

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051331.D
 Acq On : 19 Sep 2018 20:10
 Operator : MD\SY
 Sample : PB112984ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:47:23 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	527848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	853596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	701759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	224988	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	312988	54.56	ug/l	0.00
Spiked Amount			Recovery	=	109.12%	
35) Dibromofluoromethane	7.59	113	313388	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	10.09	98	1115878	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
62) 4-Bromofluorobenzene	12.40	95	292919	37.56	ug/l	0.00
Spiked Amount			Recovery	=	75.12%	

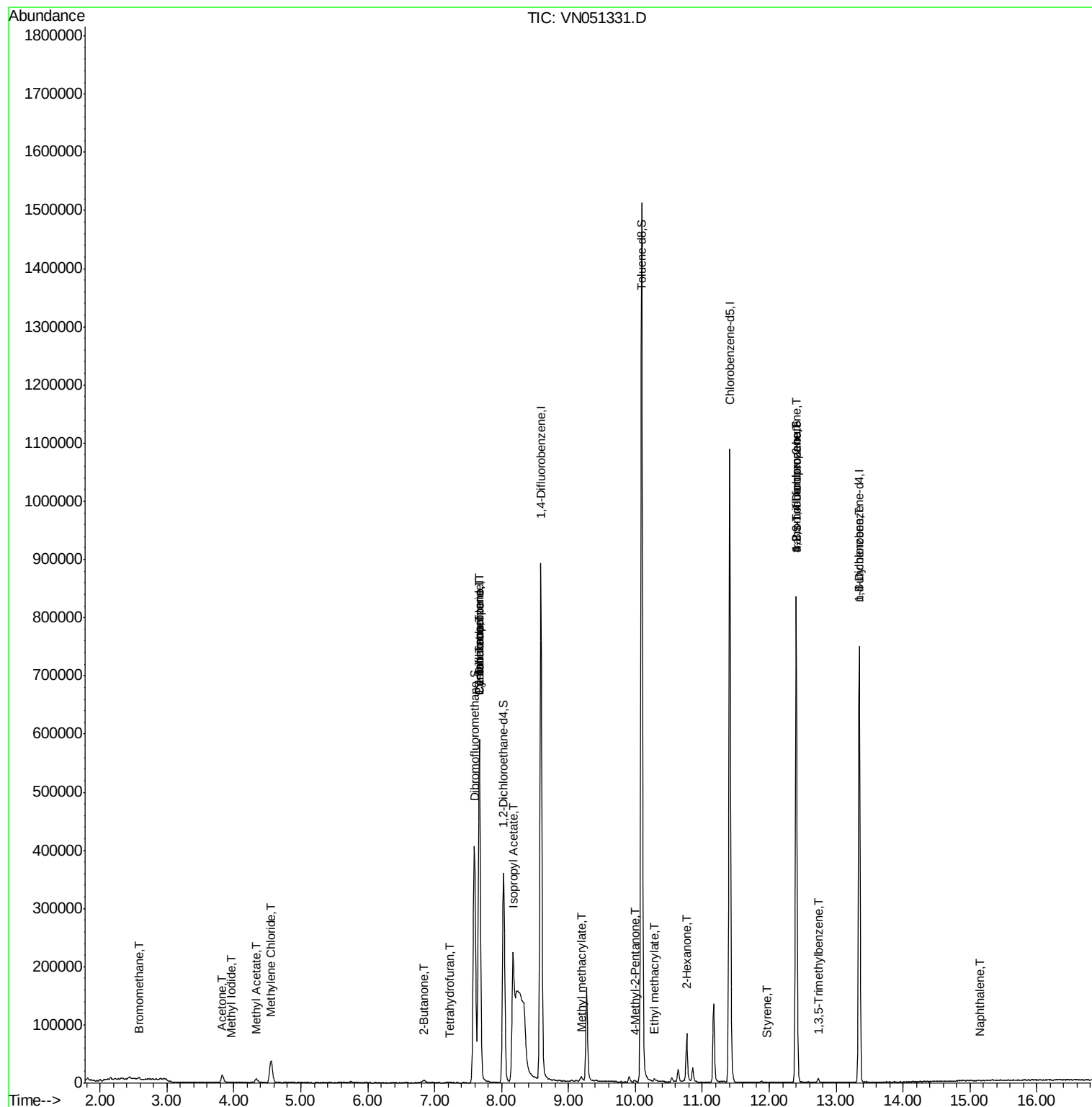
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1333	Below Cal		98
5) Bromomethane	2.57	94	1766	0.96	ug/l	84
10) Methyl Iodide	3.96	142	171	6.14	ug/l #	43
16) Acetone	3.82	43	22005	7.67	ug/l	89
17) Carbon Disulfide	4.05	76	372	Below Cal	#	75
18) Methyl Acetate	4.34	43	13067	2.65	ug/l #	79
20) Methylene Chloride	4.55	84	31264	4.98	ug/l	95
25) 2-Butanone	6.84	43	1866	1.02	ug/l	99
29) Tetrahydrofuran	7.22	42	237	0.21	ug/l #	83
31) Cyclohexane	7.66	56	8191	0.82	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	32419	3.51	ug/l #	48
38) Carbon Tetrachloride	7.67	117	43681	4.53	ug/l #	17
43) Isopropyl Acetate	8.17	43	264086	32.13	ug/l #	90
48) Methyl methacrylate	9.18	41	5391	1.36	ug/l #	15
51) 4-Methyl-2-Pentanone	9.99	43	2006	0.47	ug/l	95
56) Ethyl methacrylate	10.28	69	60	2.07	ug/l #	1
59) 2-Hexanone	10.77	43	12186	4.36	ug/l #	56
70) Styrene	11.96	104	215	1.26	ug/l #	26
76) 1,2,3-Trichloropropane	12.40	75	135254	43.62	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3072	0.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	135254	133.52	ug/l #	15
89) n-Butylbenzene	13.35	91	352	2.05	ug/l #	46
95) Naphthalene	15.14	128	62	5.93	ug/l #	69

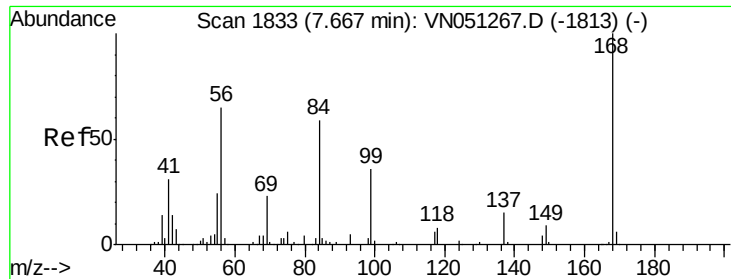
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051331.D

Acq: 19 Sep 2018 20:10

Instrument :

MSVOA_N

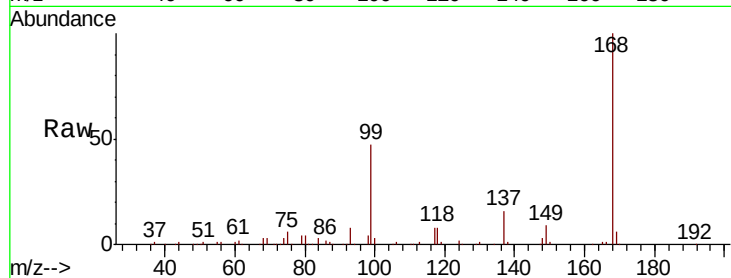
ClientSampleId :

Tot Ion:168 Resp: 527848

Ion Ratio Lower Upper

168 100

99 46.8 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): VN051267.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051267.D (-1813) (-)

7.67

250000

200000

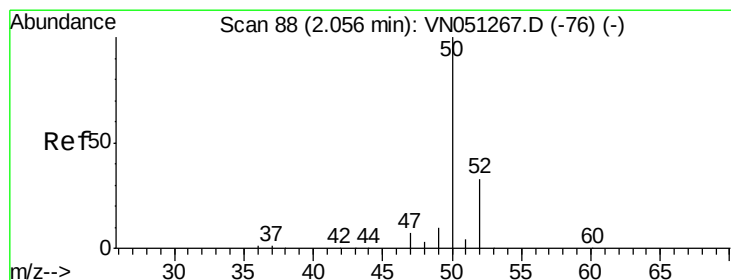
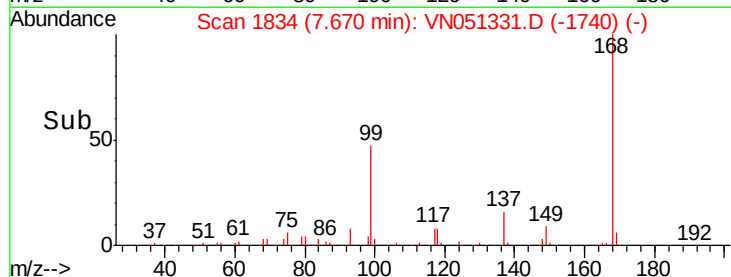
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051331.D

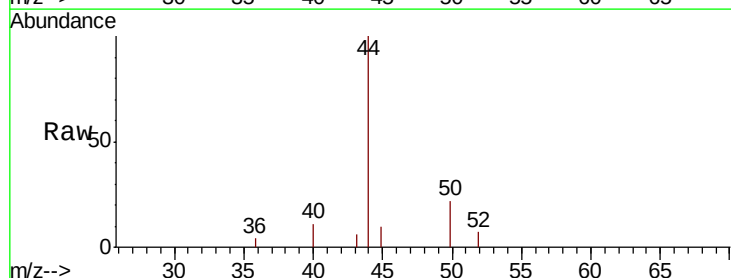
Acq: 19 Sep 2018 20:10

Tgt Ion: 50 Resp: 1333

Ion Ratio Lower Upper

50 100

52 32.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN051267.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN051267.D (-76) (-)

2.06

1000

800

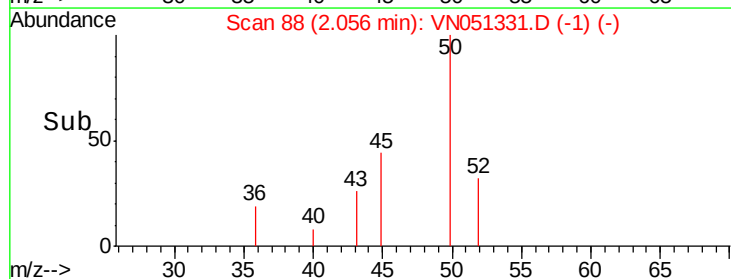
600

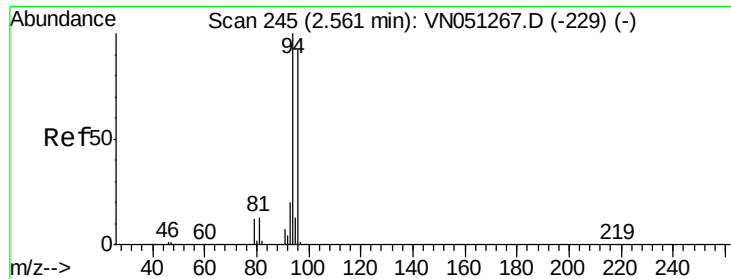
400

200

0

Time-->





#5

Bromomethane

Concen: 0.96 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051331.D

Acq: 19 Sep 2018 20:10

Instrument :

