

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051237.D
 Acq On : 15 Sep 2018 21:14
 Operator : MD\SY
 Sample : PB112879ZHE#18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 02:18:56 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	409758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	662984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	524783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	154490	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	229162	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
35) Dibromofluoromethane	7.59	113	244063	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.09	98	828681	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	
62) 4-Bromofluorobenzene	12.40	95	211560	33.83	ug/l	0.00
Spiked Amount			Recovery	=	67.66%	

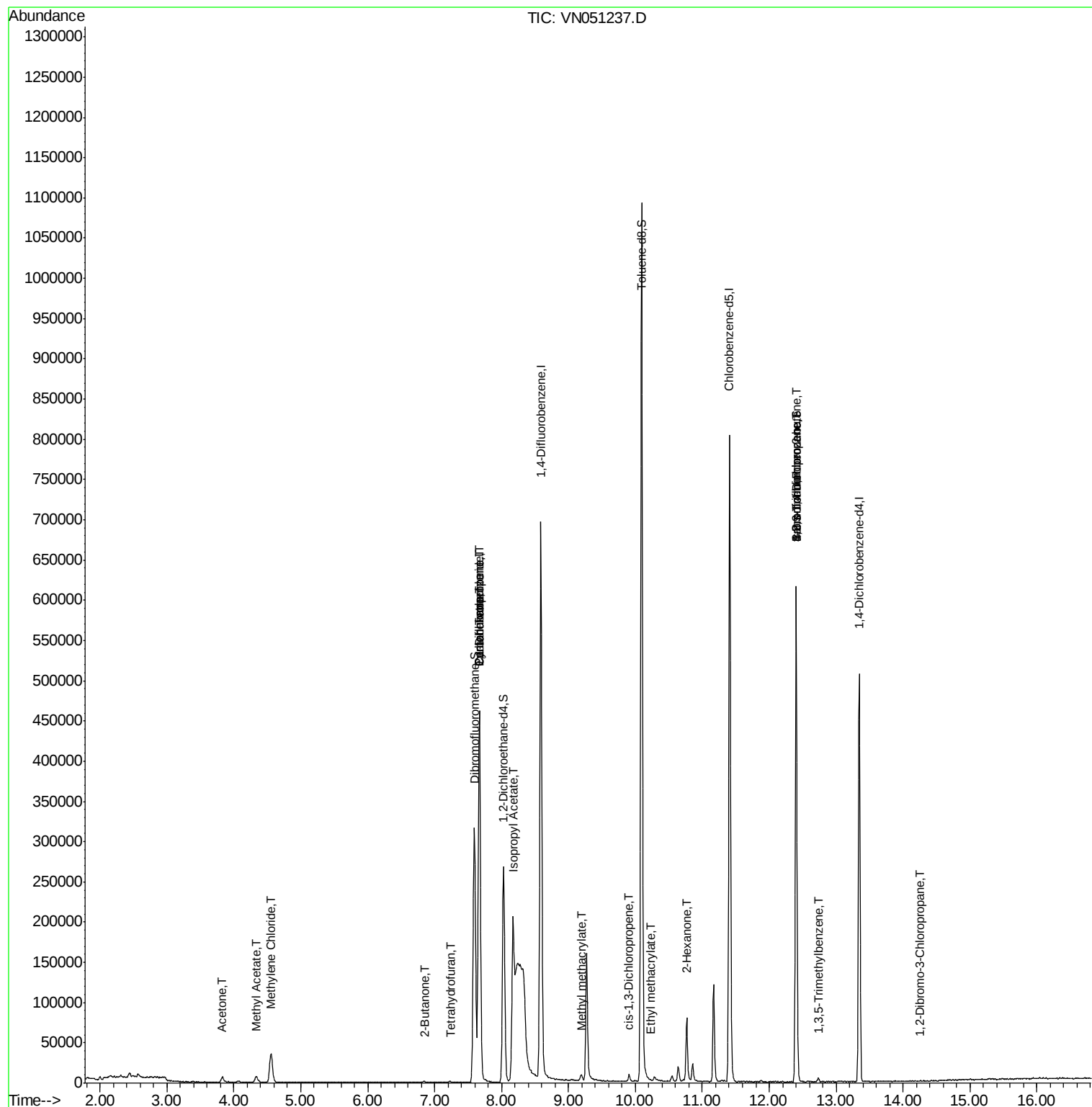
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1735	Below Cal		97
5) Bromomethane	2.56	94	2241	Below Cal		83
16) Acetone	3.83	43	10354	3.43	ug/l	98
18) Methyl Acetate	4.33	43	13911	3.81	ug/l	98
20) Methylene Chloride	4.55	84	28904	5.74	ug/l	99
25) 2-Butanone	6.84	43	863	0.48	ug/l	95
29) Tetrahydrofuran	7.23	42	938	0.84	ug/l #	42
31) Cyclohexane	7.67	56	6622	0.66	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	26384	3.62	ug/l #	47
38) Carbon Tetrachloride	7.67	117	35354	4.93	ug/l #	16
43) Isopropyl Acetate	8.17	43	260483	35.02	ug/l #	77
48) Methyl methacrylate	9.18	41	5467	1.51	ug/l #	15
54) cis-1,3-Dichloropropene	9.90	75	1672	0.20	ug/l #	64
56) Ethyl methacrylate	10.24	69	1211	2.63	ug/l #	78
59) 2-Hexanone	10.77	43	11148	4.00	ug/l #	55
71) Bromoform	12.40	173	1219	0.36	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	60	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	94346	39.07	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2514	0.24	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	94346	115.98	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.26	75	70	0.81	ug/l #	1

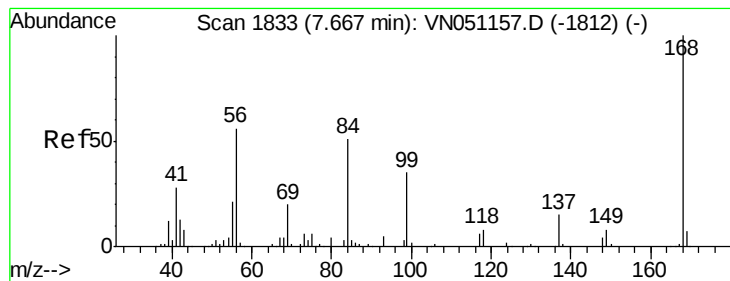
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091518\
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ClientSampleId :

Quant Time: Sep 17 02:18:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

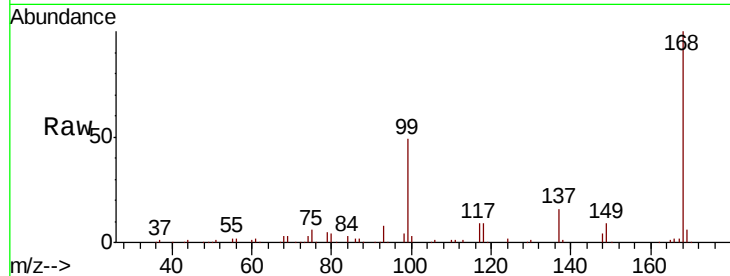
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 409758

Ion Ratio Lower Upper

168 100

99 49.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

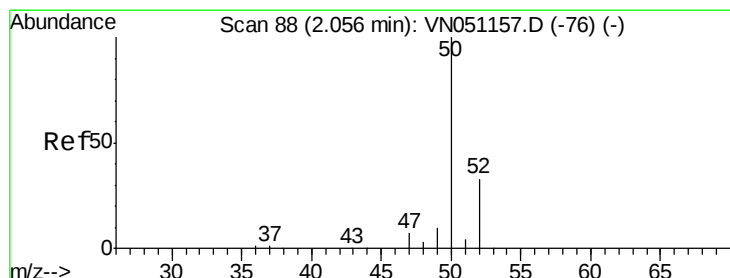
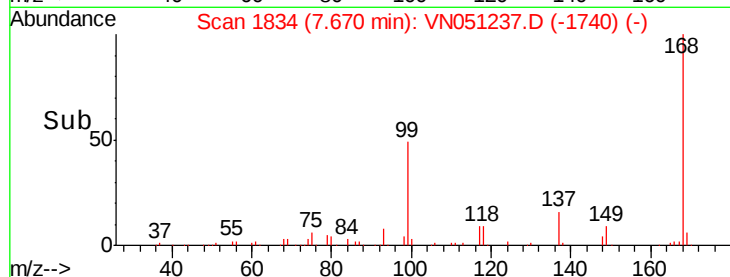
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051237.D

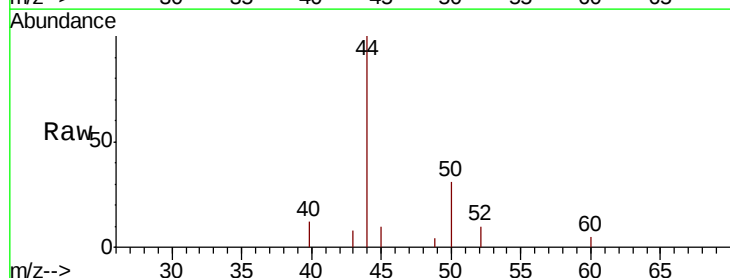
Acq: 15 Sep 2018 21:14

Tgt Ion: 50 Resp: 1735

Ion Ratio Lower Upper

50 100

52 31.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

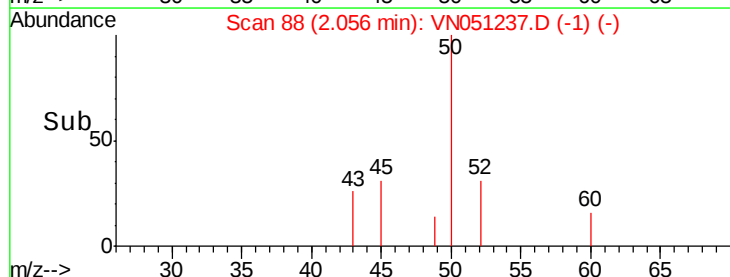
2.06

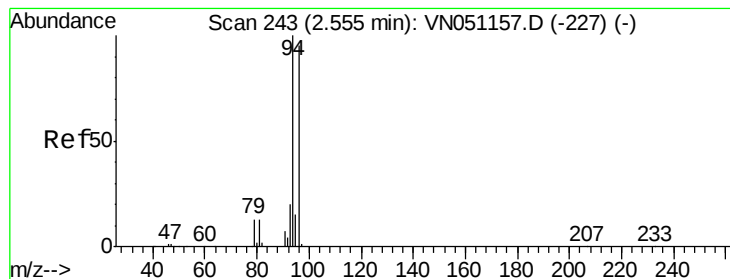
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

