

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051352.D
 Acq On : 20 Sep 2018 20:33
 Operator : MD\SY
 Sample : PB113045ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113045ZHE#03

Quant Time: Sep 21 06:45:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	792748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1184613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1004017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	380502	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	449493	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
35) Dibromofluoromethane	7.59	113	439776	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
50) Toluene-d8	10.09	98	1596627	43.38	ug/l	0.00
Spiked Amount			Recovery	=	86.76%	
62) 4-Bromofluorobenzene	12.40	95	439708	36.73	ug/l	0.00
Spiked Amount			Recovery	=	73.46%	

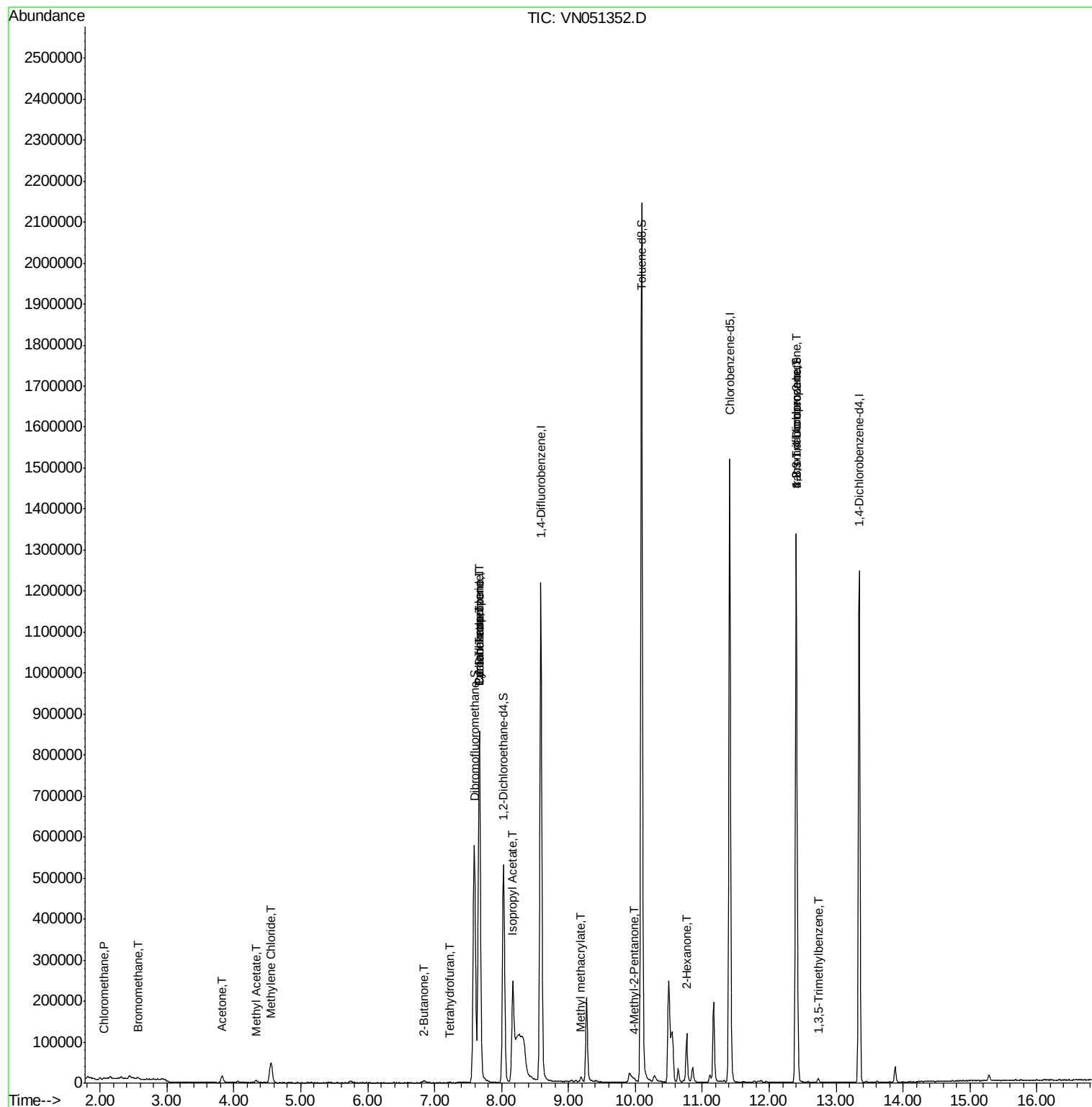
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1906	0.20	ug/l	95
5) Bromomethane	2.57	94	1646	0.25	ug/l	95
16) Acetone	3.82	43	28552	16.18	ug/l	91
18) Methyl Acetate	4.33	43	11247	1.85	ug/l	92
20) Methylene Chloride	4.56	84	38756	4.39	ug/l	99
25) 2-Butanone	6.85	43	4840	1.97	ug/l #	78
29) Tetrahydrofuran	7.21	42	997	0.64	ug/l #	59
31) Cyclohexane	7.67	56	12233	0.88	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	48431	4.00	ug/l #	47
38) Carbon Tetrachloride	7.67	117	67589	5.16	ug/l #	18
43) Isopropyl Acetate	8.17	43	335081	31.89	ug/l #	88
48) Methyl methacrylate	9.18	41	7147	1.33	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	3549	0.63	ug/l #	84
59) 2-Hexanone	10.76	43	16999	4.46	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	201385	36.65	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4561	0.20	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	201385	126.88	ug/l #	14

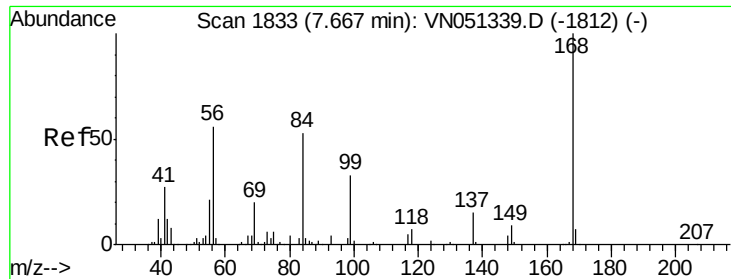
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092018\
Data File : VN051352.D
Acq On : 20 Sep 2018 20:33
Operator : MD\SY
Sample : PB113045ZHE#03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB113045ZHE#03

Quant Time: Sep 21 06:45:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 03:27:45 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: VN051352.D

Acq: 20 Sep 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

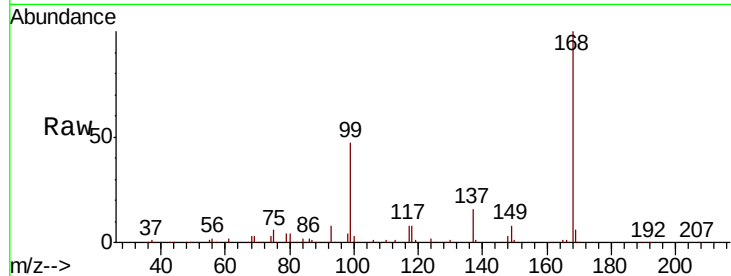
PB113045ZHE#03

Tot Ion:168 Resp: 792748

Ion Ratio Lower Upper

168 100

99 46.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN051339.D

Ion 98.90 (98.60 to 99.60): VN051339.D

7.67

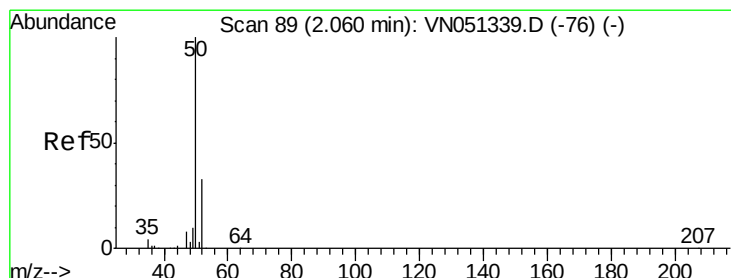
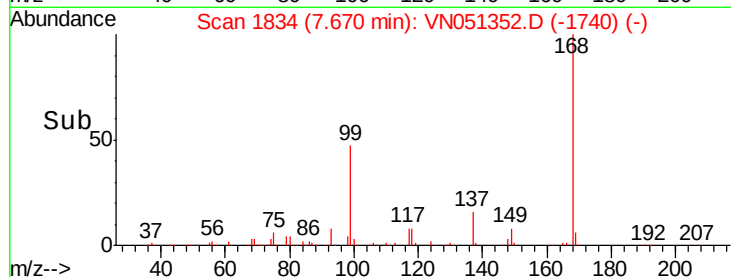
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.20 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051352.D

