

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051320.D
 Acq On : 19 Sep 2018 15:39
 Operator : MD\SY
 Sample : J4937-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:43:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	550889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	824224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	688743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	210815	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	311742	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
35) Dibromofluoromethane	7.59	113	316770	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
50) Toluene-d8	10.09	98	1116348	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
62) 4-Bromofluorobenzene	12.40	95	290534	38.58	ug/l	0.00
Spiked Amount			Recovery	=	77.16%	

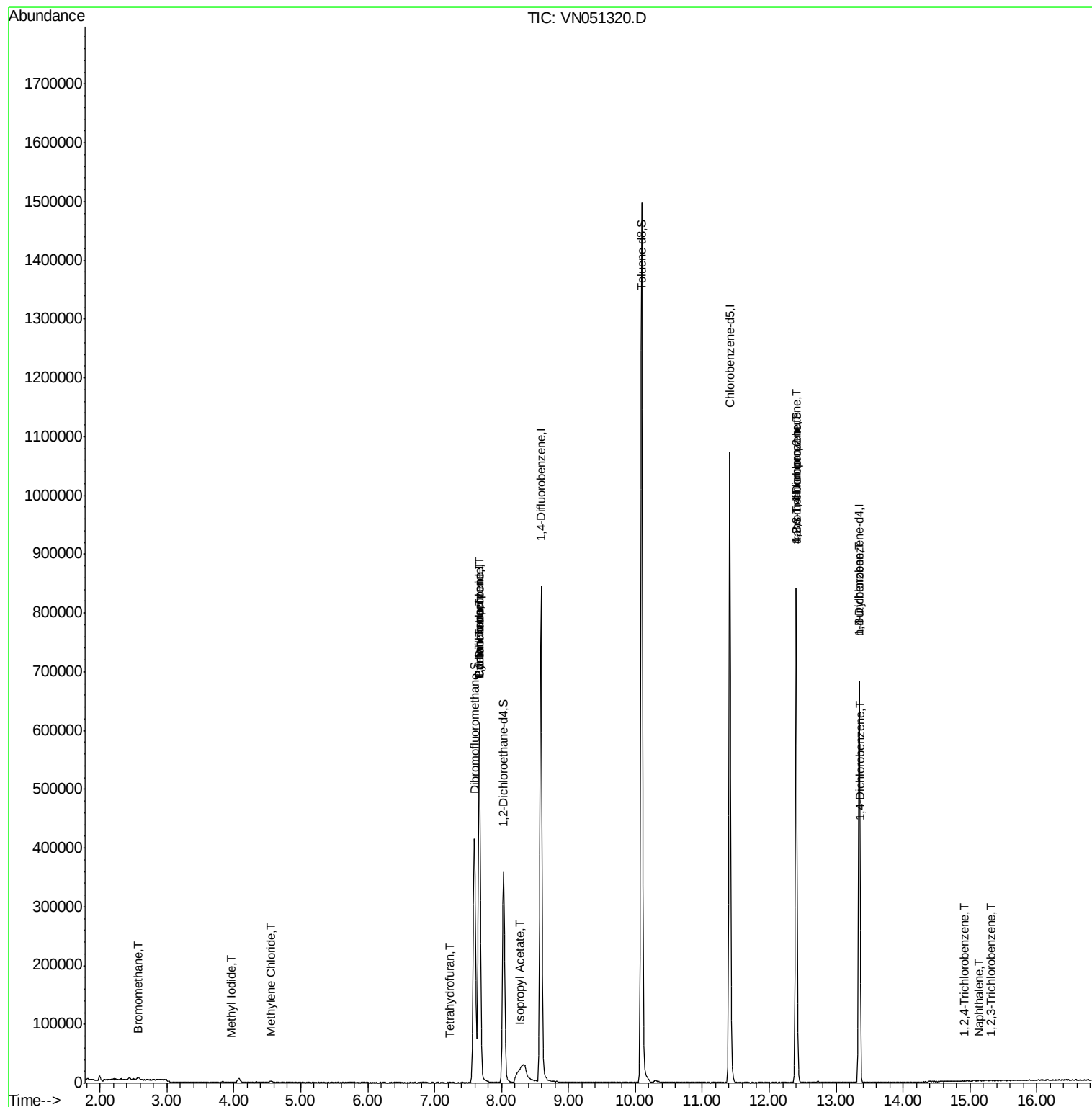
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1806	Below Cal		100
5) Bromomethane	2.57	94	1943	0.98 ug/l	#	71
10) Methyl Iodide	3.95	142	242	6.14 ug/l	#	43
16) Acetone	3.82	43	2571	Below Cal	#	84
17) Carbon Disulfide	4.05	76	1309	Below Cal	#	75
18) Methyl Acetate	4.33	43	1789	Below Cal	#	70
20) Methylene Chloride	4.55	84	2356	0.36 ug/l	#	83
29) Tetrahydrofuran	7.22	42	270	0.23 ug/l	#	31
31) Cyclohexane	7.67	56	8398	0.80 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	33489	3.75 ug/l	#	49
38) Carbon Tetrachloride	7.67	117	45563	4.90 ug/l	#	16
43) Isopropyl Acetate	8.26	43	24039	3.03 ug/l	#	58
75) 1,1,2,2-Tetrachloroethane	12.40	83	34	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	132794	45.85 ug/l	#	100
77) Bromobenzene	12.52	156	30	Below Cal	#	1
81) trans-1,4-Dichloro-2-buten	12.40	75	132794	139.90 ug/l	#	15
88) 1,4-Dichlorobenzene	13.37	146	338	0.46 ug/l	#	1
89) n-Butylbenzene	13.34	91	360	2.05 ug/l	#	34
91) 1,2-Dichlorobenzene	13.37	146	338	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.91	180	77	5.05 ug/l	#	79
95) Naphthalene	15.14	128	347	5.97 ug/l	#	69
96) 1,2,3-Trichlorobenzene	15.32	180	30	3.87 ug/l	#	1

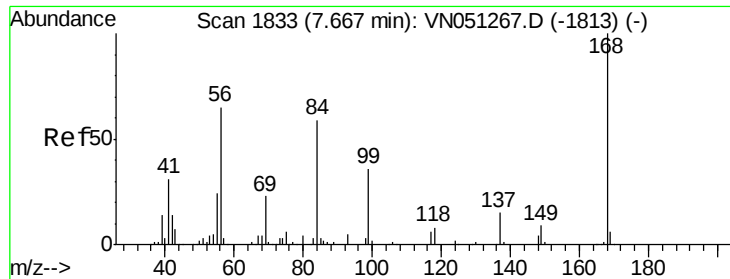
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091918\
Data File : VN051320.D
Acq On : 19 Sep 2018 15:39
Operator : MD\SY
Sample : J4937-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 20 01:43:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 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: VN051320.D

Acq: 19 Sep 2018 15:39

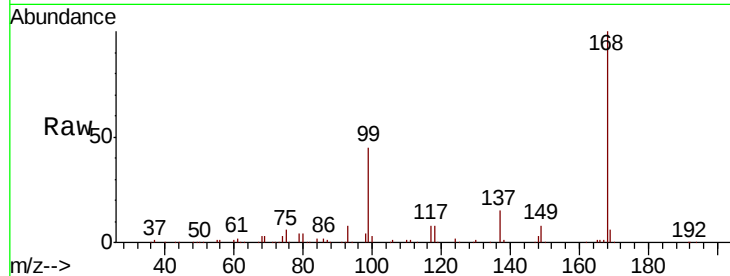
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 550889

Ion Ratio Lower Upper

168 100

99 45.4 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

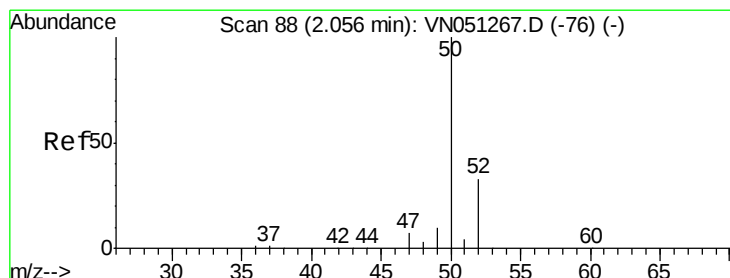
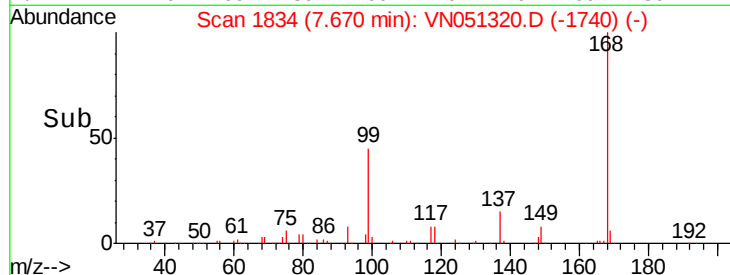
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051320.D

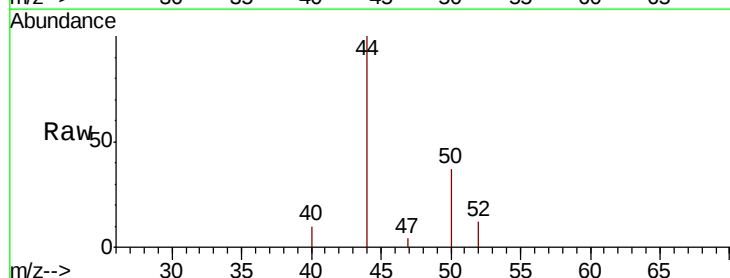
Acq: 19 Sep 2018 15:39

Tgt Ion: 50 Resp: 1806

Ion Ratio Lower Upper

50 100

52 33.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

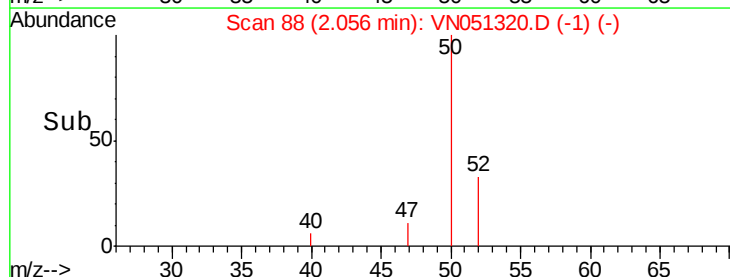
1500

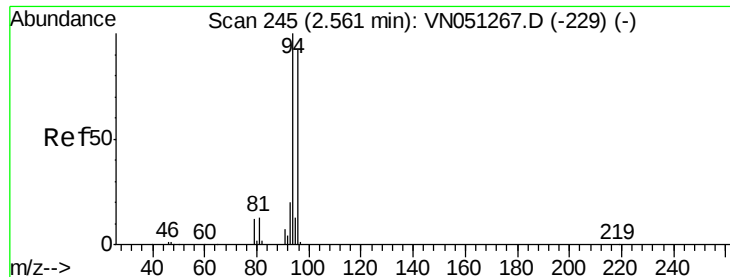
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.98 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051320.D