MSVOA_N

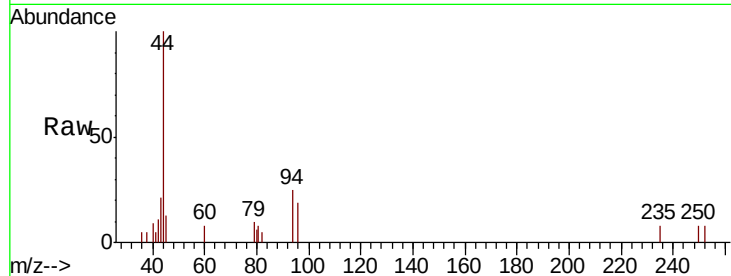
ClientSampled :

Tot Ion: 94 Resp: 1766

Ion Ratio Lower Upper

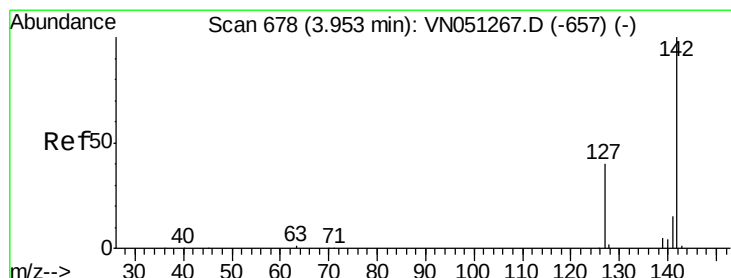
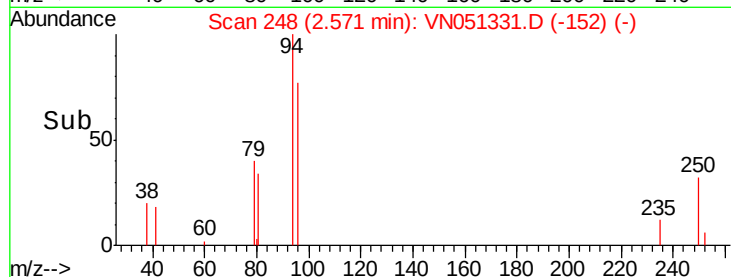
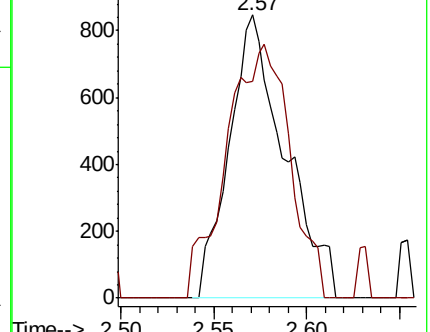
94 100

96 76.7 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051267.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051267.D (-229) (-)



#10

Methyl Iodide

Concen: 6.14 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051331.D

Acq: 19 Sep 2018 20:10

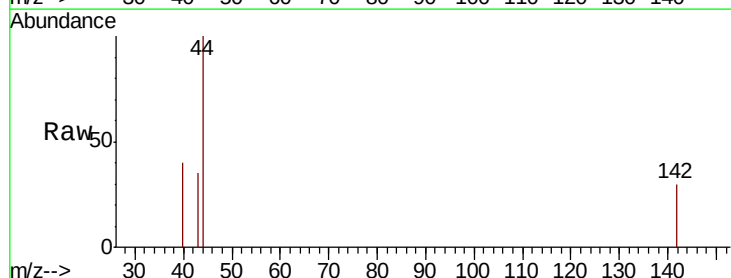
Tgt Ion: 142 Resp: 171

Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

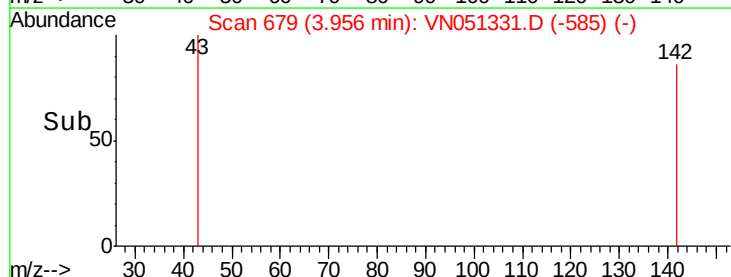
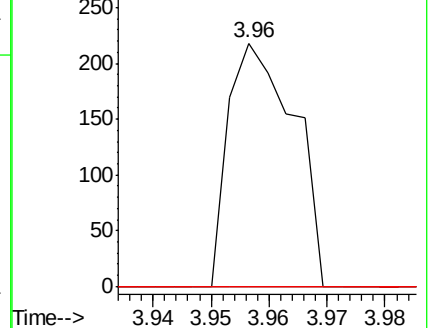
141 0.0 11.6 17.4#

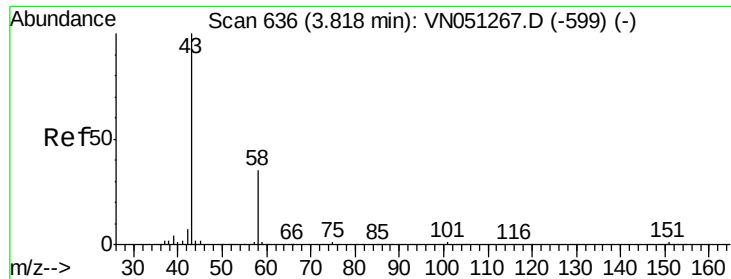


Abundance Ion 141.80 (141.50 to 142.50): VN051267.D (-657) (-)

Ion 126.80 (126.50 to 127.50): VN051267.D (-657) (-)

Ion 140.80 (140.50 to 141.50): VN051267.D (-657) (-)





#16

Acetone

Concen: 7.67 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051331.D

Acq: 19 Sep 2018 20:10

Instrument :

MSVOA_N

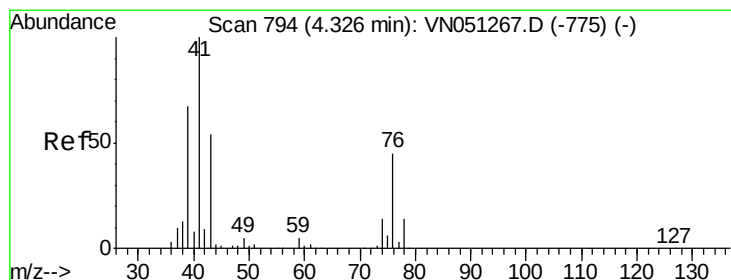
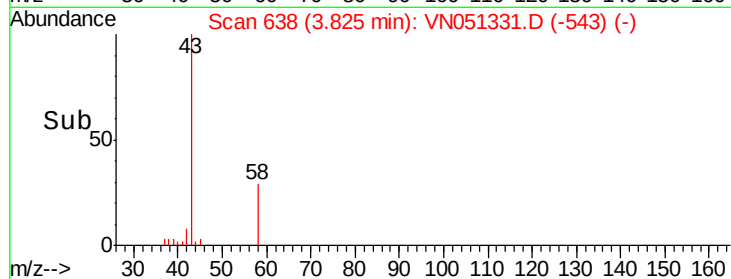
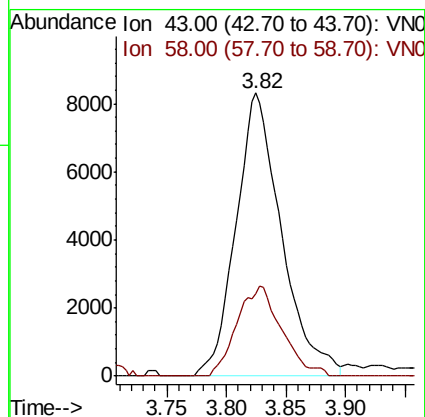
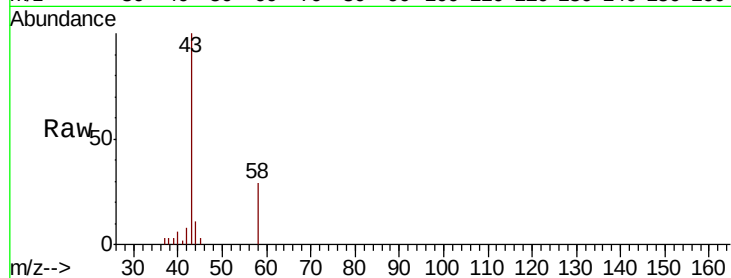
ClientSampled :

Tot Ion: 43 Resp: 22005

Ion Ratio Lower Upper

43 100

58 28.9 28.2 42.2



#18

Methyl Acetate

Concen: 2.65 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051331.D

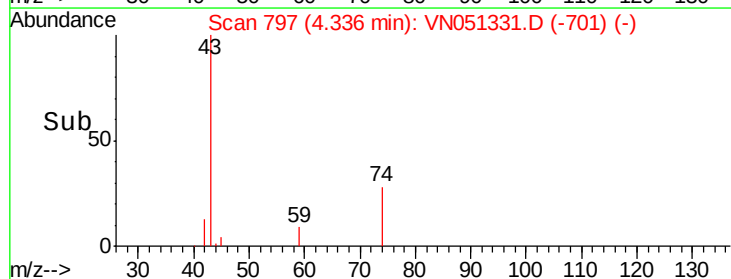
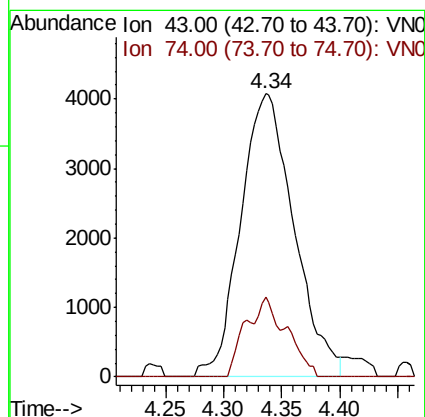
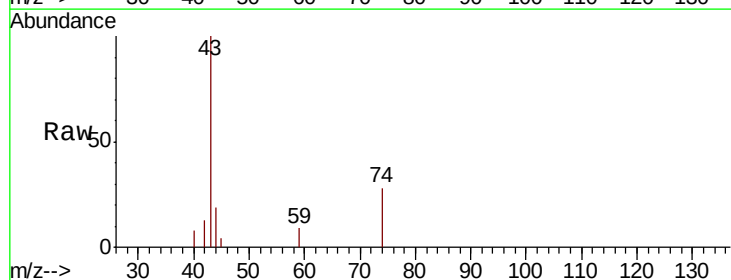
Acq: 19 Sep 2018 20:10

