

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051227.D
 Acq On : 15 Sep 2018 17:08
 Operator : MD\SY
 Sample : PB112879ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 02:16:26 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	433792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	677127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	538819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	155745	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	235327	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	7.59	113	254186	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.09	98	851316	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	
62) 4-Bromofluorobenzene	12.40	95	219176	34.32	ug/l	0.00
Spiked Amount			Recovery	=	68.64%	

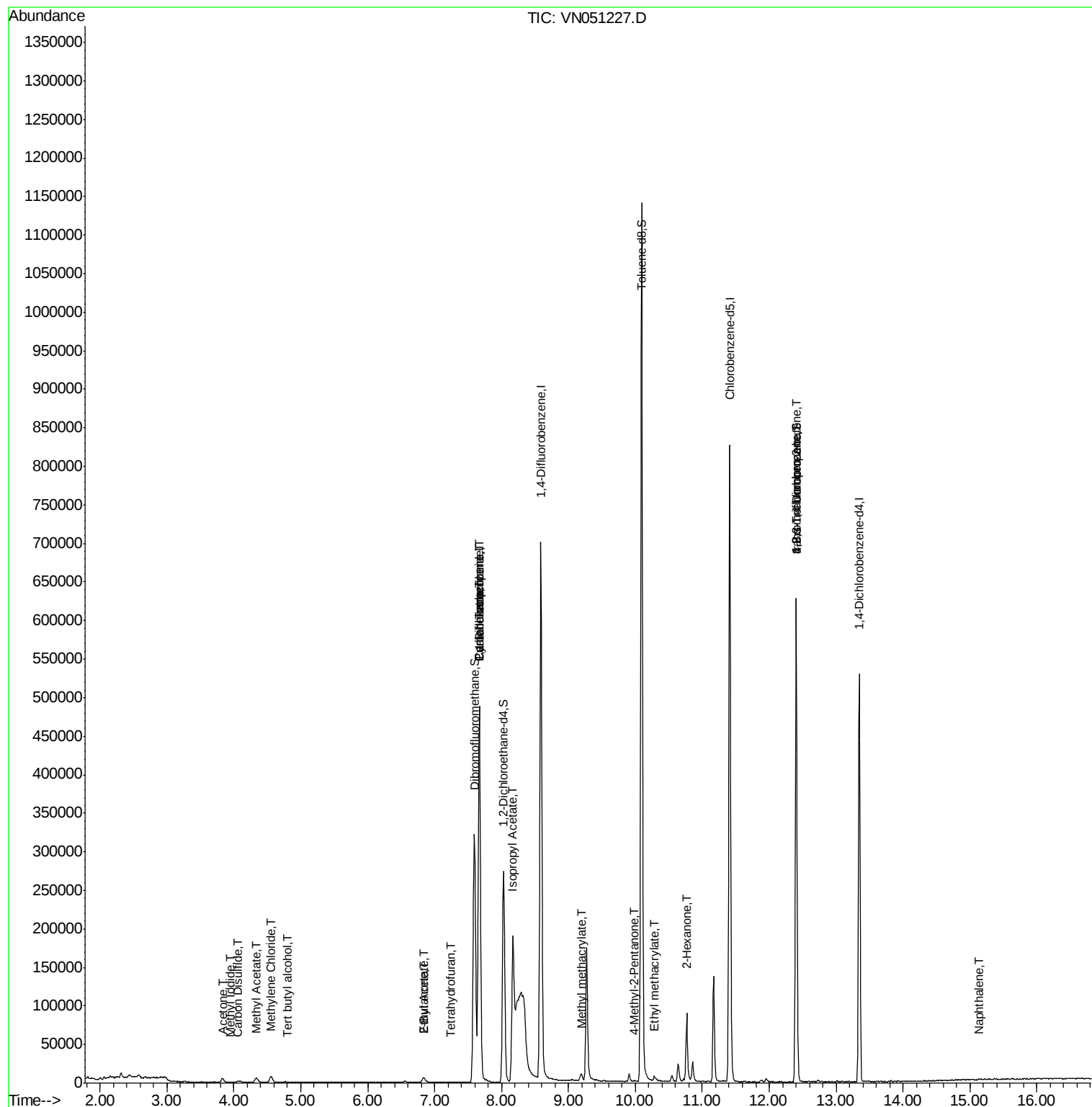
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1805	Below Cal		100
5) Bromomethane	2.58	94	1759	Below Cal		96
10) Methyl Iodide	3.96	142	329	5.69	ug/l #	44
11) Tert butyl alcohol	4.81	59	110	0.30	ug/l #	73
16) Acetone	3.83	43	8982	1.73	ug/l	98
17) Carbon Disulfide	4.05	76	1395	0.22	ug/l #	76
18) Methyl Acetate	4.33	43	11586	3.00	ug/l #	72
20) Methylene Chloride	4.55	84	6423	1.20	ug/l	90
25) 2-Butanone	6.84	43	4501	2.37	ug/l	92
29) Tetrahydrofuran	7.23	42	617	0.52	ug/l #	40
31) Cyclohexane	7.67	56	6854	0.64	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	27314	3.67	ug/l #	49
37) Ethyl Acetate	6.84	43	4501	1.05	ug/l #	66
38) Carbon Tetrachloride	7.67	117	37218	5.09	ug/l #	17
43) Isopropyl Acetate	8.17	43	230442	30.33	ug/l #	82
48) Methyl methacrylate	9.19	41	5902	1.59	ug/l #	15
51) 4-Methyl-2-Pentanone	9.99	43	1570	0.37	ug/l #	74
56) Ethyl methacrylate	10.28	69	61	2.46	ug/l #	1
59) 2-Hexanone	10.77	43	13369	4.69	ug/l	64
76) 1,2,3-Trichloropropane	12.40	75	101839	41.94	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	101839	124.18	ug/l #	15
95) Naphthalene	15.14	128	104	5.36	ug/l #	69

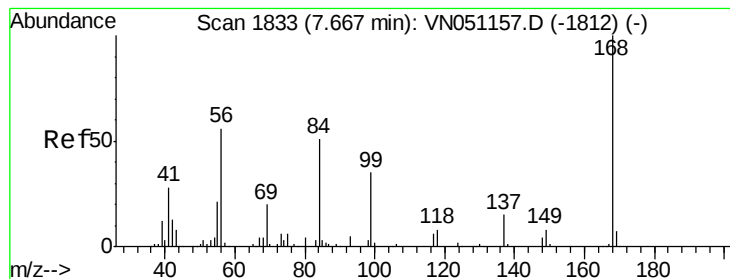
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
Data File : VN051227.D
Acq On : 15 Sep 2018 17:08
Operator : MD\SY
Sample : PB112879ZHE#08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 17 02:16:26 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

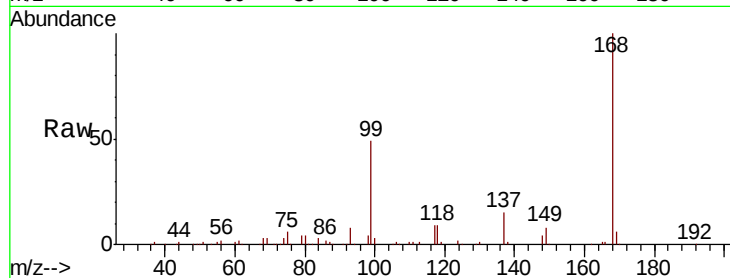
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 433792

Ion Ratio Lower Upper

168 100

99 48.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): VN051157.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN051157.D (-1812) (-)

7.67

200000

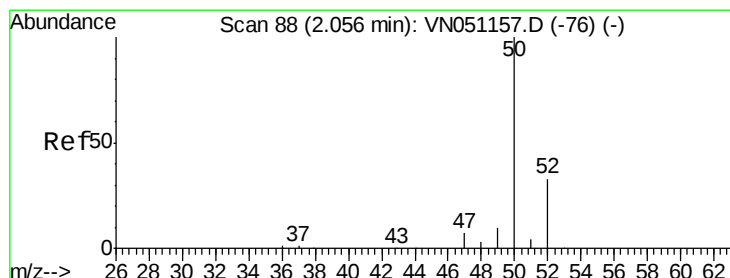
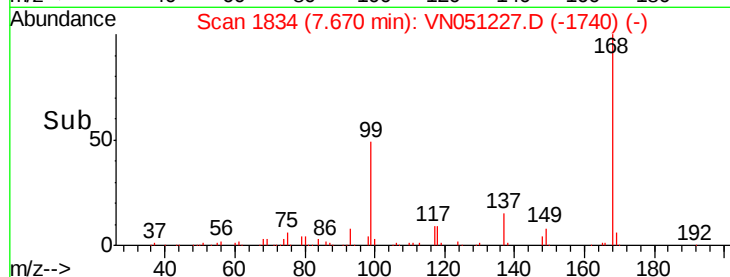
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051227.D

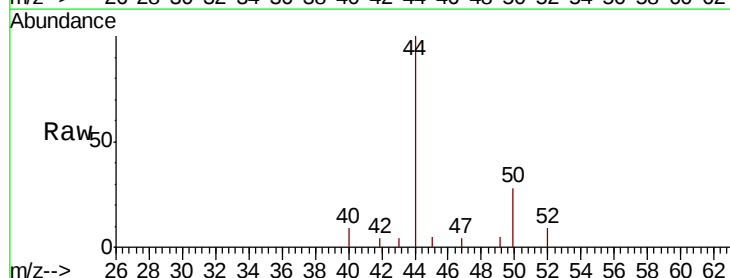
Acq: 15 Sep 2018 17:08

Tgt Ion: 50 Resp: 1805

Ion Ratio Lower Upper

50 100

52 32.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN051157.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN051157.D (-76) (-)

2.06

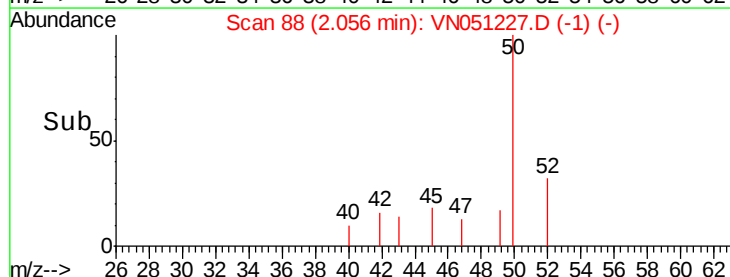
1500

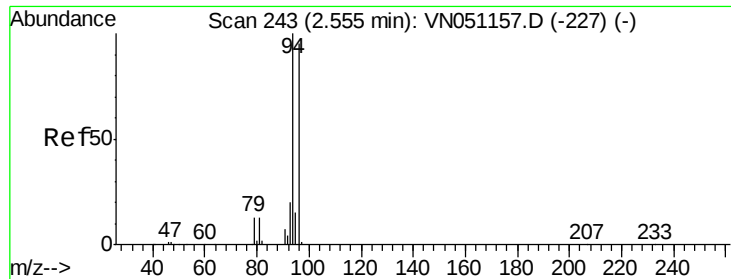
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