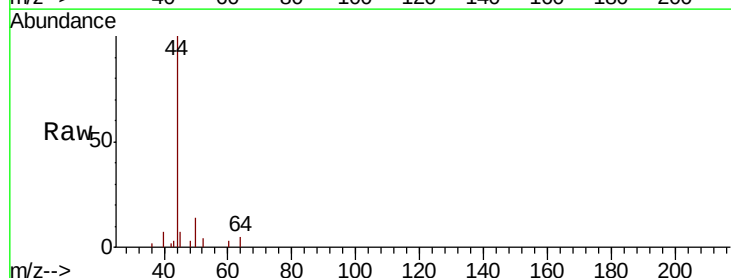
Acq: 20 Sep 2018 20:33

Tgt Ion: 50 Resp: 1906

Ion Ratio Lower Upper

50 100

52 30.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN051339.D

Ion 51.90 (51.60 to 52.60): VN051339.D

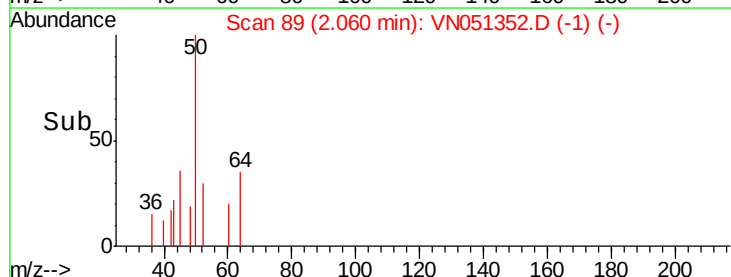
2.06

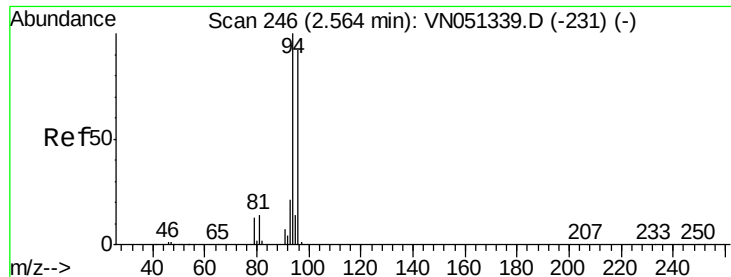
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.25 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051352.D

Acq: 20 Sep 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

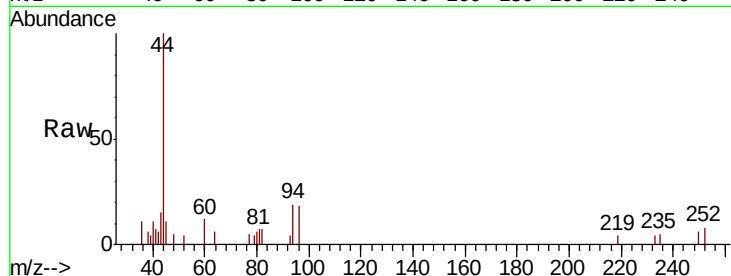
PB113045ZHE#03

Tot Ion: 94 Resp: 1646

Ion Ratio Lower Upper

94 100

96 97.3 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051339.D (-231) (-)

Ion 95.90 (95.60 to 96.60): VN051339.D (-231) (-)

2.57

800

600

400

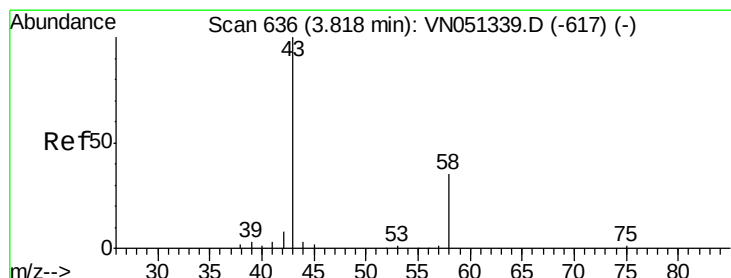
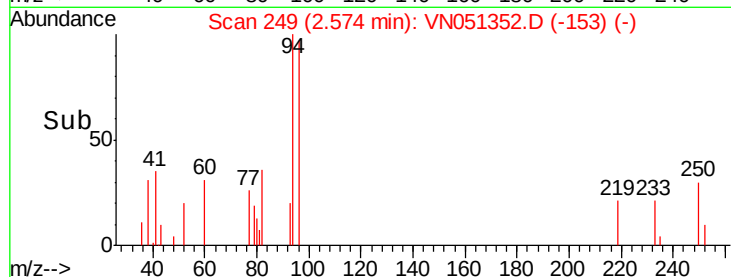
200

0

2.55

2.60

Time-->



#16

Acetone

Concen: 16.18 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051352.D

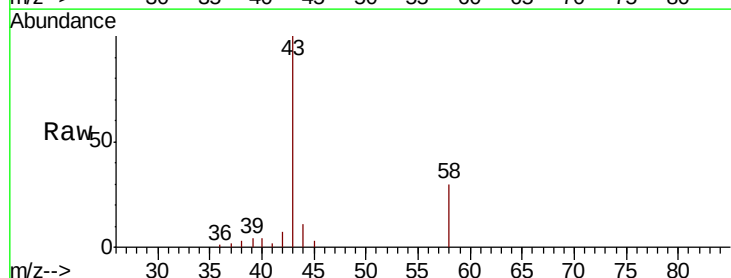
Acq: 20 Sep 2018 20:33

Tgt Ion: 43 Resp: 28552

Ion Ratio Lower Upper

43 100

58 30.2 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN051339.D (-617) (-)

3.82

12000

10000

8000

6000

4000

2000

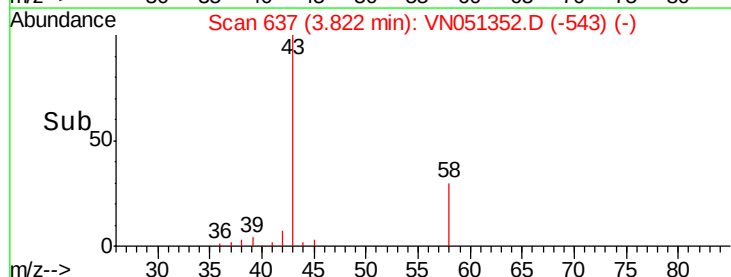
0

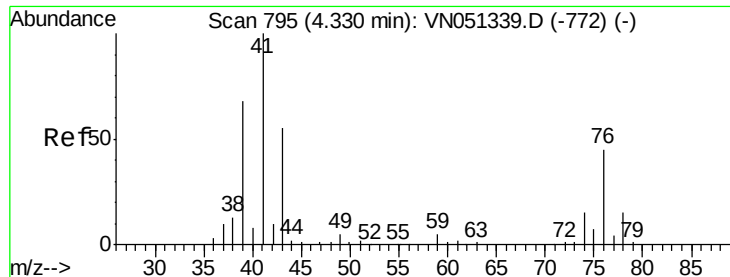
3.70

3.80

3.90

Time-->

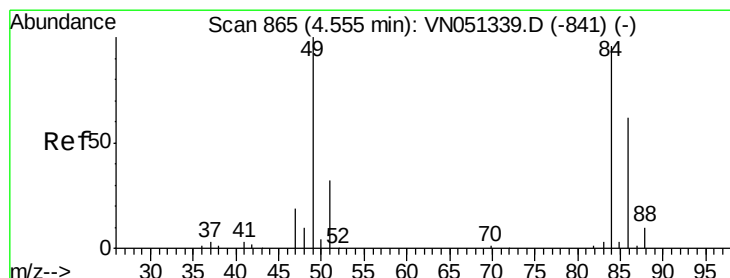
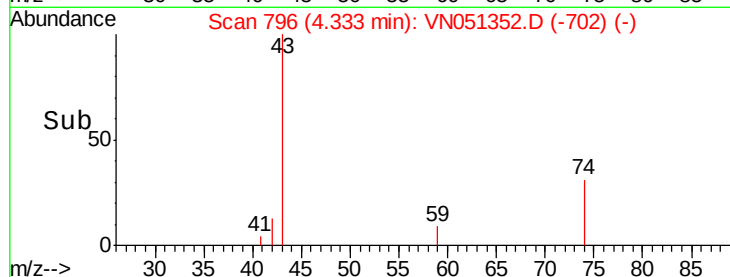
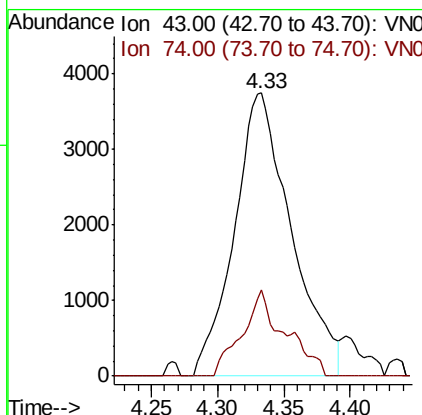
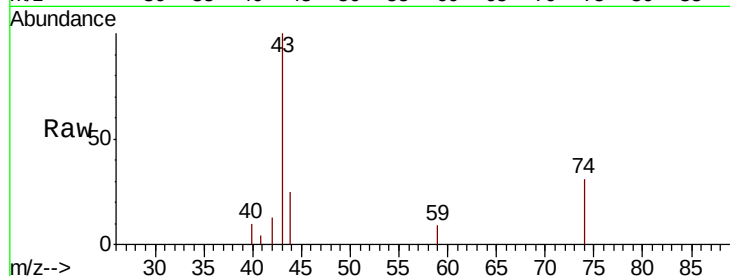