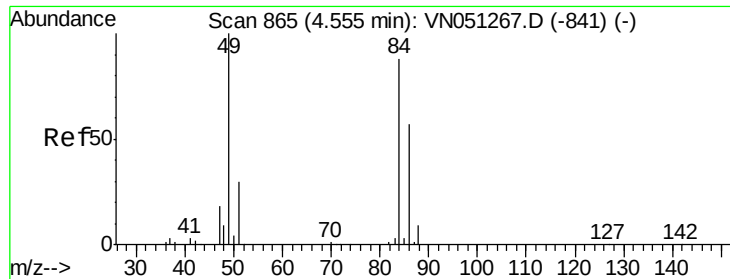
Tgt Ion: 43 Resp: 13067

Ion Ratio Lower Upper

43 100

74 15.1 20.8 31.2#

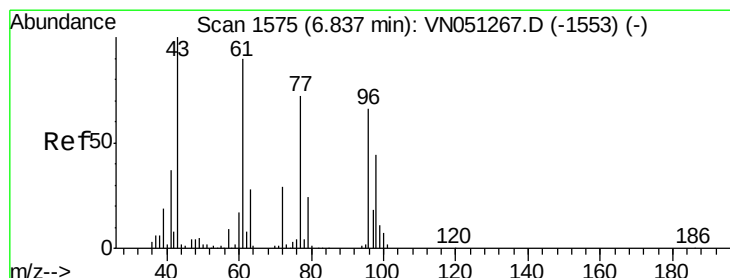
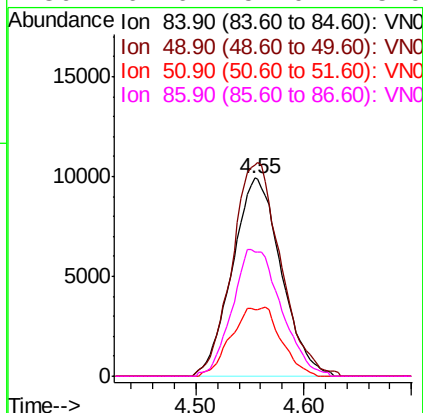
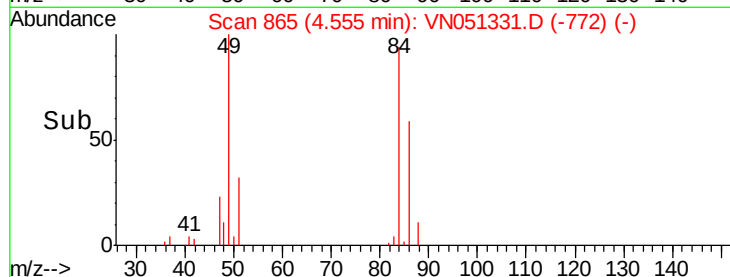
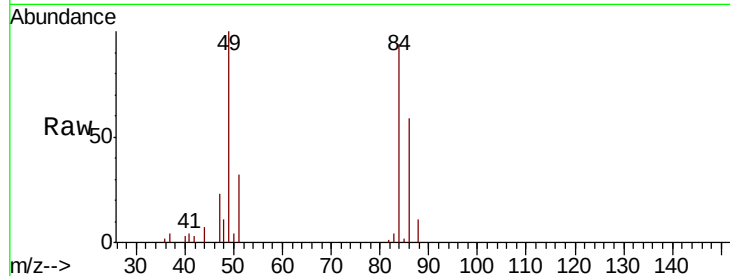




#20
Methvlene Chloride
Concen: 4.98 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051331.D
Acq: 19 Sep 2018 20:10

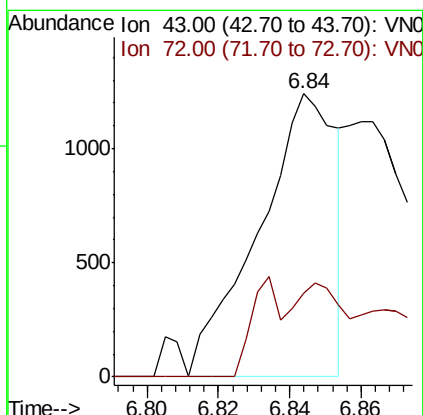
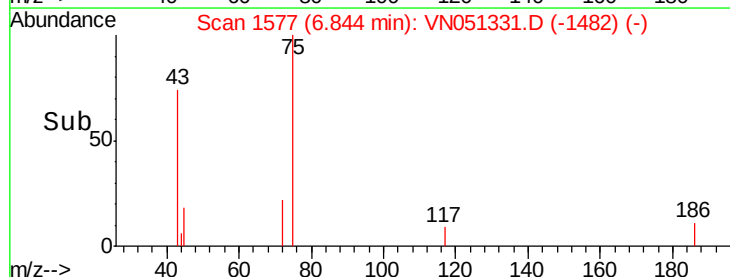
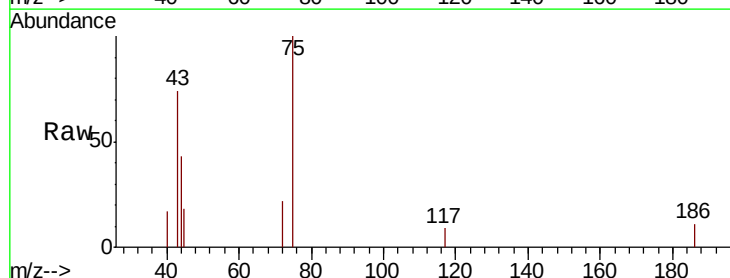
Instrument :
MSVOA_N
ClientSampleId :

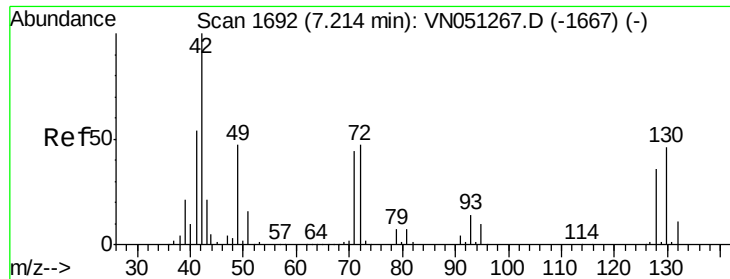
Tot Ion:	84	Resp:	31264
Ion	Ratio	Lower	Upper
84	100		
49	106.6	91.2	136.8
51	33.7	27.7	41.5
86	62.6	52.0	78.0



#25
2-Butanone
Concen: 1.02 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051331.D
Acq: 19 Sep 2018 20:10

Tgt Ion:	43	Resp:	1866
Ion	Ratio	Lower	Upper
43	100		
72	29.6	23.4	35.0

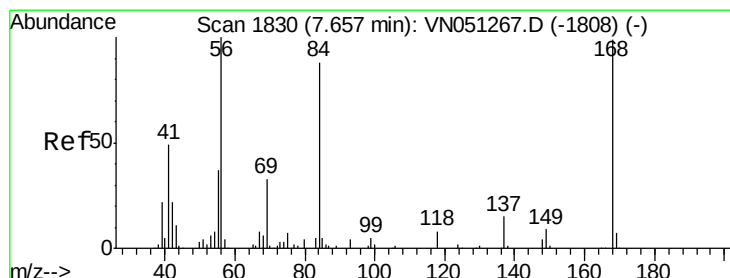
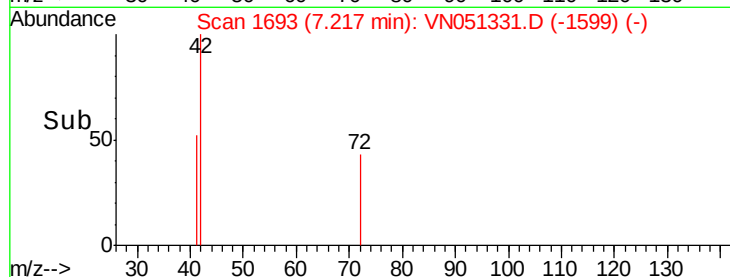
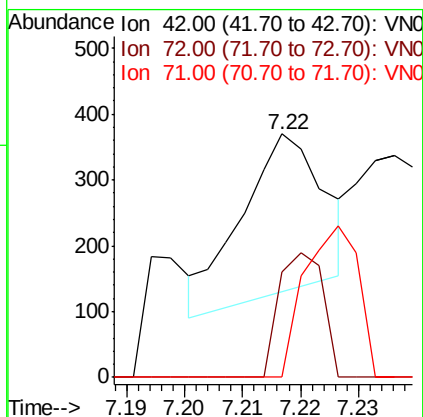
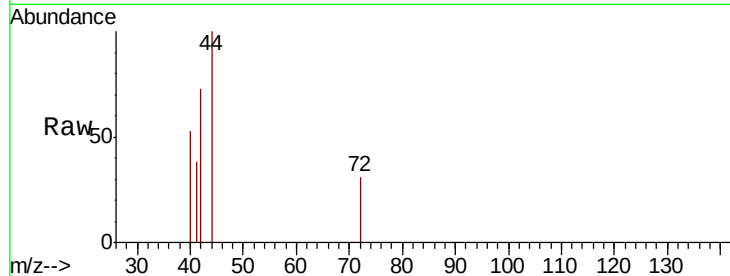




#29
Tetrahydrofuran
Concen: 0.21 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051331.D
Acq: 19 Sep 2018 20:10

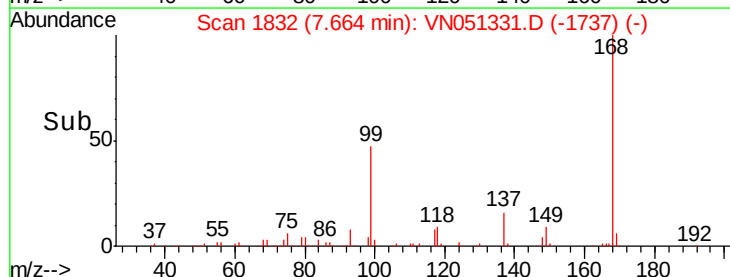
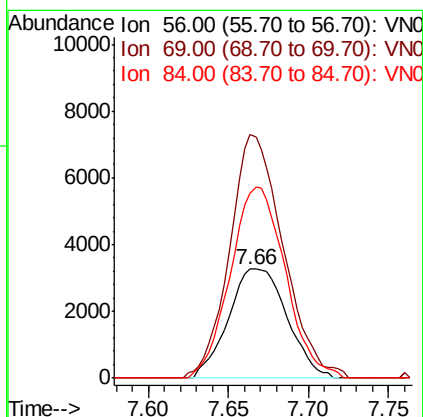
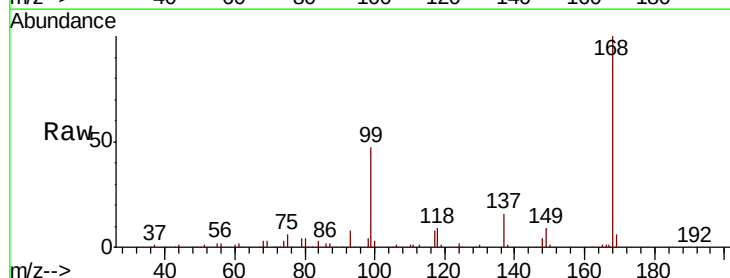
Instrument :
MSVOA_N
ClientSampled :