Instrument :

MSVOA_N

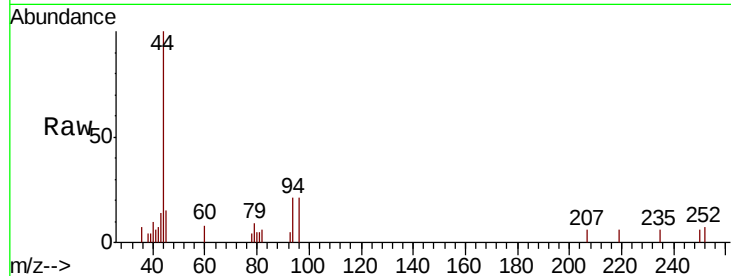
ClientSampled :

Tot Ion: 94 Resp: 1759

Ion Ratio Lower Upper

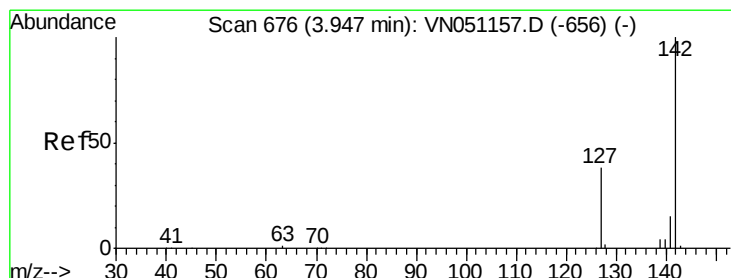
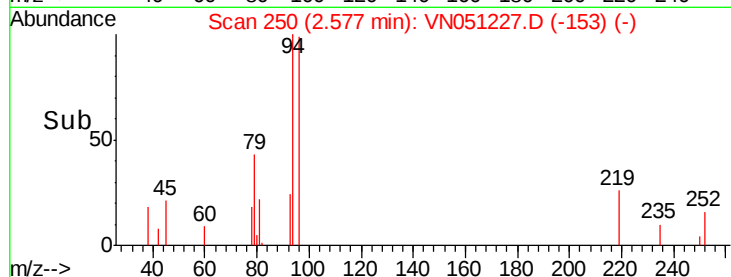
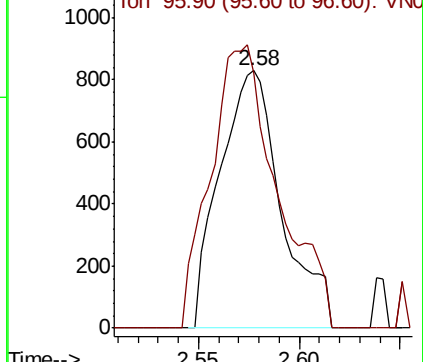
94 100

96 99.0 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN051157.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VN051157.D (-227) (-)



#10

Methyl Iodide

Concen: 5.69 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

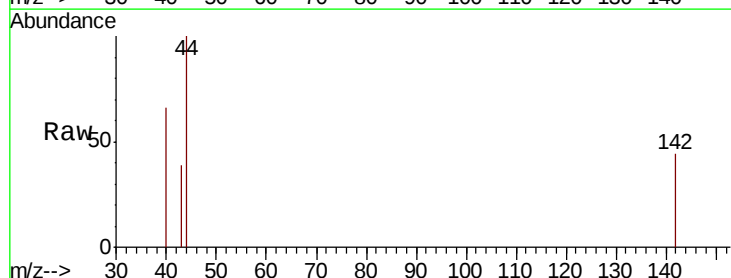
Tgt Ion: 142 Resp: 329

Ion Ratio Lower Upper

142 100

127 0.0 31.0 46.4#

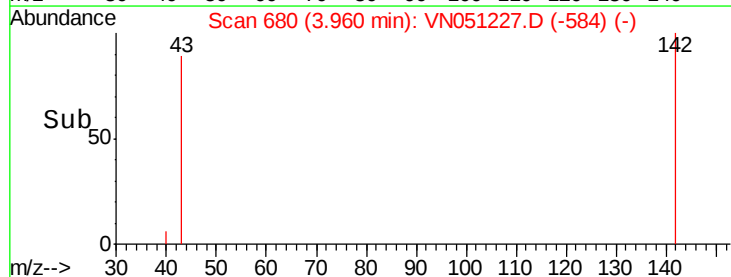
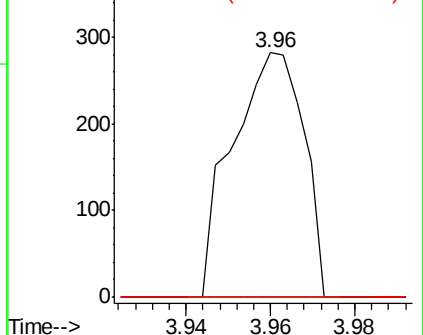
141 0.0 11.3 16.9#

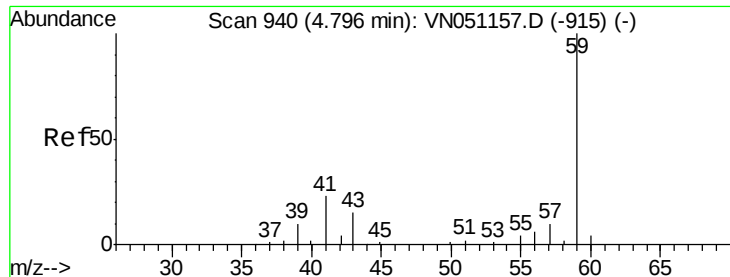


Abundance Ion 141.80 (141.50 to 142.50): VN051157.D (-656) (-)

Ion 126.80 (126.50 to 127.50): VN051157.D (-656) (-)

Ion 140.80 (140.50 to 141.50): VN051157.D (-656) (-)

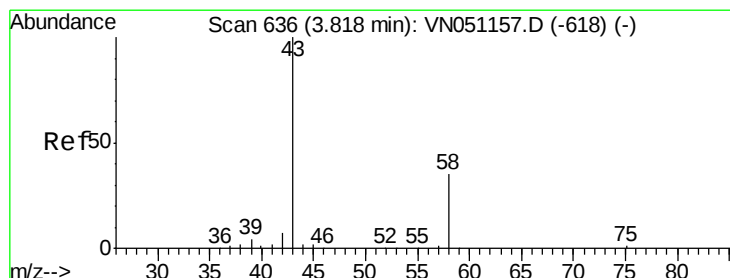
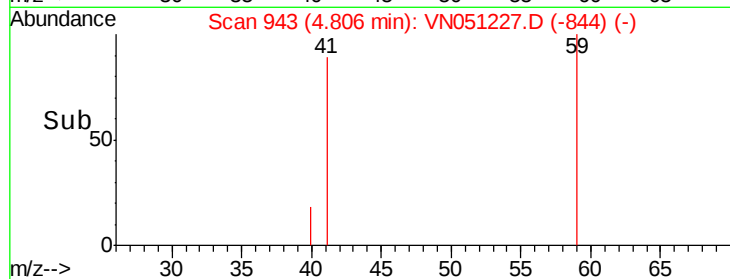
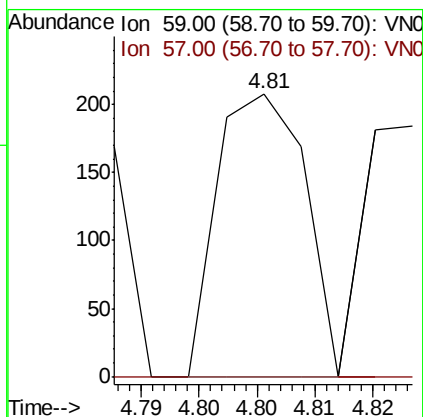
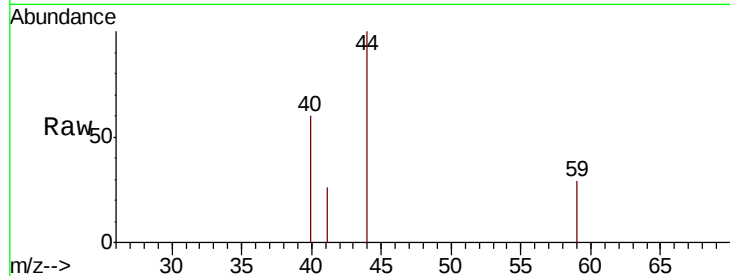




#11
Tert butyl alcohol
Concen: 0.30 ug/l
RT: 4.81 min Scan# 943
Delta R.T. 0.02 min
Lab File: VN051227.D
Acq: 15 Sep 2018 17:08

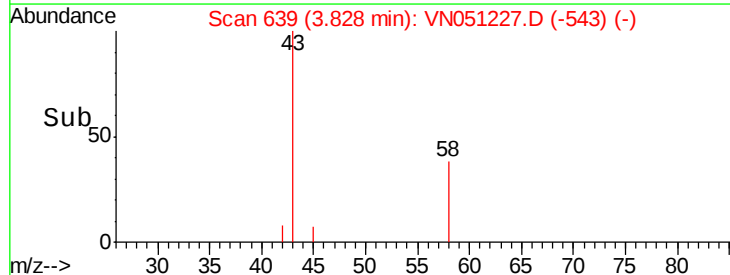
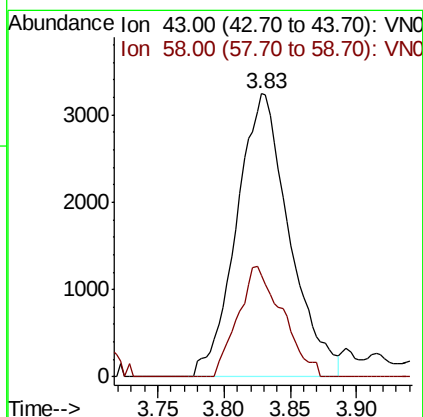
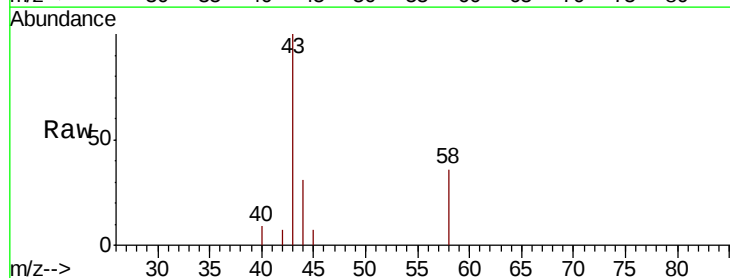
Instrument :
MSVOA_N
ClientSampled :