#18
Methvl Acetate
Concen: 1.85 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051352.D
Acq: 20 Sep 2018 20:33

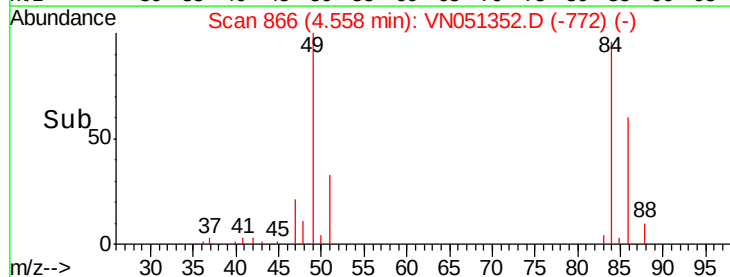
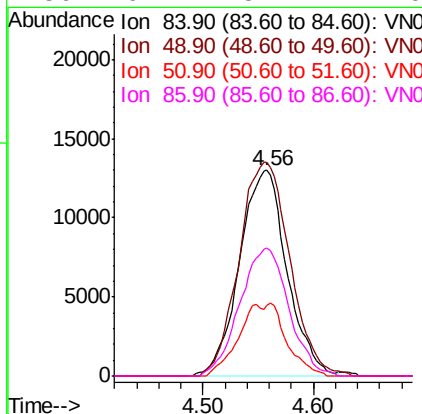
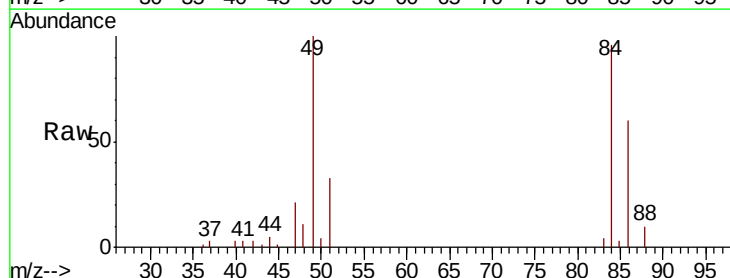
Instrument :
MSVOA_N
ClientSampleId :
PB113045ZHE#03

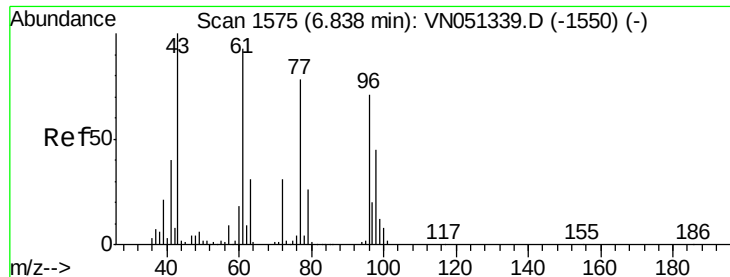
Tot Ion: 43 Resp: 11247
Ion Ratio Lower Upper
43 100
74 22.9 21.7 32.5



#20
Methylene Chloride
Concen: 4.39 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051352.D
Acq: 20 Sep 2018 20:33

Tgt Ion: 84 Resp: 38756
Ion Ratio Lower Upper
84 100
49 103.8 83.2 124.8
51 34.0 26.4 39.6
86 62.4 51.4 77.0





#25

2-Butanone

Concen: 1.97 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN051352.D

Acq: 20 Sep 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

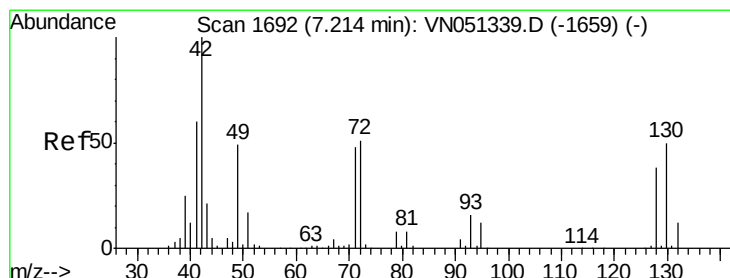
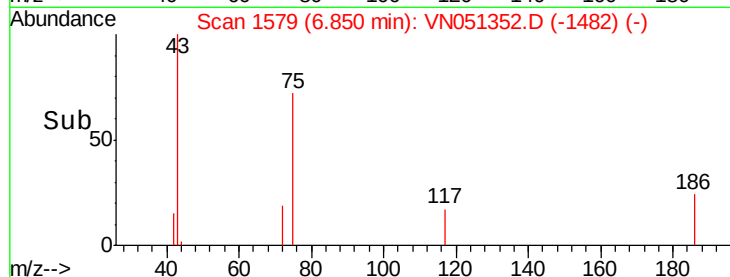
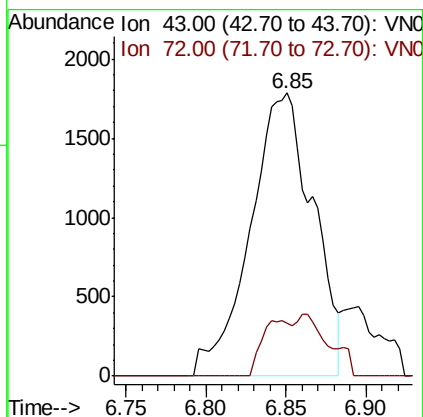
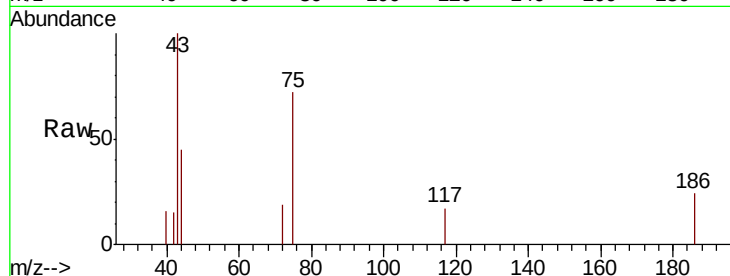
PB113045ZHE#03

Tot Ion: 43 Resp: 4840

Ion Ratio Lower Upper

43 100

72 18.9 24.7 37.1#



#29

Tetrahydrofuran

Concen: 0.64 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN051352.D

Acq: 20 Sep 2018 20:33

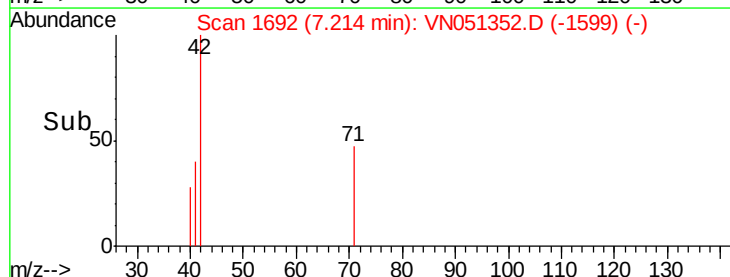
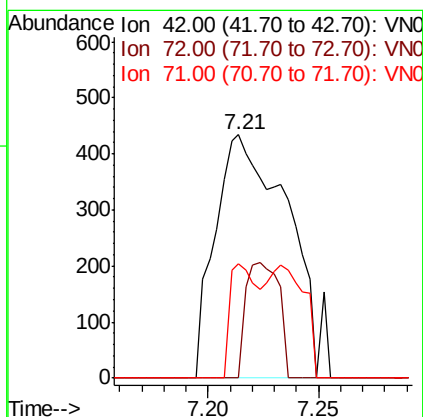
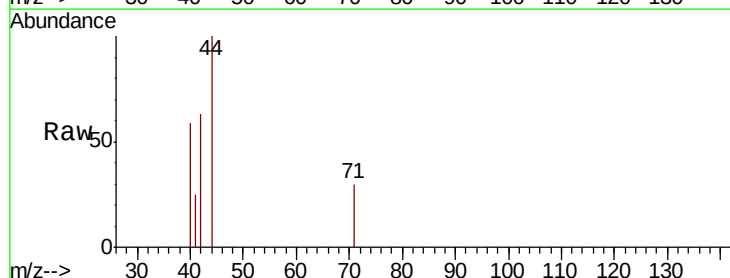
Tgt Ion: 42 Resp: 997