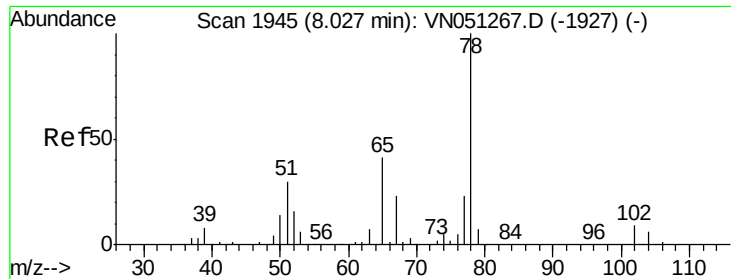
Tot Ion: 42 Resp: 237
Ion Ratio Lower Upper
42 100
72 42.2 37.6 56.4
71 62.4 35.4 53.2#



#31
Cyclohexane
Concen: 0.82 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051331.D
Acq: 19 Sep 2018 20:10

Tgt Ion: 56 Resp: 8191
Ion Ratio Lower Upper
56 100
69 218.6 26.2 39.2#
84 170.3 70.6 106.0#

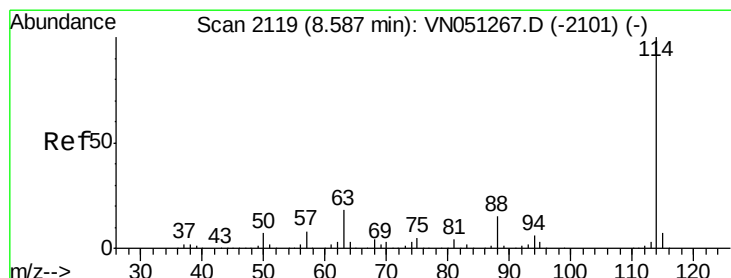
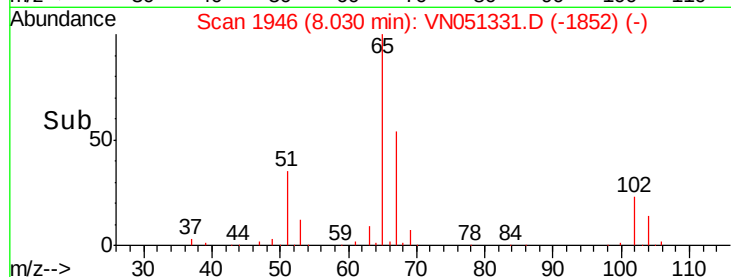
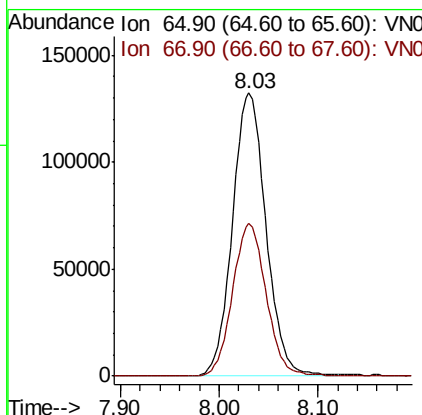
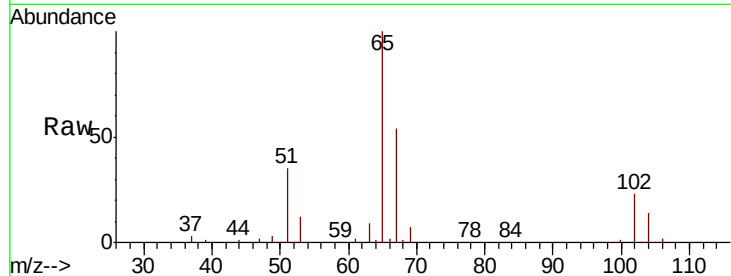




#33
 1,2-Dichloroethane-d4
 Concen: 54.56 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051331.D
 Acq: 19 Sep 2018 20:10

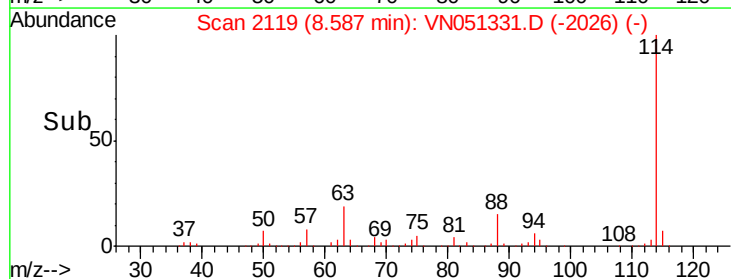
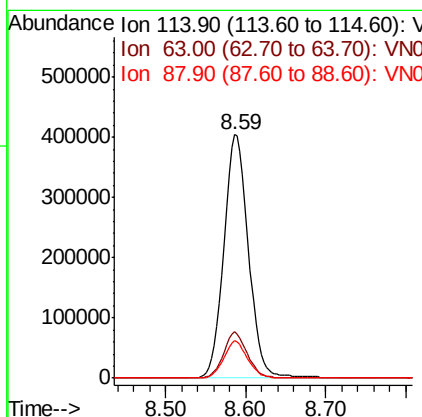
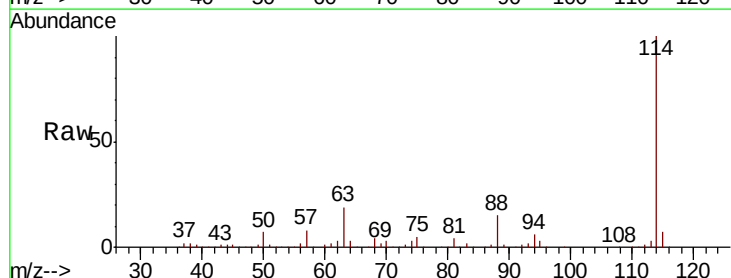
Instrument :
 MSVOA_N
 ClientSampled :

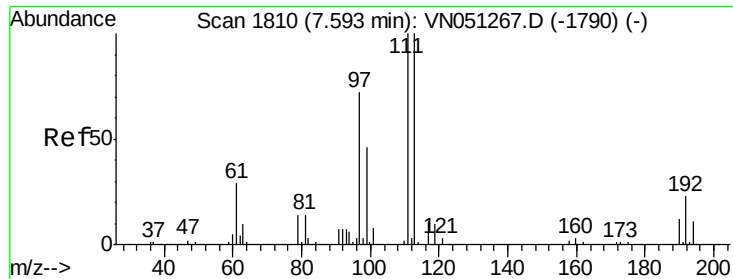
Tot Ion: 65 Resp: 312988
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051331.D
 Acq: 19 Sep 2018 20:10

Tgt Ion: 114 Resp: 853596
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.8
 88 15.4 0.0 30.8

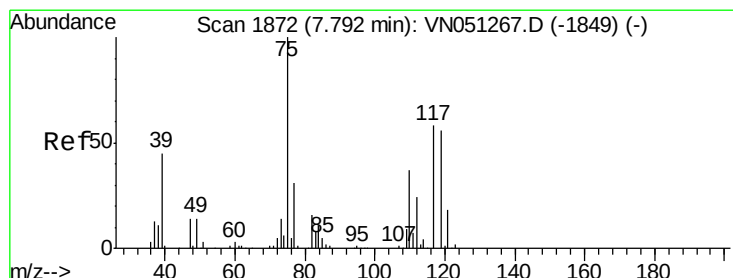
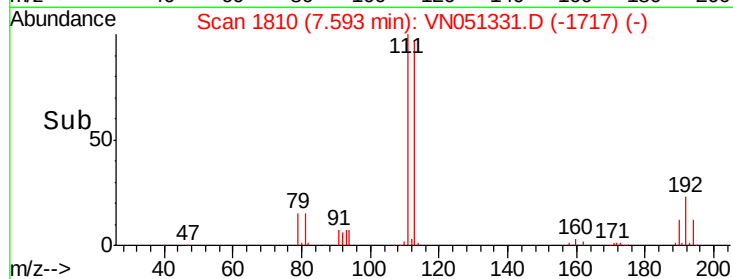
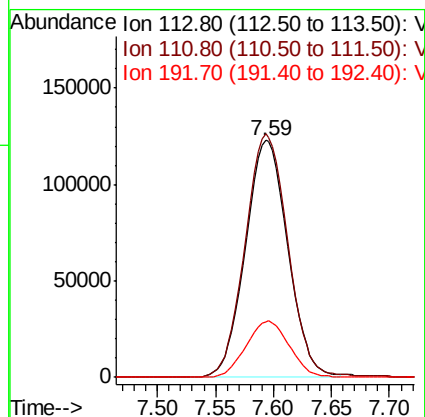
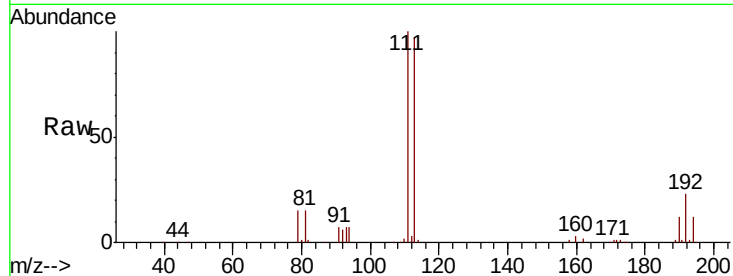




#35
 Dibromofluoromethane
 Concen: 47.25 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051331.D
 Acq: 19 Sep 2018 20:10

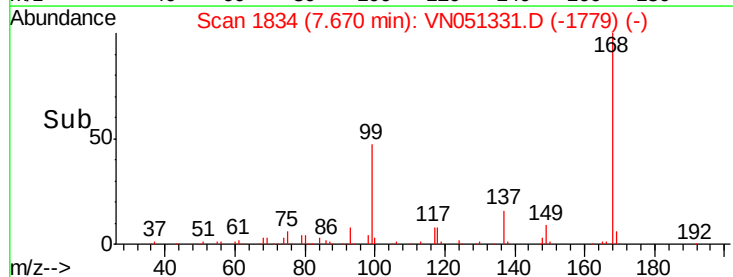
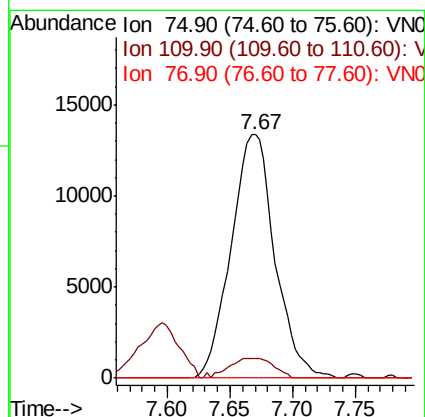
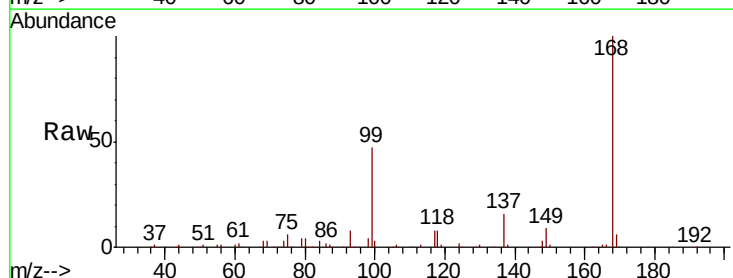
Instrument :
 MSVOA_N
 ClientSampleId :