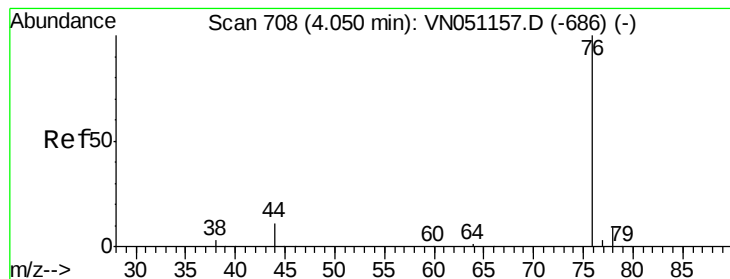
Tot Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 1.73 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051227.D
Acq: 15 Sep 2018 17:08

Tgt Ion: 43 Resp: 8982
Ion Ratio Lower Upper
43 100
58 35.7 27.8 41.6





#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

Instrument :

MSVOA_N

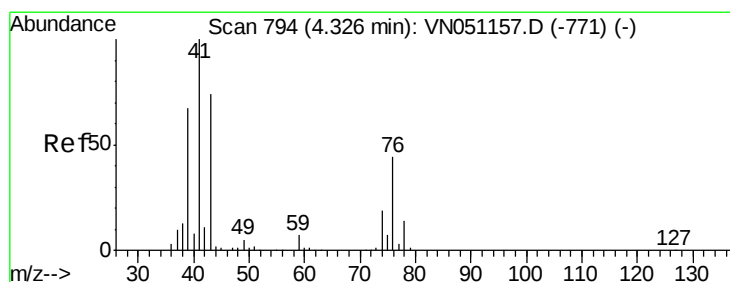
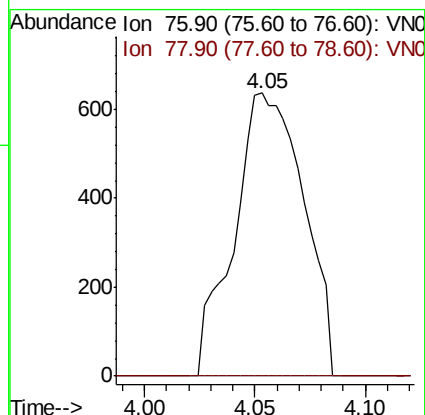
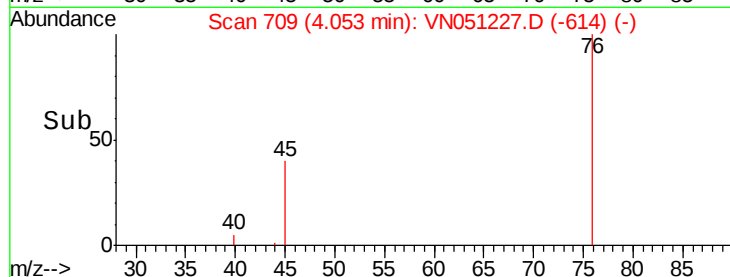
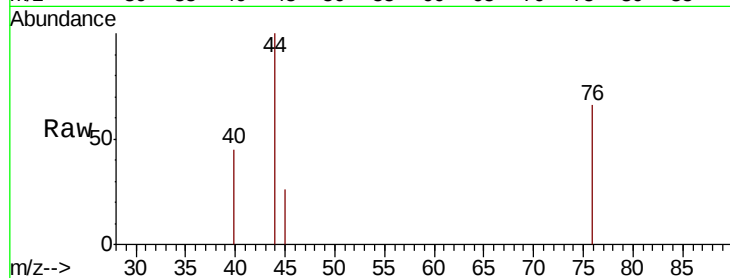
ClientSampled :

Tot Ion: 76 Resp: 1395

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 3.00 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051227.D

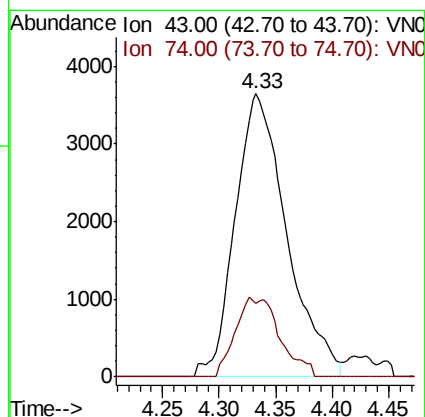
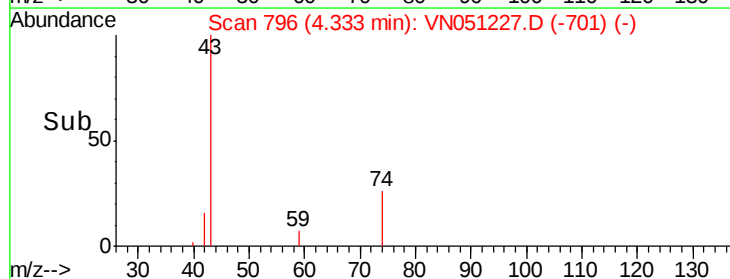
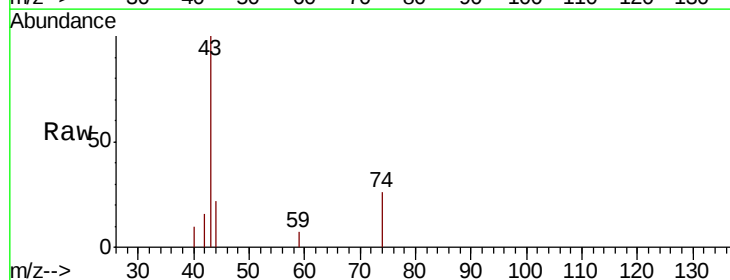
Acq: 15 Sep 2018 17:08

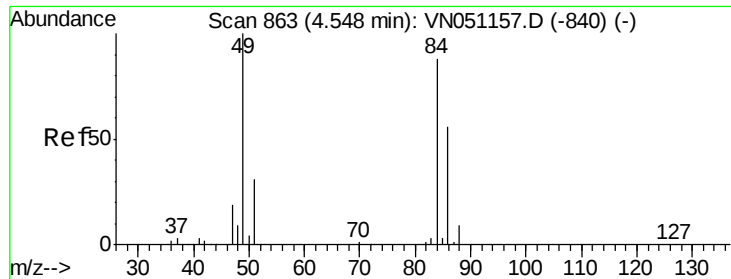
Tgt Ion: 43 Resp: 11586

Ion Ratio Lower Upper

43 100

74 11.7 20.7 31.1#

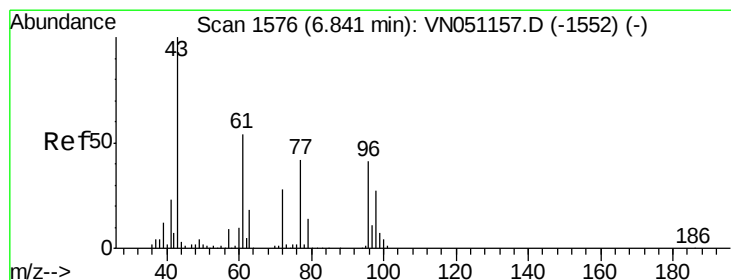
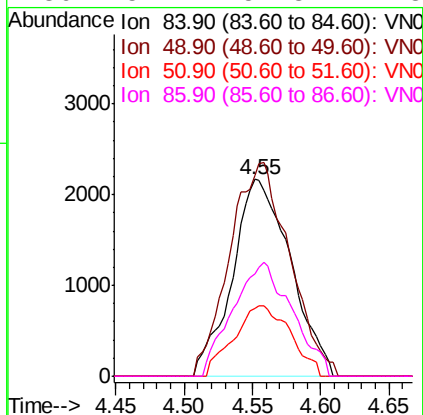
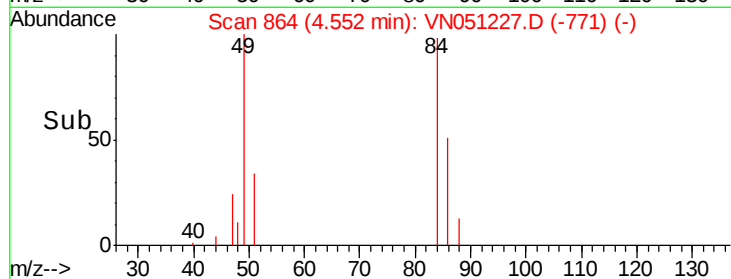
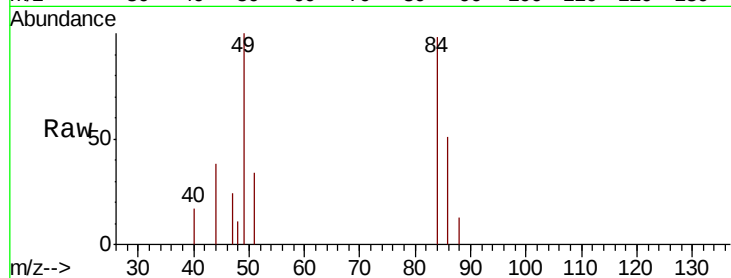




#20
Methylene Chloride
Concen: 1.20 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051227.D
Acq: 15 Sep 2018 17:08

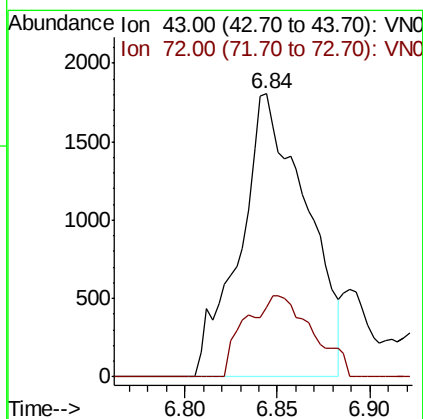
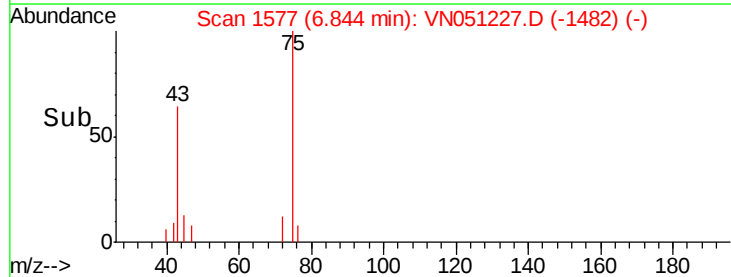
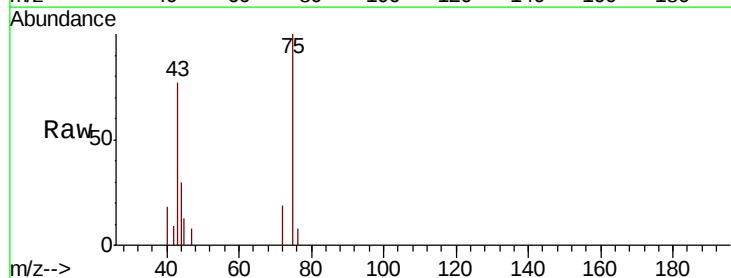
Instrument :
MSVOA_N
ClientSampled :