Instrument :

MSVOA_N

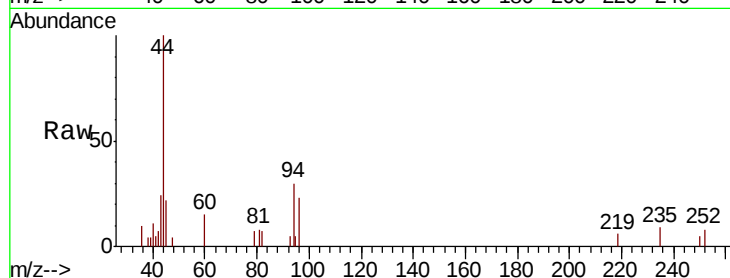
ClientSampled :

Tot Ion: 94 Resp: 2241

Ion Ratio Lower Upper

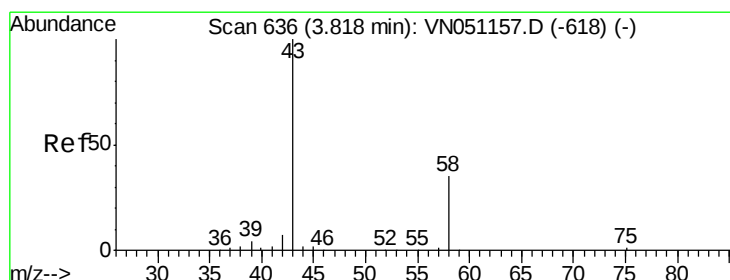
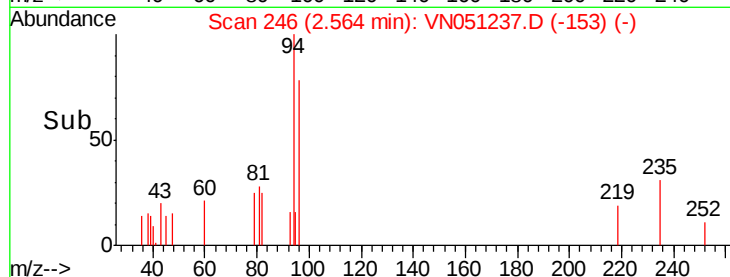
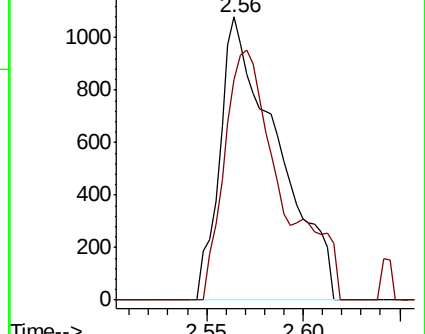
94 100

96 77.9 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 3.43 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051237.D

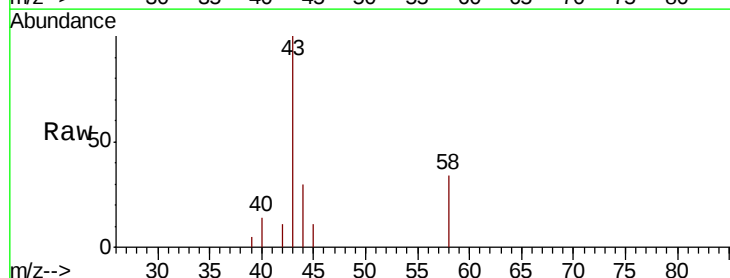
Acq: 15 Sep 2018 21:14

Tgt Ion: 43 Resp: 10354

Ion Ratio Lower Upper

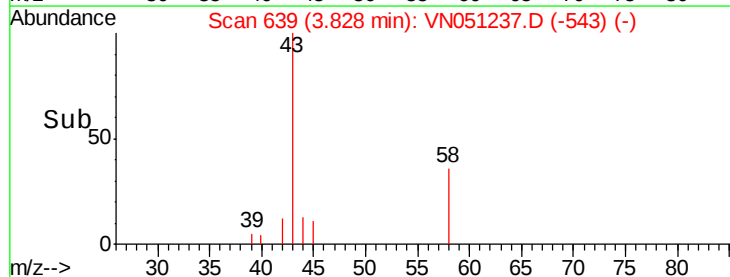
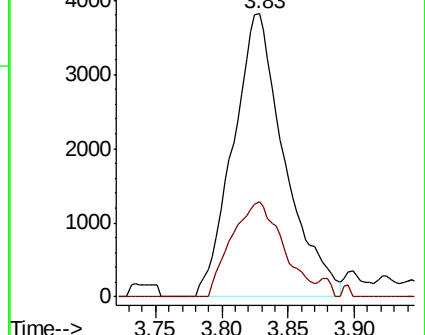
43 100

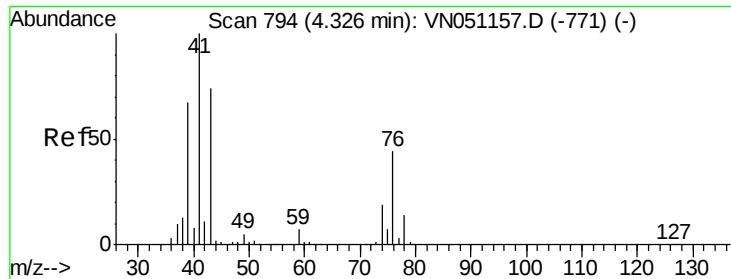
58 33.6 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

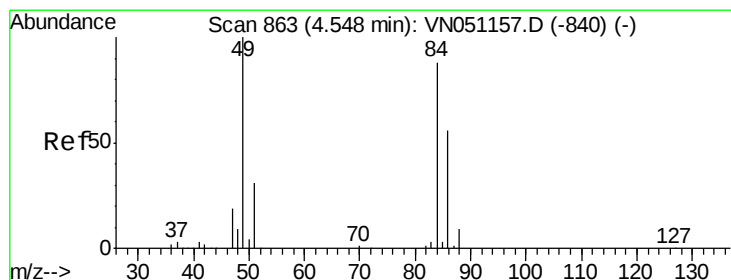
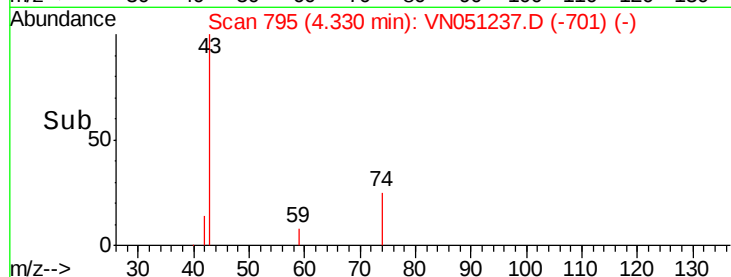
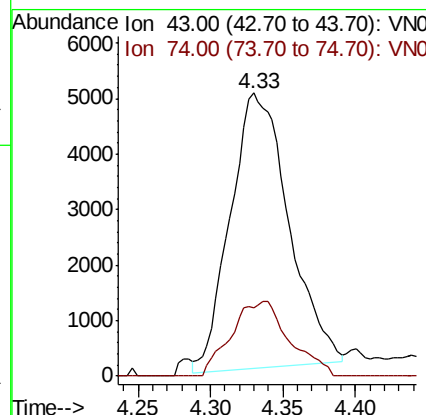
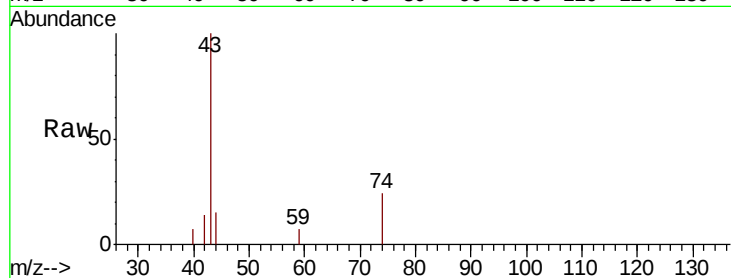




#18
Methyl Acetate
Concen: 3.81 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051237.D
Acq: 15 Sep 2018 21:14

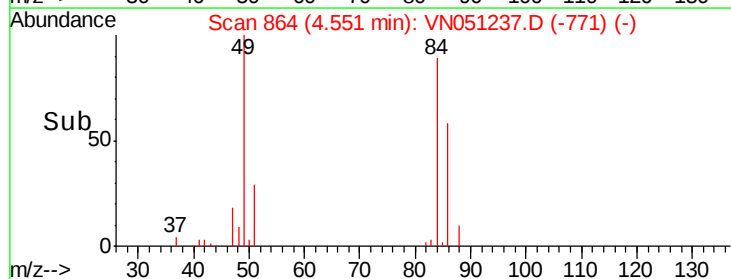
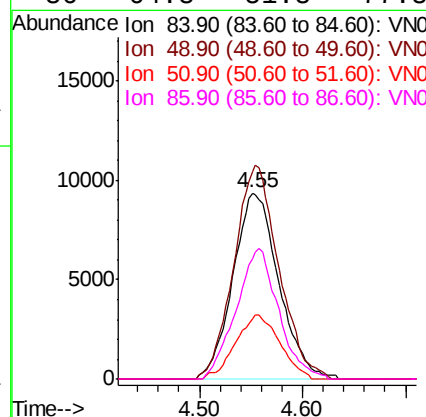
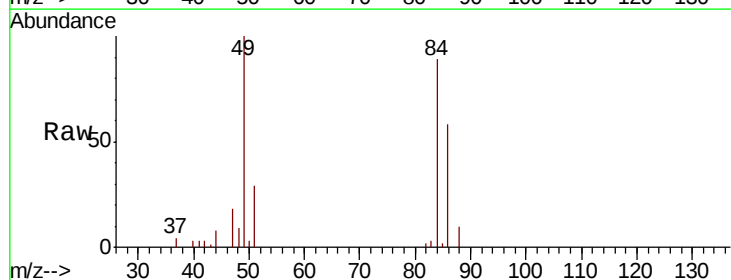
Instrument :
MSVOA_N
ClientSampled :