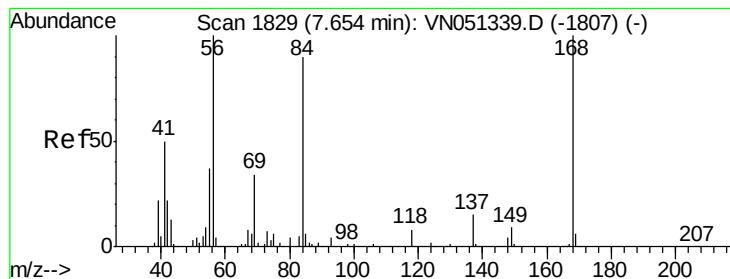
Ion Ratio Lower Upper

42 100

72 21.5 39.0 58.4#

71 17.8 36.5 54.7#





#31

Cyclohexane

Concen: 0.88 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051352.D

Acq: 20 Sep 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

PB113045ZHE#03

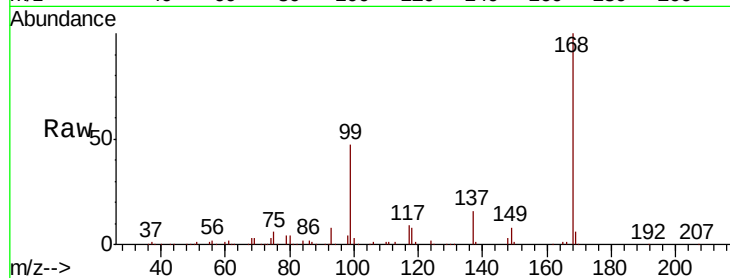
Tot Ion: 56 Resp: 12233

Ion Ratio Lower Upper

56 100

69 192.3 27.3 40.9#

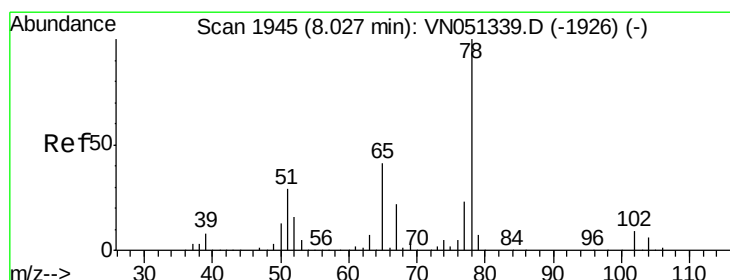
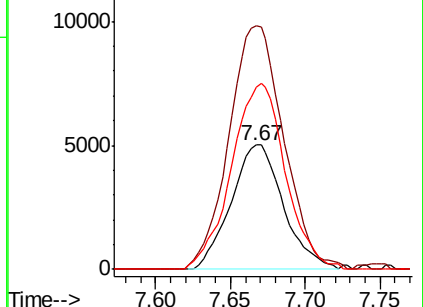
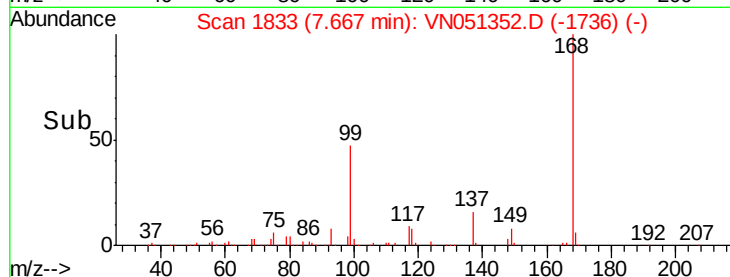
84 142.8 72.2 108.2#



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: 52.31 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051352.D

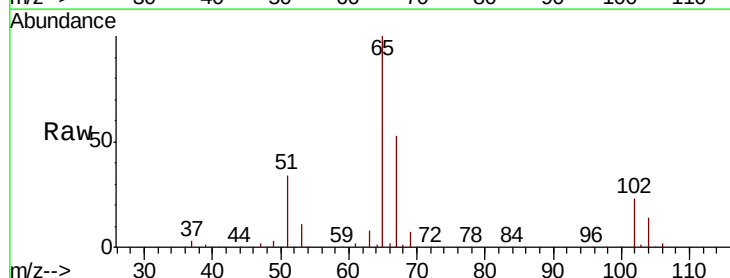
Acq: 20 Sep 2018 20:33

Tgt Ion: 65 Resp: 449493

Ion Ratio Lower Upper

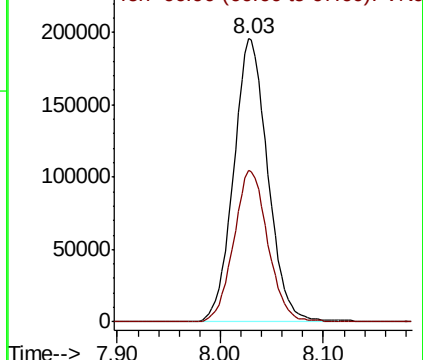
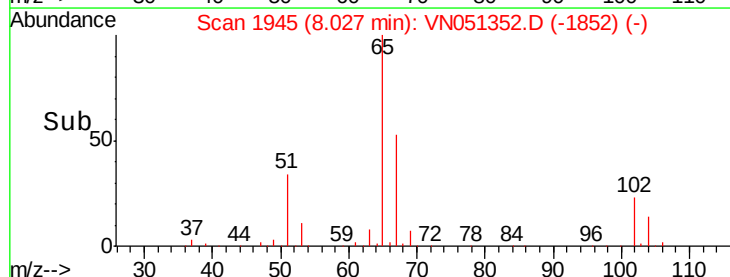
65 100

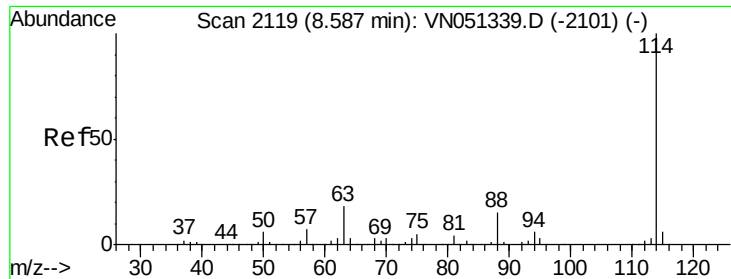
67 53.6 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

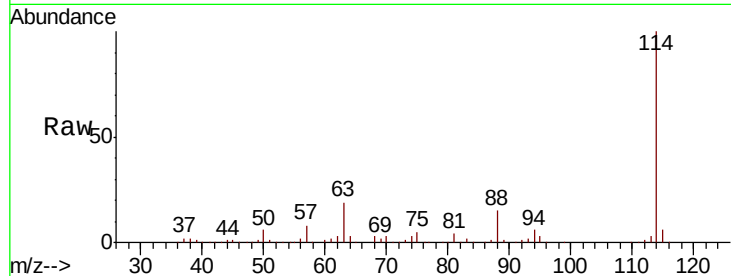




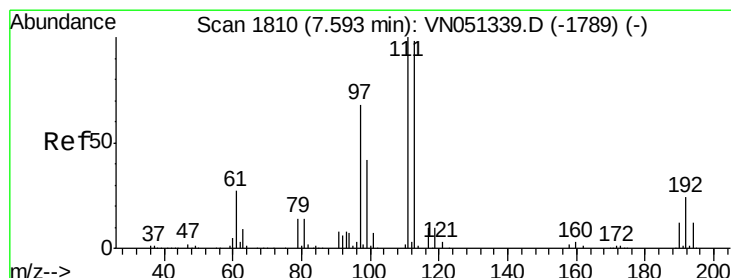
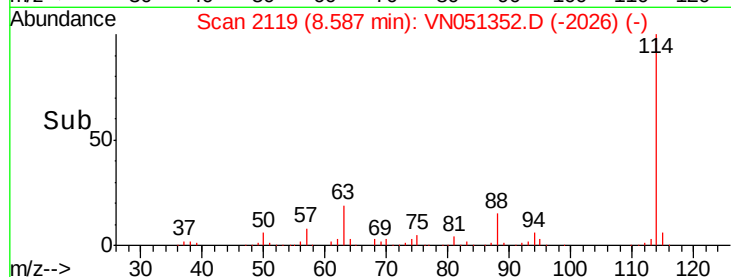
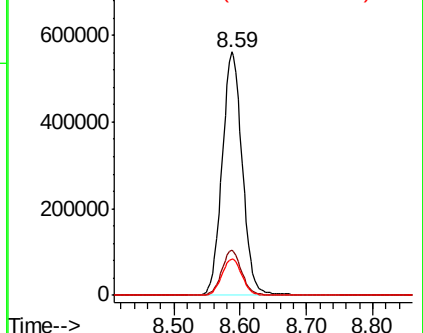
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051352.D
 Acq: 20 Sep 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113045ZHE#03

Tot Ion:114 Resp: 1184613
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.6
 88 15.0 0.0 29.8