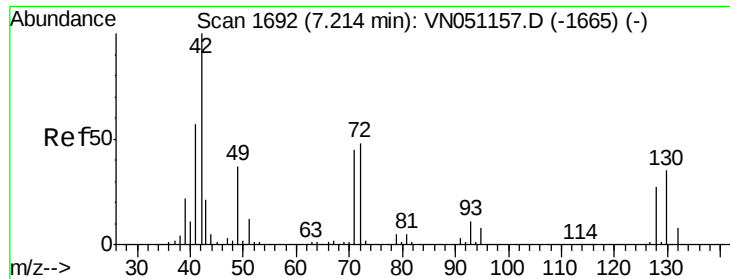
Tot Ion: 84 Resp: 6423
Ion Ratio Lower Upper
84 100
49 102.0 90.2 135.2
51 34.6 28.4 42.6
86 52.4 51.8 77.8



#25
2-Butanone
Concen: 2.37 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051227.D
Acq: 15 Sep 2018 17:08

Tgt Ion: 43 Resp: 4501
Ion Ratio Lower Upper
43 100
72 24.6 23.0 34.6





#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

Instrument :

MSVOA_N

ClientSampled :

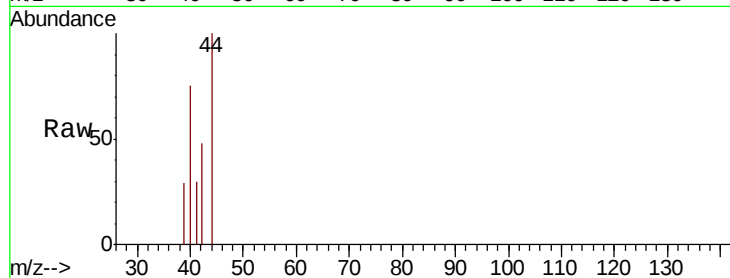
Tot Ion: 42 Resp: 617

Ion Ratio Lower Upper

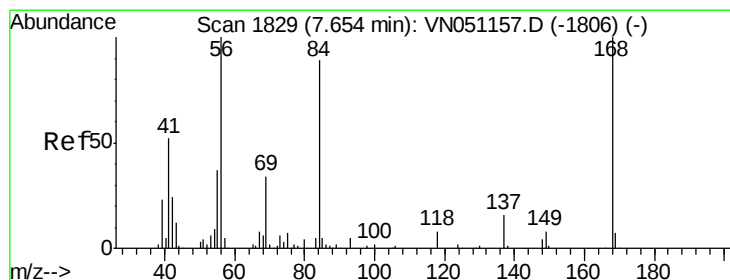
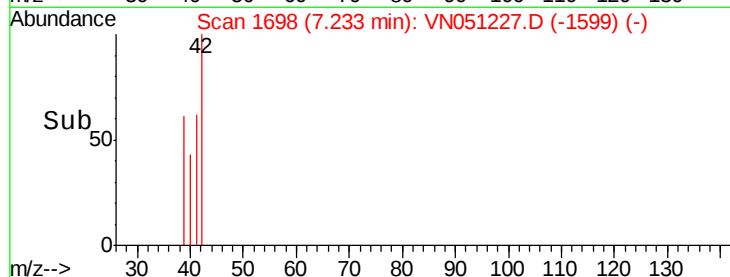
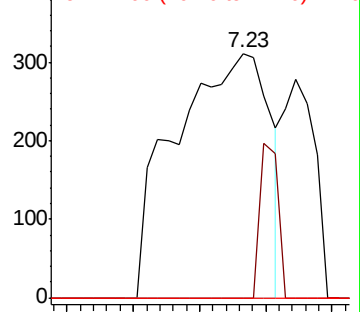
42 100

72 11.8 37.4 56.0#

71 0.0 34.7 52.1#



Abundance Ion 42.00 (41.70 to 42.70): VN051157.D (-1665) (-)



#31

Cyclohexane

Concen: 0.64 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

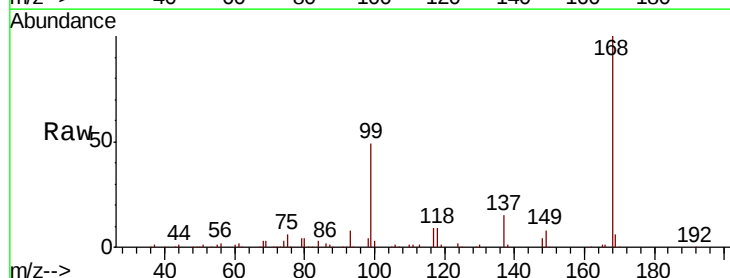
Tgt Ion: 56 Resp: 6854

Ion Ratio Lower Upper

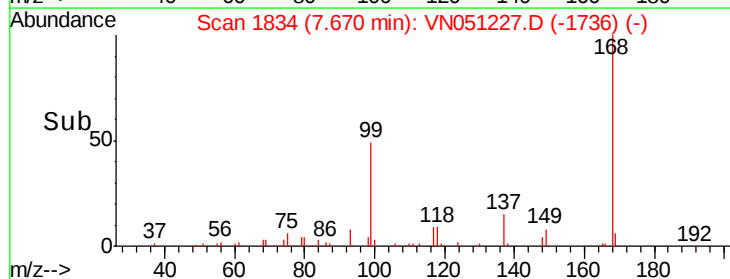
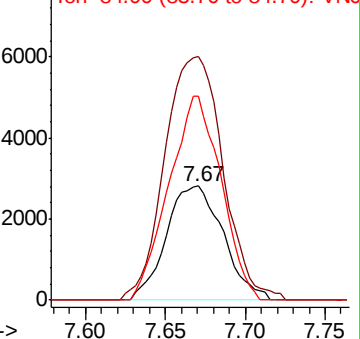
56 100

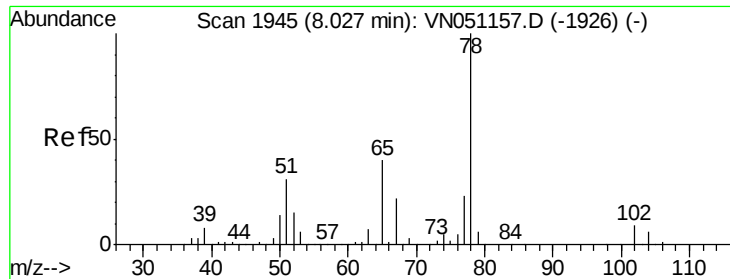
69 207.3 26.3 39.5#

84 178.3 69.4 104.0#



Abundance Ion 56.00 (55.70 to 56.70): VN051157.D (-1806) (-)

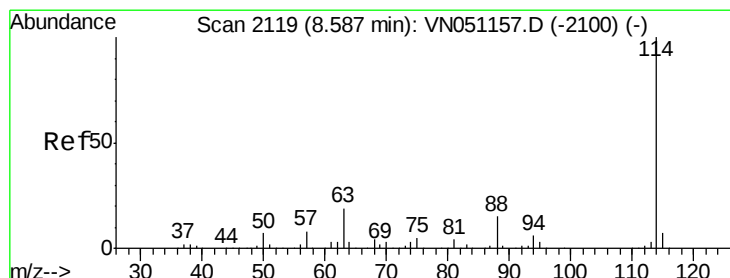
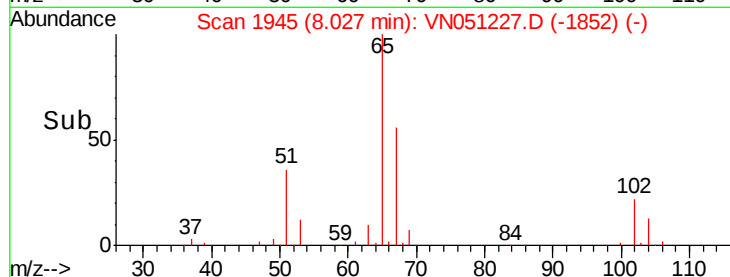
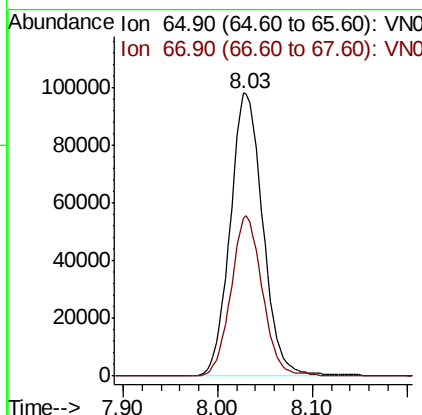
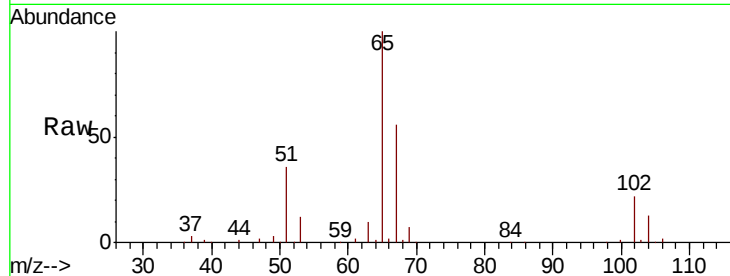




#33
 1,2-Dichloroethane-d4
 Concen: 48.75 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051227.D
 Acq: 15 Sep 2018 17:08

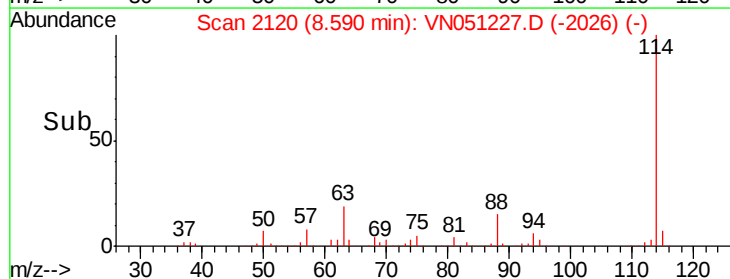
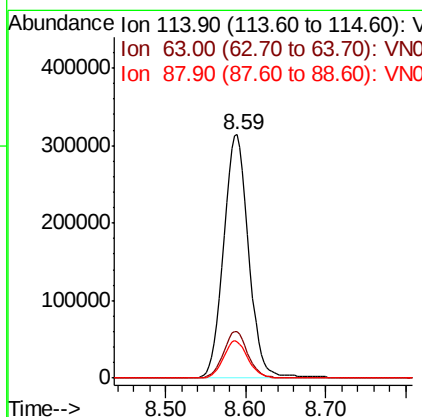
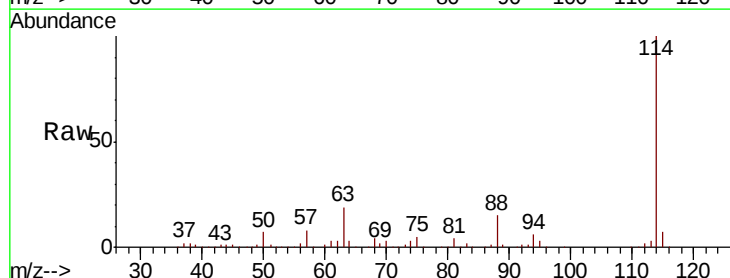
Instrument :
 MSVOA_N
 ClientSampled :