Acq: 19 Sep 2018 15:39

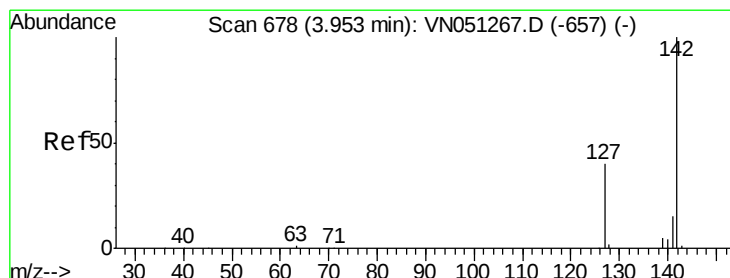
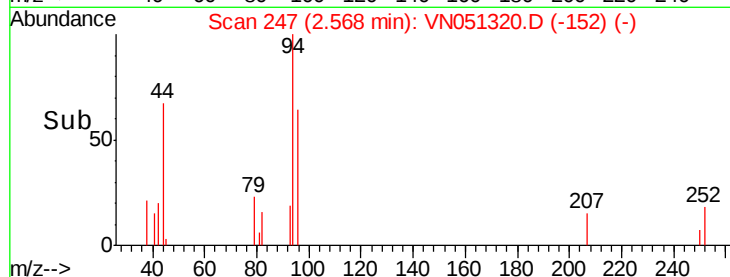
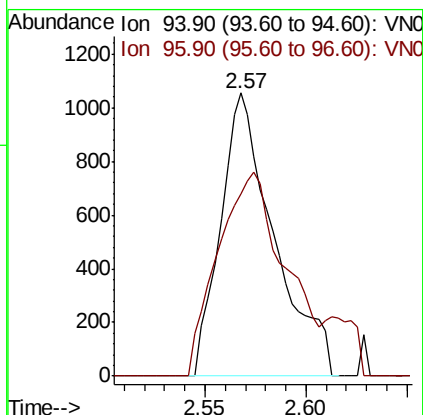
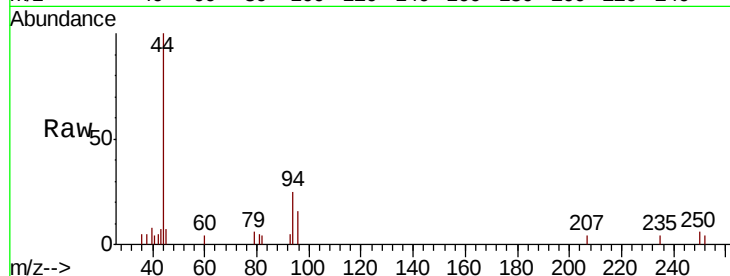
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 1943

Ion Ratio Lower Upper

94 100

96 64.3 73.8 110.8#



#10

Methyl Iodide

Concen: 6.14 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051320.D

Acq: 19 Sep 2018 15:39

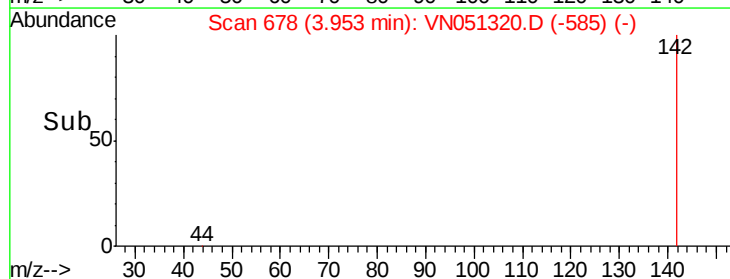
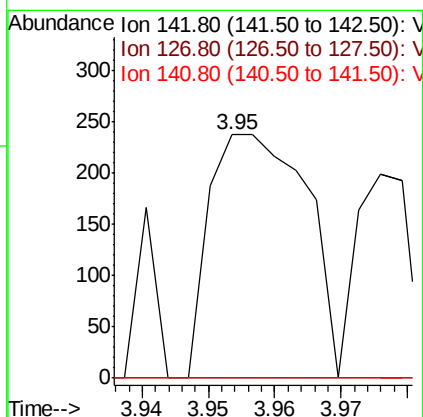
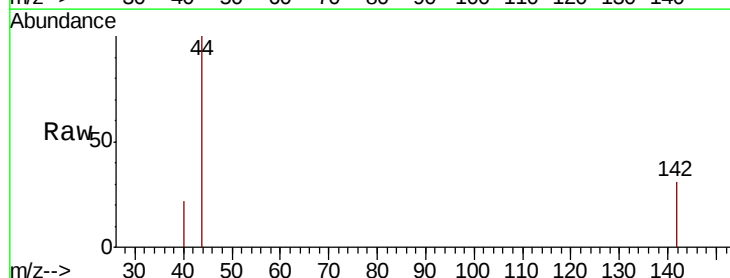
Tgt Ion: 142 Resp: 242

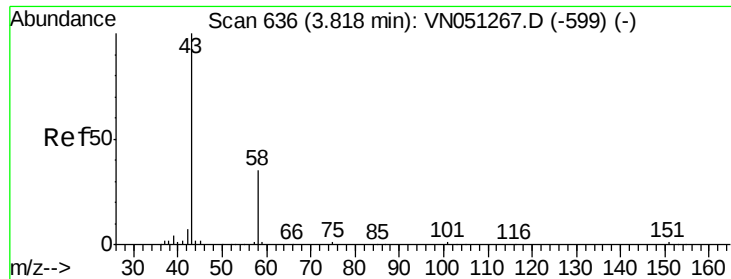
Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

141 0.0 11.6 17.4#

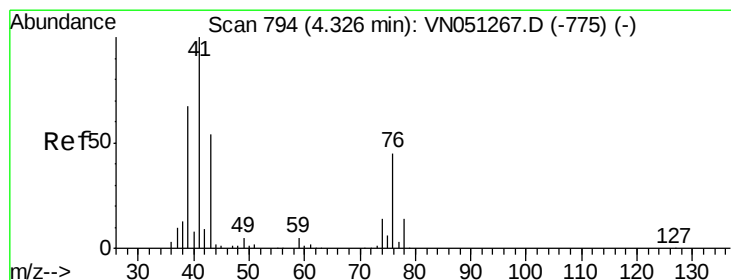
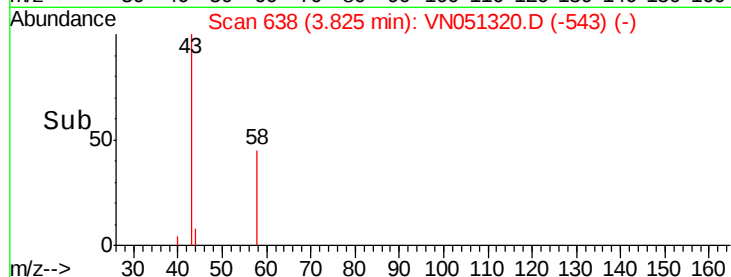
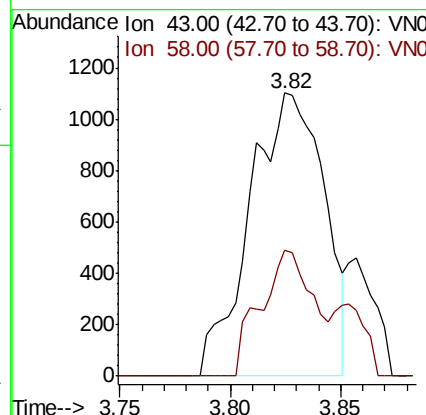
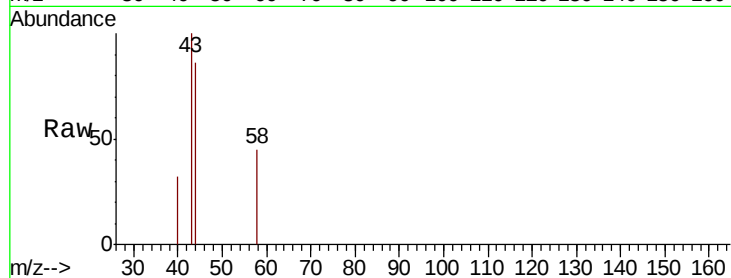




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051320.D
Acq: 19 Sep 2018 15:39

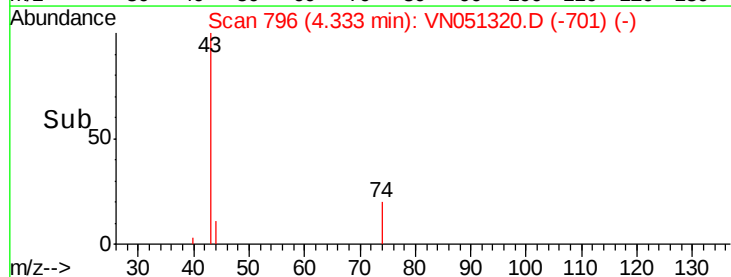
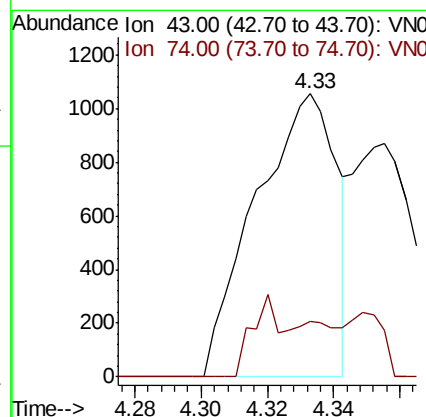
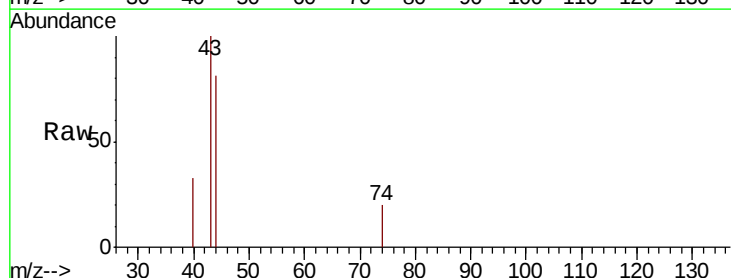
Instrument :
MSVOA_N
ClientSampled :

