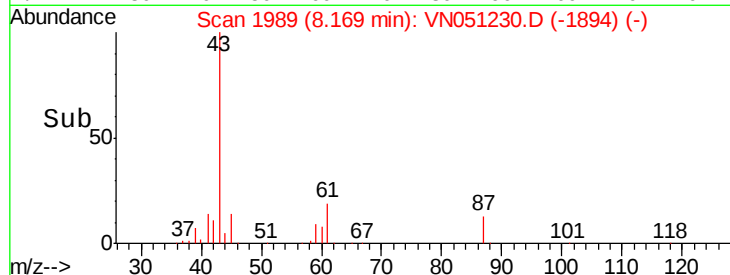
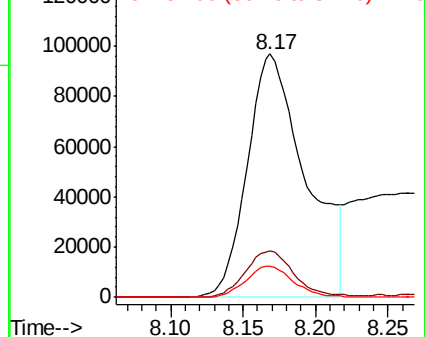
87 10.4 11.8 17.8#



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: 1.50 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

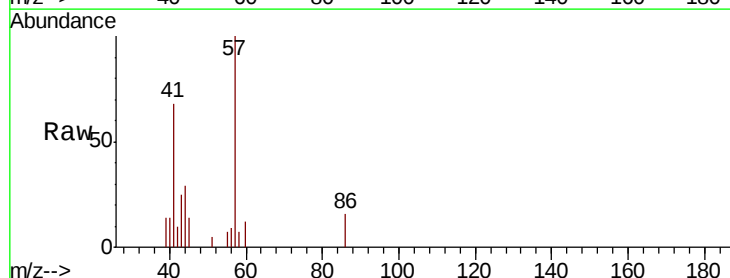
Tgt Ion: 41 Resp: 5631

Ion Ratio Lower Upper

41 100

69 0.0 77.7 116.5#

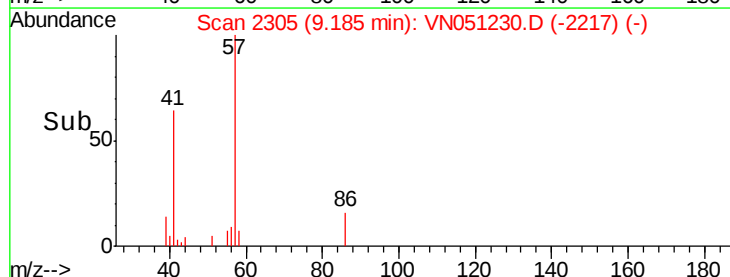
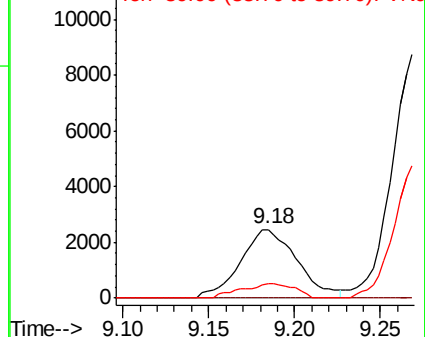
39 19.8 41.6 62.4#

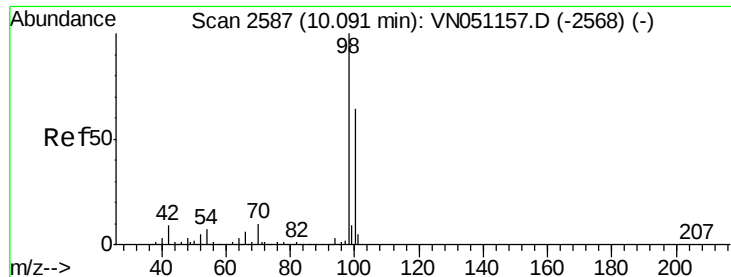


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 44.26 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

Instrument :