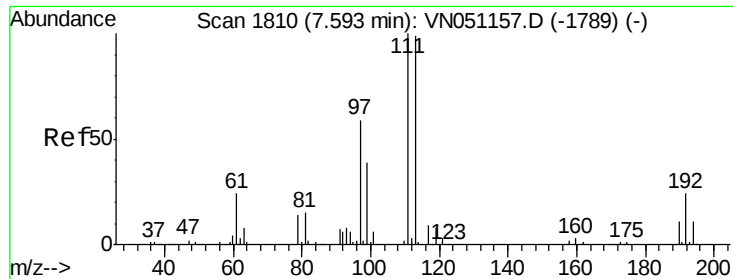
Tot Ion: 65 Resp: 235327
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051227.D
 Acq: 15 Sep 2018 17:08

Tgt Ion: 114 Resp: 677127
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.8
 88 14.9 0.0 30.8

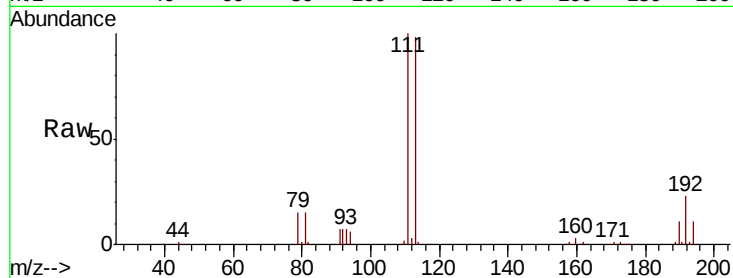




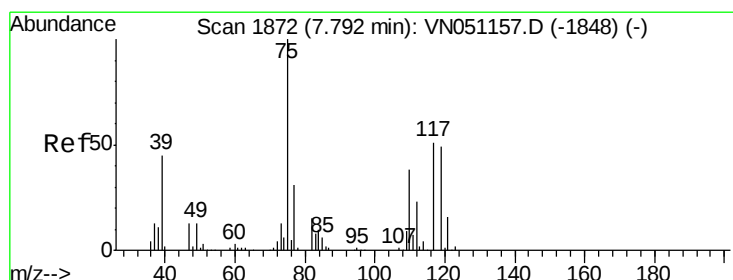
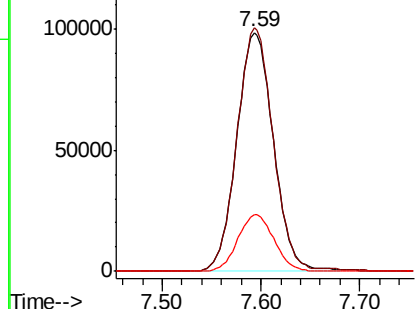
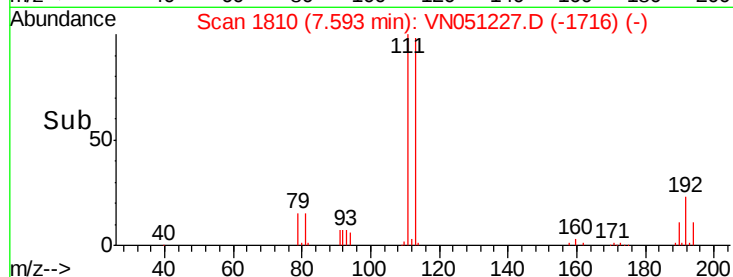
#35
 Dibromofluoromethane
 Concen: 49.96 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051227.D
 Acq: 15 Sep 2018 17:08

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.0	124.6
192	23.5	18.7	28.1

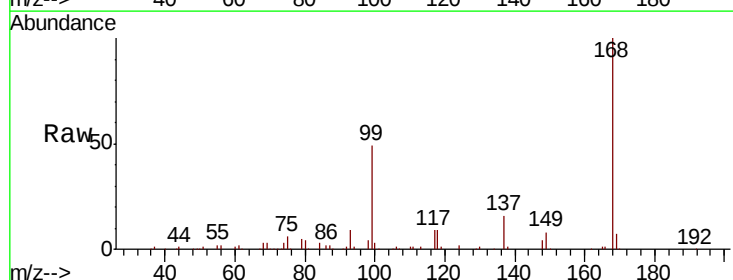


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

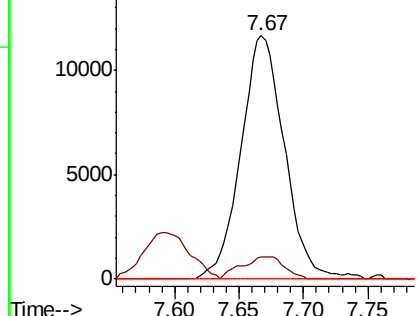
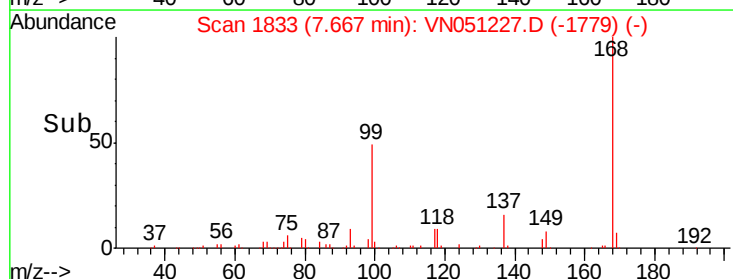


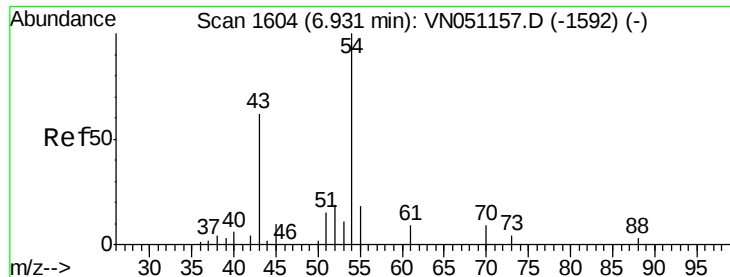
#36
 1,1-Dichloropropene
 Concen: 3.67 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051227.D
 Acq: 15 Sep 2018 17:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.6	55.8#
77	0.0	25.2	37.8#



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

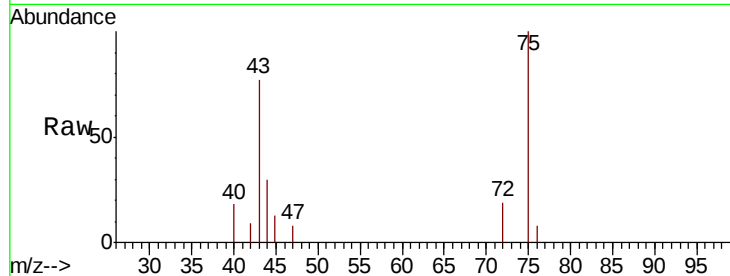




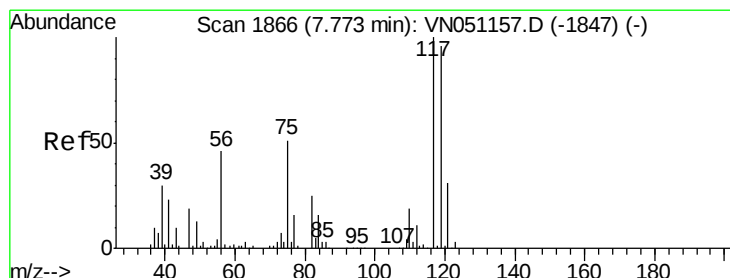
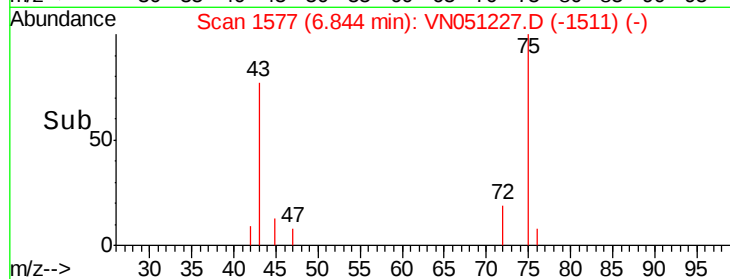
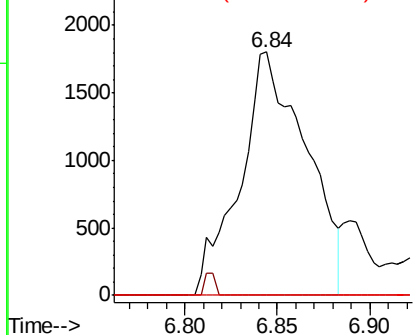
#37
Ethyl Acetate
Concen: 1.05 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.09 min
Lab File: VN051227.D
Acq: 15 Sep 2018 17:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4501
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 9.3 13.9#

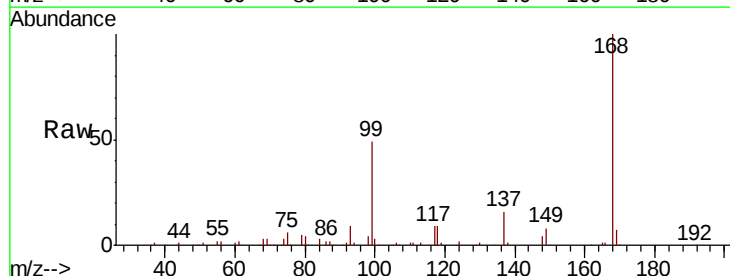


Abundance Ion 43.00 (42.70 to 43.70): VN051157.D
Ion 60.90 (60.60 to 61.60): VN051157.D
Ion 70.00 (69.70 to 70.70): VN051157.D

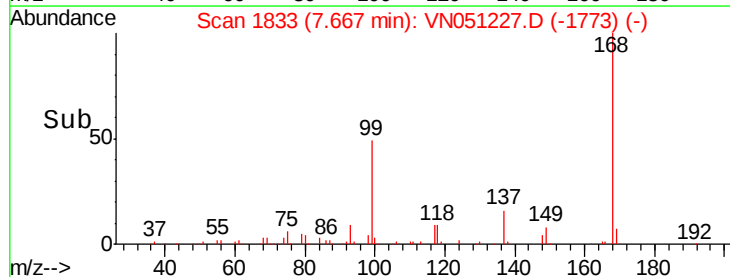
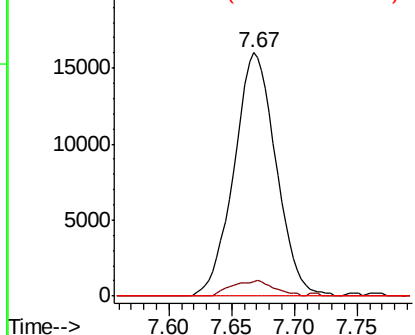