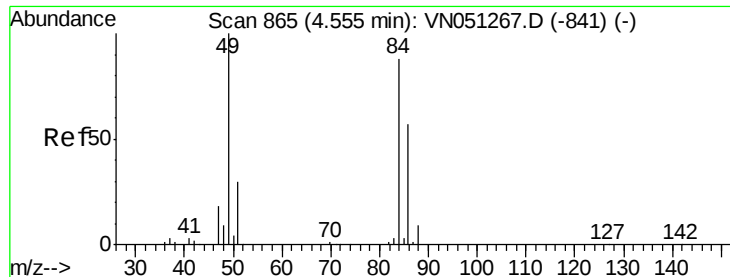
Tot Ion: 43 Resp: 2571
Ion Ratio Lower Upper
43 100
58 44.6 28.2 42.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051320.D
Acq: 19 Sep 2018 15:39

Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
74 10.8 20.8 31.2#

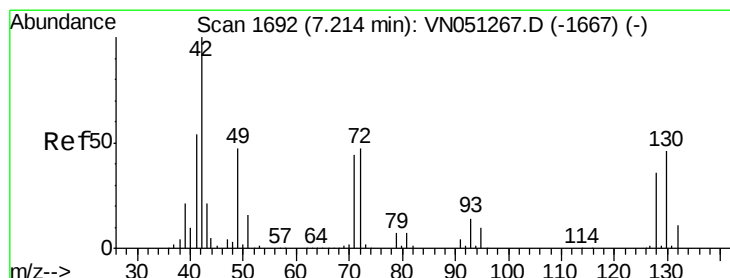
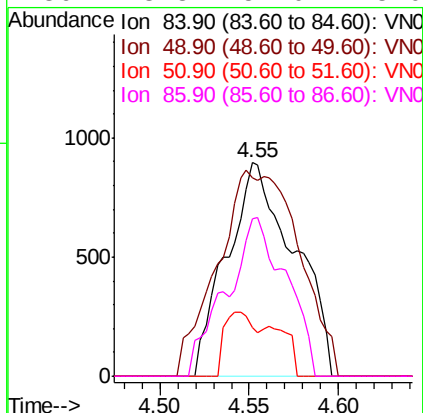
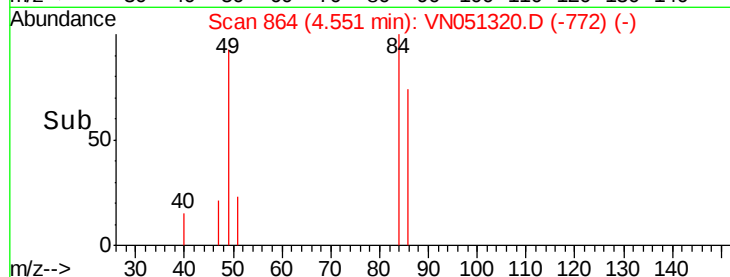
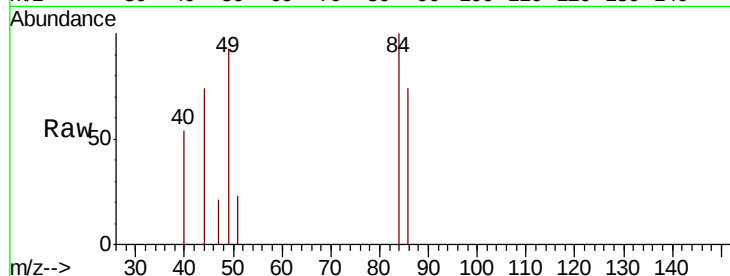




#20
Methvlene Chloride
Concen: 0.36 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051320.D
Acq: 19 Sep 2018 15:39

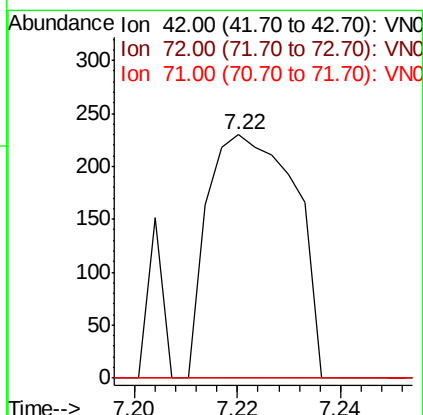
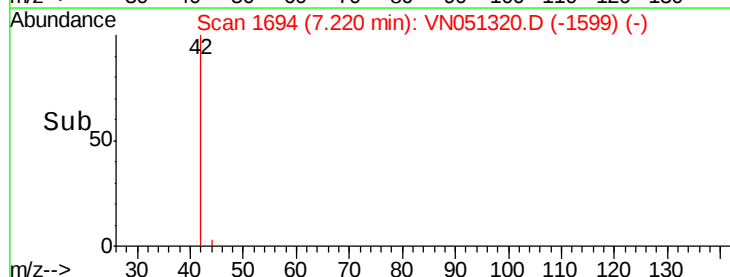
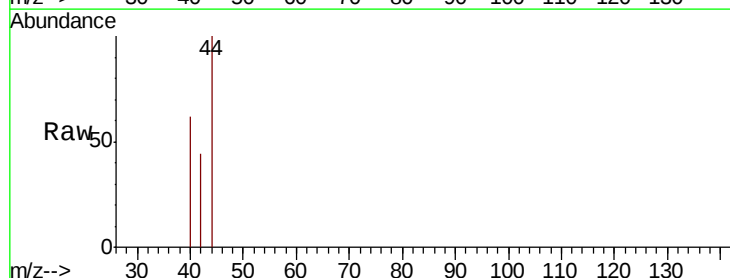
Instrument :
MSVOA_N
ClientSampled :

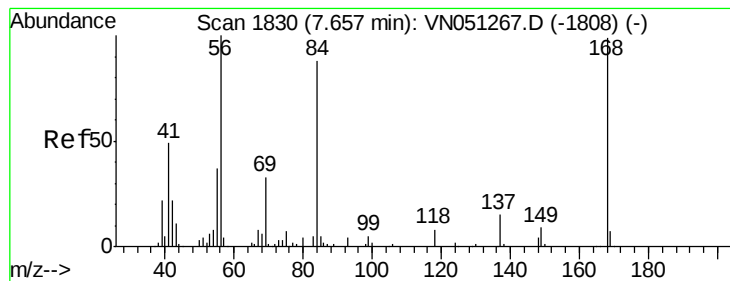
Tot Ion: 84 Resp: 2356
Ion Ratio Lower Upper
84 100
49 92.6 91.2 136.8
51 23.0 27.7 41.5#
86 73.8 52.0 78.0



#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051320.D
Acq: 19 Sep 2018 15:39

Tgt Ion: 42 Resp: 270
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 0.0 35.4 53.2#





#31

Cyclohexane

Concen: 0.80 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051320.D

Acq: 19 Sep 2018 15:39

Instrument :

MSVOA_N

ClientSampled :

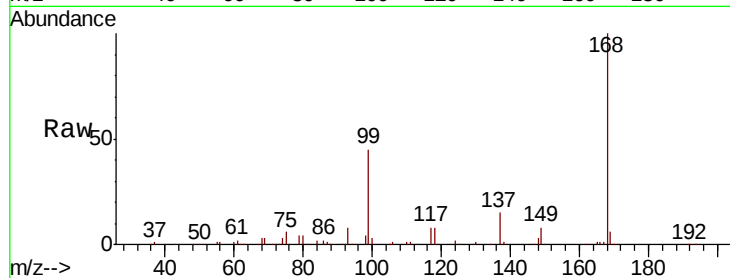
Tot Ion: 56 Resp: 8398

Ion Ratio Lower Upper

56 100

69 205.9 26.2 39.2#

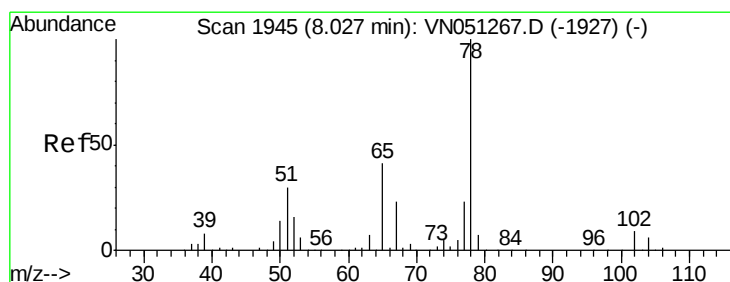
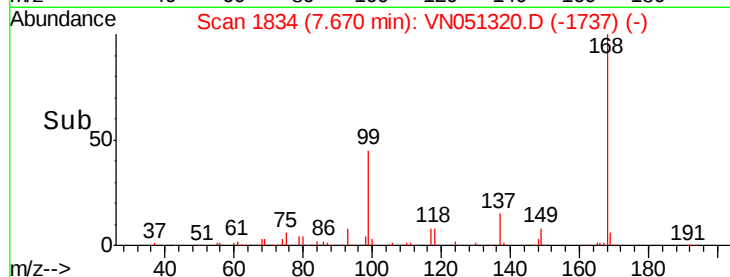
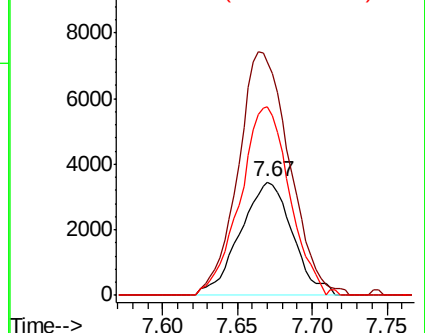
84 166.5 70.6 106.0#



Abundance Ion 56.00 (55.70 to 56.70): VN051320.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN051320.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN051320.D (-1737) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.07 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051320.D