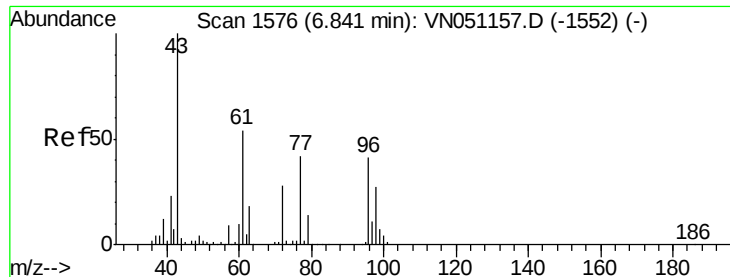
Tot Ion: 43 Resp: 13911
Ion Ratio Lower Upper
43 100
74 27.1 20.7 31.1



#20
Methylene Chloride
Concen: 5.74 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051237.D
Acq: 15 Sep 2018 21:14

Tgt Ion: 84 Resp: 28904
Ion Ratio Lower Upper
84 100
49 111.8 90.2 135.2
51 32.4 28.4 42.6
86 64.8 51.8 77.8

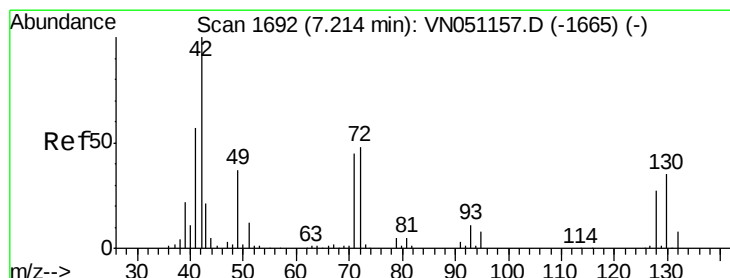
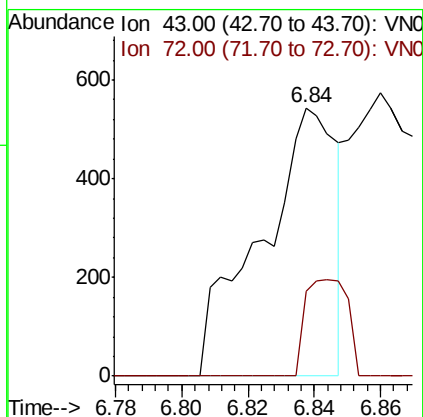
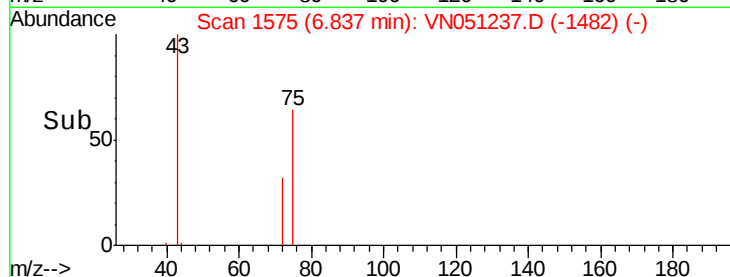
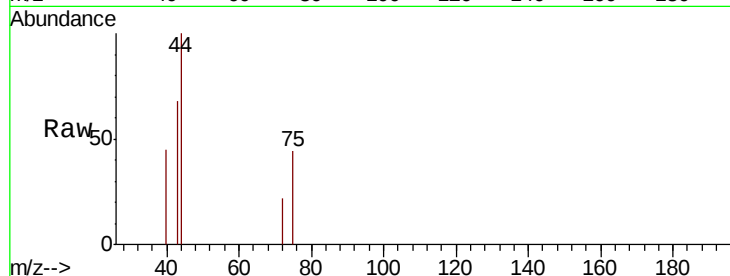




#25
2-Butanone
Concen: 0.48 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051237.D
Acq: 15 Sep 2018 21:14

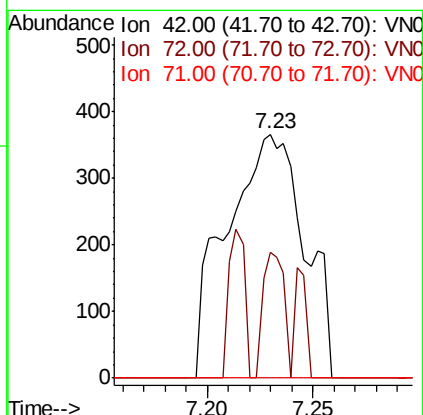
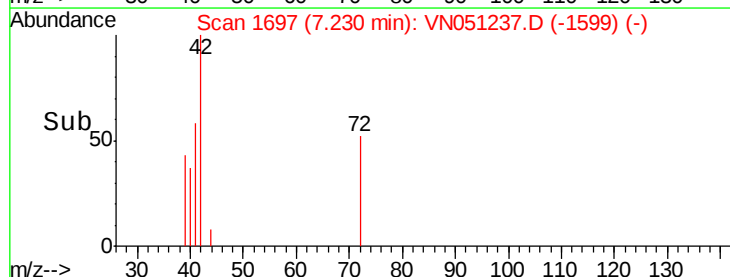
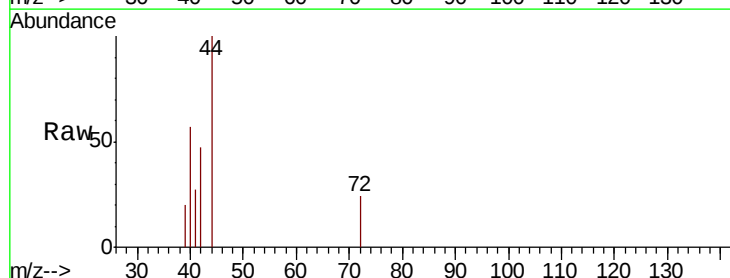
Instrument :
MSVOA_N
ClientSampled :

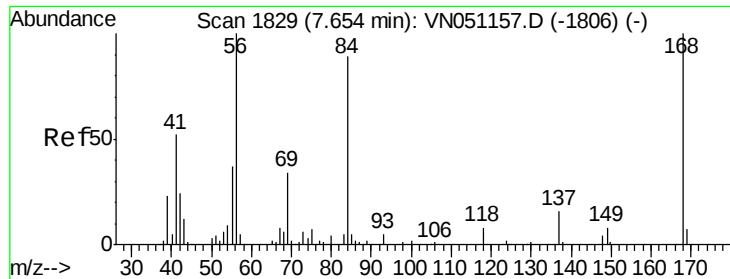
Tot Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
72 31.7 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.84 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.02 min
Lab File: VN051237.D
Acq: 15 Sep 2018 21:14

Tgt Ion: 42 Resp: 938
Ion Ratio Lower Upper
42 100
72 14.0 37.4 56.0#
71 0.0 34.7 52.1#

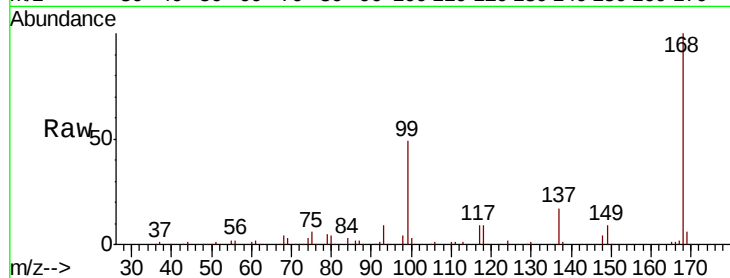




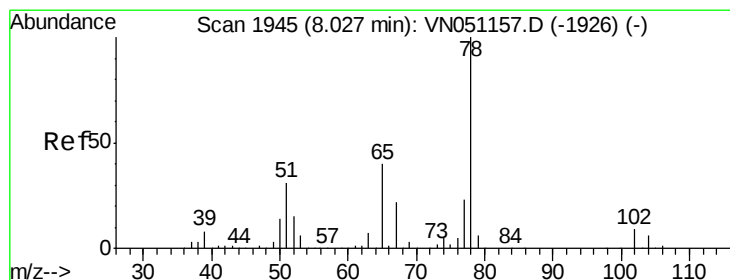
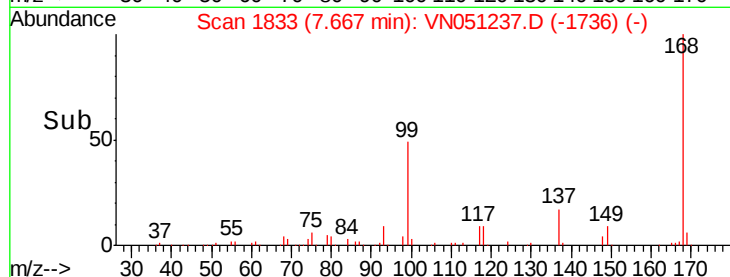
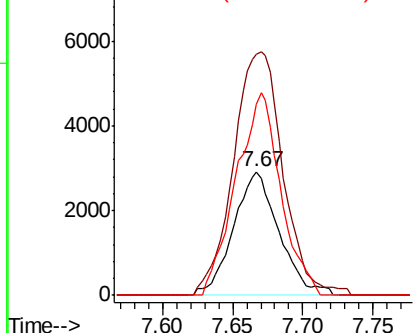
#31
Cyclohexane
Concen: 0.66 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051237.D
Acq: 15 Sep 2018 21:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6622
Ion Ratio Lower Upper
56 100
69 194.8 26.3 39.5#
84 154.9 69.4 104.0#