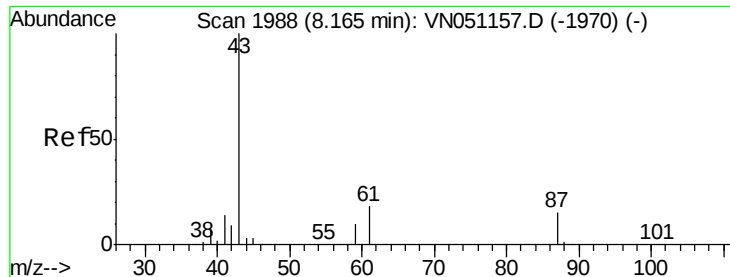
#38
Carbon Tetrachloride
Concen: 5.09 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051227.D
Acq: 15 Sep 2018 17:08

Tgt Ion: 117 Resp: 37218
Ion Ratio Lower Upper
117 100
119 5.9 76.8 115.2#
121 0.0 24.6 36.8#



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



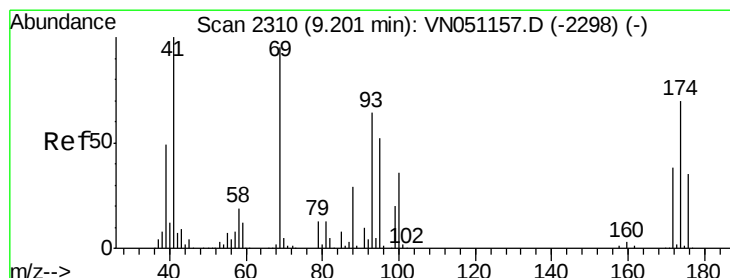
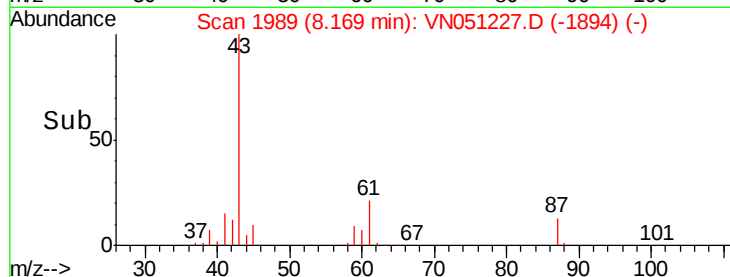
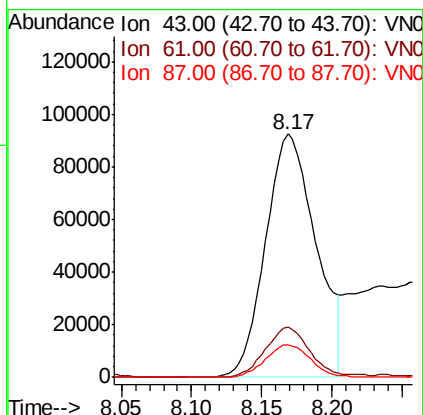
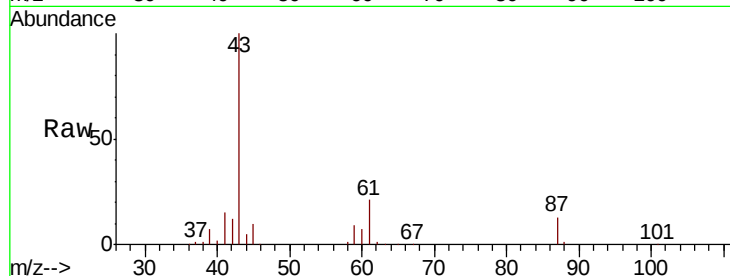


#43

Isopropyl Acetate
 Concen: 30.33 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: VN051227.D
 Acq: 15 Sep 2018 17:08

Instrument :
 MSVOA_N
 ClientSampled :

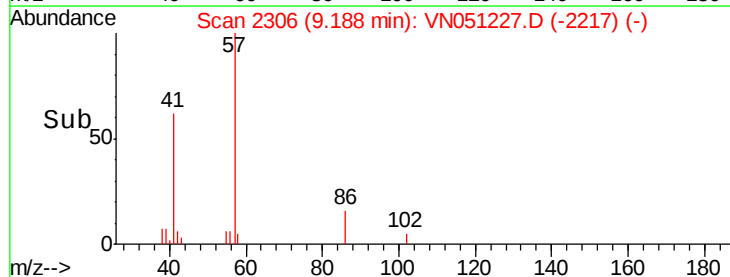
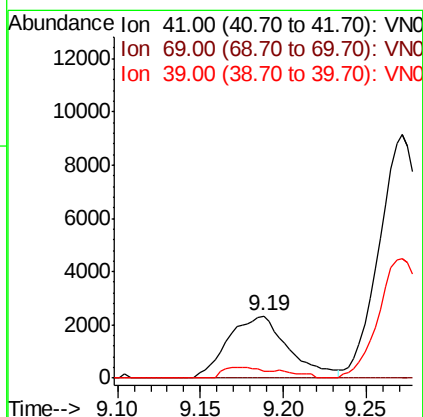
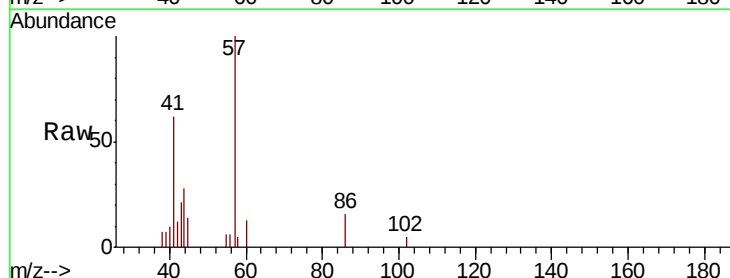
Tot Ion: 43 Resp: 230442
 Ion Ratio Lower Upper
 43 100
 61 18.4 25.0 37.6#
 87 12.0 11.8 17.8

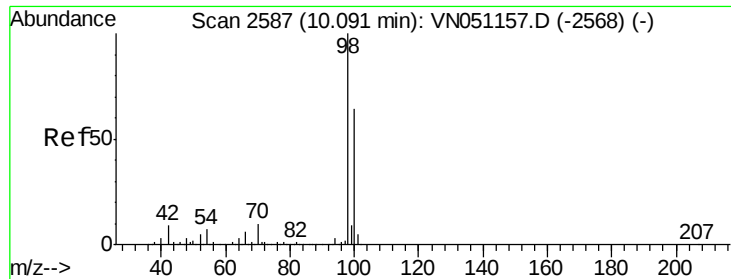


#48

Methyl methacrylate
 Concen: 1.59 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: VN051227.D
 Acq: 15 Sep 2018 17:08

Tgt Ion: 41 Resp: 5902
 Ion Ratio Lower Upper
 41 100
 69 0.0 77.7 116.5#
 39 11.3 41.6 62.4#





#50

Toluene-d8

Concen: 44.09 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

Instrument :

MSVOA_N

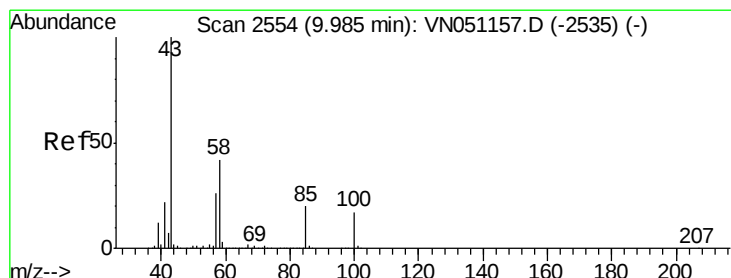
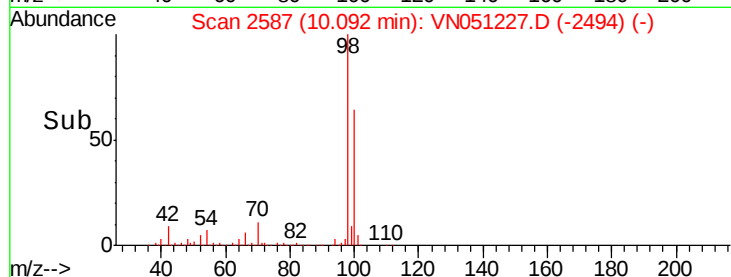
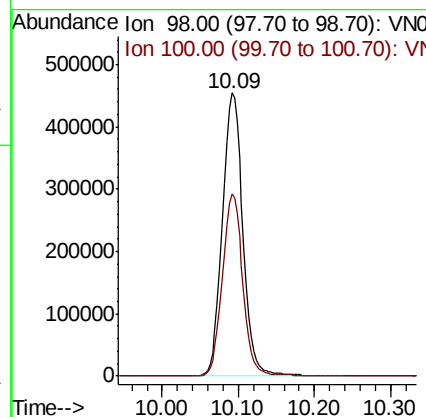
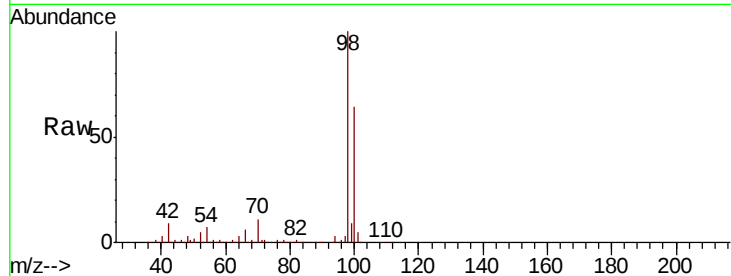
ClientSampleId :

Tot Ion: 98 Resp: 851316

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.37 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051227.D

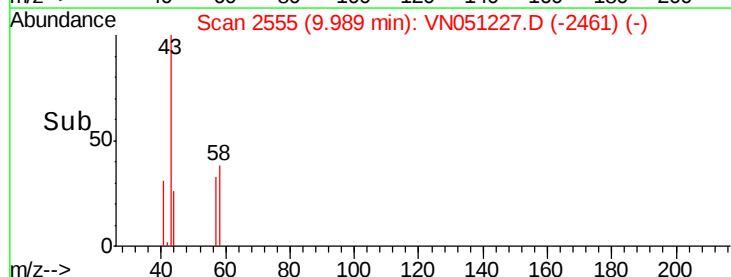
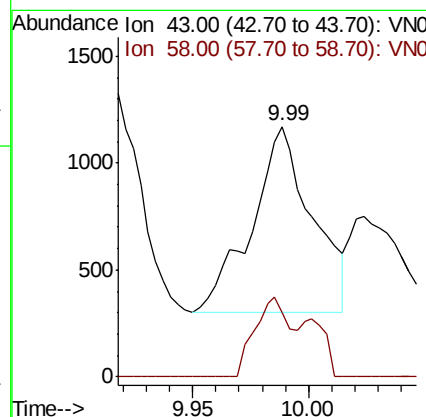
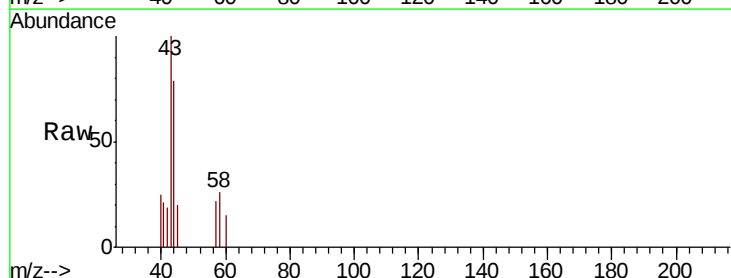
Acq: 15 Sep 2018 17:08

