

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050246.D
 Acq On : 1 Aug 2018 13:55
 Operator : MD\SY
 Sample : J4248-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 00:54:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	720443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1120597	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	945670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	370545	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	476434	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
35) Dibromofluoromethane	7.59	113	426868	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	
50) Toluene-d8	10.09	98	1529585	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	
62) 4-Bromofluorobenzene	12.40	95	452196	40.83	ug/l	0.00
Spiked Amount			Recovery	=	81.66%	

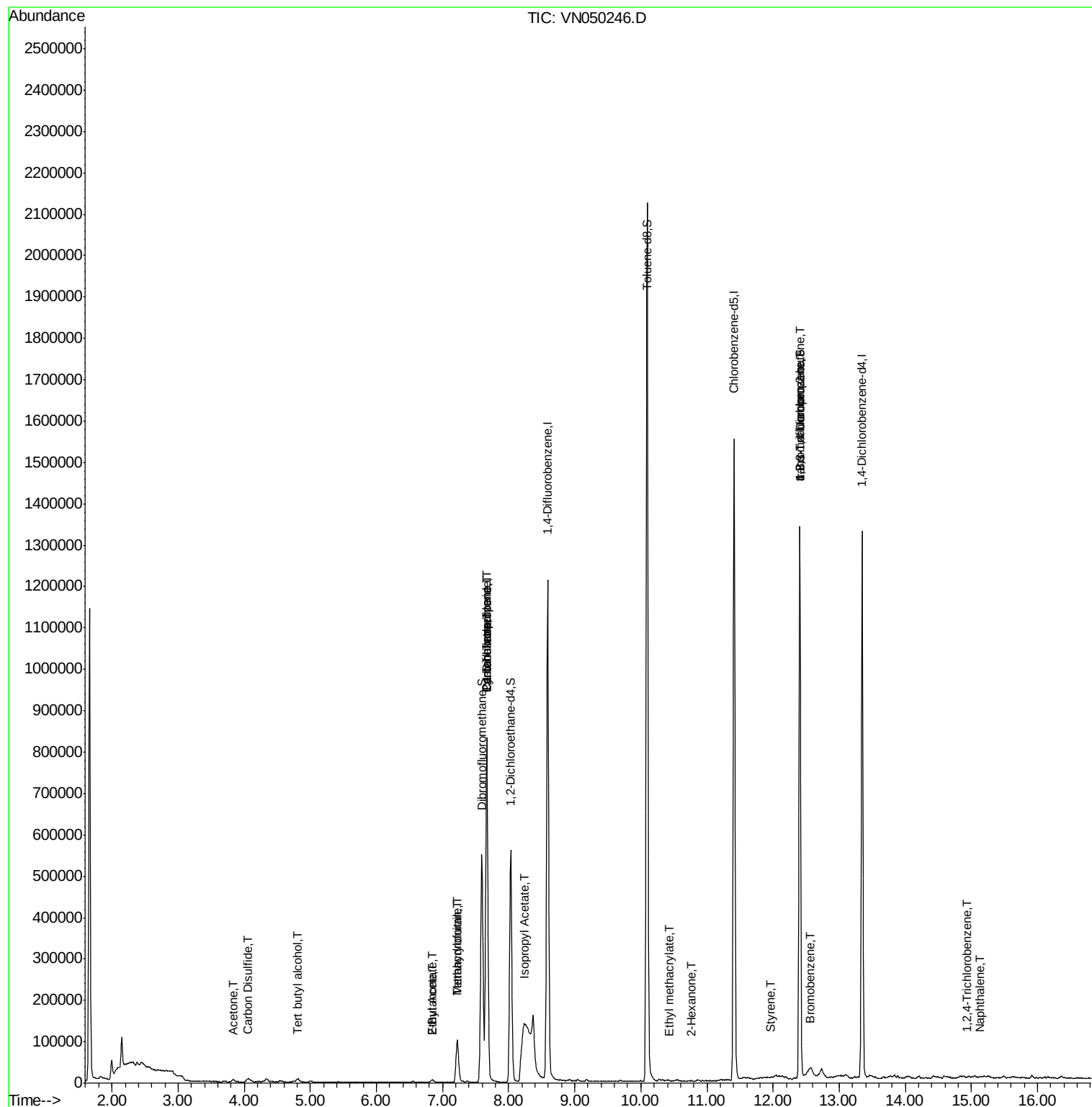
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	64	Below Cal	#	3
11) Tert butyl alcohol	4.81	59	13115	17.73	ug/l	79
16) Acetone	3.83	43	11535	0.54	ug/l	98
17) Carbon Disulfide	4.05	76	14378	0.57	ug/l	99
18) Methyl Acetate	4.34	43	13130	Below Cal		95
20) Methylene Chloride	4.55	84	1679	Below Cal		88
25) 2-Butanone	6.86	43	4696	1.22	ug/l	81
29) Tetrahydrofuran	7.22	42	82276	33.21	ug/l	99
31) Cyclohexane	7.67	56	13183	0.89	ug/l	1
36) 1,1-Dichloropropene	7.67	75	50029	3.96	ug/l	48
37) Ethyl Acetate	6.86	43	4696	0.53	ug/l	69
38) Carbon Tetrachloride	7.67	117	64868	4.84	ug/l	16
41) Methacrylonitrile	7.22	41	51339	13.33	ug/l	31
43) Isopropyl Acetate	8.24	43	157860	8.57	ug/l	61
56) Ethyl methacrylate	10.42	69	30	2.03	ug/l	1
59) 2-Hexanone	10.75	43	1445	5.40	ug/l	86
70) Styrene	11.96	104	98	0.93	ug/l	38
75) 1,1,2,2-Tetrachloroethane	12.51	83	192	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	218896	31.79	ug/l	100
77) Bromobenzene	12.55	156	16220	2.04	ug/l	1
81) trans-1,4-Dichloro-2-buten	12.40	75	218896	100.82	ug/l	13
92) 1,2-Dibromo-3-Chloropropan	14.06	75	29	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	62	3.09	ug/l	1
95) Naphthalene	15.13	128	944	4.47	ug/l	63