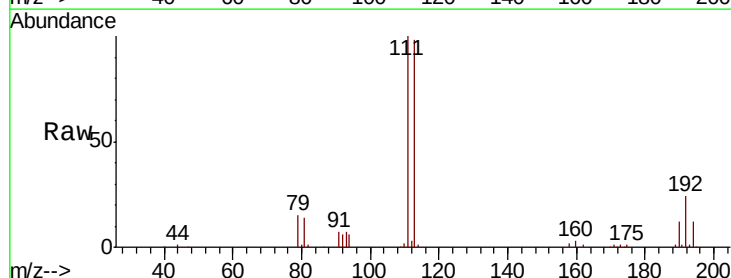


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

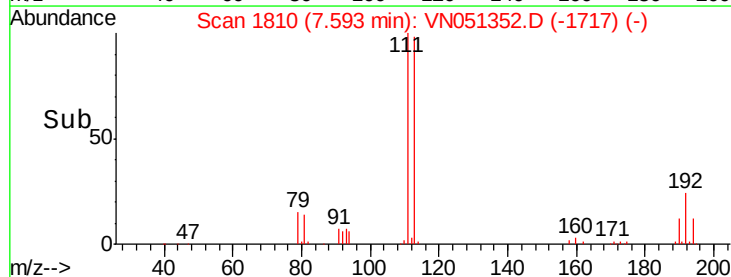
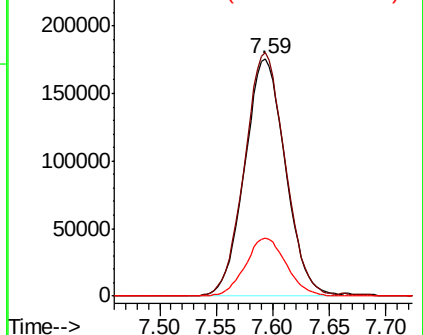


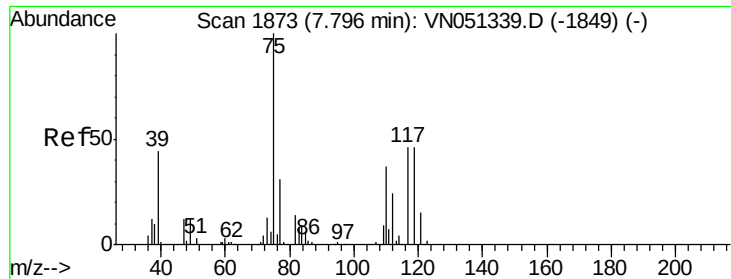
#35
 Dibromofluoromethane
 Concen: 45.94 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051352.D
 Acq: 20 Sep 2018 20:33

Tgt Ion:113 Resp: 439776
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 24.5 19.8 29.6



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

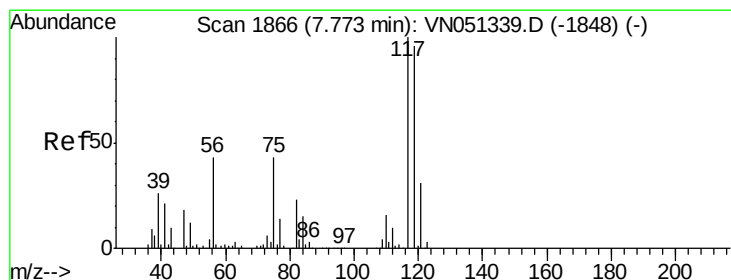
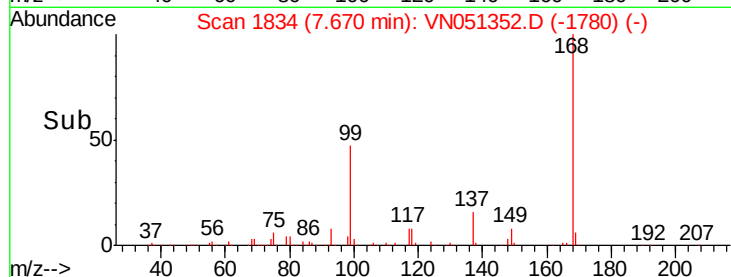
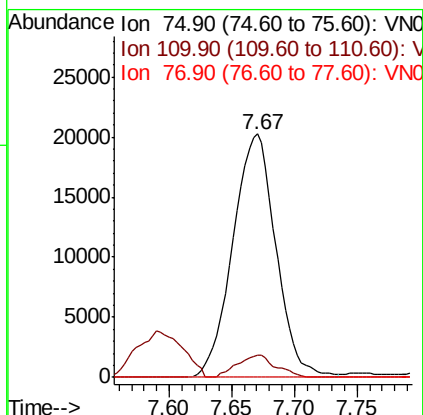
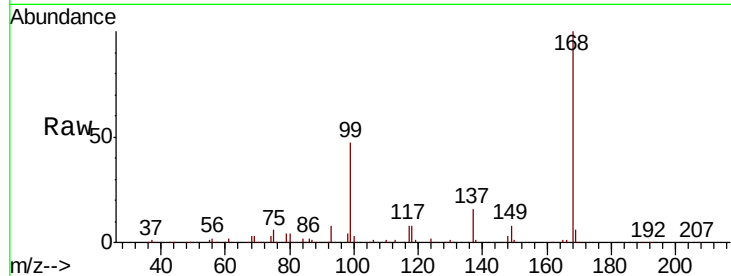




#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.13 min
 Lab File: VN051352.D
 Acq: 20 Sep 2018 20:33

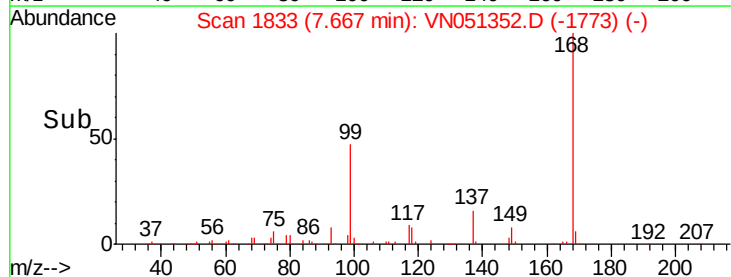
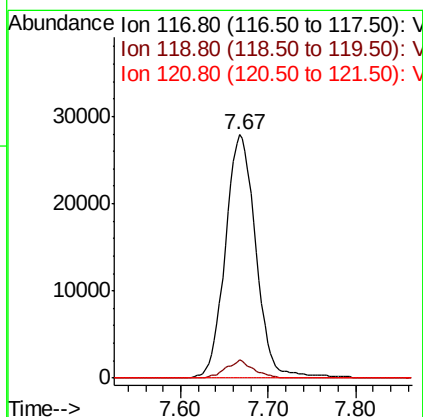
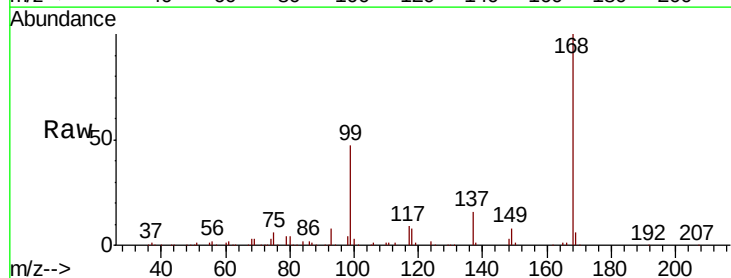
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113045ZHE#03

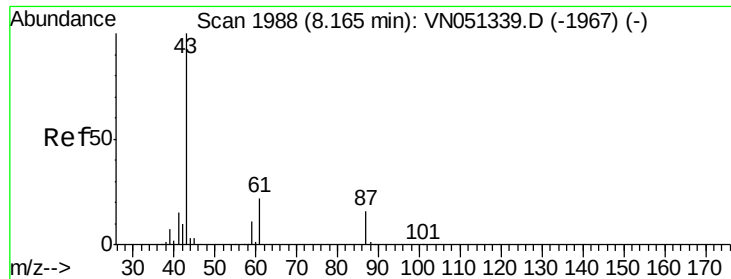
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.9	56.5#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 5.16 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051352.D
 Acq: 20 Sep 2018 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.3	77.0	115.4#
121	0.0	25.0	37.4#





#43

Isopropyl Acetate

Concen: 31.89 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051352.D

Acq: 20 Sep 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

PB113045ZHE#03

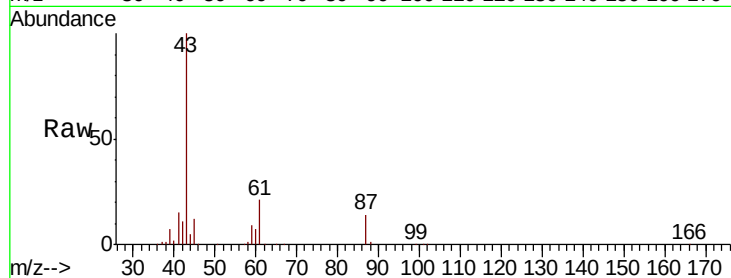
Tot Ion: 43 Resp: 335081

Ion Ratio Lower Upper

43 100

61 16.6 18.1 27.1#

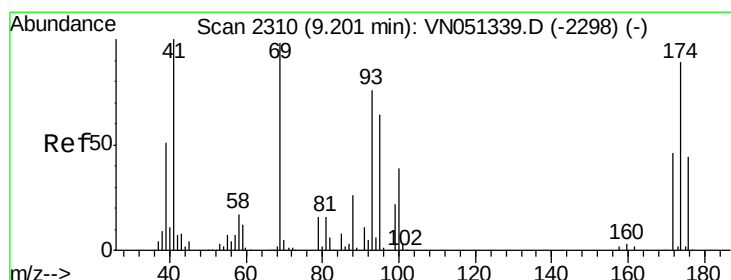
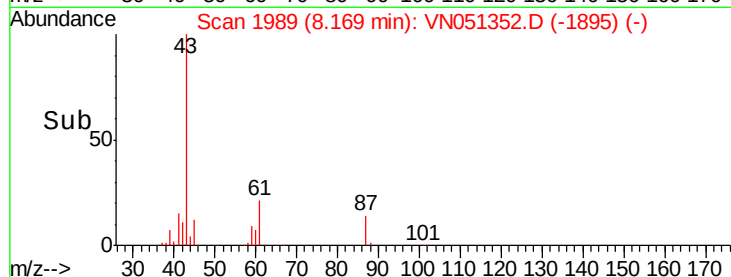
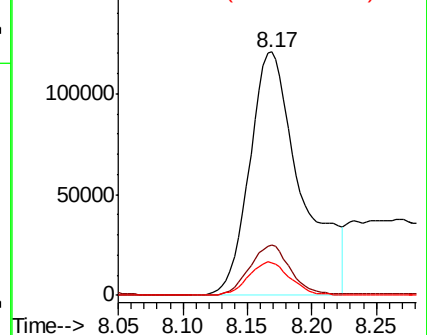
87 11.1 12.8 19.2#