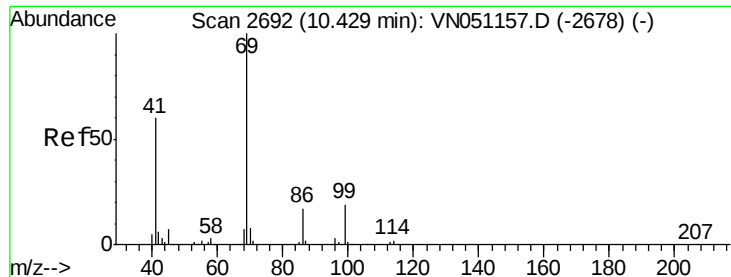
Tgt Ion: 43 Resp: 1570

Ion Ratio Lower Upper

43 100

58 25.5 33.5 50.3#





#56

Ethyl methacrylate

Concen: 2.46 ug/l

RT: 10.28 min Scan# 2647

Delta R.T. -0.14 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

Instrument :

MSVOA_N

ClientSampleId :

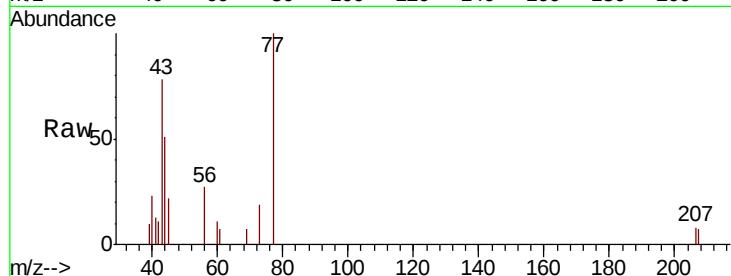
Tot Ion: 69 Resp: 61

Ion Ratio Lower Upper

69 100

41 463.9 47.8 71.8#

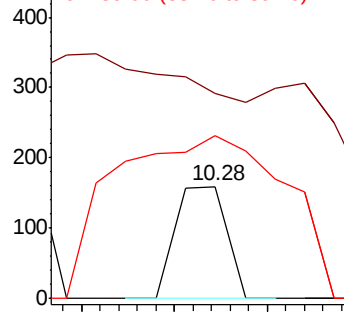
39 485.2 23.0 34.4#



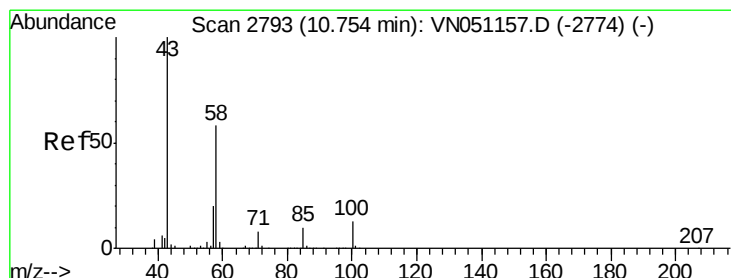
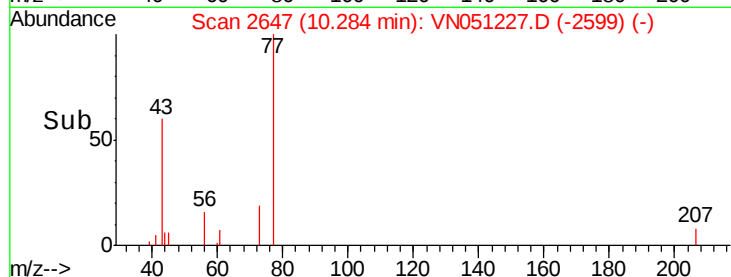
Abundance Ion 69.00 (68.70 to 69.70): VN051157.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN051157.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN051157.D (-2678) (-)



Time-->



#59

2-Hexanone

Concen: 4.69 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN051227.D

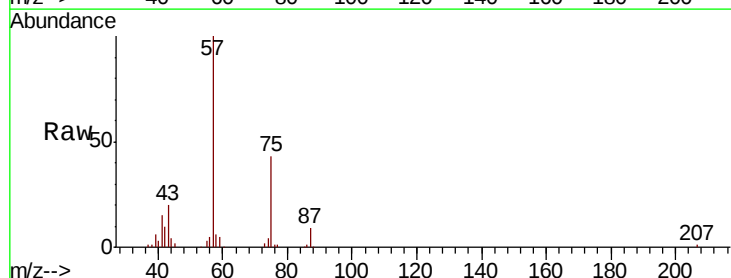
Acq: 15 Sep 2018 17:08

Tgt Ion: 43 Resp: 13369

Ion Ratio Lower Upper

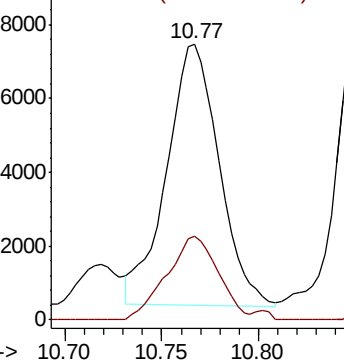
43 100

58 31.7 29.3 88.0

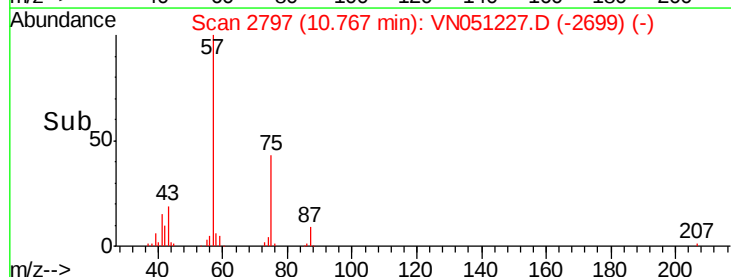


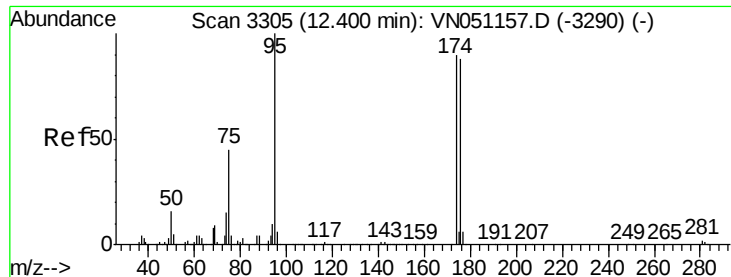
Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-2774) (-)

Ion 58.00 (57.70 to 58.70): VN051157.D (-2774) (-)



Time-->

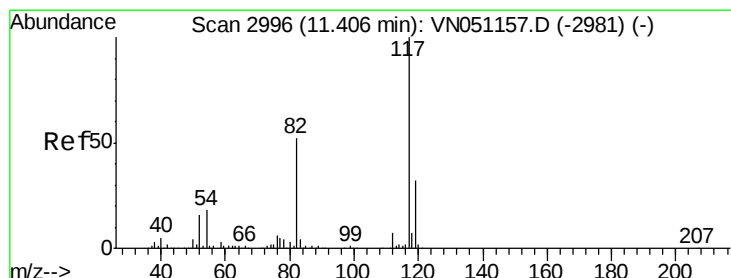
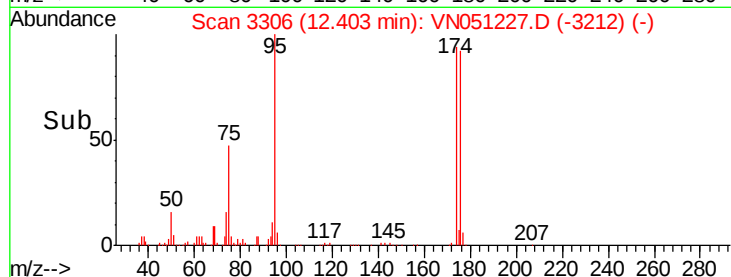
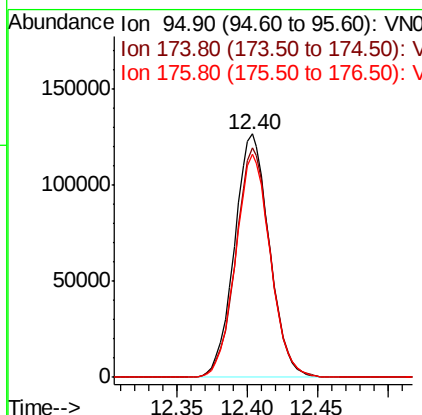
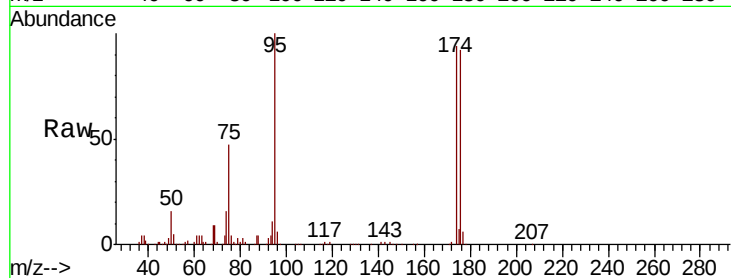




#62
4-Bromofluorobenzene
Concen: 34.32 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051227.D
Acq: 15 Sep 2018 17:08

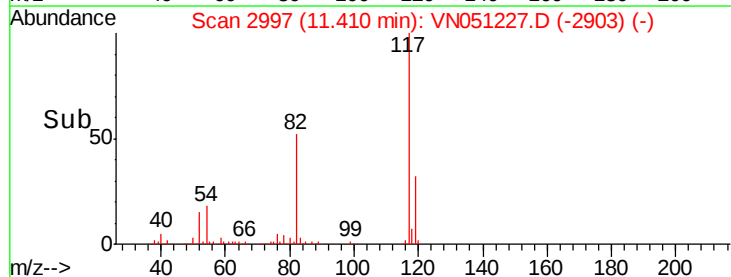
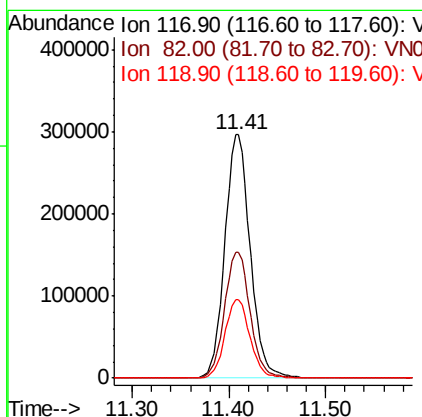
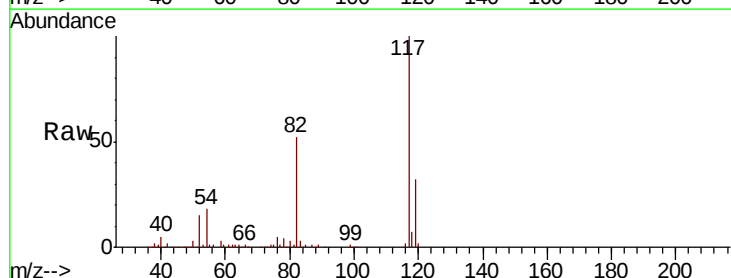
Instrument :
MSVOA_N
ClientSampleId :