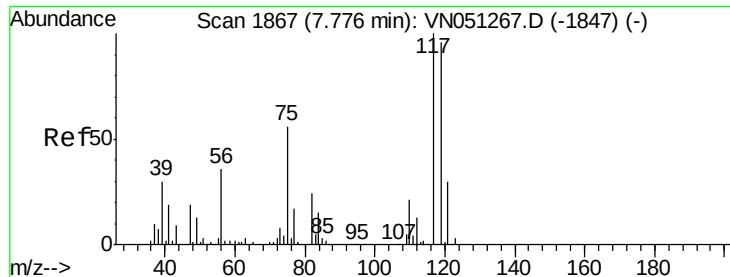
Tot Ion:113 Resp: 313388
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.2 123.4
 192 24.2 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 3.51 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051331.D
 Acq: 19 Sep 2018 20:10

Tgt Ion: 75 Resp: 32419
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.6 56.0#
 77 0.0 24.7 37.1#

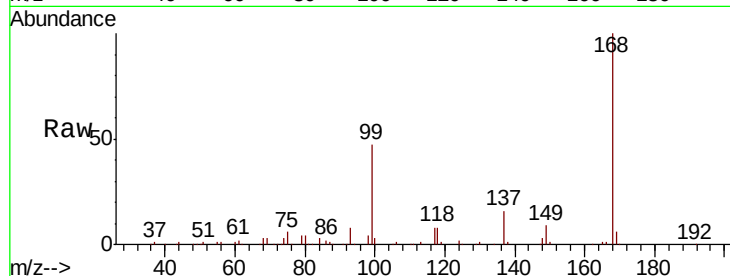




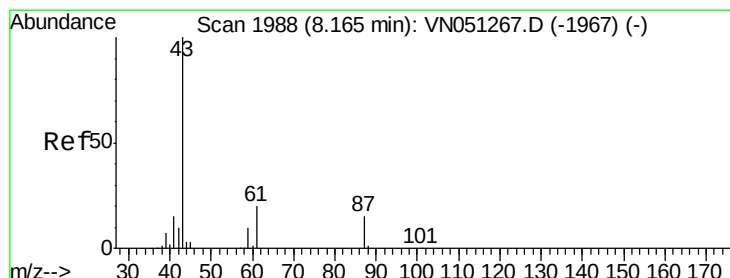
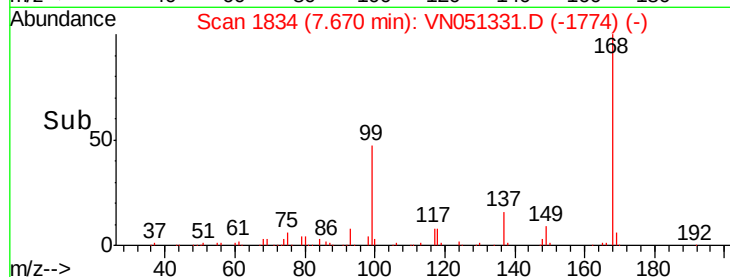
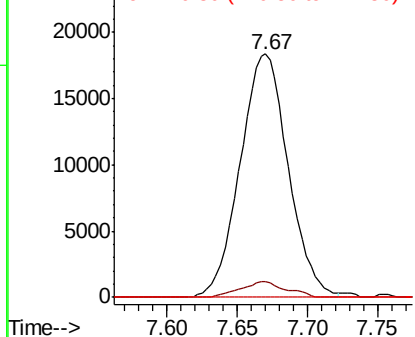
#38
Carbon Tetrachloride
Concen: 4.53 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.11 min
Lab File: VN051331.D
Acq: 19 Sep 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 43681
Ion Ratio Lower Upper
117 100
119 6.7 76.8 115.2#
121 0.0 24.2 36.2#

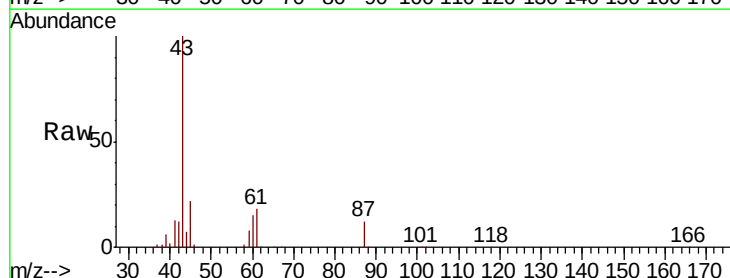


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

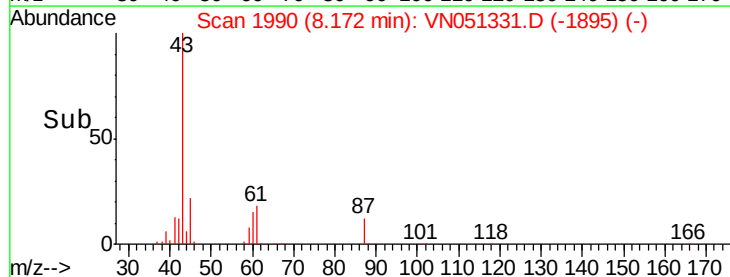
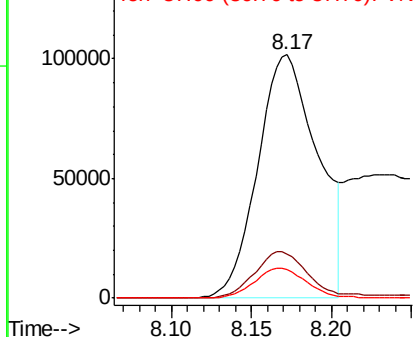


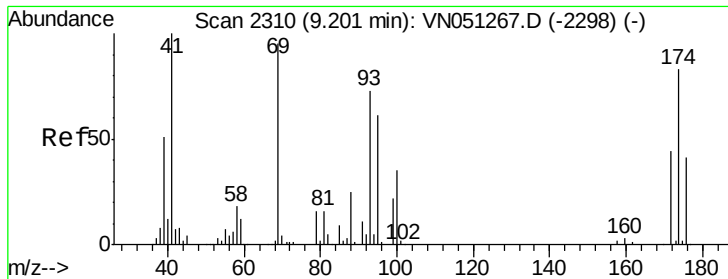
#43
Isopropyl Acetate
Concen: 32.13 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.01 min
Lab File: VN051331.D
Acq: 19 Sep 2018 20:10

Tgt Ion: 43 Resp: 264086
Ion Ratio Lower Upper
43 100
61 17.1 17.4 26.2#
87 10.7 12.2 18.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#48

Methvl methacrylate

Concen: 1.36 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051331.D

Acq: 19 Sep 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :

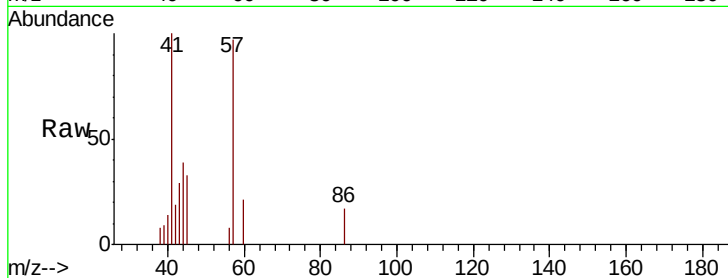
Tot Ion: 41 Resp: 5391

Ion Ratio Lower Upper

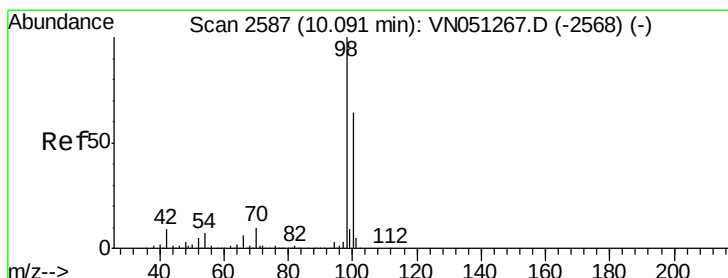
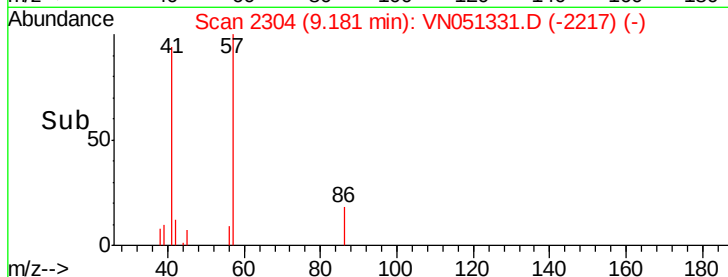
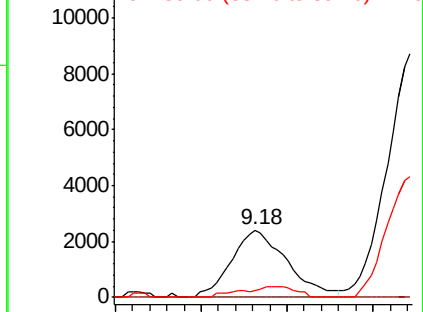
41 100

69 0.0 78.9 118.3#

39 10.9 42.2 63.2#



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: 45.51 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051331.D

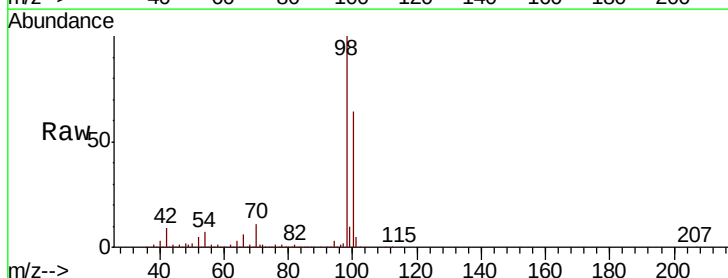
Acq: 19 Sep 2018 20:10

Tgt Ion: 98 Resp: 1115878

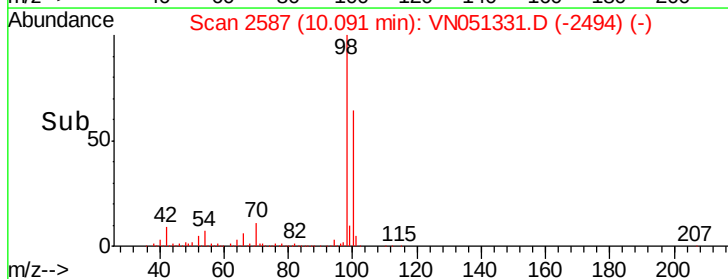
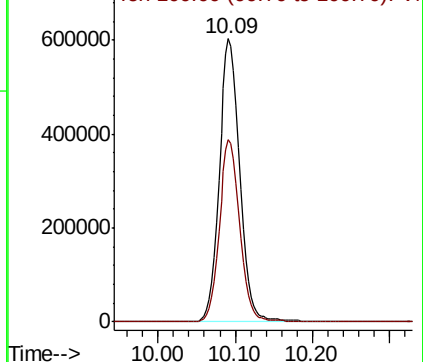
Ion Ratio Lower Upper