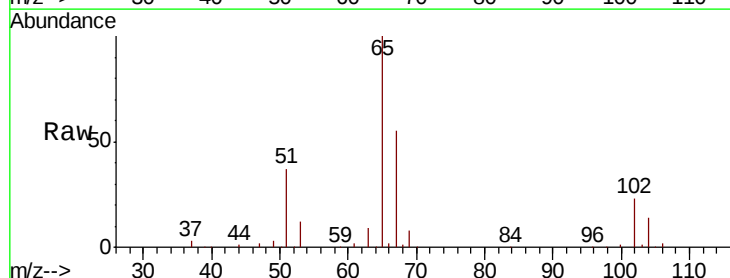


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

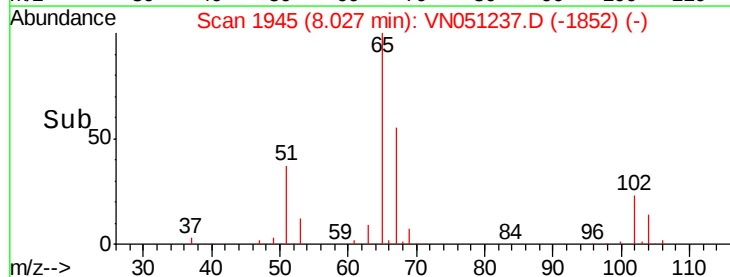
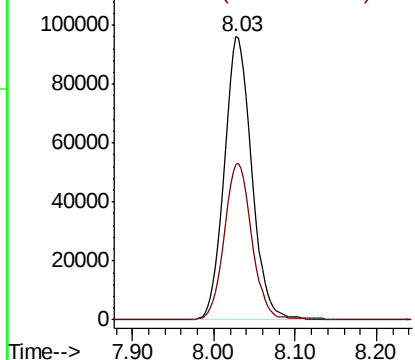


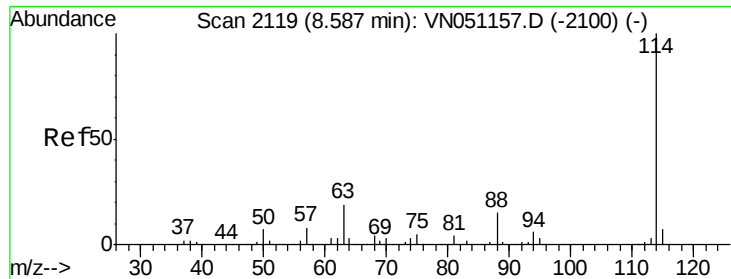
#33
1,2-Dichloroethane-d4
Concen: 50.25 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051237.D
Acq: 15 Sep 2018 21:14

Tgt Ion: 65 Resp: 229162
Ion Ratio Lower Upper
65 100
67 55.3 0.0 112.0



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

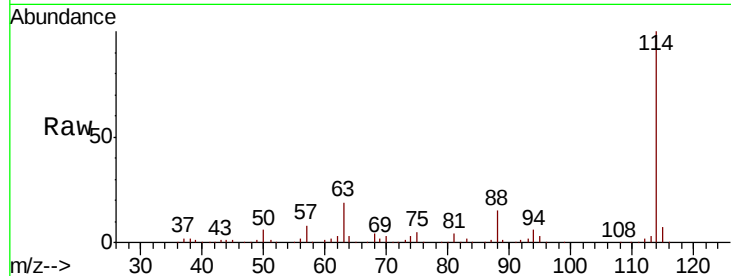




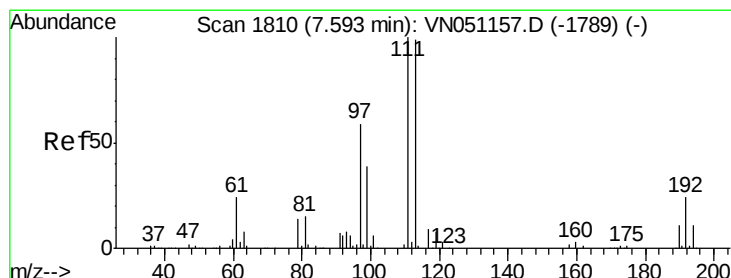
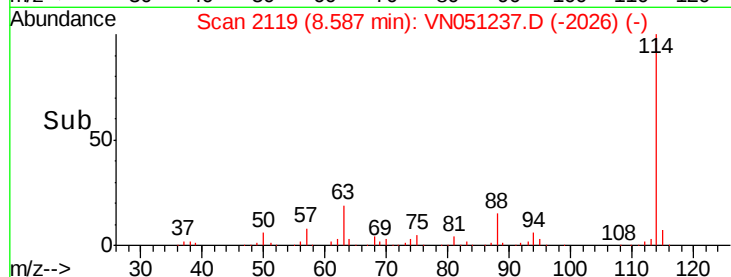
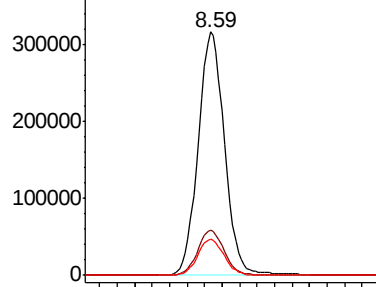
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051237.D
Acq: 15 Sep 2018 21:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 662984
Ion Ratio Lower Upper
114 100
63 18.5 0.0 37.8
88 14.8 0.0 30.8

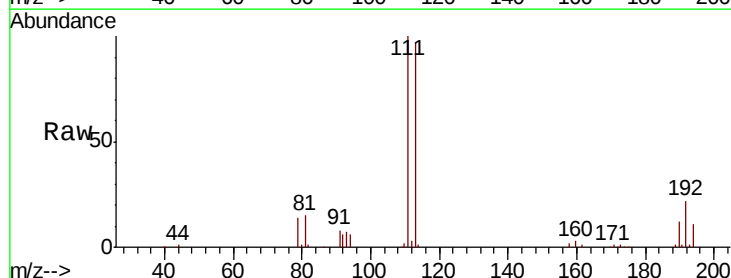


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

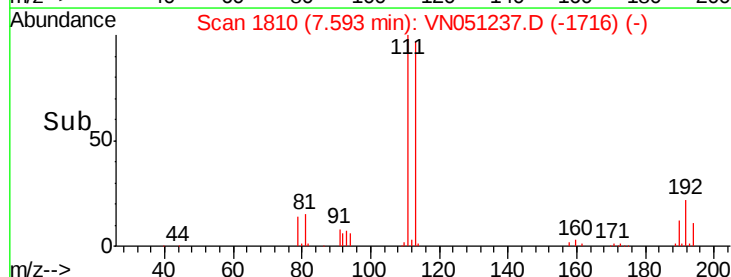
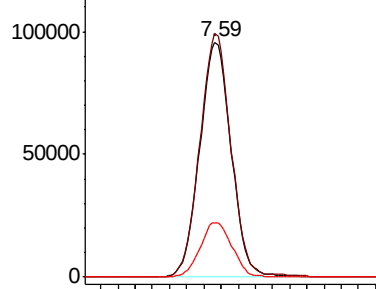


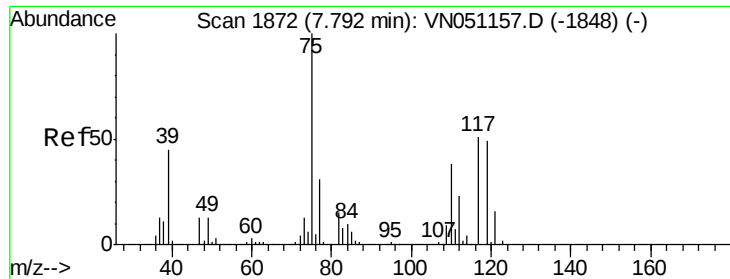
#35
Dibromofluoromethane
Concen: 48.99 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051237.D
Acq: 15 Sep 2018 21:14

Tgt Ion:113 Resp: 244063
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.6
192 23.4 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

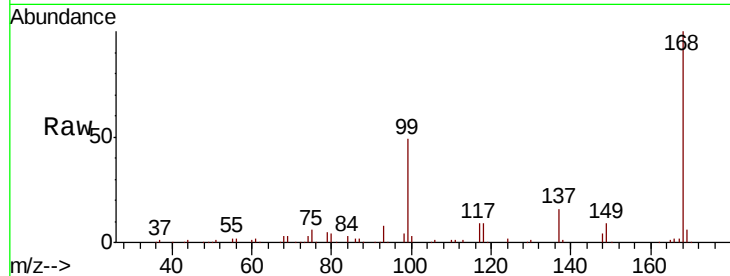




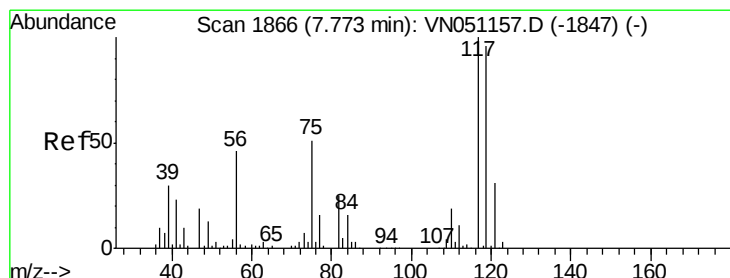
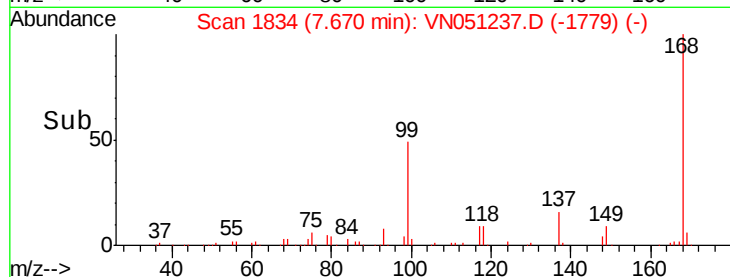
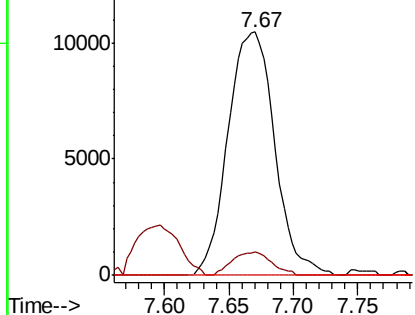
#36
 1,1-Dichloropropene
 Concen: 3.62 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051237.D
 Acq: 15 Sep 2018 21:14

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.6	55.8#
77	0.0	25.2	37.8#

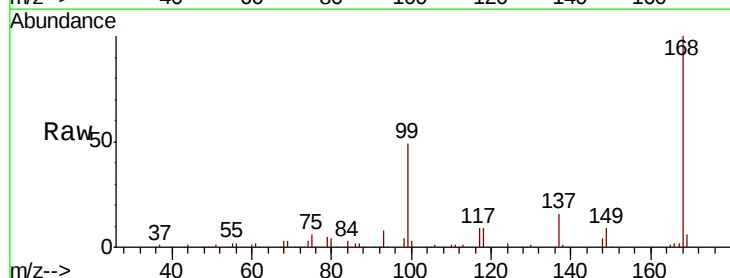


Abundance Ion 74.90 (74.60 to 75.60): VN051157.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN051157.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN051157.D (-1848) (-)