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: 1.33 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051352.D

Acq: 20 Sep 2018 20:33

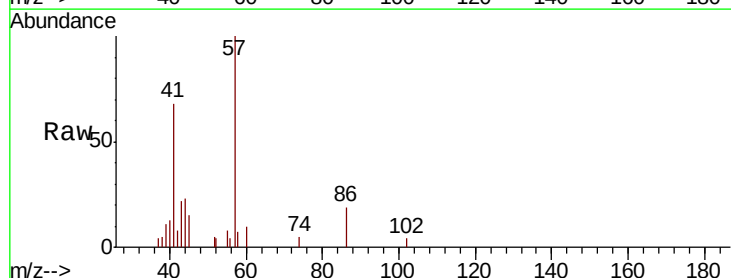
Tgt Ion: 41 Resp: 7147

Ion Ratio Lower Upper

41 100

69 0.0 79.4 119.0#

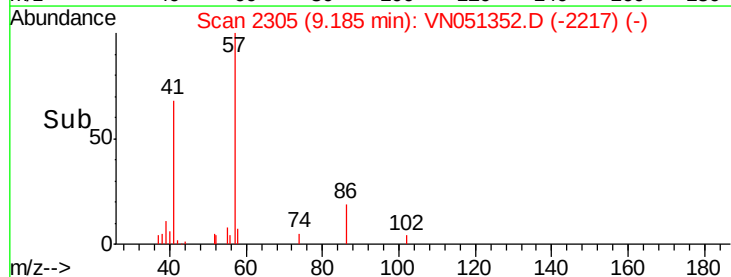
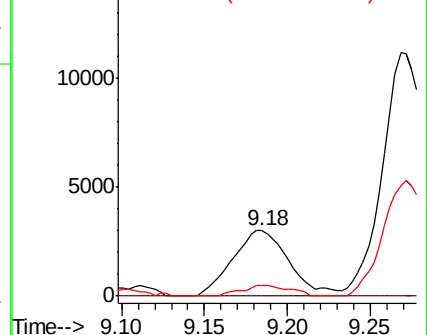
39 13.7 43.0 64.6#

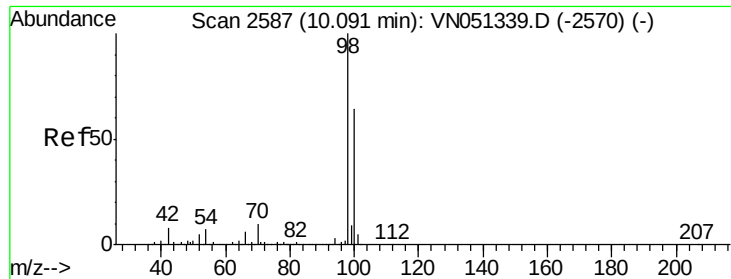


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 43.38 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051352.D

Acq: 20 Sep 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

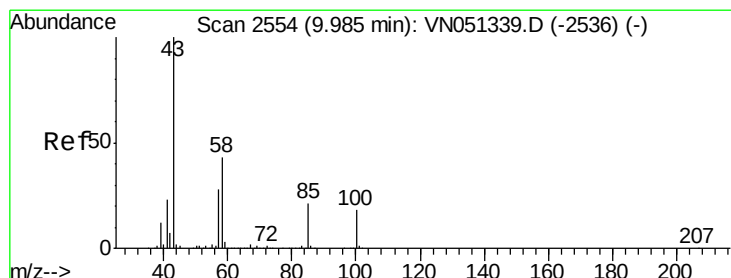
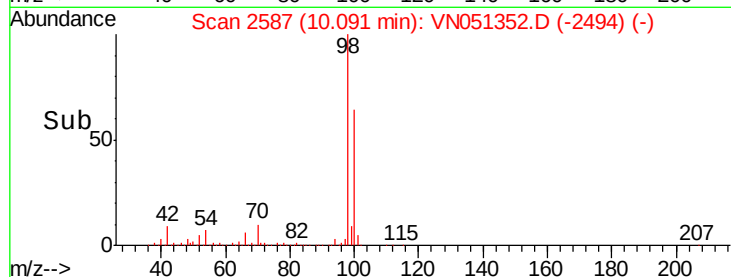
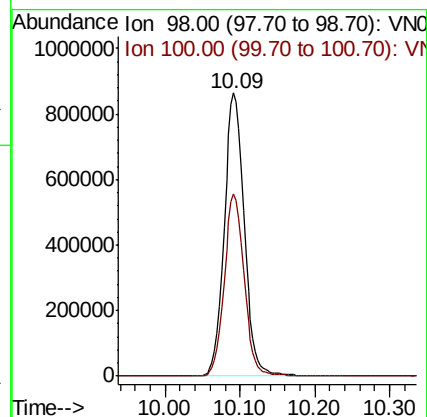
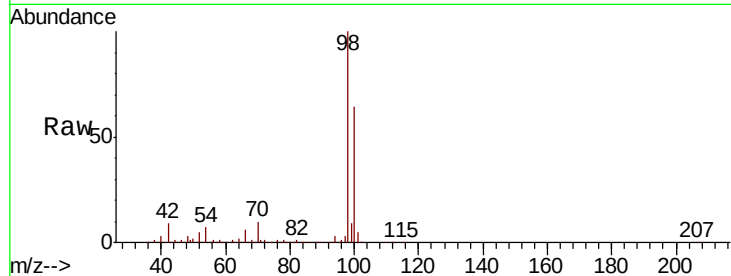
PB113045ZHE#03

Tot Ion: 98 Resp: 1596627

Ion Ratio Lower Upper

98 100

100 63.8 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 0.63 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051352.D

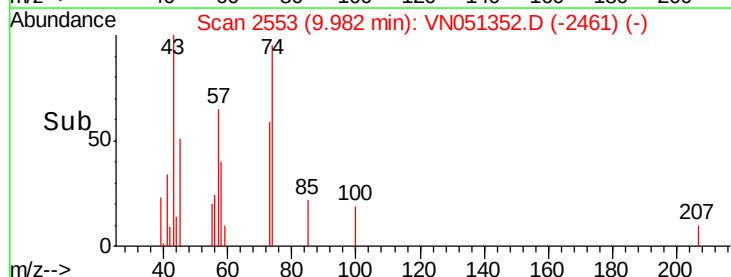
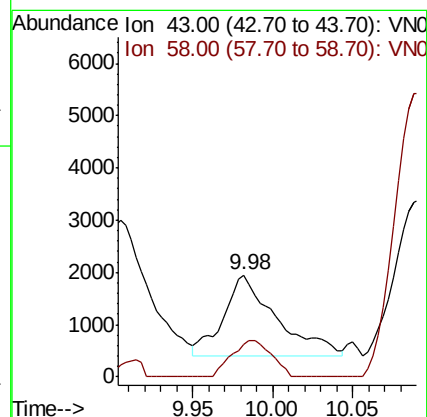
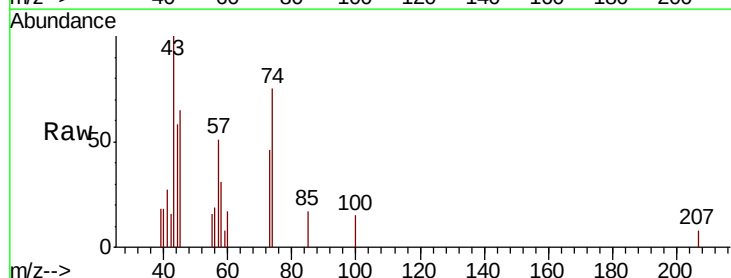
Acq: 20 Sep 2018 20:33