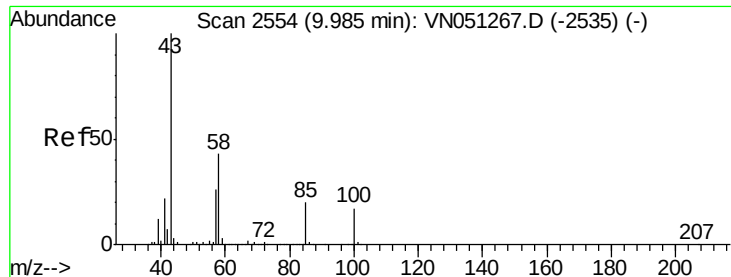
98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

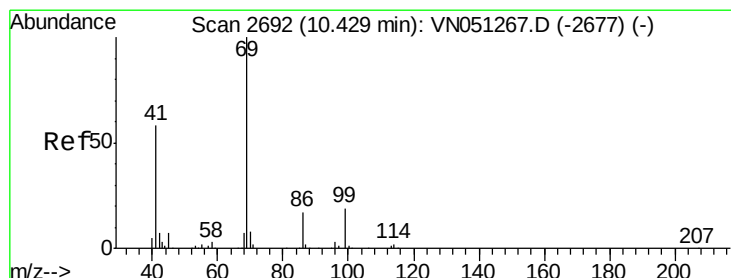
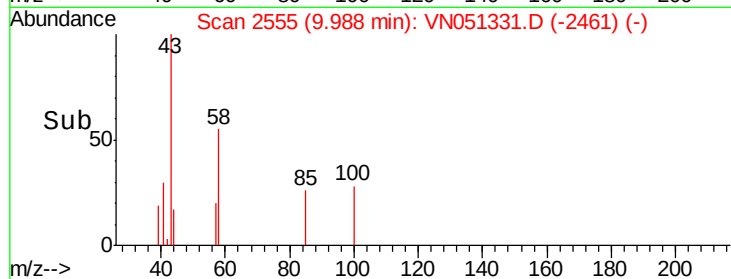
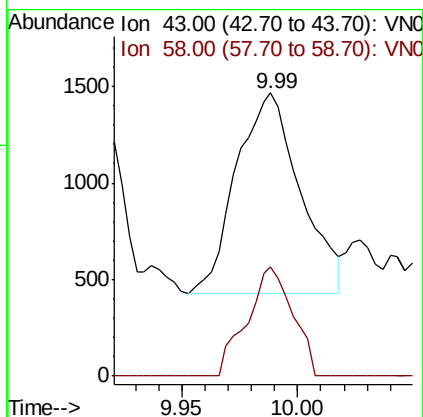
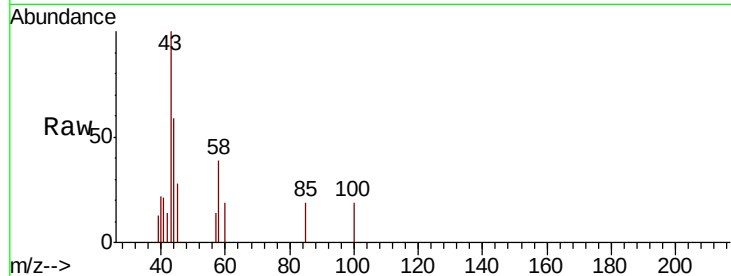




#51
 4-Methyl-2-Pentanone
 Concen: 0.47 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051331.D
 Acq: 19 Sep 2018 20:10

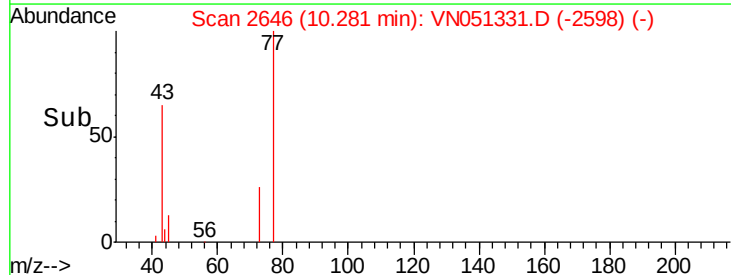
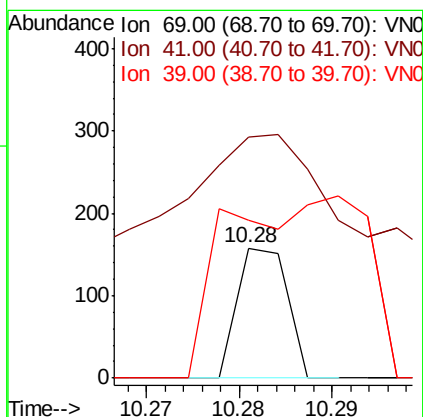
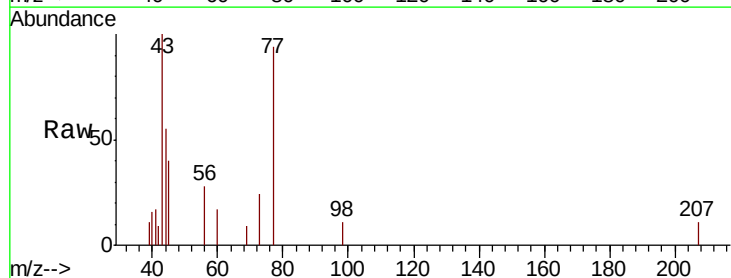
Instrument :
 MSVOA_N
 ClientSampled :

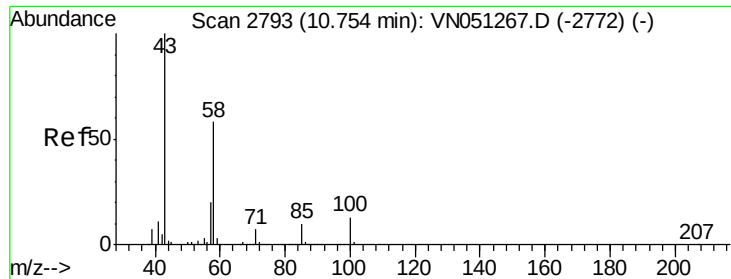
Tot Ion: 43 Resp: 2006
 Ion Ratio Lower Upper
 43 100
 58 38.8 33.8 50.6



#56
 Ethyl methacrylate
 Concen: 2.07 ug/l
 RT: 10.28 min Scan# 2646
 Delta R.T. -0.15 min
 Lab File: VN051331.D
 Acq: 19 Sep 2018 20:10

Tgt Ion: 69 Resp: 60
 Ion Ratio Lower Upper
 69 100
 41 940.0 47.4 71.0#
 39 386.7 23.7 35.5#

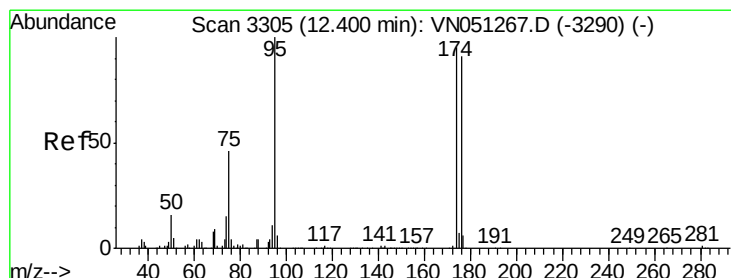
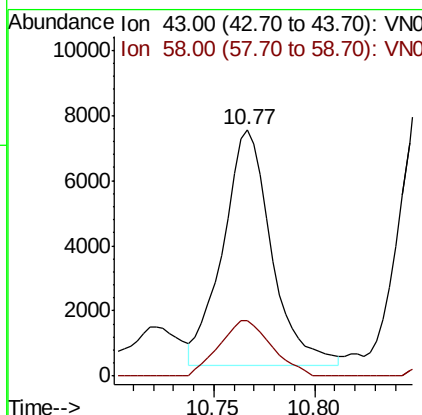
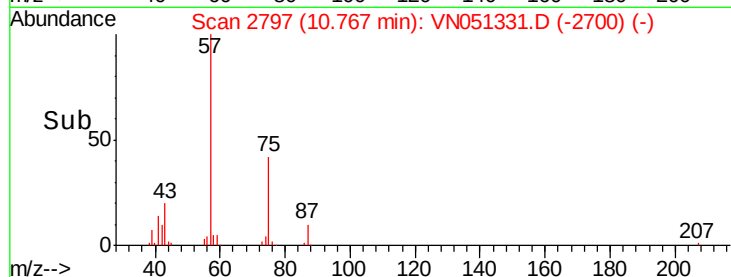
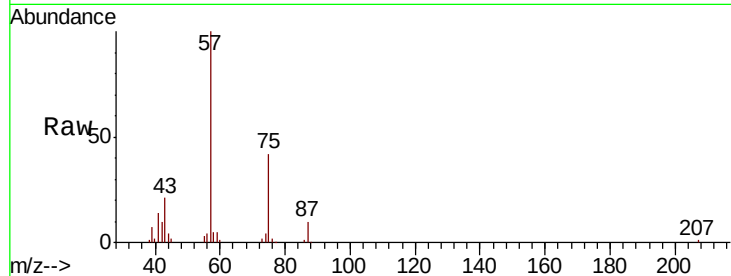




#59
 2-Hexanone
 Concen: 4.36 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051331.D
 Acq: 19 Sep 2018 20:10