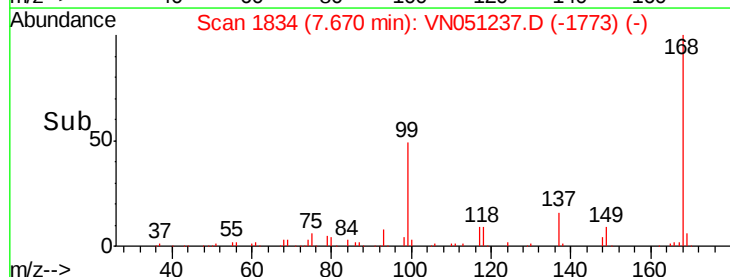
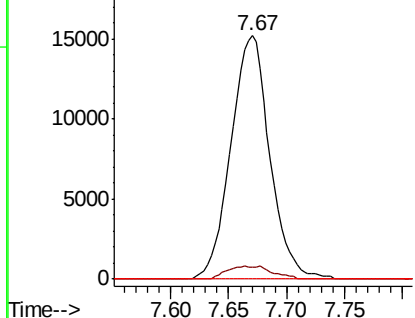


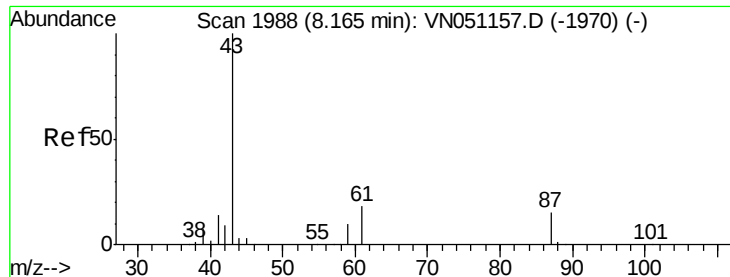
#38
 Carbon Tetrachloride
 Concen: 4.93 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.10 min
 Lab File: VN051237.D
 Acq: 15 Sep 2018 21:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.8	115.2#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VN051157.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN051157.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN051157.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 35.02 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

Instrument :

MSVOA_N

ClientSampled :

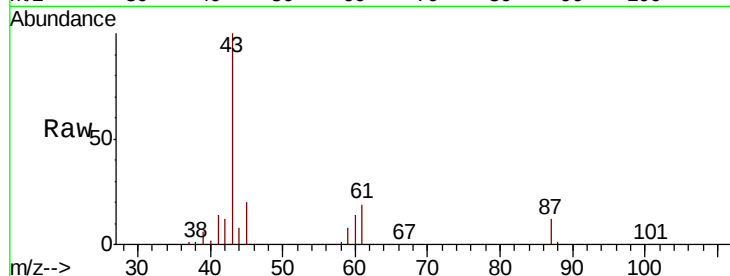
Tot Ion: 43 Resp: 260483

Ion Ratio Lower Upper

43 100

61 15.5 25.0 37.6#

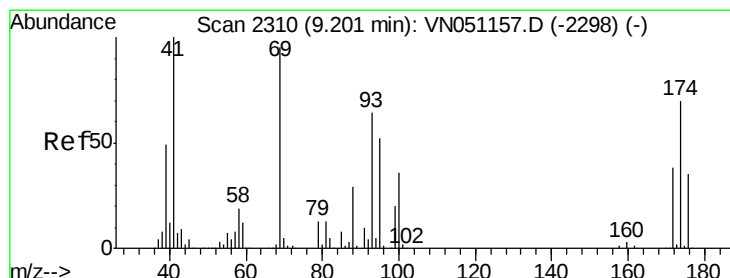
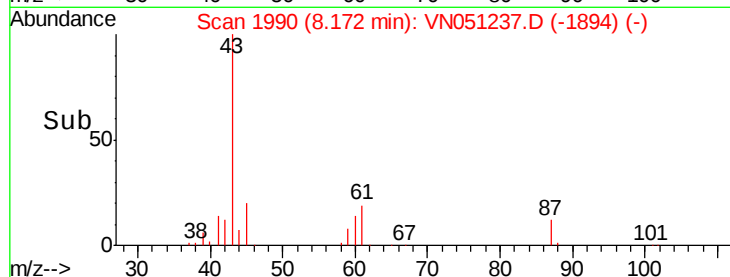
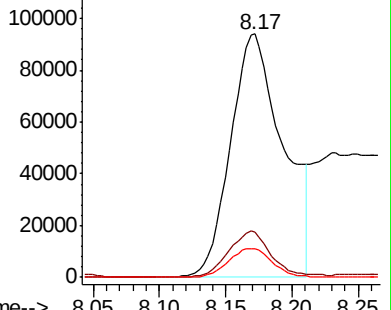
87 9.8 11.8 17.8#



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: 1.51 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

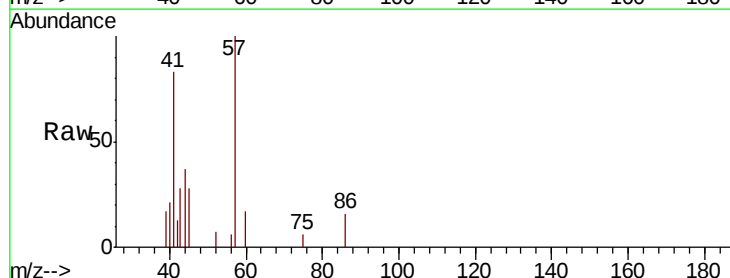
Tgt Ion: 41 Resp: 5467

Ion Ratio Lower Upper

41 100

69 0.0 77.7 116.5#

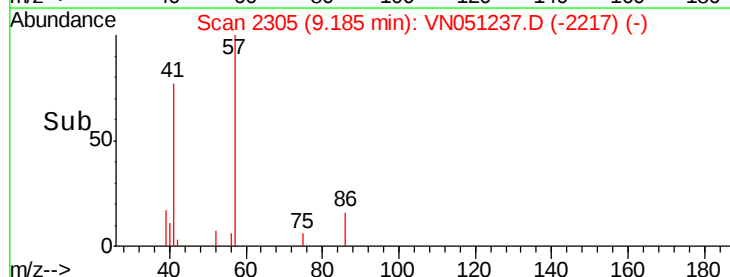
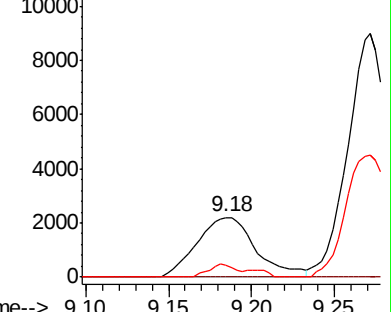
39 10.6 41.6 62.4#

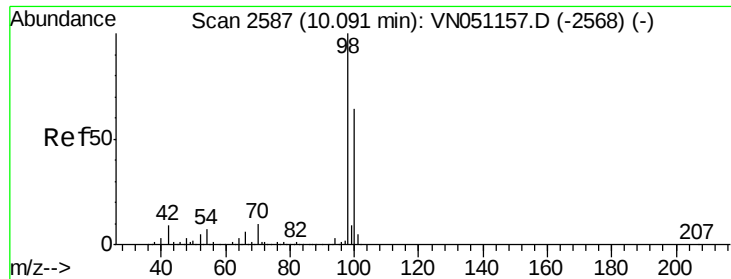


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 43.84 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

Instrument :

MSVOA_N

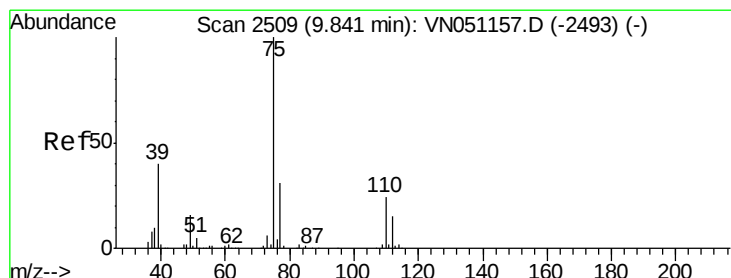
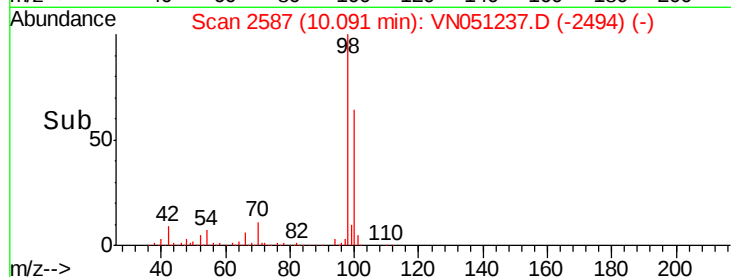
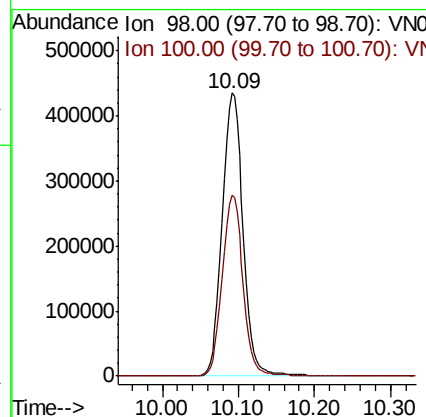
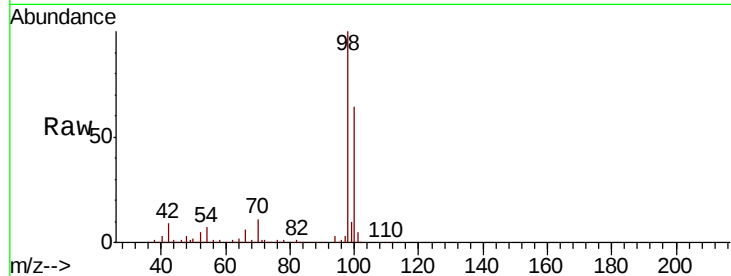
ClientSampleId :