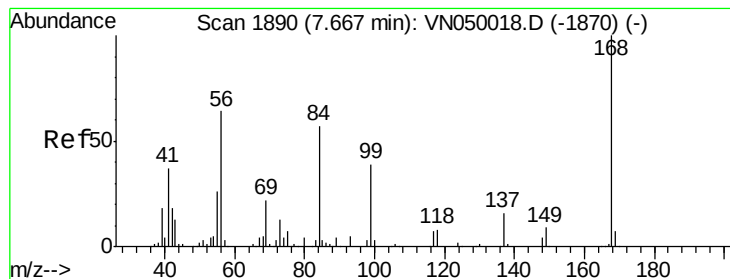
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
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Instrument :
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Quant Time: Aug 02 00:54:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

Instrument :

MSVOA_N

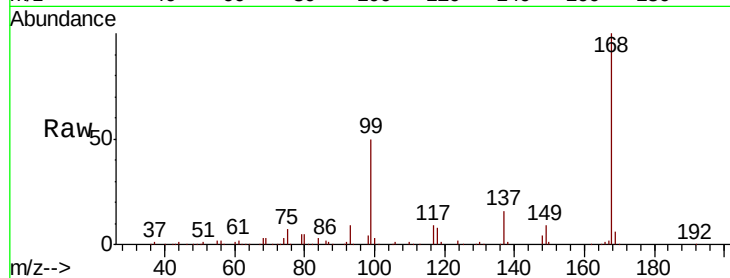
ClientSampleId :