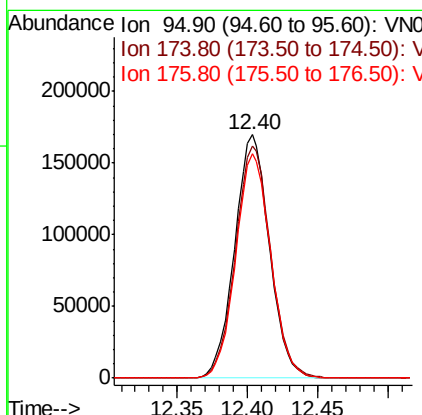
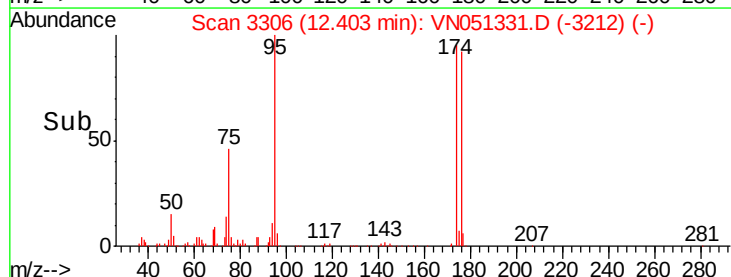
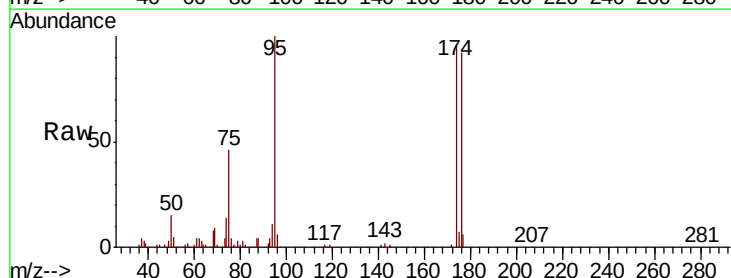
Instrument :
 MSVOA_N
 ClientSampled :

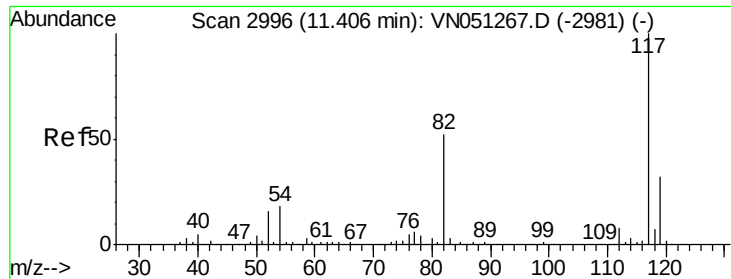
Tot Ion: 43 Resp: 12186
 Ion Ratio Lower Upper
 43 100
 58 25.3 28.9 86.8#



#62
 4-Bromofluorobenzene
 Concen: 37.56 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051331.D
 Acq: 19 Sep 2018 20:10

Tgt Ion: 95 Resp: 292919
 Ion Ratio Lower Upper
 95 100
 174 96.8 0.0 189.6
 176 92.8 0.0 182.6

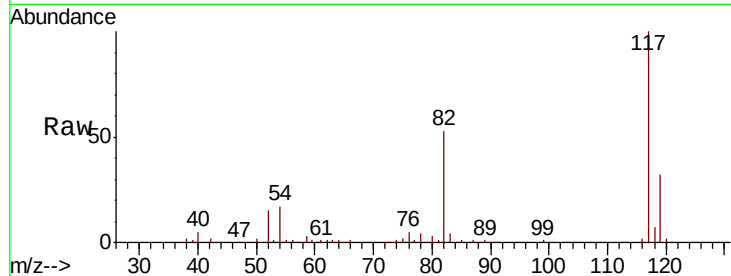




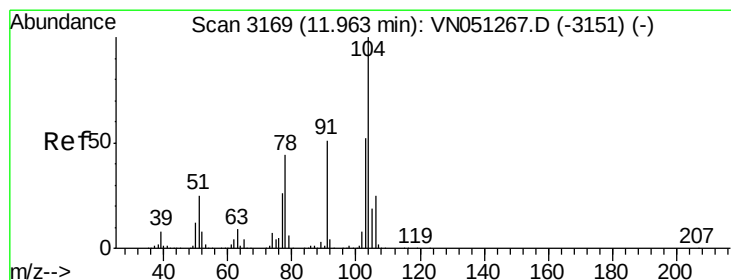
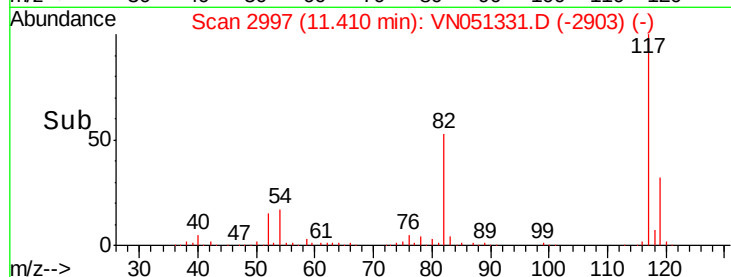
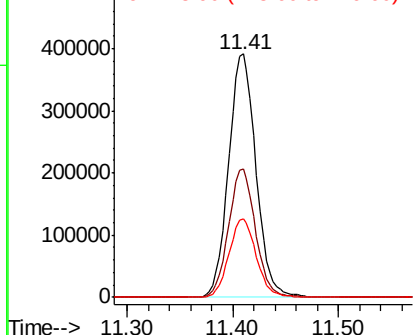
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051331.D
Acq: 19 Sep 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 701759
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 32.4 25.6 38.4

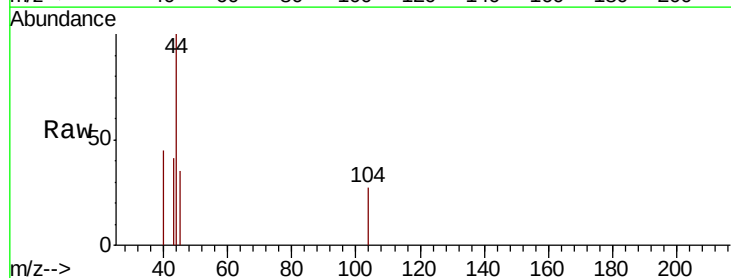


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

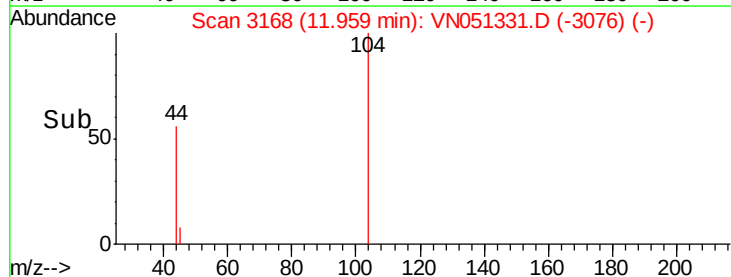
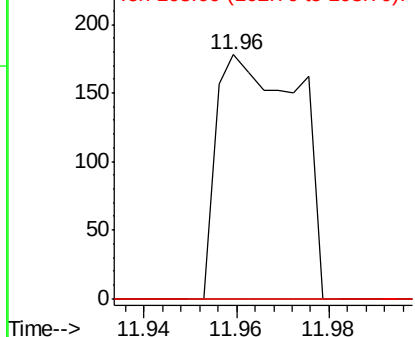


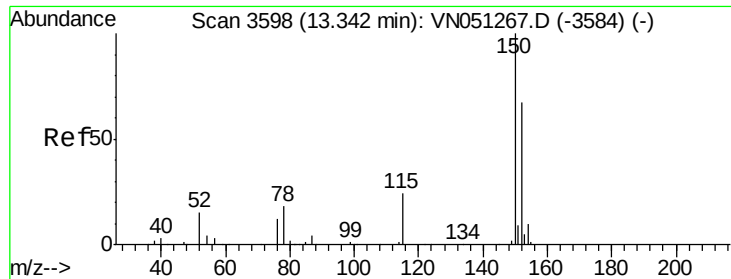
#70
Styrene
Concen: 1.26 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN051331.D
Acq: 19 Sep 2018 20:10

Tgt Ion:104 Resp: 215
Ion Ratio Lower Upper
104 100
78 0.0 38.1 57.1#
103 0.0 44.8 67.2#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): 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: VN051331.D

Acq: 19 Sep 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

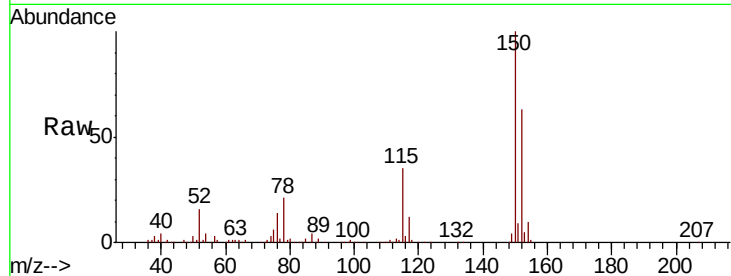
Tot Ion:152 Resp: 224988

Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.2

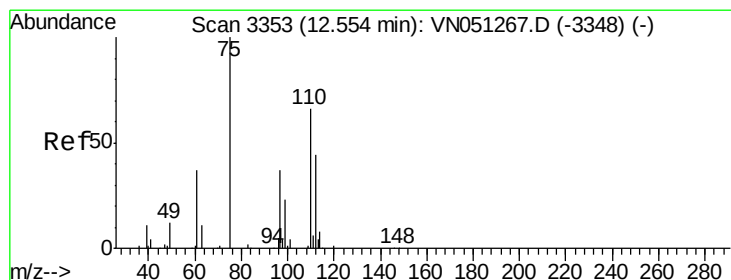
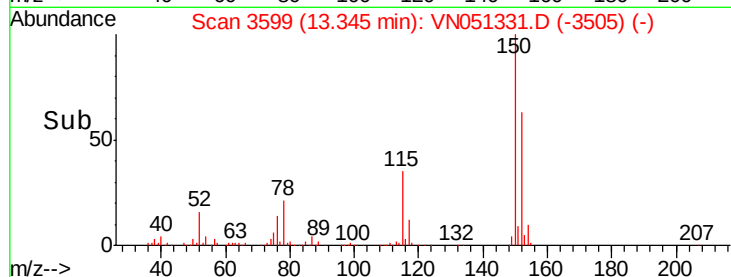
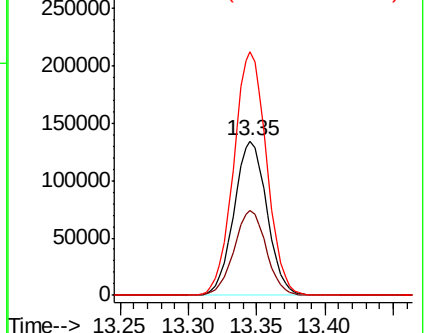
150 157.9 0.0 349.0



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: 43.62 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051331.D