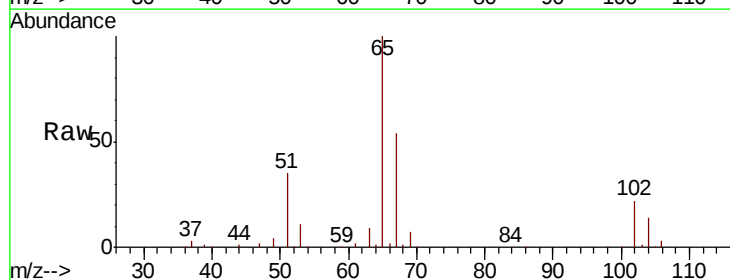
Acq: 19 Sep 2018 15:39

Tgt Ion: 65 Resp: 311742

Ion Ratio Lower Upper

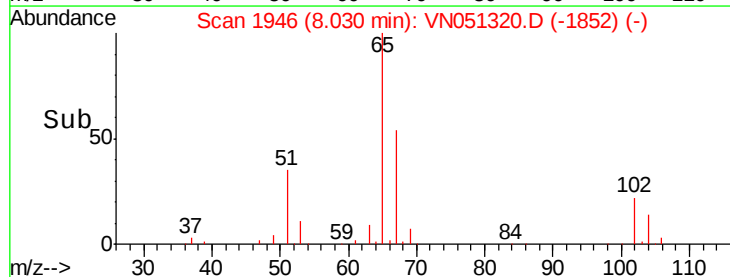
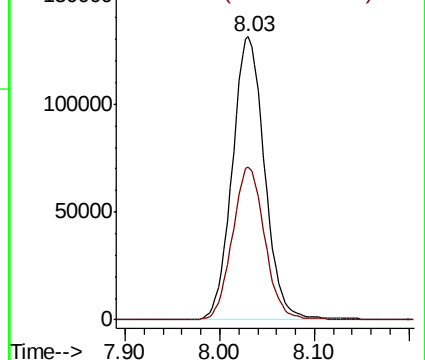
65 100

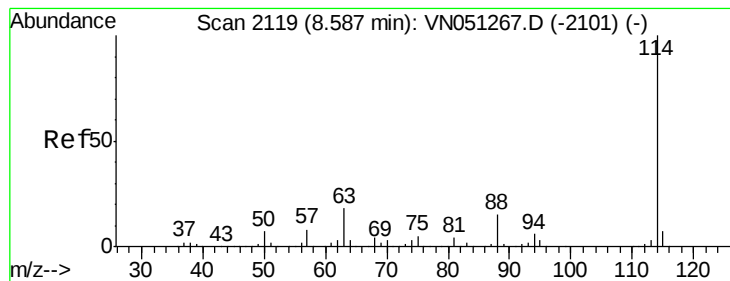
67 54.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN051320.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN051320.D (-1852) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN051320.D

Acq: 19 Sep 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

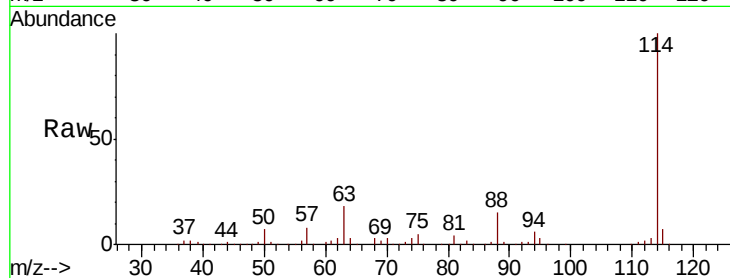
Tot Ion:114 Resp: 824224

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

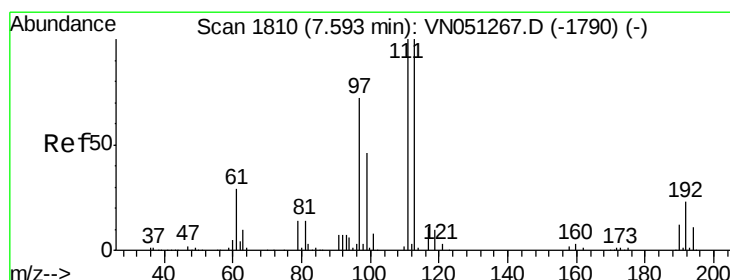
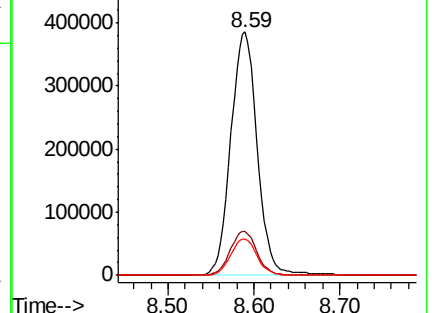
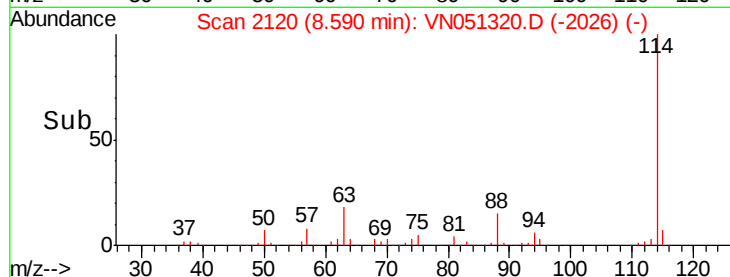
88 15.1 0.0 30.8



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: 49.46 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051320.D

Acq: 19 Sep 2018 15:39

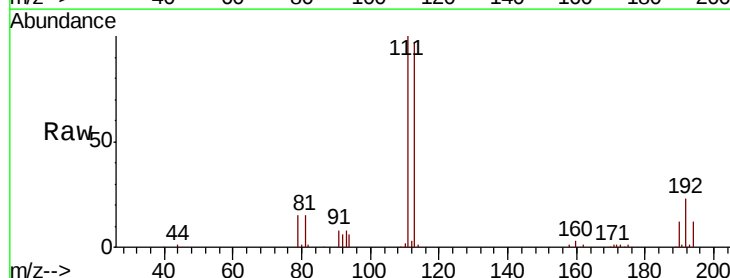
Tgt Ion:113 Resp: 316770

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

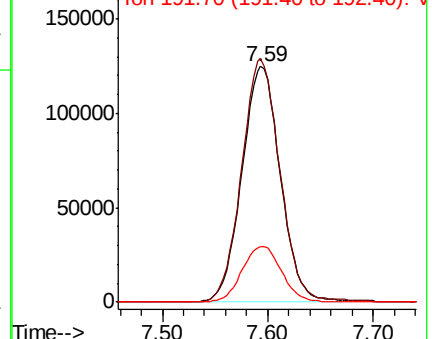
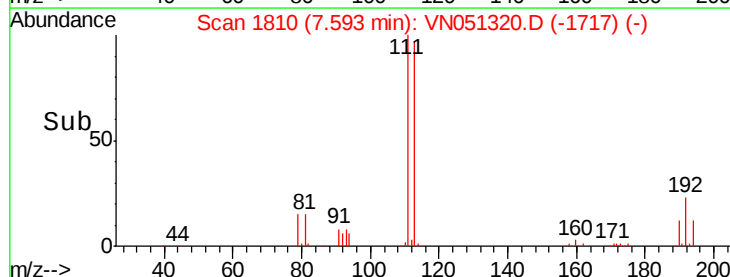
192 24.2 19.0 28.6

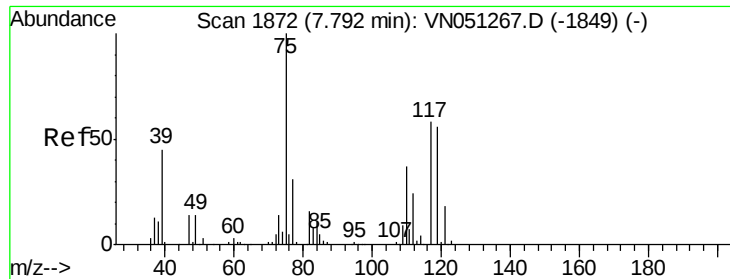


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

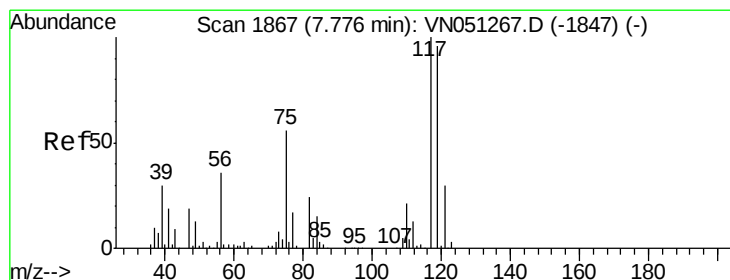
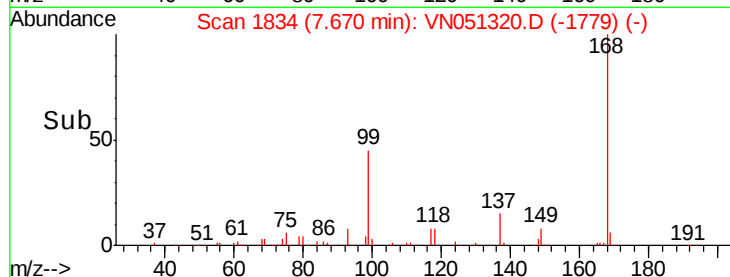
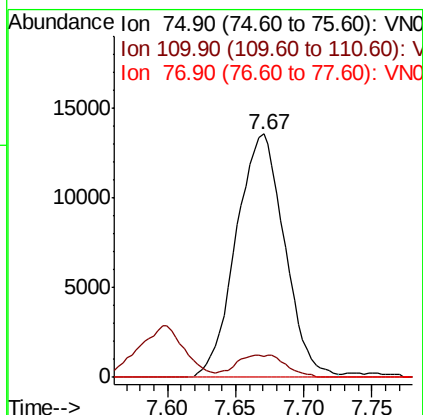
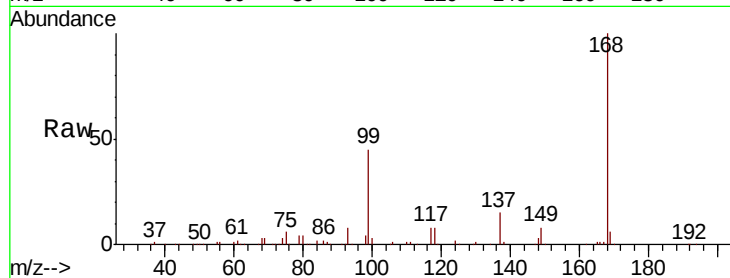




#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051320.D
 Acq: 19 Sep 2018 15:39