MSVOA_N

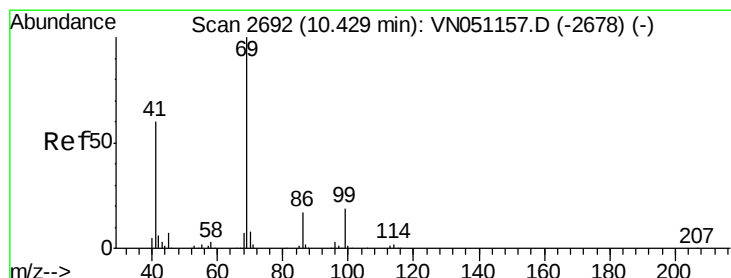
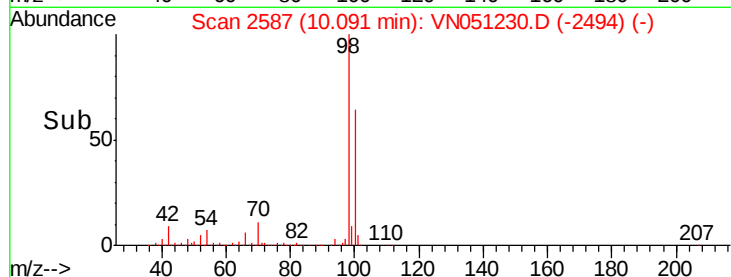
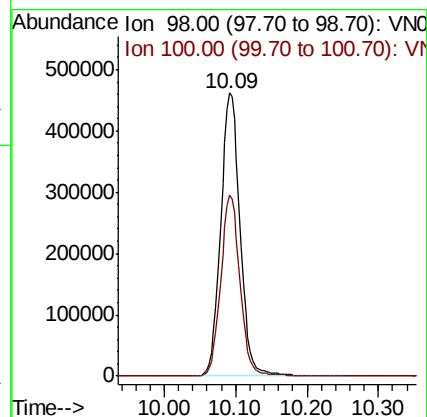
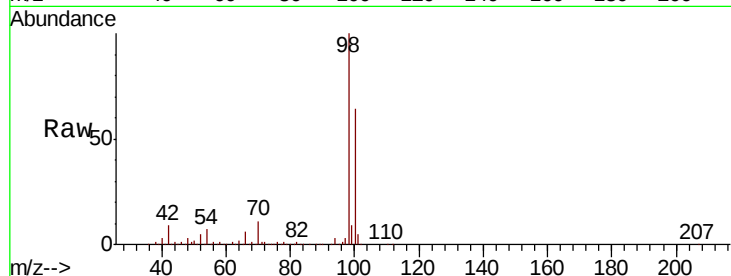
ClientSampled :

Tot Ion: 98 Resp: 867999

Ion Ratio Lower Upper

98 100

100 63.4 52.0 78.0



#56

Ethyl methacrylate

Concen: 2.63 ug/l

RT: 10.24 min Scan# 2632

Delta R.T. -0.19 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

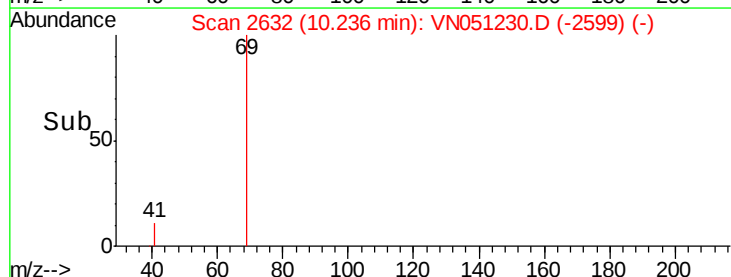
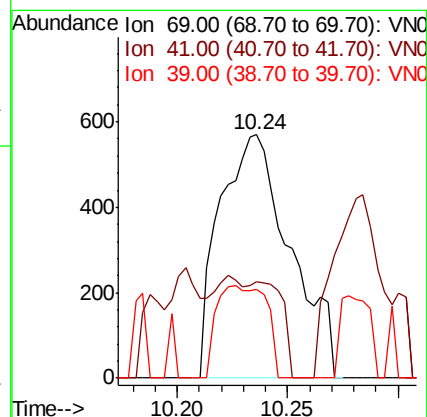
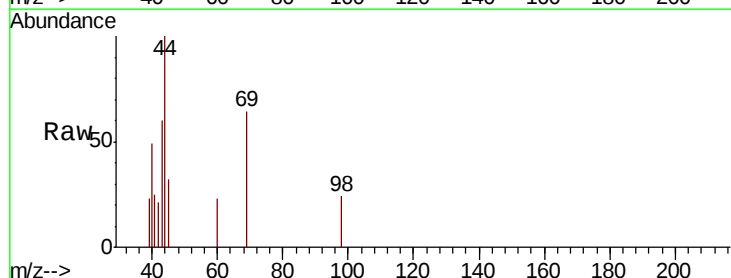
Tgt Ion: 69 Resp: 1262