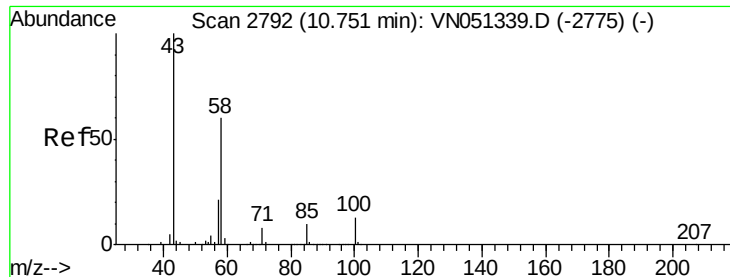
Tgt Ion: 43 Resp: 3549

Ion Ratio Lower Upper

43 100

58 32.9 34.2 51.4#

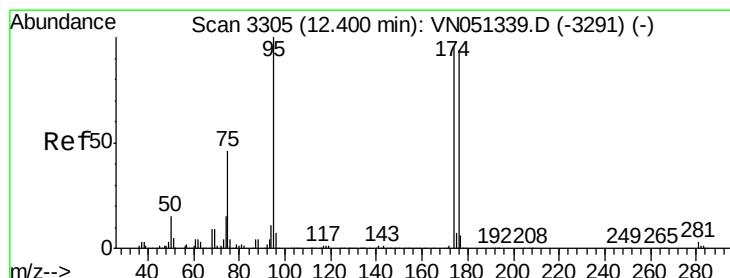
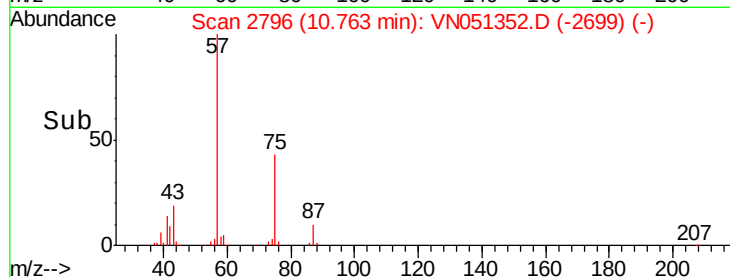
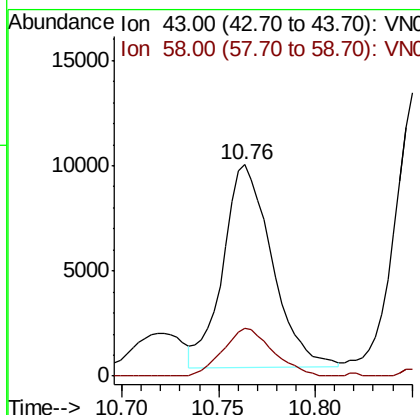
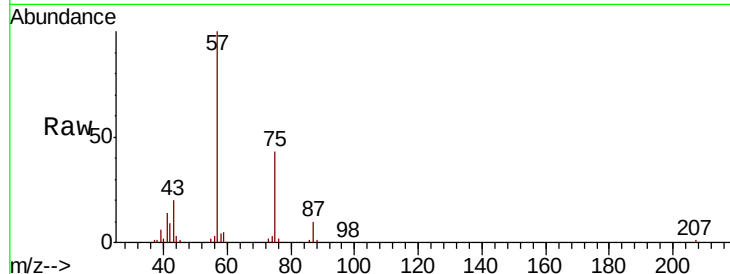




#59
 2-Hexanone
 Concen: 4.46 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN051352.D
 Acq: 20 Sep 2018 20:33

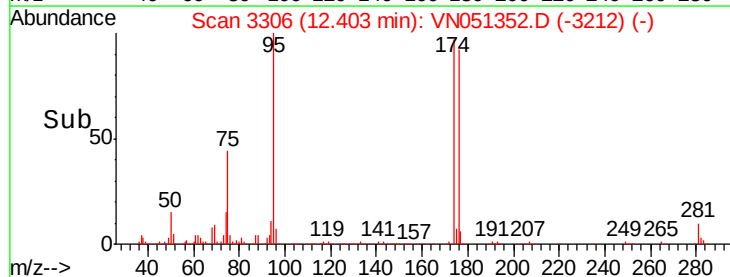
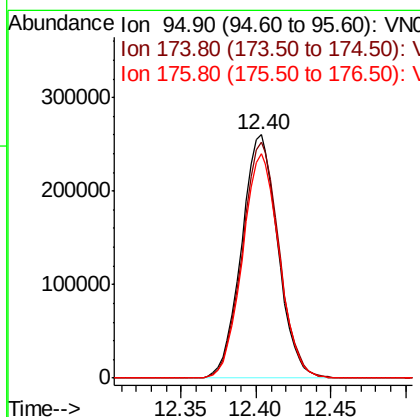
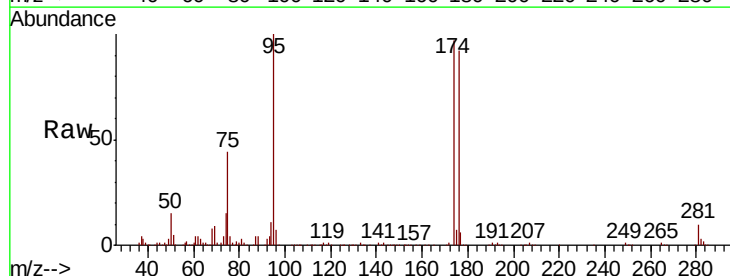
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113045ZHE#03

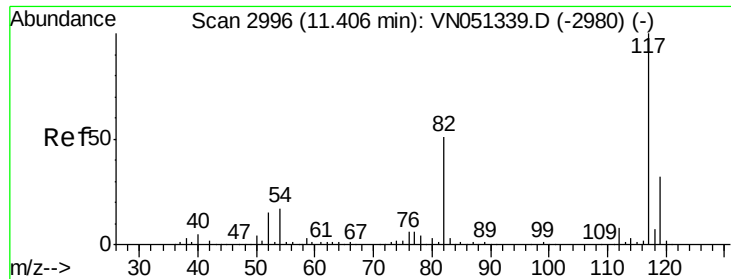
Tot Ion: 43 Resp: 16999
 Ion Ratio Lower Upper
 43 100
 58 23.8 29.9 89.8#



#62
 4-Bromofluorobenzene
 Concen: 36.73 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051352.D
 Acq: 20 Sep 2018 20:33

Tgt Ion: 95 Resp: 439708
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 194.6
 176 93.3 0.0 189.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051352.D

Acq: 20 Sep 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

PB113045ZHE#03

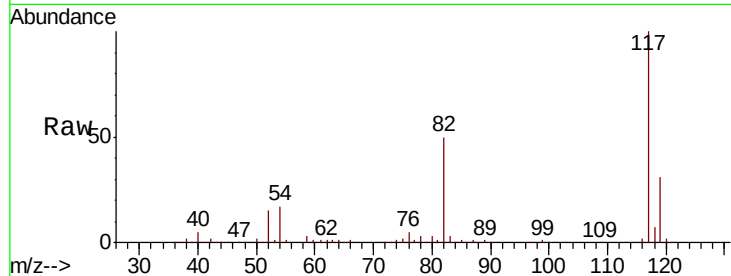
Tot Ion:117 Resp: 1004017

Ion Ratio Lower Upper

117 100

82 50.3 40.7 61.1

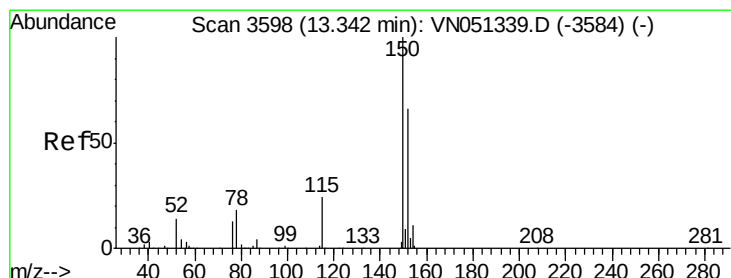
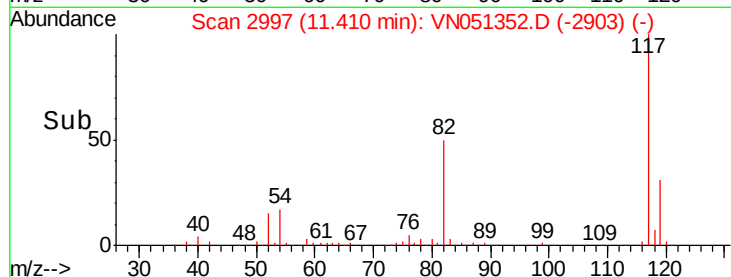
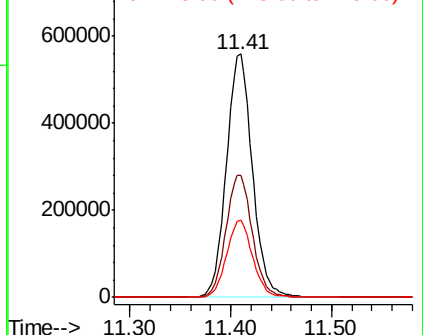
119 31.5 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