Tot Ion:168 Resp: 720443

Ion Ratio Lower Upper

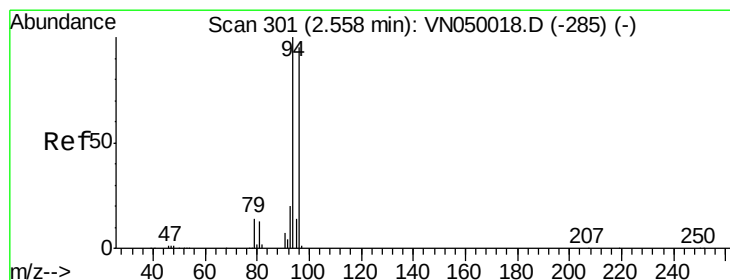
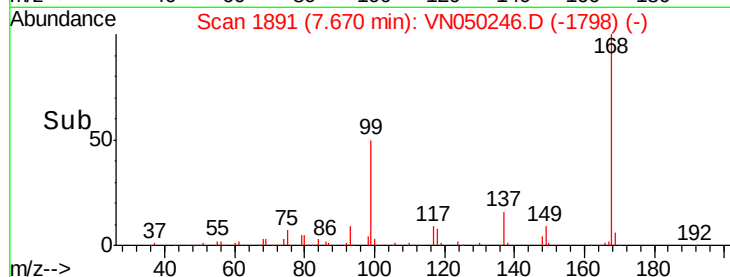
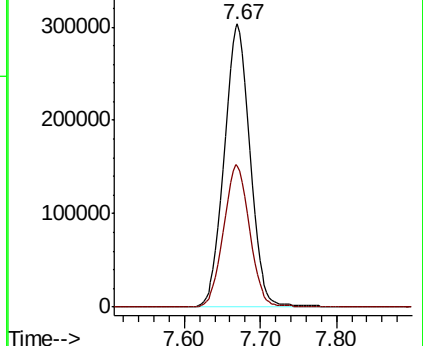
168 100

99 50.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 295

Delta R.T. -0.01 min

Lab File: VN050246.D

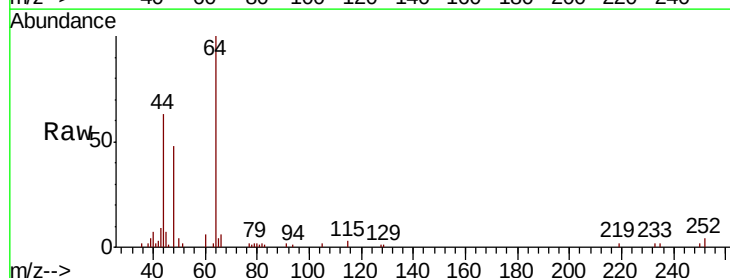
Acq: 1 Aug 2018 13:55

Tgt Ion: 94 Resp: 64

Ion Ratio Lower Upper

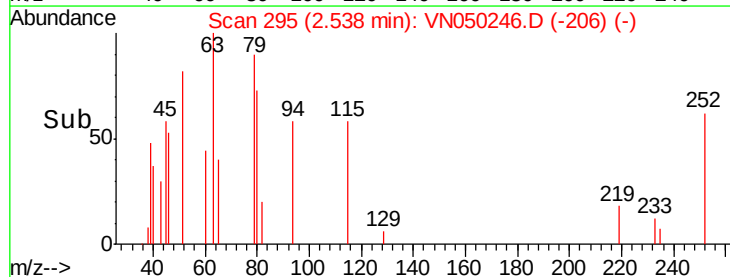
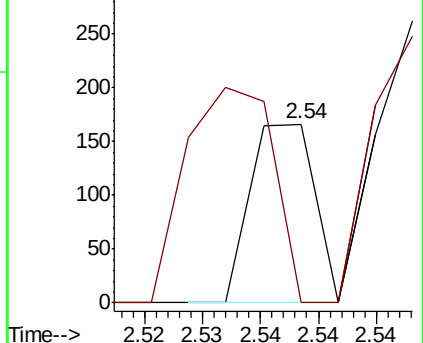
94 100

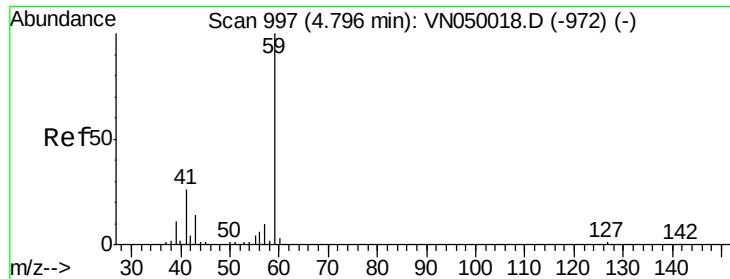
96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