Tot Ion: 98 Resp: 828681

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0



#54

cis-1,3-Dichloropropene

Concen: 0.20 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

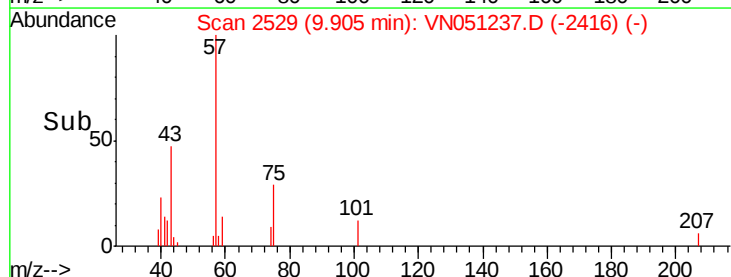
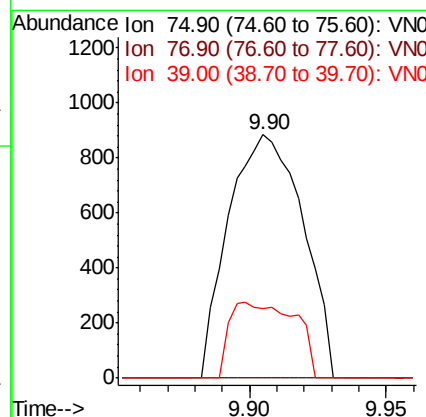
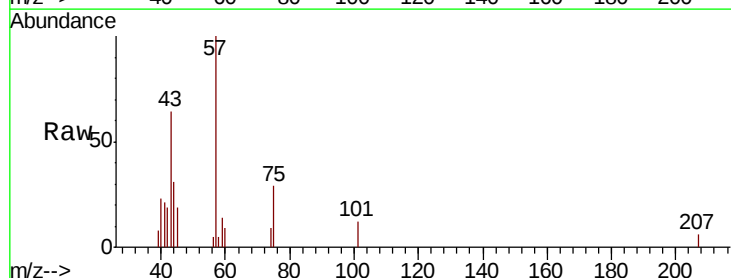
Tgt Ion: 75 Resp: 1672

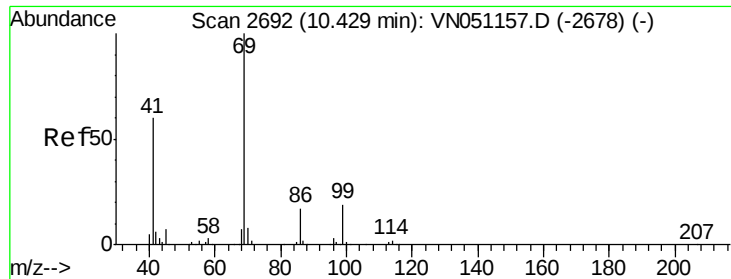
Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

39 28.5 31.9 47.9#

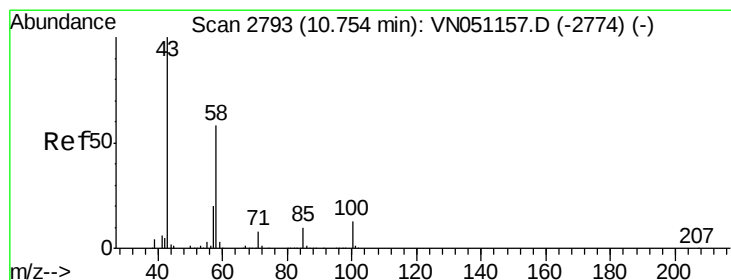
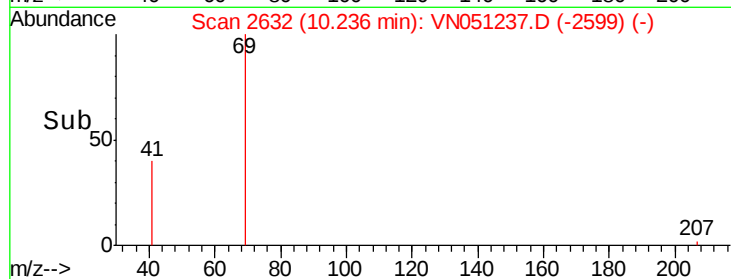
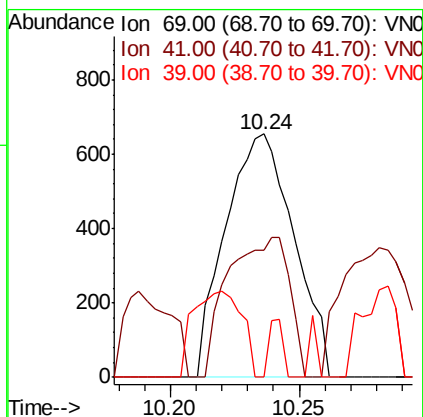
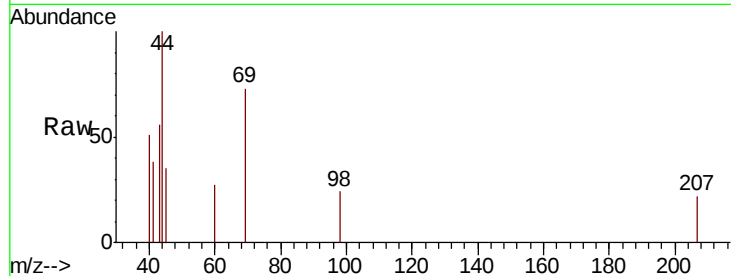




#56
Ethyl methacrylate
Concen: 2.63 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.19 min
Lab File: VN051237.D
Acq: 15 Sep 2018 21:14

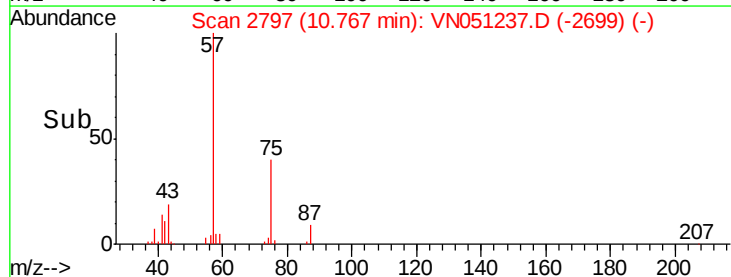
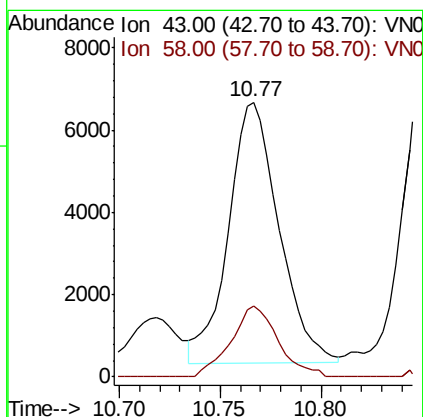
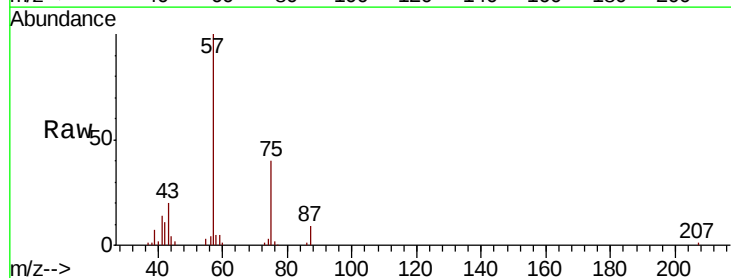
Instrument :
MSVOA_N
ClientSampled :

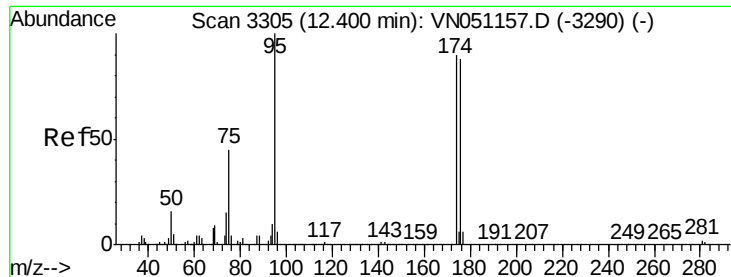
Tot Ion: 69 Resp: 1211
Ion Ratio Lower Upper
69 100
41 51.6 47.8 71.8
39 4.9 23.0 34.4#



#59
2-Hexanone
Concen: 4.00 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051237.D
Acq: 15 Sep 2018 21:14

Tgt Ion: 43 Resp: 11148
Ion Ratio Lower Upper
43 100
58 25.3 29.3 88.0#





#62

4-Bromofluorobenzene

Concen: 33.83 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

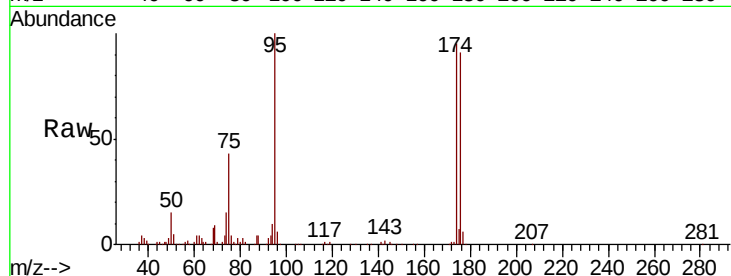
Tot Ion: 95 Resp: 211560

Ion Ratio Lower Upper

95 100

174 95.6 0.0 184.8

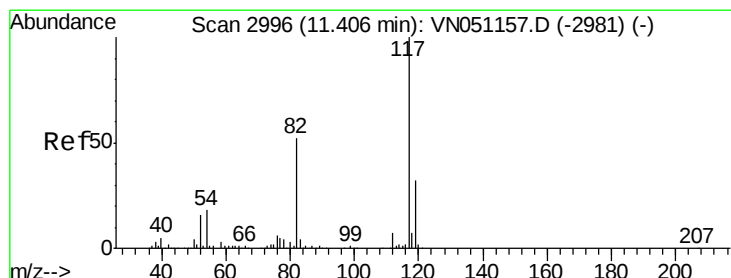
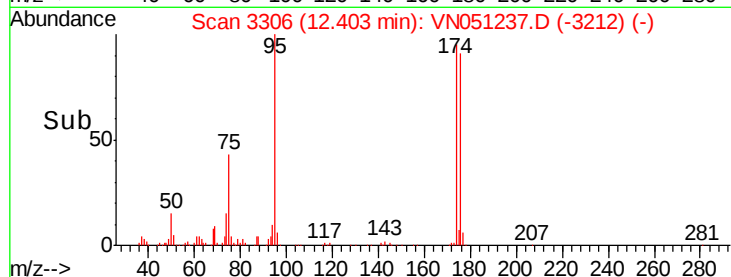
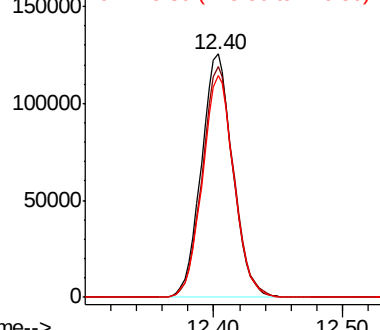
176 91.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN051157.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051157.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051157.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