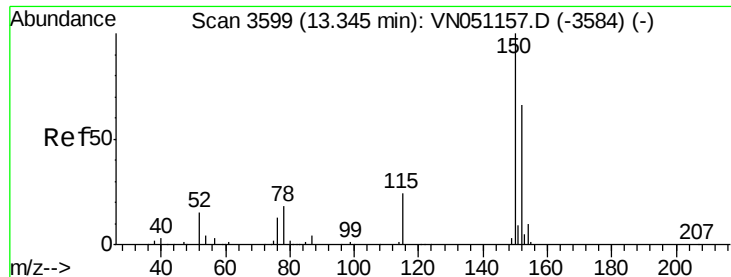
Tot Ion: 95 Resp: 219176
Ion Ratio Lower Upper
95 100
174 93.4 0.0 184.8
176 91.2 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051227.D
Acq: 15 Sep 2018 17:08

Tgt Ion: 117 Resp: 538819
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.6
119 32.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

Instrument :

MSVOA_N

ClientSampleId :

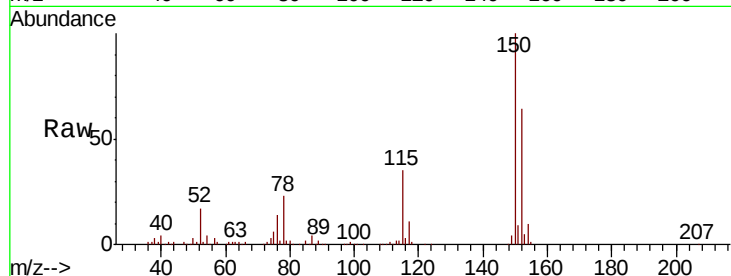
Tot Ion:152 Resp: 155745

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

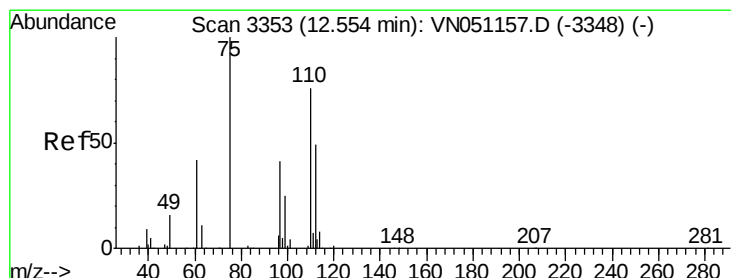
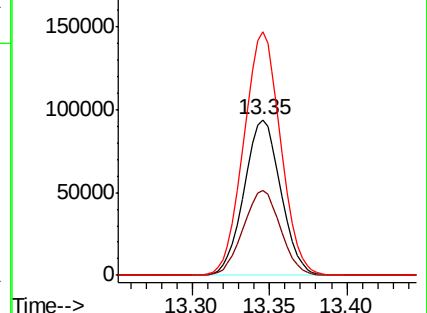
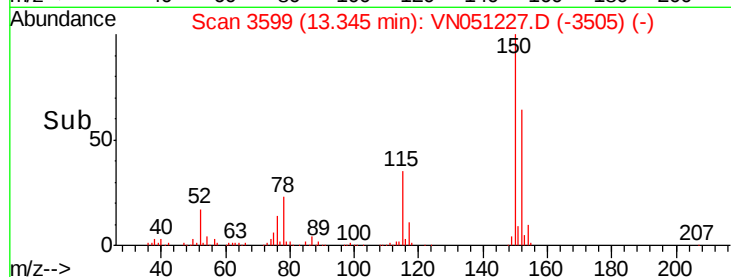
150 156.7 0.0 349.0



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: 41.94 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051227.D

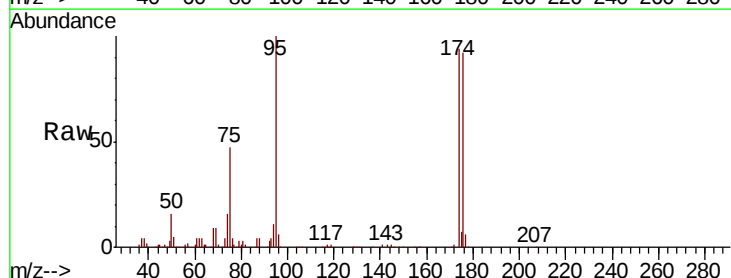
Acq: 15 Sep 2018 17:08

Tgt Ion: 75 Resp: 101839

Ion Ratio Lower Upper

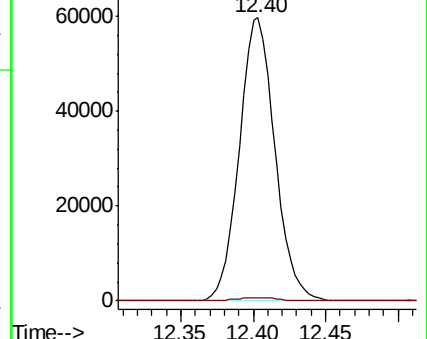
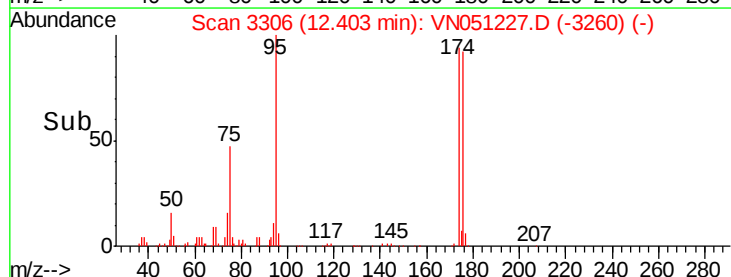
75 100

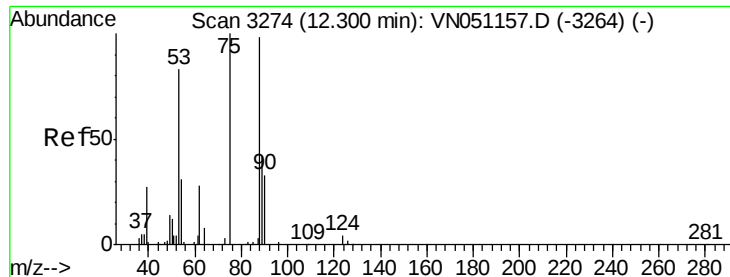
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 124.18 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

Instrument :

MSVOA_N

ClientSampleId :

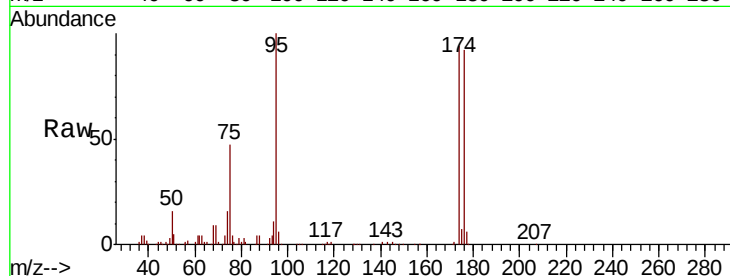
Tot Ion: 75 Resp: 101839

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

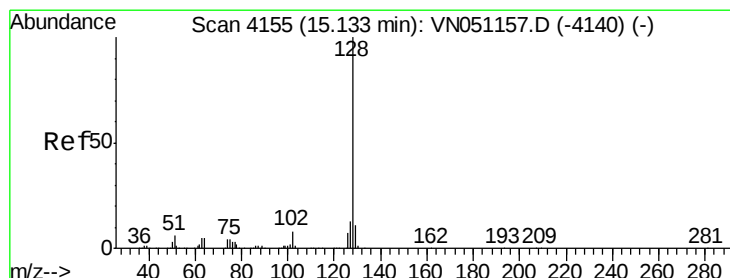
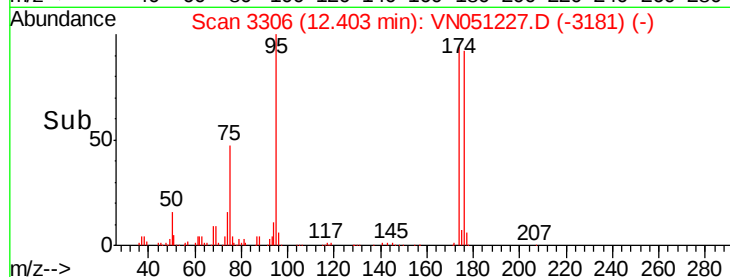
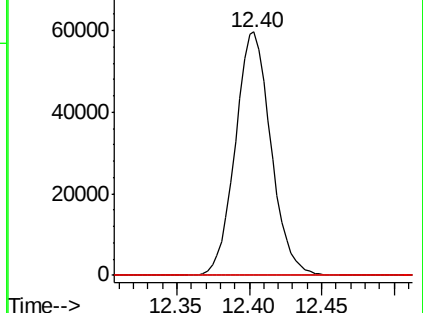
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051157.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN051157.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN051157.D (-3264) (-)



#95

Naphthalene

Concen: 5.36 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051227.D

Acq: 15 Sep 2018 17:08

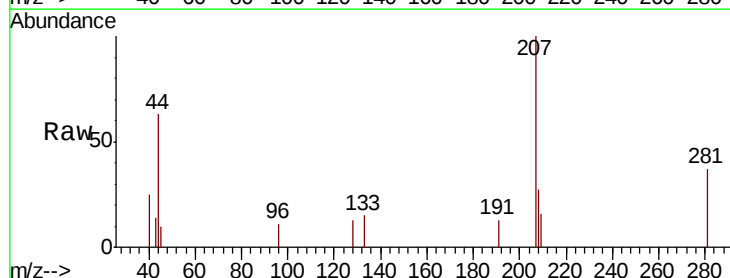
Tgt Ion: 128 Resp: 104

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN051157.D (-4140) (-)

Ion 127.00 (126.70 to 127.70): VN051157.D (-4140) (-)

Ion 129.00 (128.70 to 129.70): VN051157.D (-4140) (-)