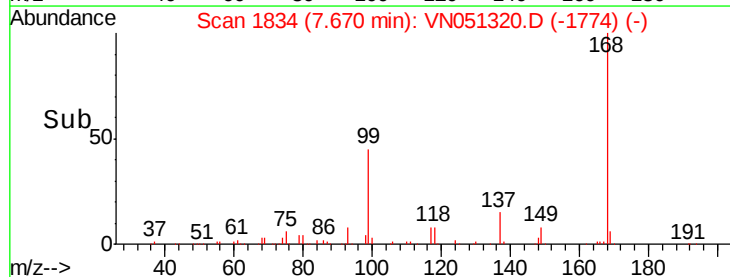
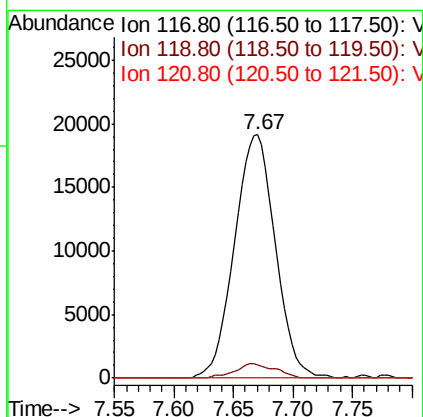
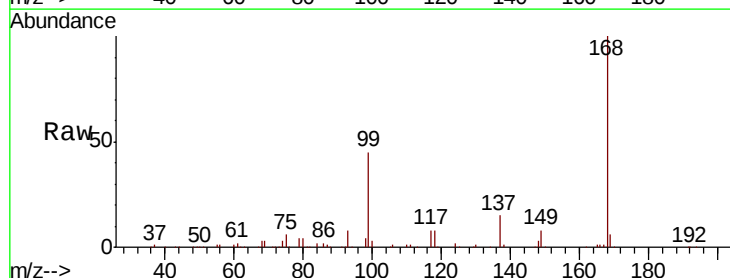
Instrument :
 MSVOA_N
 ClientSampleId :

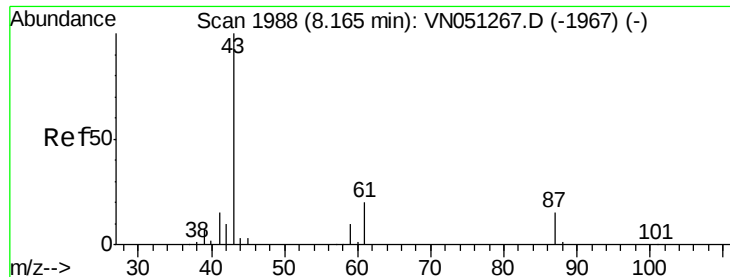
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.6	56.0#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 4.90 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.11 min
 Lab File: VN051320.D
 Acq: 19 Sep 2018 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.8	115.2#
121	0.0	24.2	36.2#





#43

Isopropyl Acetate

Concen: 3.03 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.10 min

Lab File: VN051320.D

Acq: 19 Sep 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

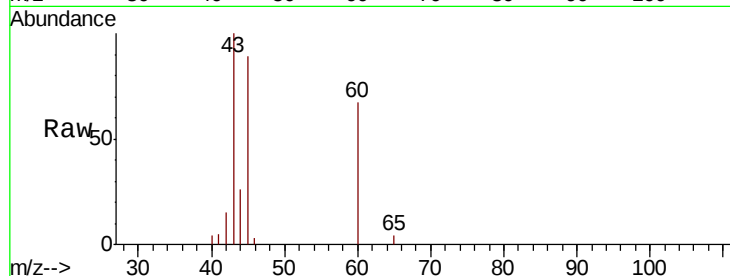
Tot Ion: 43 Resp: 24039

Ion Ratio Lower Upper

43 100

61 0.0 17.4 26.2#

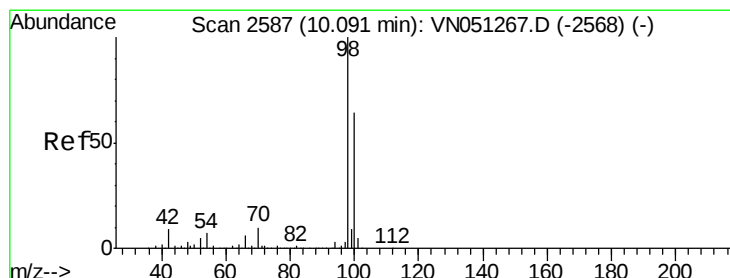
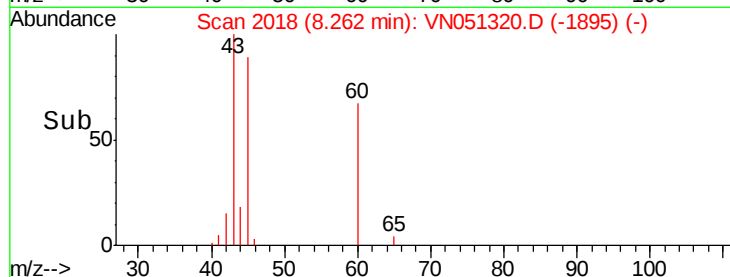
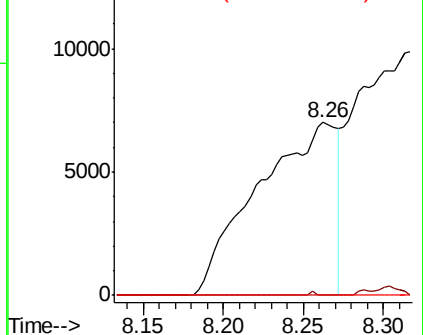
87 0.0 12.2 18.4#



Abundance Ion 43.00 (42.70 to 43.70): VN051320.D (-2018) (-)

Ion 61.00 (60.70 to 61.70): VN051320.D (-2018) (-)

Ion 87.00 (86.70 to 87.70): VN051320.D (-2018) (-)



#50

Toluene-d8

Concen: 47.15 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051320.D

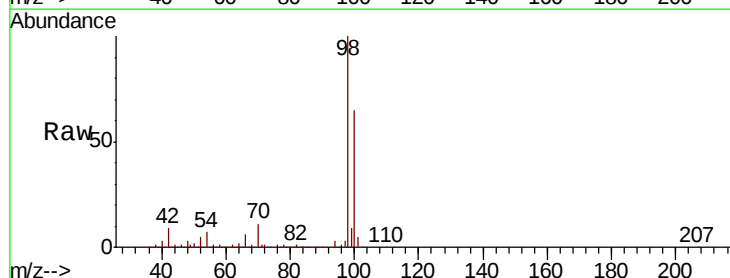
Acq: 19 Sep 2018 15:39

Tgt Ion: 98 Resp: 1116348

Ion Ratio Lower Upper

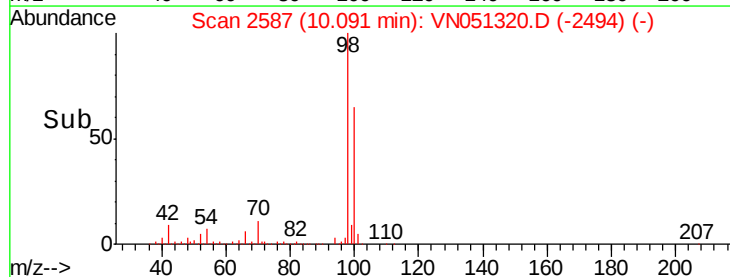
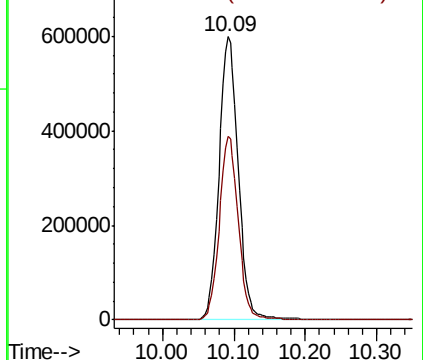
98 100

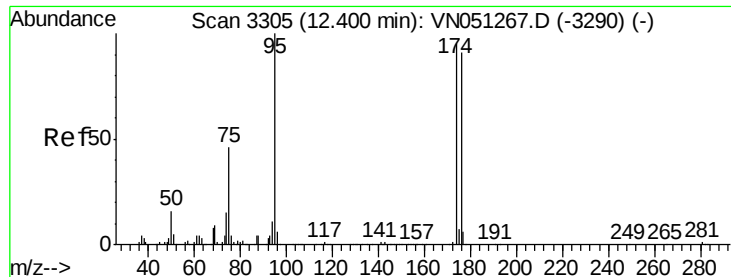
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN051320.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN051320.D (-2587) (-)

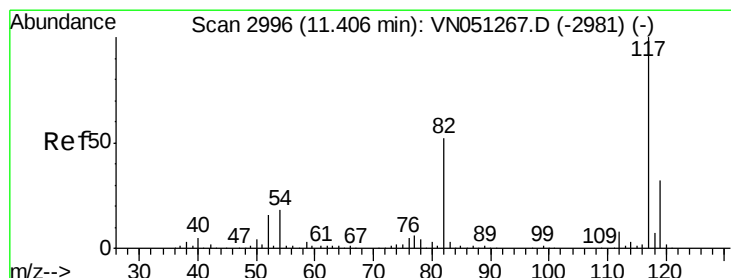
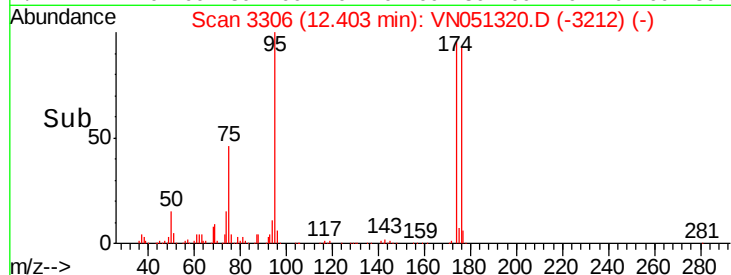
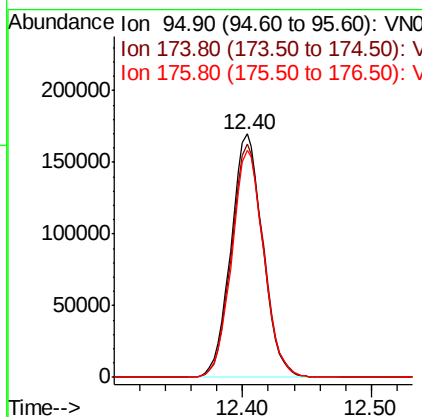
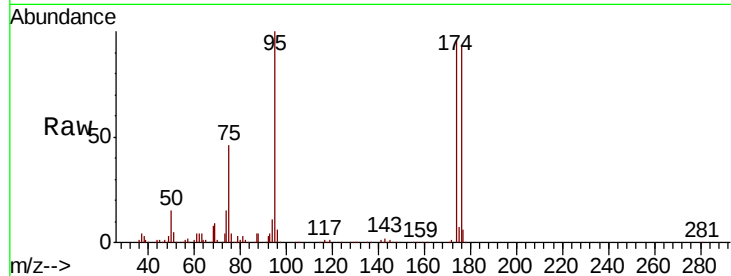