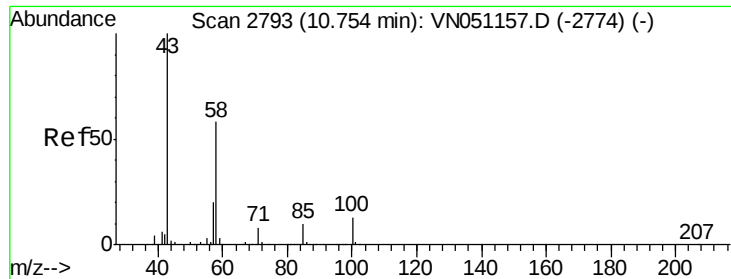
Ion Ratio Lower Upper

69 100

41 0.0 47.8 71.8#

39 26.8 23.0 34.4

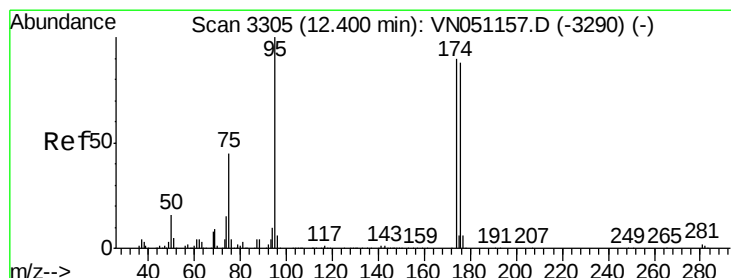
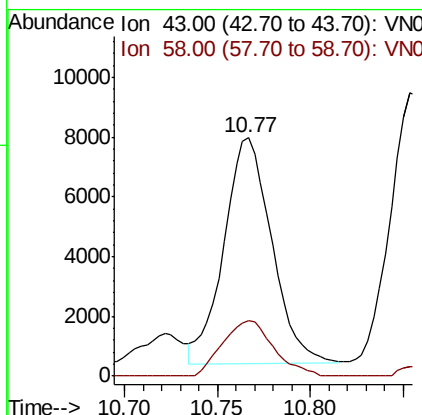
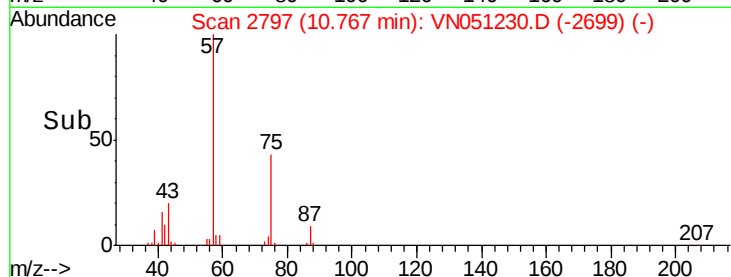
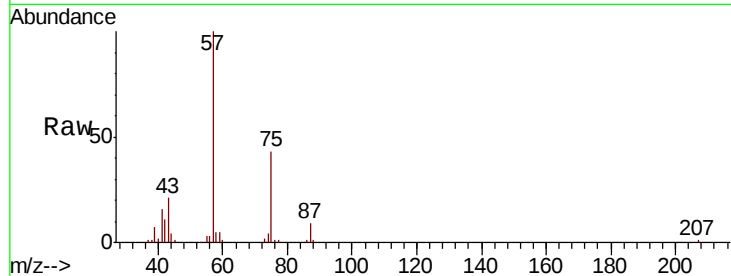