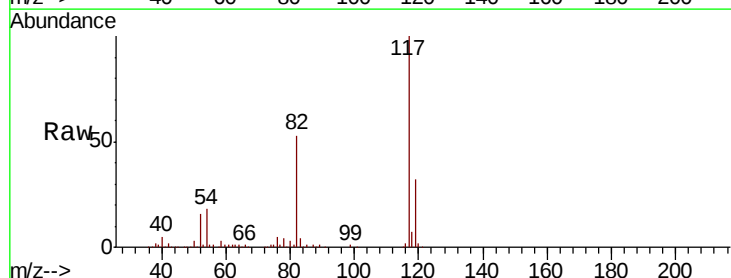
Tgt Ion: 117 Resp: 524783

Ion Ratio Lower Upper

117 100

82 53.4 41.8 62.6

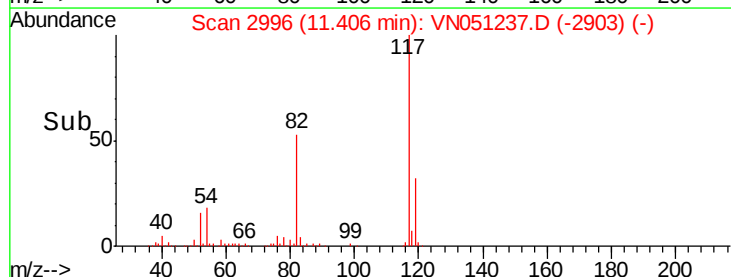
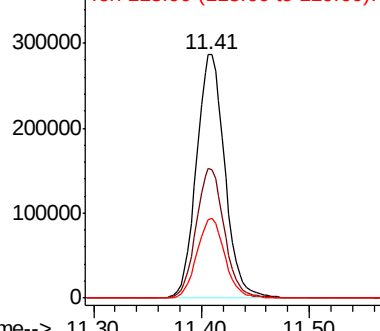
119 32.3 26.2 39.2

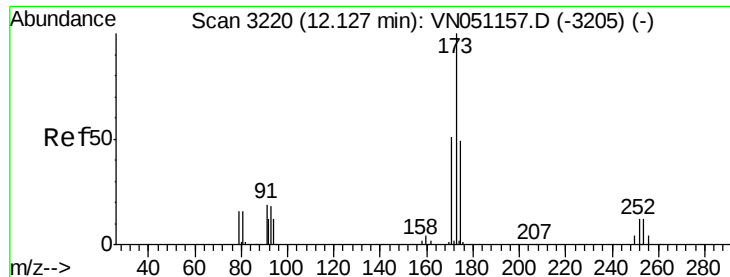


Abundance Ion 116.90 (116.60 to 117.60): VN051157.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051157.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051157.D (-2981) (-)





#71

Bromoform

Concen: 0.36 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

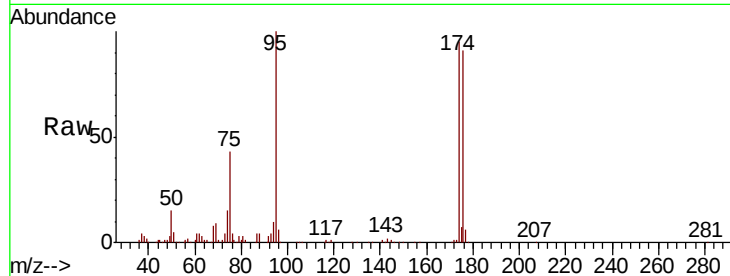
Tot Ion:173 Resp: 1219

Ion Ratio Lower Upper

173 100

175 996.2 24.3 72.9#

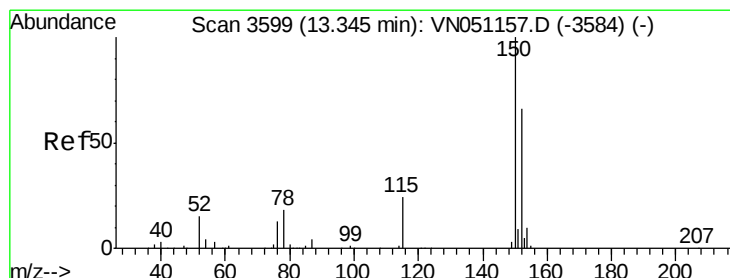
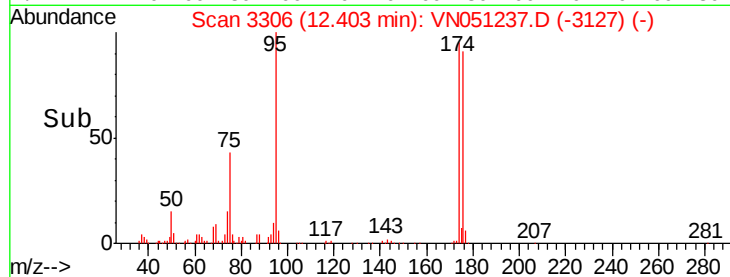
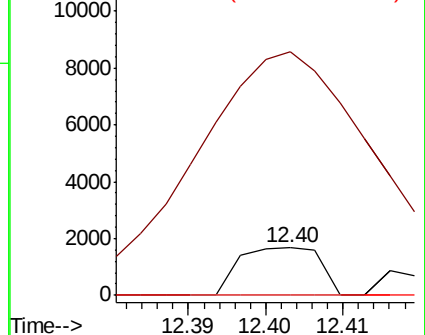
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

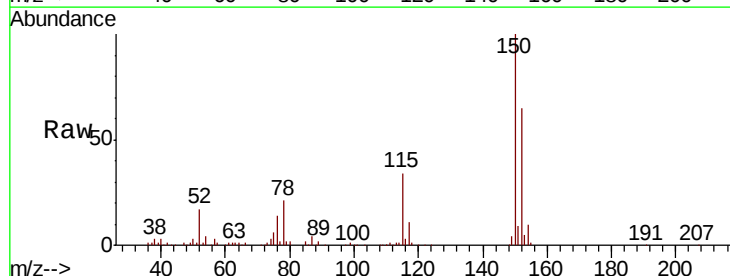
Tgt Ion:152 Resp: 154490

Ion Ratio Lower Upper

152 100

115 54.0 28.2 84.7

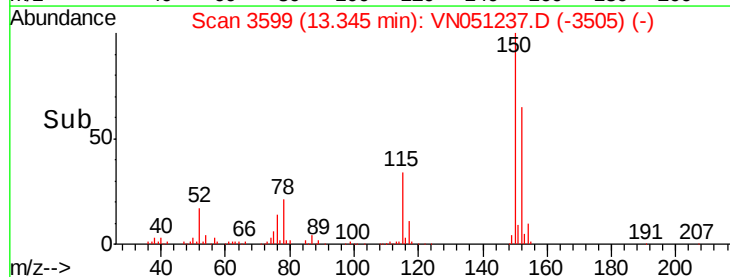
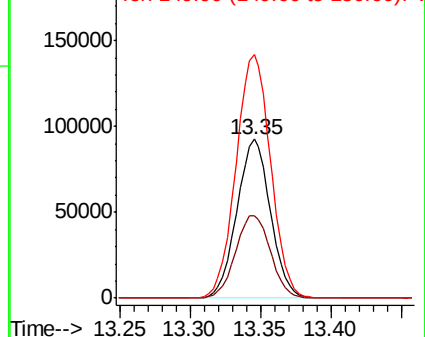
150 157.8 0.0 349.0

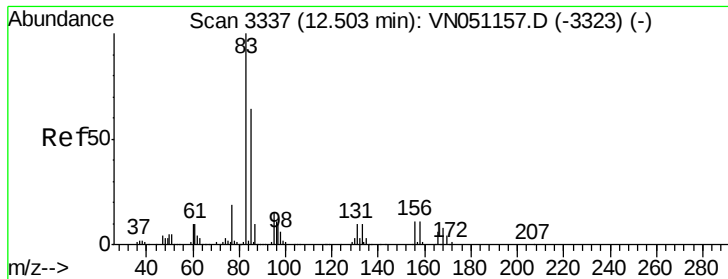


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN051237.D

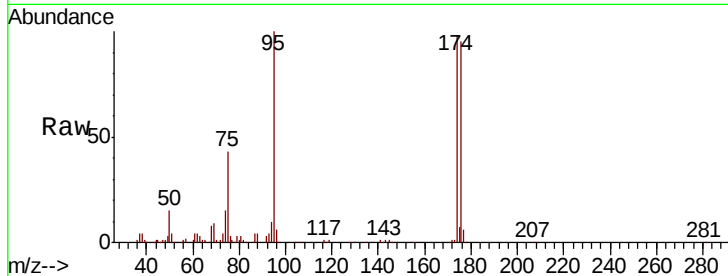
Acq: 15 Sep 2018 21:14

Instrument :

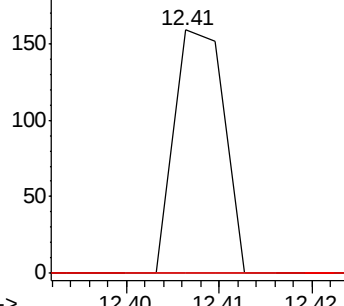
MSVOA_N

ClientSampleId :