#62
4-Bromofluorobenzene
Concen: 38.58 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051320.D
Acq: 19 Sep 2018 15:39

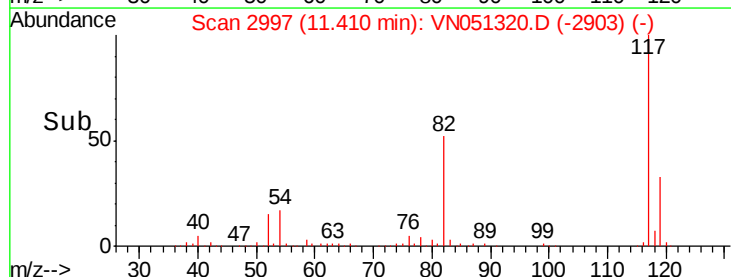
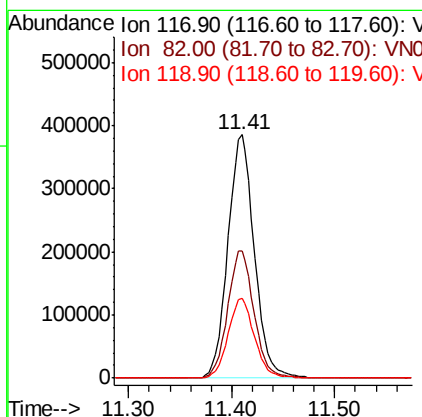
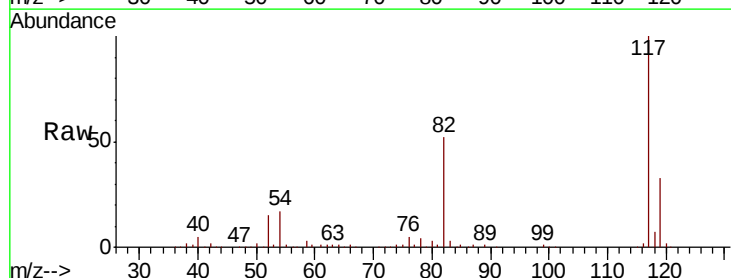
Instrument :
MSVOA_N
ClientSampled :

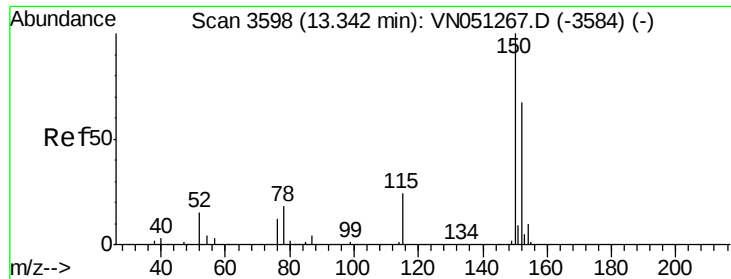
Tot Ion: 95 Resp: 290534
Ion Ratio Lower Upper
95 100
174 96.6 0.0 189.6
176 93.2 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051320.D
Acq: 19 Sep 2018 15:39

Tgt Ion: 117 Resp: 688743
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051320.D

Acq: 19 Sep 2018 15:39

Instrument :

MSVOA_N

ClientSampled :

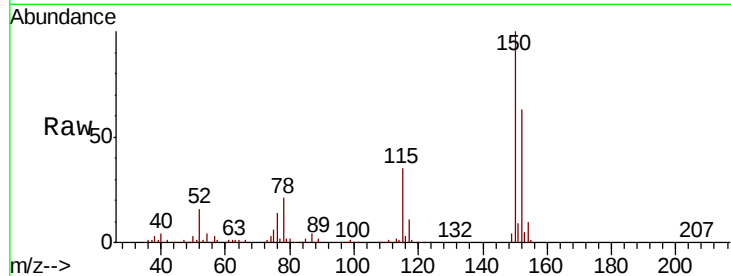
Tot Ion:152 Resp: 210815

Ion Ratio Lower Upper

152 100

115 55.1 27.1 81.2

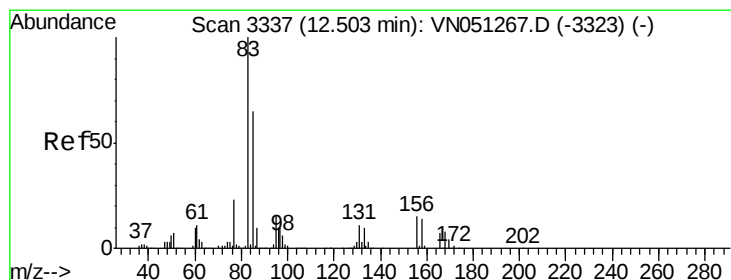
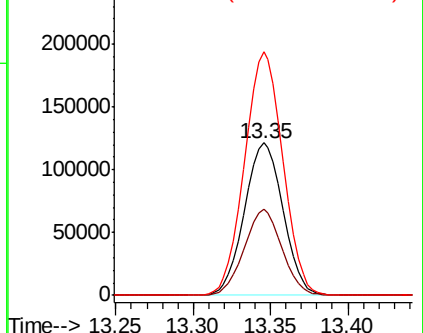
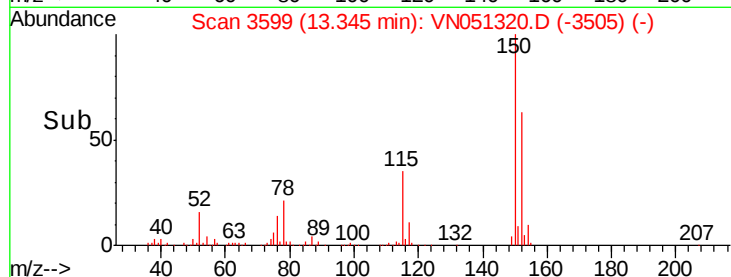
150 158.2 0.0 349.0



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: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN051320.D

Acq: 19 Sep 2018 15:39

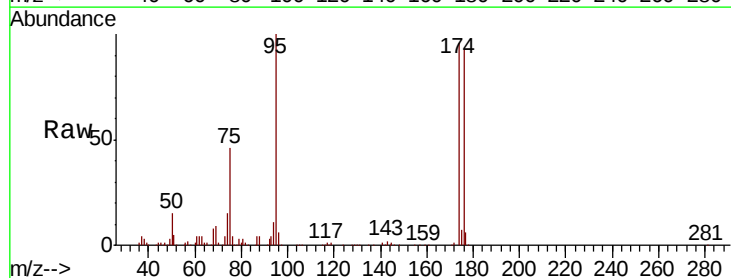
Tgt Ion: 83 Resp: 34

Ion Ratio Lower Upper

83 100

131 1085.3 5.5 16.7#

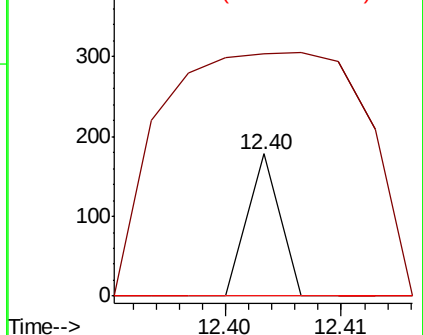
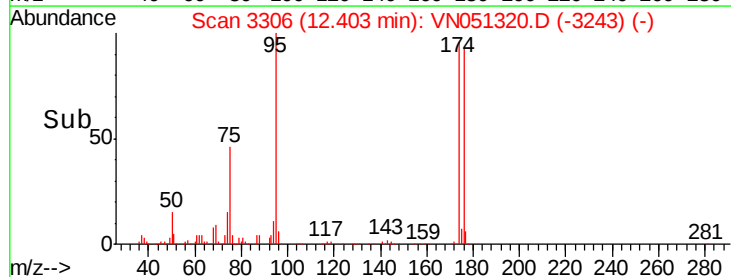
85 0.0 32.3 96.9#

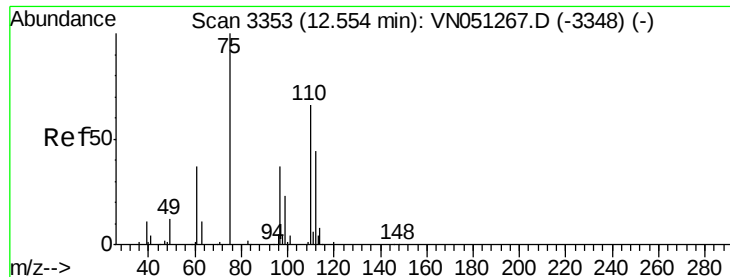


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 45.85 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051320.D

Acq: 19 Sep 2018 15:39

Instrument :

MSVOA_N

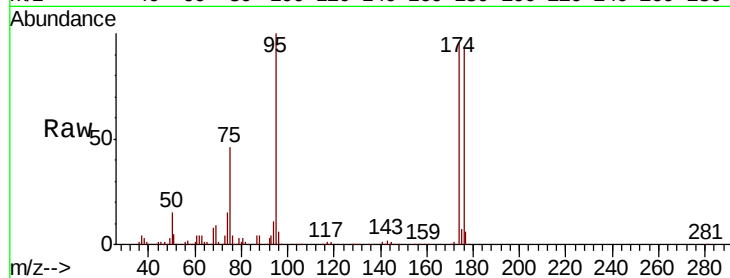
ClientSampleId :