#59
2-Hexanone
Concen: 4.66 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051230.D
Acq: 15 Sep 2018 18:22

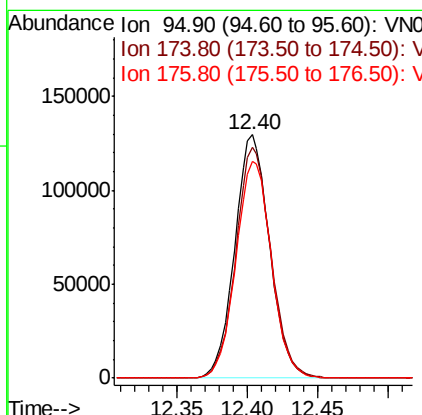
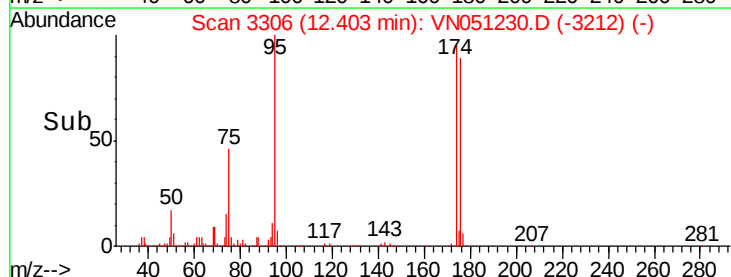
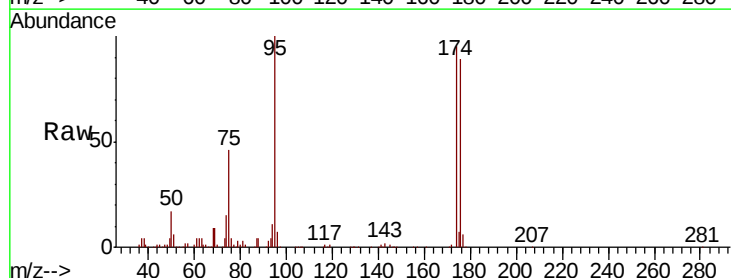
Instrument :
MSVOA_N
ClientSampled :

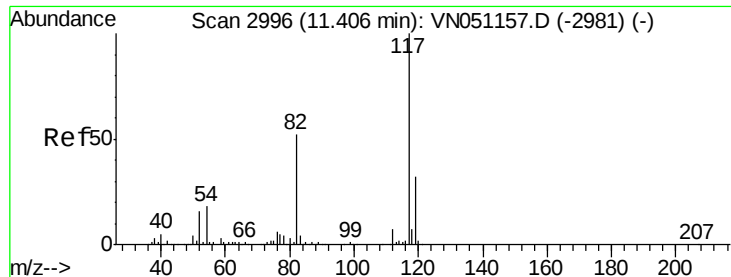
Tot Ion: 43 Resp: 13487
Ion Ratio Lower Upper
43 100
58 26.4 29.3 88.0#



#62
4-Bromofluorobenzene
Concen: 34.56 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051230.D
Acq: 15 Sep 2018 18:22

Tgt Ion: 95 Resp: 224195
Ion Ratio Lower Upper
95 100
174 95.6 0.0 184.8
176 90.5 0.0 178.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

Instrument :

MSVOA_N

ClientSampleId :