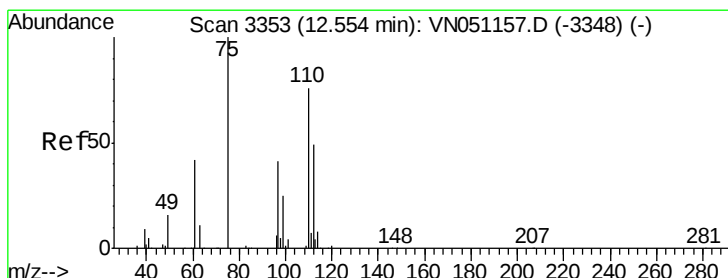
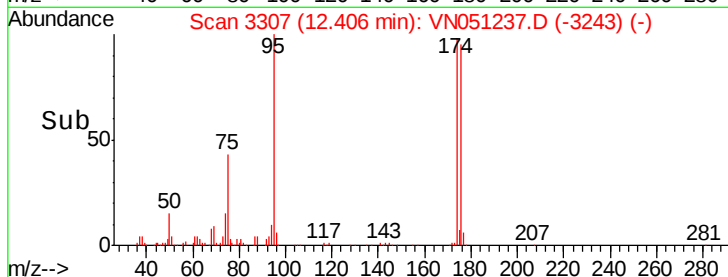
Tot Ion:	83	Resp:	60
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	0.0	32.3	96.8#



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



Time-->



#76

1,2,3-Trichloropropane

Concen: 39.07 ug/l

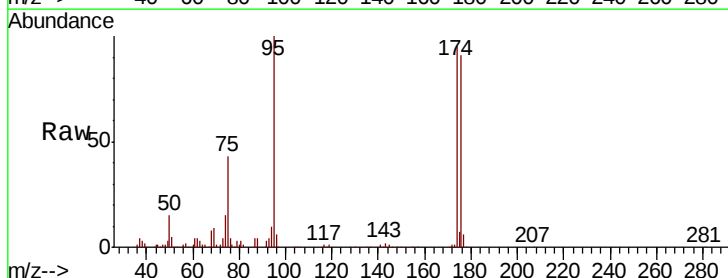
RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

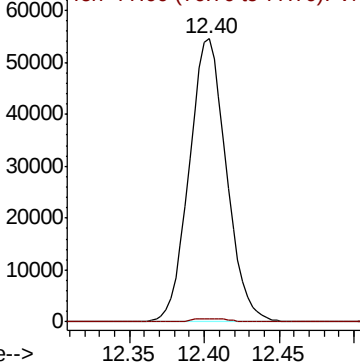
Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

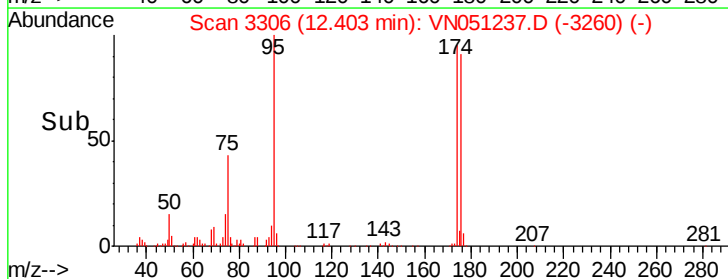
Tgt Ion:	75	Resp:	94346
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

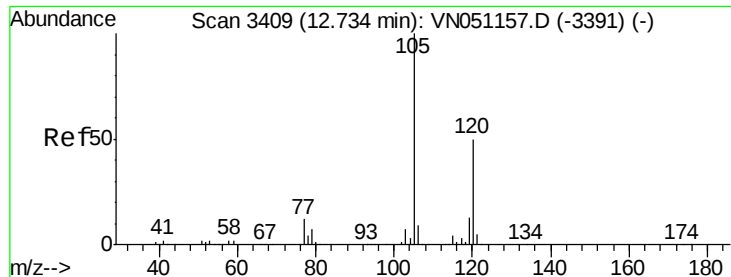


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO



Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.24 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

Instrument :

MSVOA_N

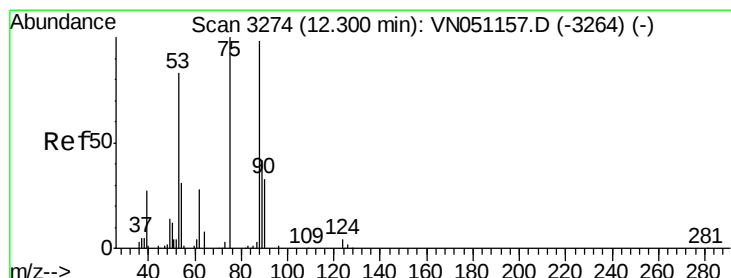
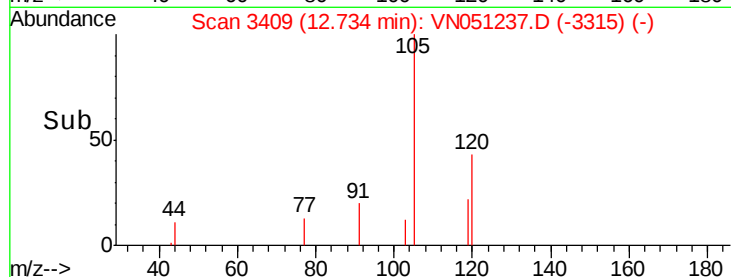
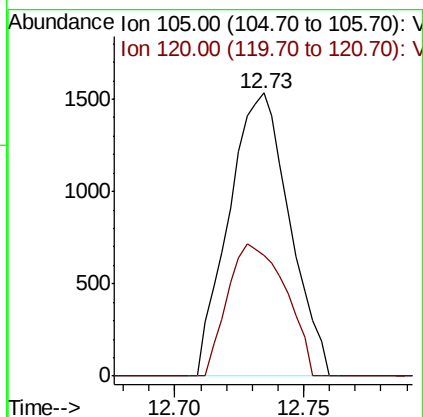
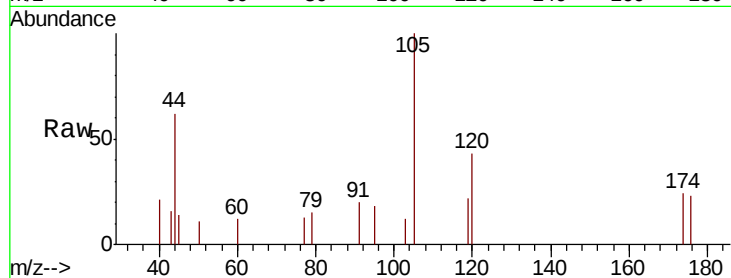
ClientSampleId :

Tot Ion:105 Resp: 2514

Ion Ratio Lower Upper

105 100

120 44.7 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 115.98 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

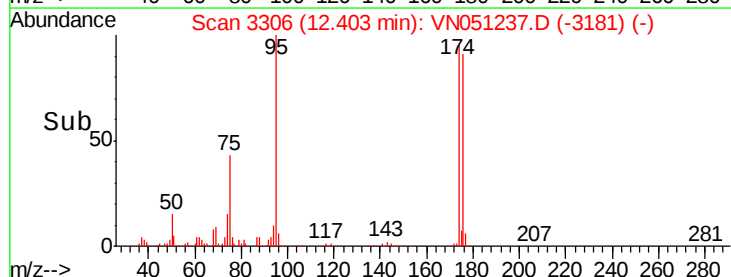
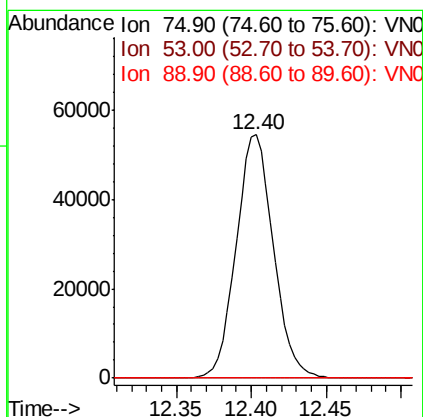
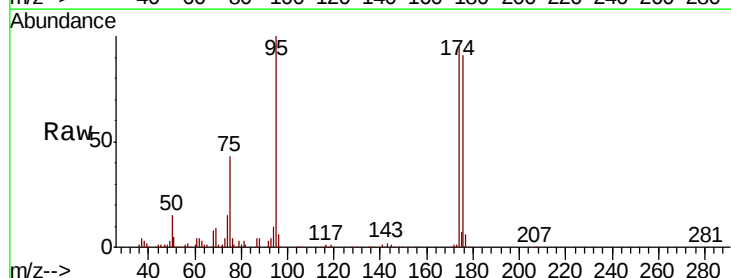
Tgt Ion: 75 Resp: 94346

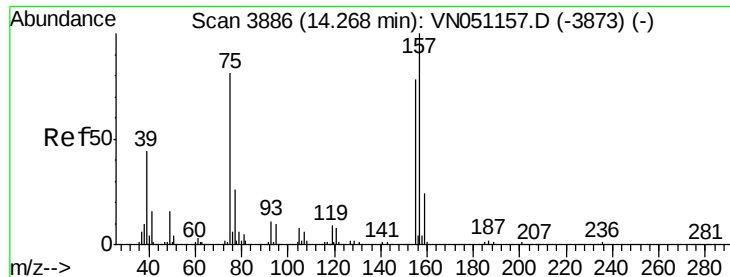
Ion Ratio Lower Upper

75 100

53 0.2 67.8 101.8#

89 0.0 36.0 54.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.81 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

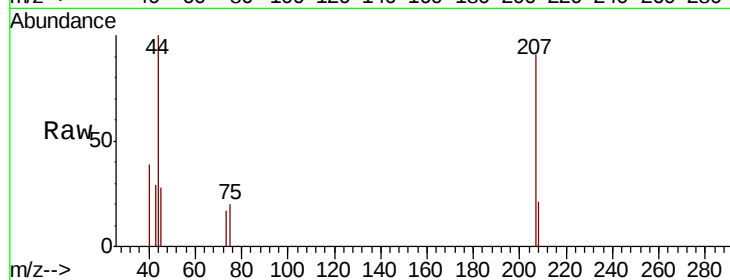
Tot Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

157 0.0 63.6 190.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

250

200

150

100

50

0

14.25

14.26

14.27

Time-->