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: VN051352.D

Acq: 20 Sep 2018 20:33

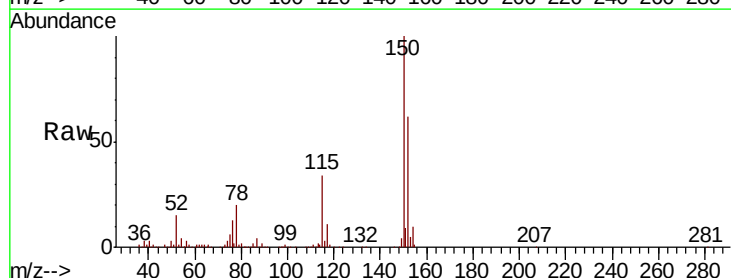
Tgt Ion:152 Resp: 380502

Ion Ratio Lower Upper

152 100

115 54.4 26.9 80.7

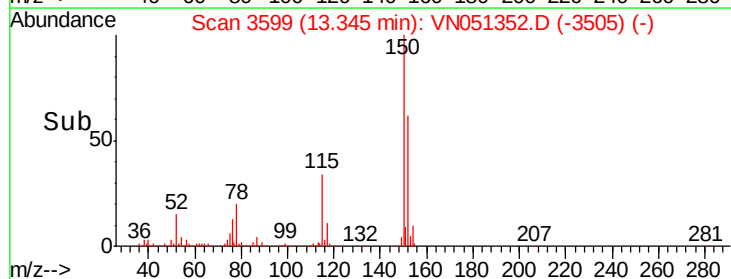
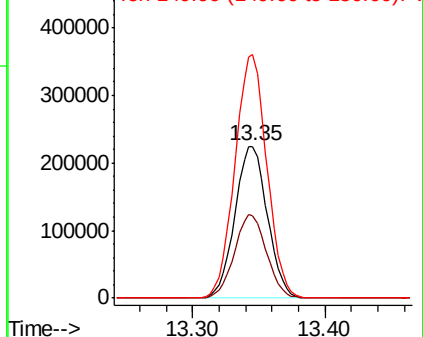
150 158.1 0.0 345.0

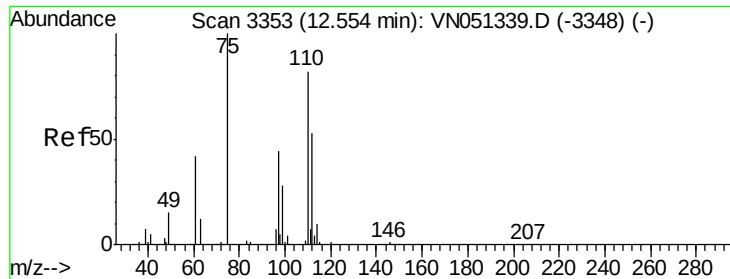


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.65 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051352.D

Acq: 20 Sep 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

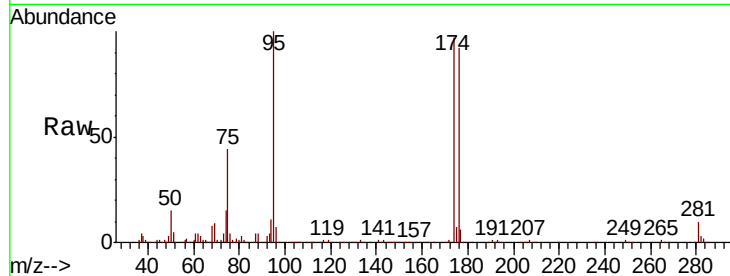
PB113045ZHE#03

Tot Ion: 75 Resp: 201385

Ion Ratio Lower Upper

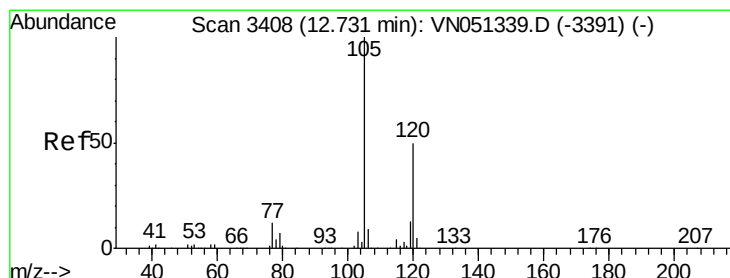
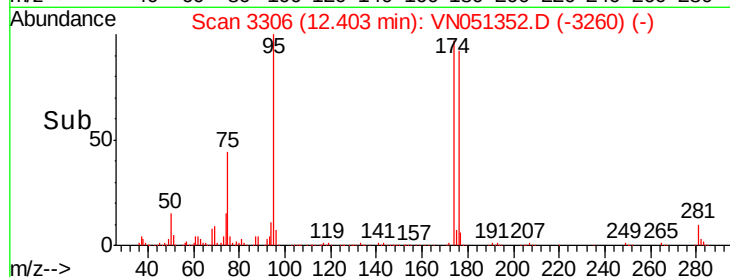
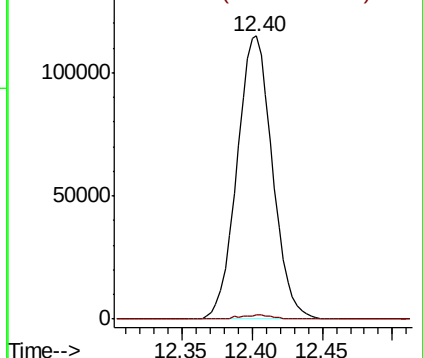
75 100

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



#80

1,3,5-Trimethylbenzene

Concen: 0.20 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051352.D

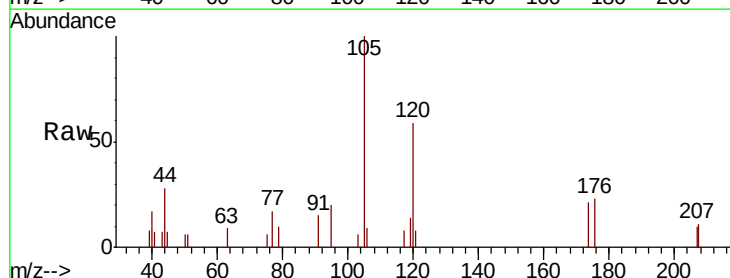
Acq: 20 Sep 2018 20:33

Tgt Ion:105 Resp: 4561

Ion Ratio Lower Upper

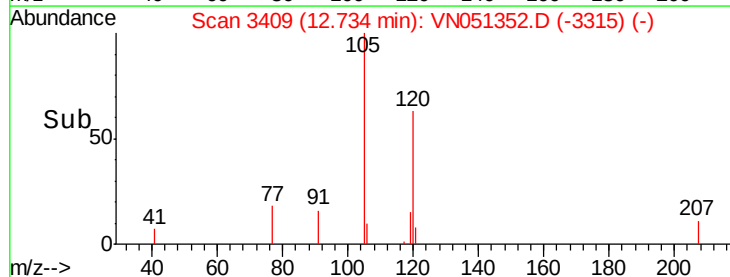
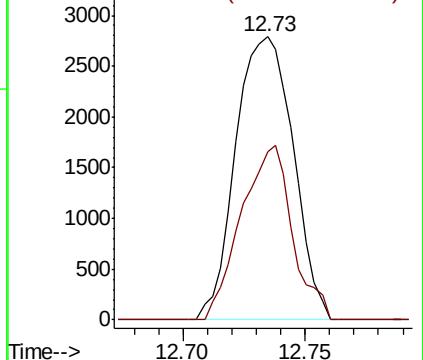
105 100

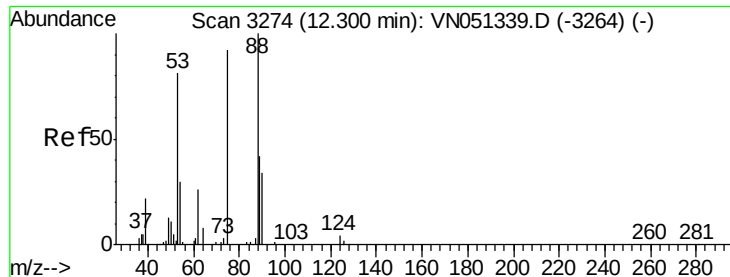
120 54.7 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 126.88 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051352.D

Acq: 20 Sep 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

PB113045ZHE#03

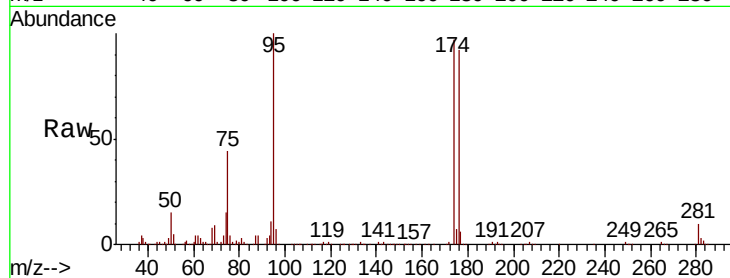
Tot Ion: 75 Resp: 201385

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.0 37.9 56.9#



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