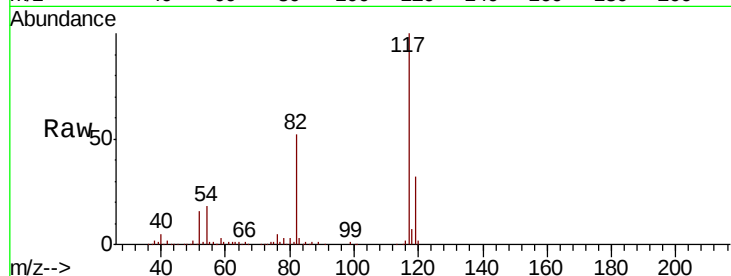
Tot Ion:117 Resp: 554633

Ion Ratio Lower Upper

117 100

82 51.7 41.8 62.6

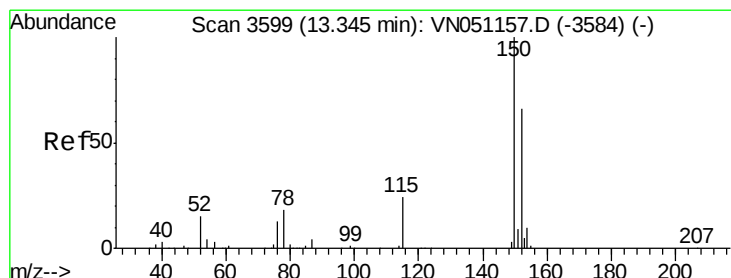
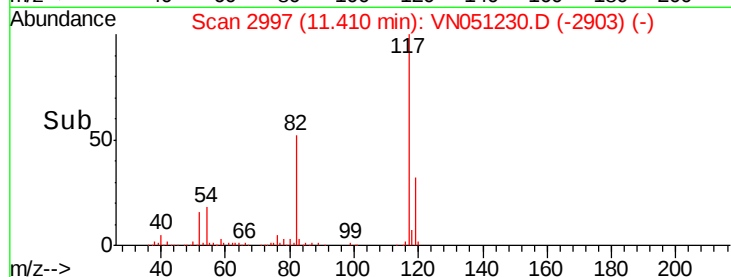
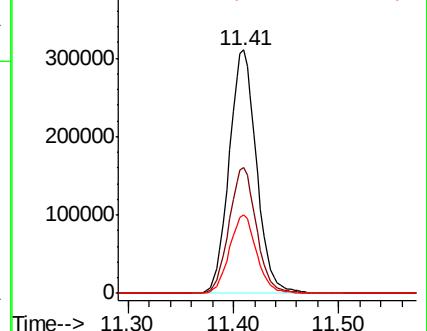
119 32.1 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

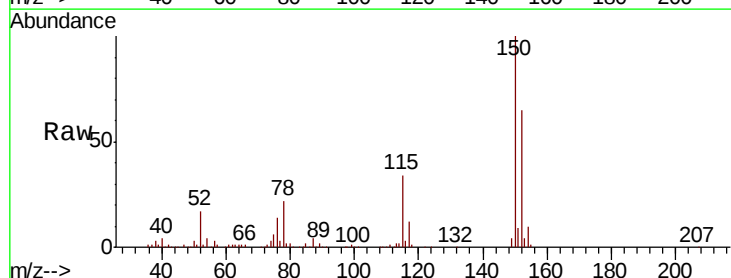
Tgt Ion:152 Resp: 163085

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.7

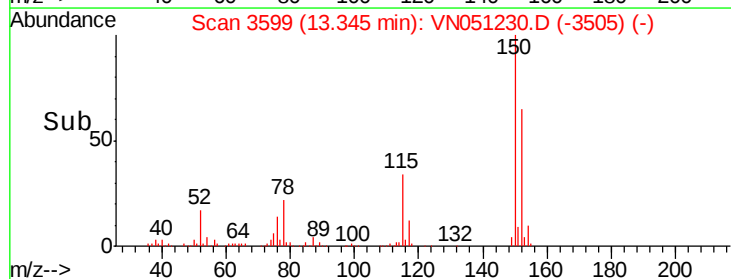
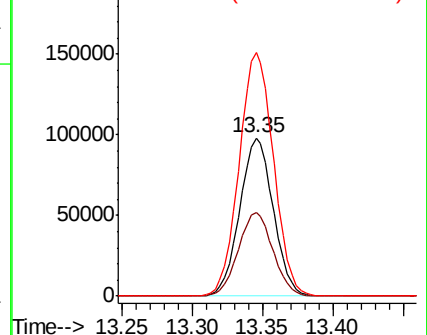
150 158.0 0.0 349.0