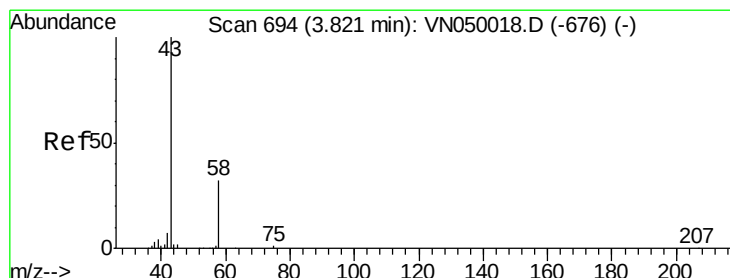
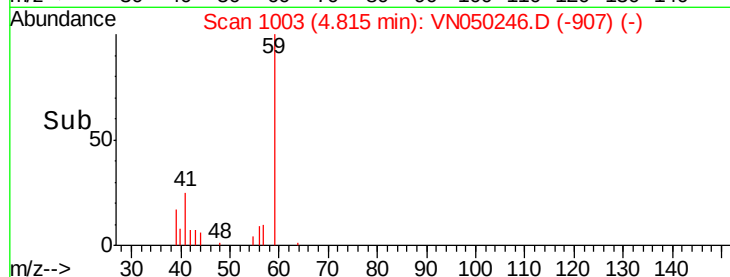
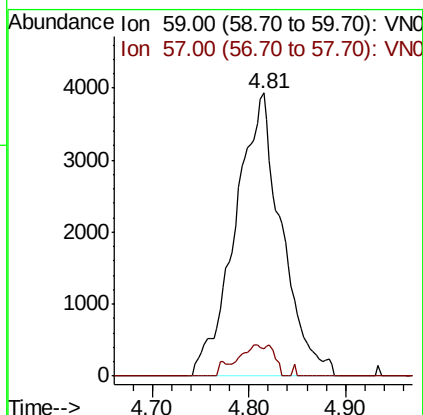
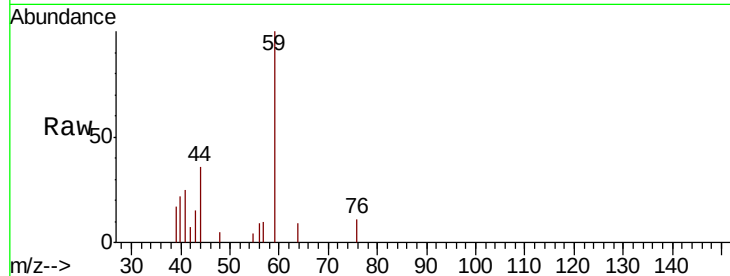




#11
Tert butyl alcohol
Concen: 17.73 ug/l
RT: 4.81 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

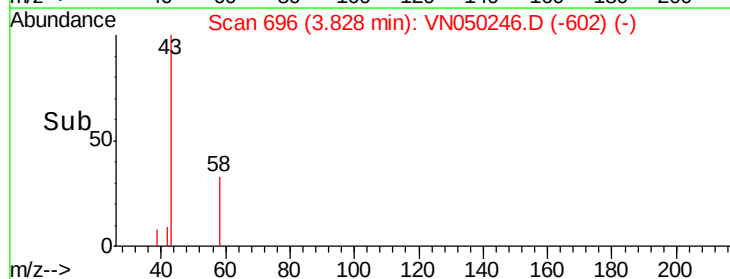
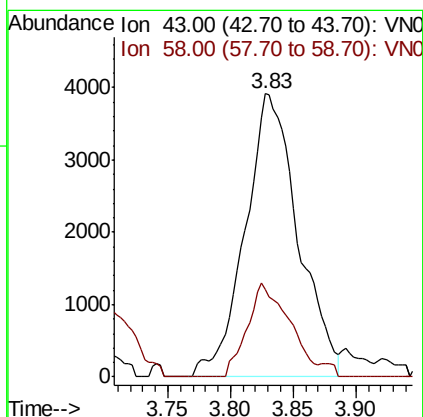
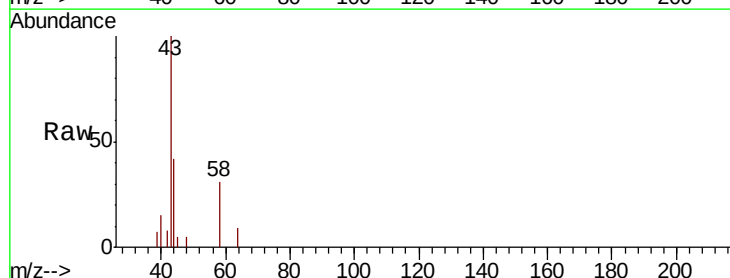
Instrument :
MSVOA_N
ClientSampled :