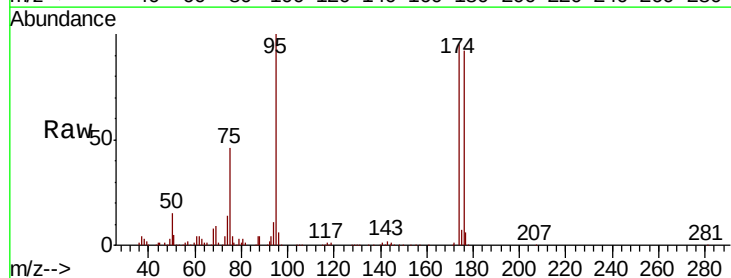
Acq: 19 Sep 2018 20:10

Tgt Ion: 75 Resp: 135254

Ion Ratio Lower Upper

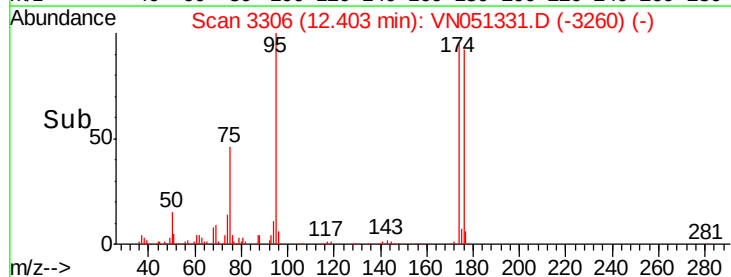
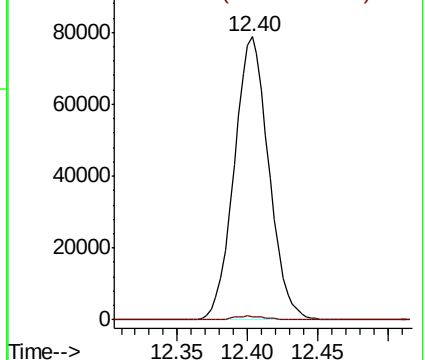
75 100

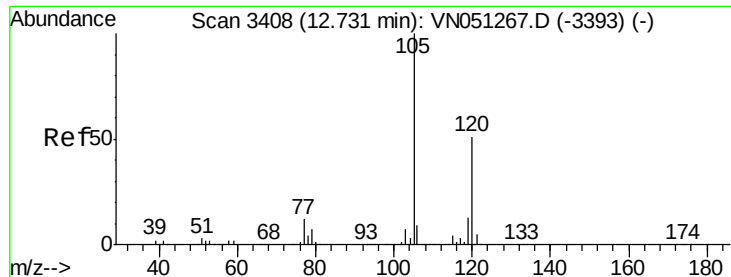
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

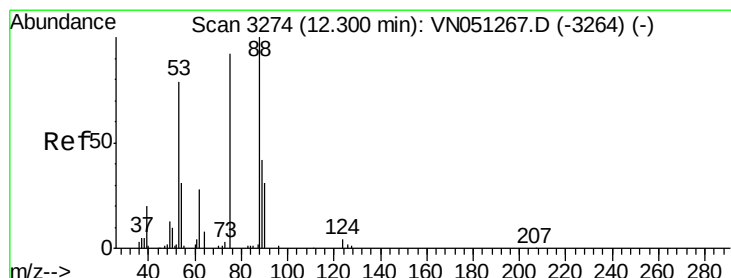
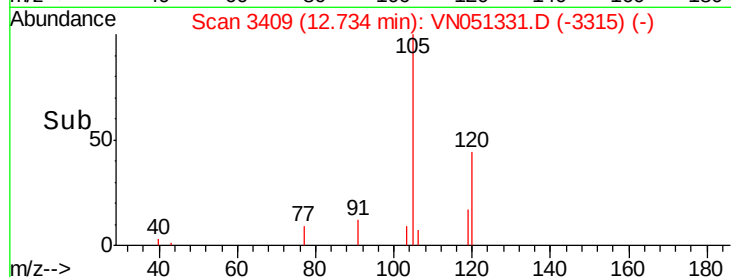
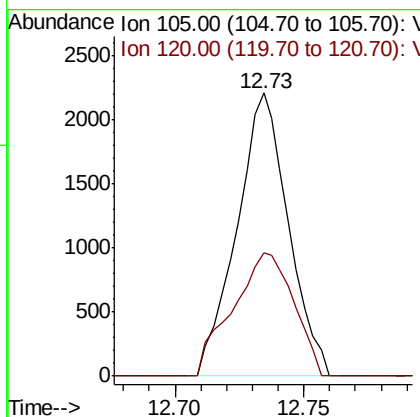
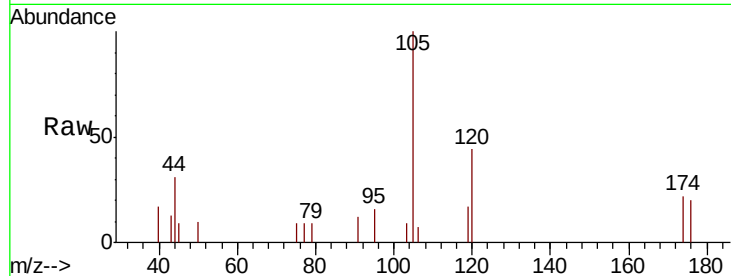




#80
 1,3,5-Trimethylbenzene
 Concen: 0.20 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051331.D
 Acq: 19 Sep 2018 20:10

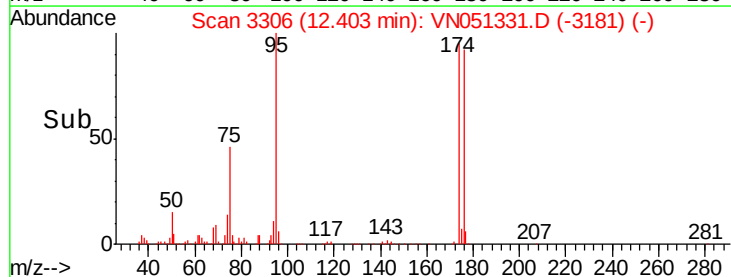
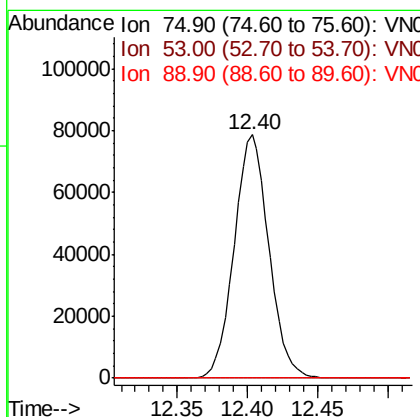
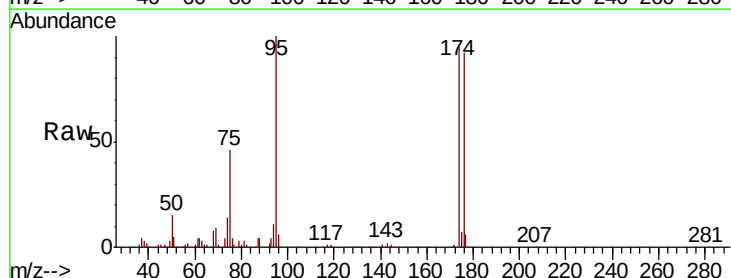
Instrument :
 MSVOA_N
 ClientSampleId :

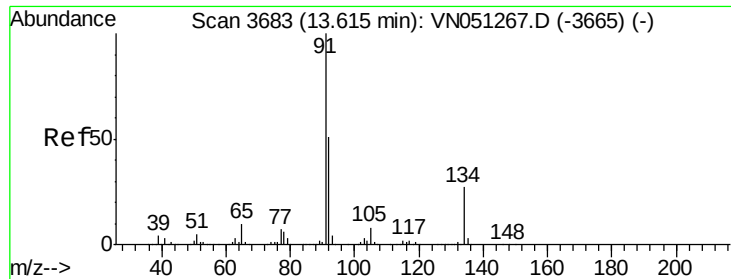
Tot Ion:105 Resp: 3072
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.52 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051331.D
 Acq: 19 Sep 2018 20:10

Tgt Ion: 75 Resp: 135254
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.7 101.5#
 89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 2.05 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.27 min

Lab File: VN051331.D

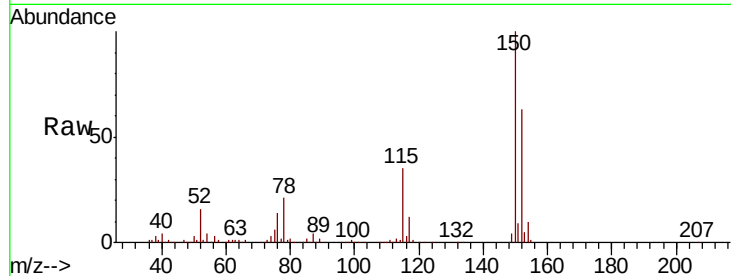
Acq: 19 Sep 2018 20:10

Instrument :

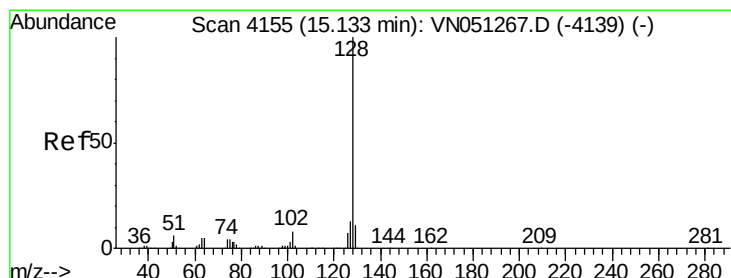
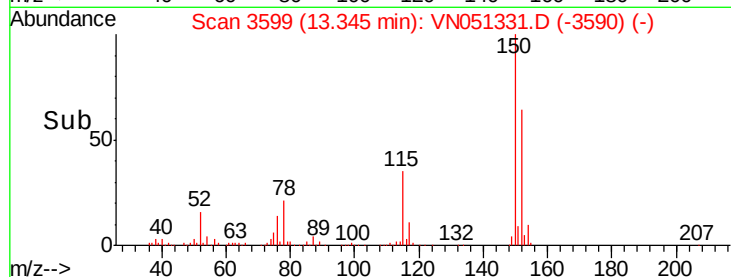
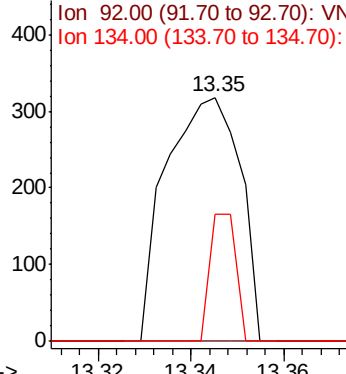
MSVOA_N

ClientSampleId :

Tot Ion:	91	Resp:	352
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.8	77.4#
134	18.2	13.7	41.0



Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3665) (-)



#95

Naphthalene

Concen: 5.93 ug/l

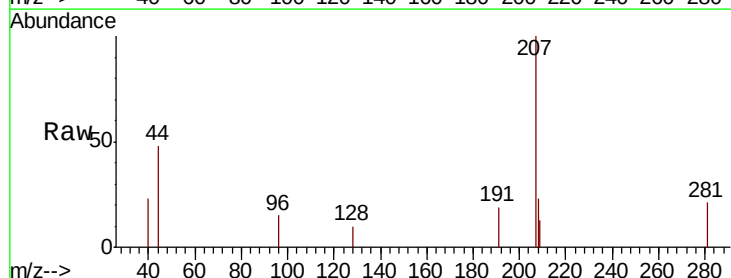
RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051331.D

Acq: 19 Sep 2018 20:10

Tgt Ion:	128	Resp:	62
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): VN051267.D (-4139) (-)