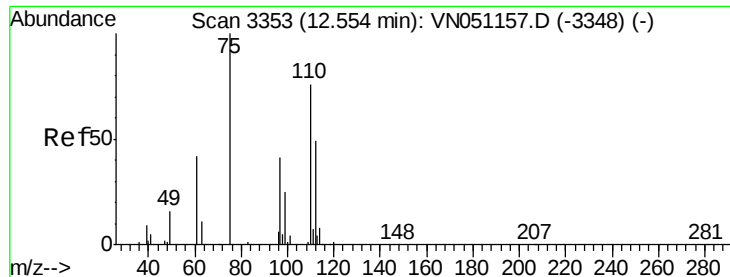


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 40.47 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

Instrument :

MSVOA_N

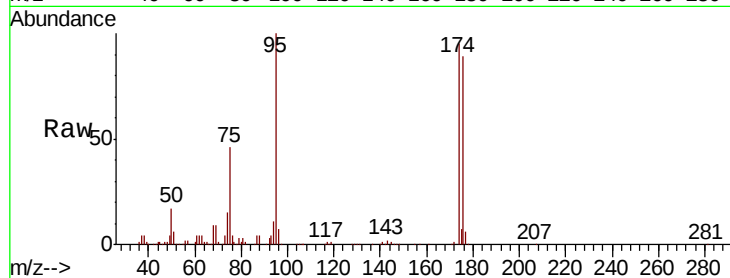
ClientSampleId :

Tot Ion: 75 Resp: 103033

Ion Ratio Lower Upper

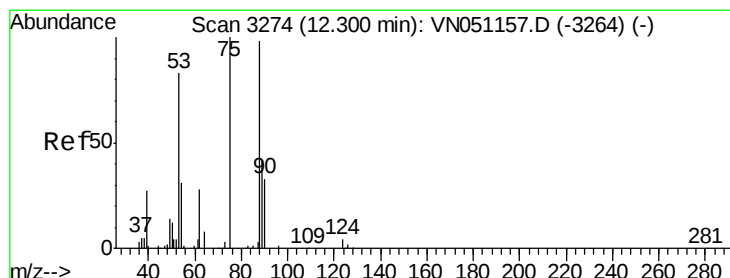
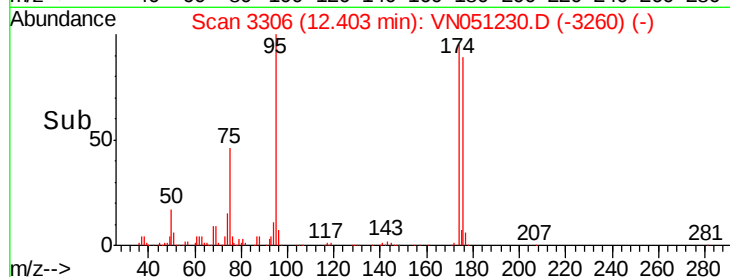
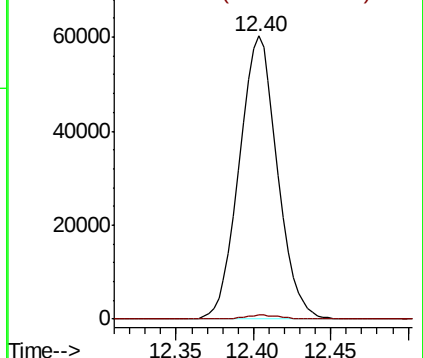
75 100

77 1.3 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: 119.98 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051230.D

Acq: 15 Sep 2018 18:22

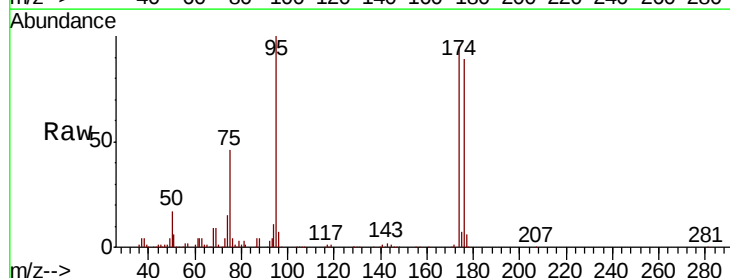
Tgt Ion: 75 Resp: 103033

Ion Ratio Lower Upper

75 100

53 0.2 67.8 101.8#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