Tot Ion: 75 Resp: 132794

Ion Ratio Lower Upper

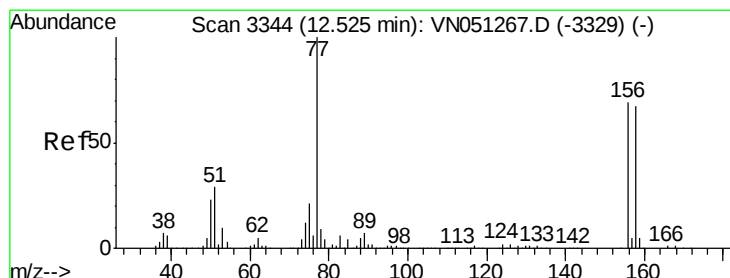
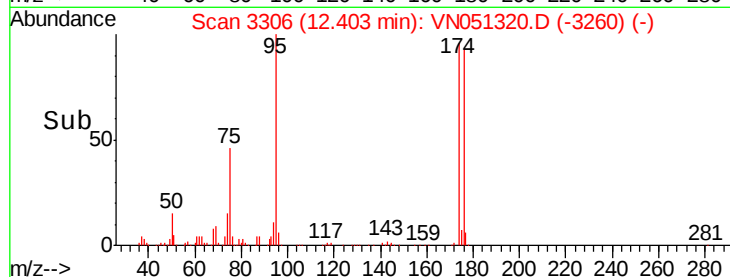
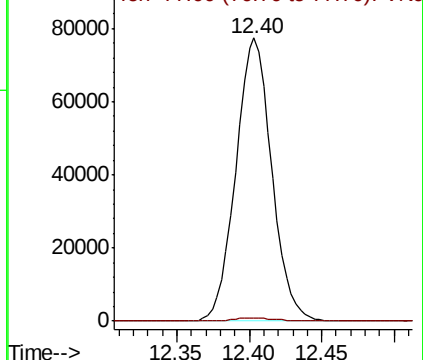
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN051320.D

Acq: 19 Sep 2018 15:39

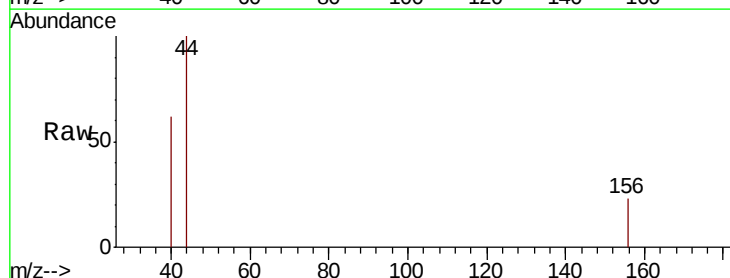
Tgt Ion: 156 Resp: 30

Ion Ratio Lower Upper

156 100

77 0.0 83.7 251.1#

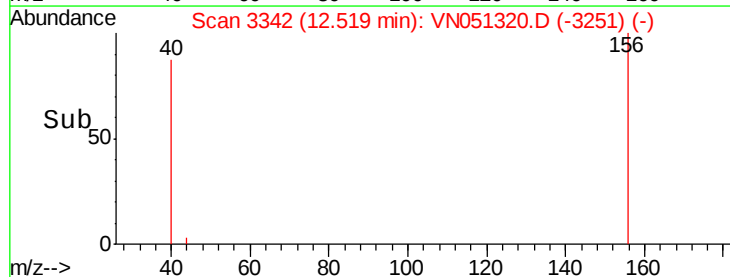
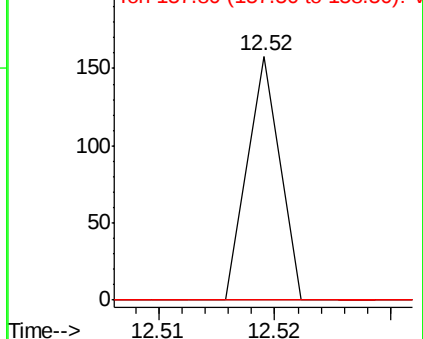
158 0.0 49.0 147.2#

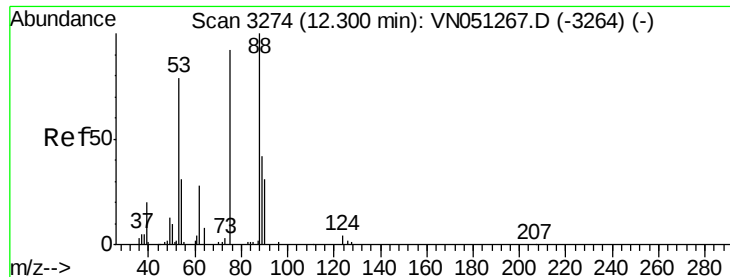


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

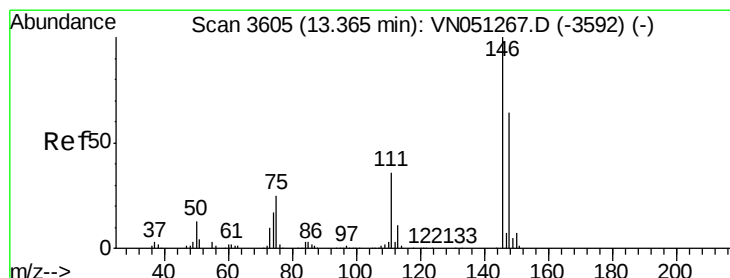
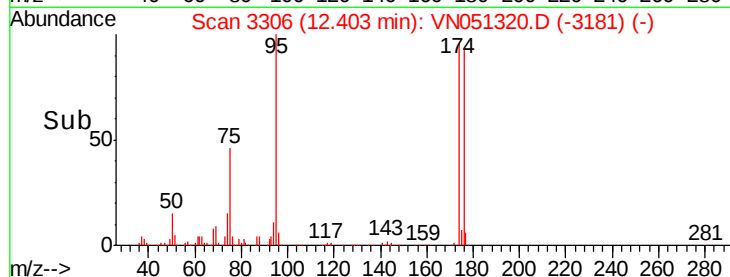
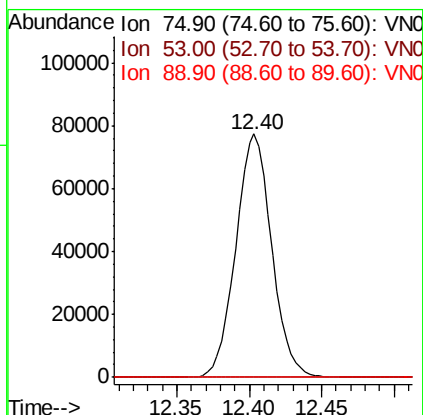
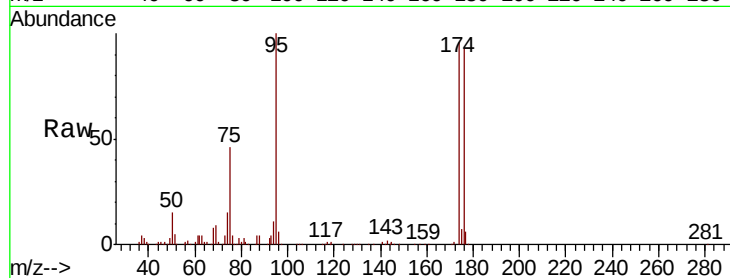




#81
trans-1,4-Dichloro-2-butene
Concen: 139.90 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051320.D
Acq: 19 Sep 2018 15:39

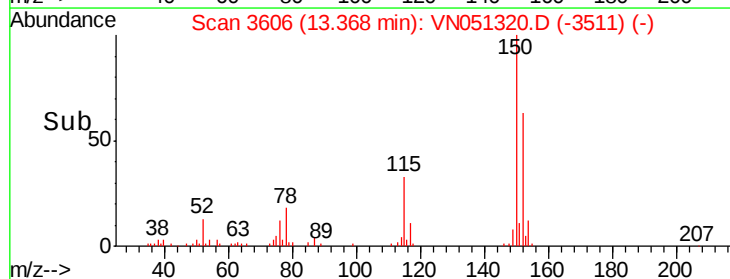
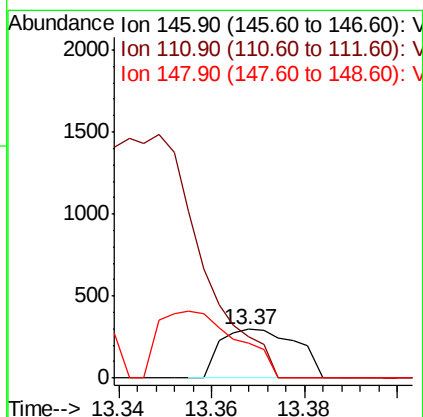
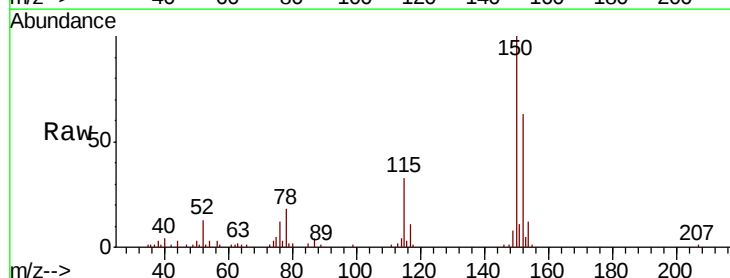
Instrument :
MSVOA_N
ClientSampled :

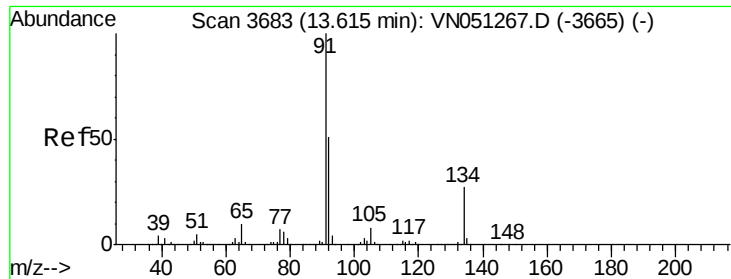
Tot Ion: 75 Resp: 132794
Ion Ratio Lower Upper
75 100
53 0.1 67.7 101.5#
89 0.0 36.9 55.3#



#88
1,4-Dichlorobenzene
Concen: 0.46 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. 0.00 min
Lab File: VN051320.D
Acq: 19 Sep 2018 15:39

Tgt Ion: 146 Resp: 338
Ion Ratio Lower Upper
146 100
111 757.7 18.2 54.6#
148 141.7 31.9 95.7#

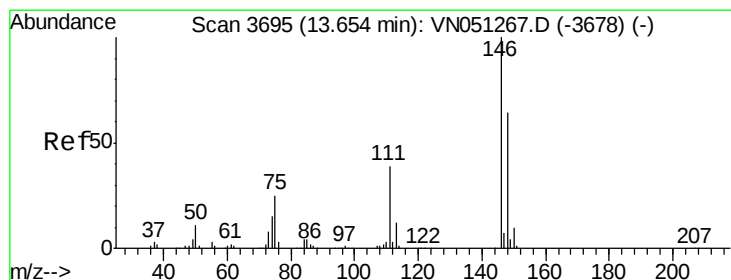
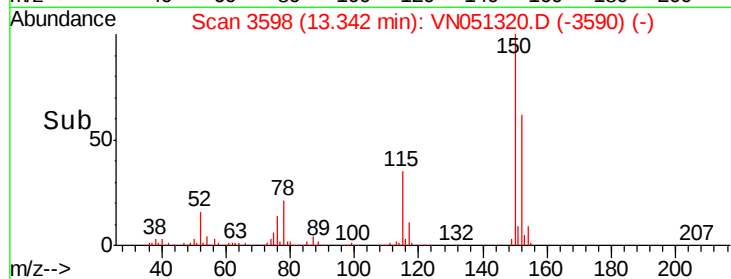
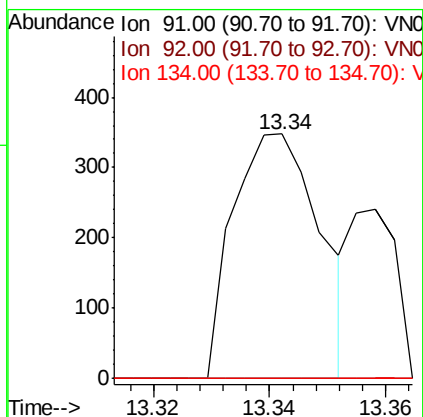
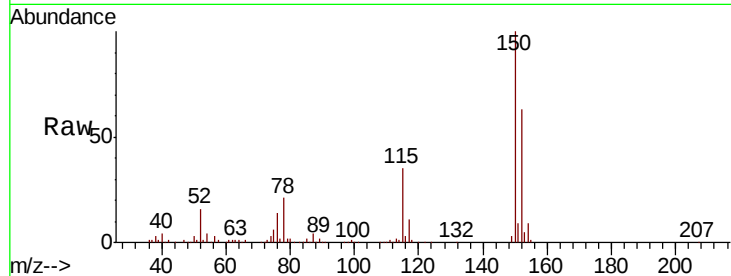




#89
n-Butylbenzene
Concen: 2.05 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.27 min
Lab File: VN051320.D
Acq: 19 Sep 2018 15:39

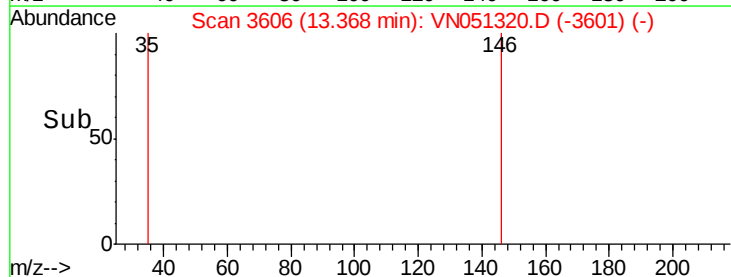
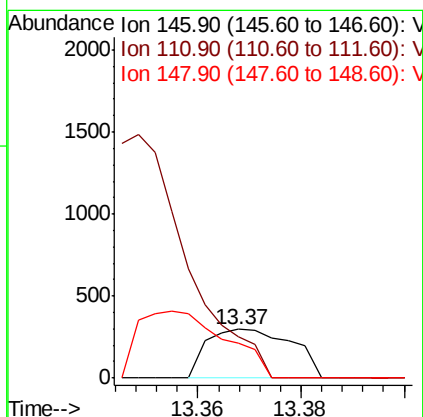
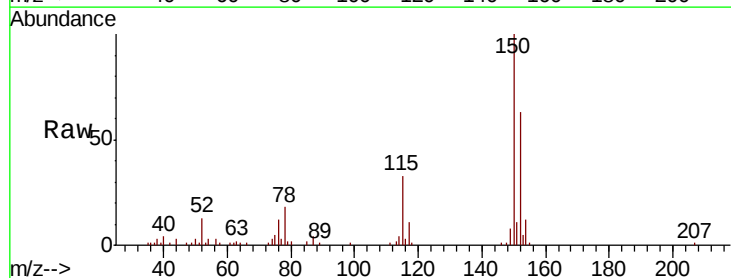
Instrument :
MSVOA_N
ClientSampleId :

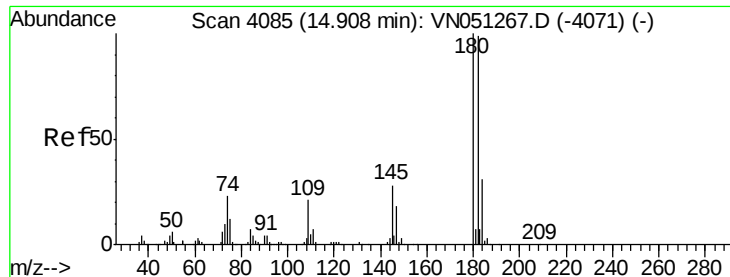
Tot Ion: 91 Resp: 360
Ion Ratio Lower Upper
91 100
92 0.0 25.8 77.4#
134 0.0 13.7 41.0#



#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.37 min Scan# 3606
Delta R.T. -0.29 min
Lab File: VN051320.D
Acq: 19 Sep 2018 15:39

Tgt Ion: 146 Resp: 338
Ion Ratio Lower Upper
146 100
111 0.0 19.6 58.7#
148 0.0 31.9 95.9#

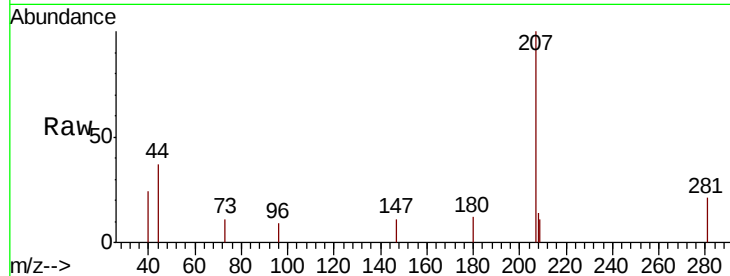




#93
 1,2,4-Trichlorobenzene
 Concen: 5.05 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN051320.D
 Acq: 19 Sep 2018 15:39

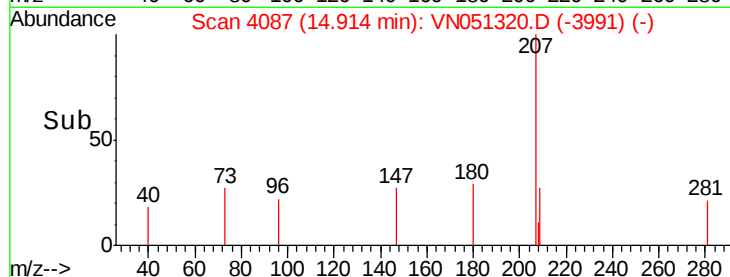
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 77
 Ion Ratio Lower Upper
 180 100
 182 85.7 48.5 145.6
 145 0.0 14.0 41.9#

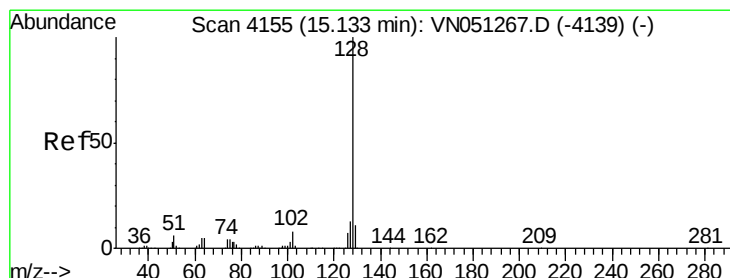


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

14.91

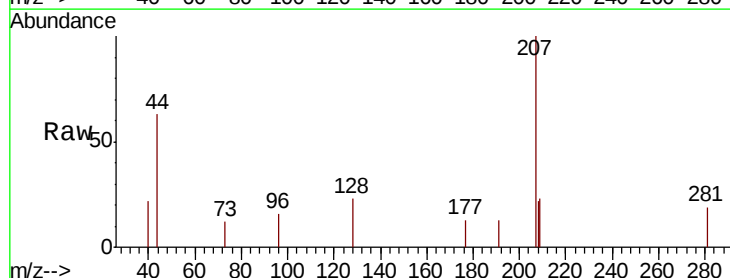


Time-->



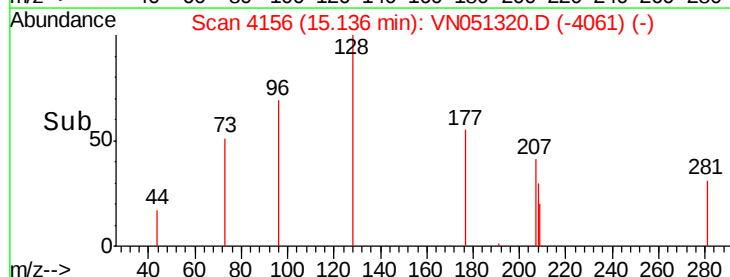
#95
 Naphthalene
 Concen: 5.97 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN051320.D
 Acq: 19 Sep 2018 15:39

Tgt Ion:128 Resp: 347
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.9 13.3#

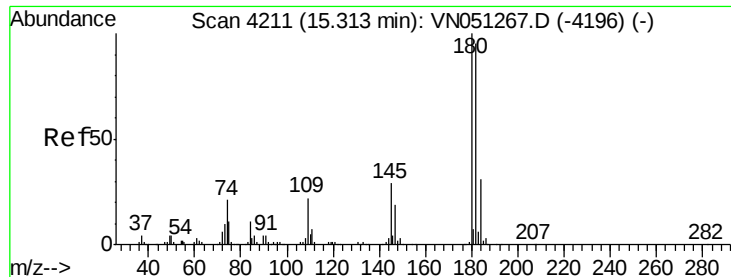


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

15.14



Time-->



#96
 1,2,3-Trichlorobenzene
 Concen: 3.87 ug/l
 RT: 15.32 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN051320.D
 Acq: 19 Sep 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	360.0	47.5	142.6#
145	0.0	14.8	44.4#