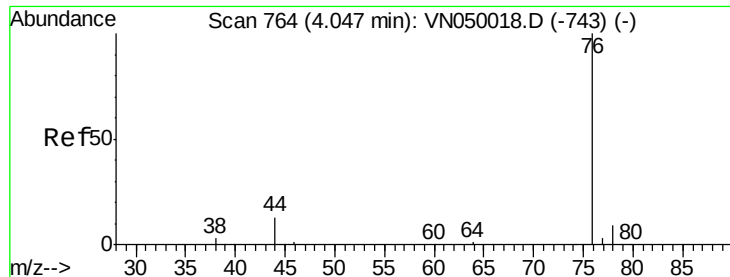
Tot Ion: 59 Resp: 13115
Ion Ratio Lower Upper
59 100
57 2.8 8.5 12.7#



#16
Acetone
Concen: 0.54 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

Tgt Ion: 43 Resp: 11535
Ion Ratio Lower Upper
43 100
58 31.1 25.8 38.8

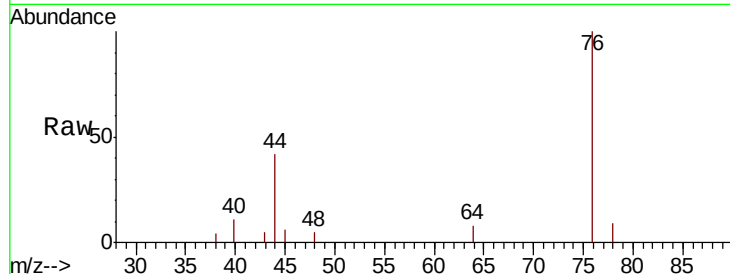




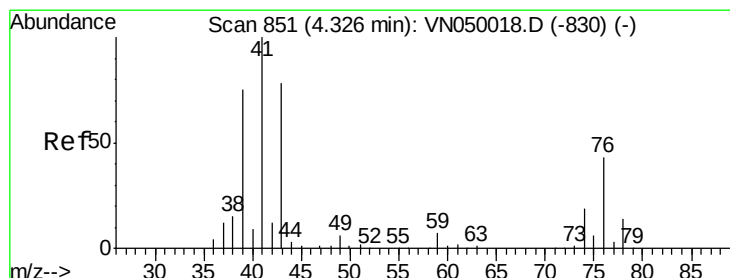
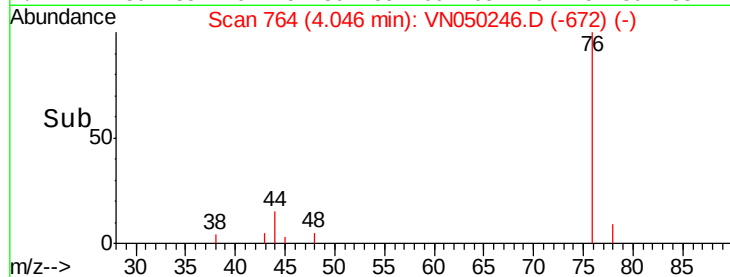
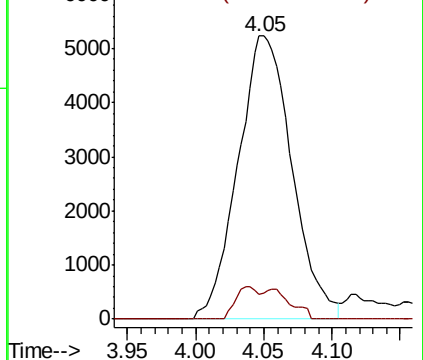
#17
Carbon Disulfide
Concen: 0.57 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 14378
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9

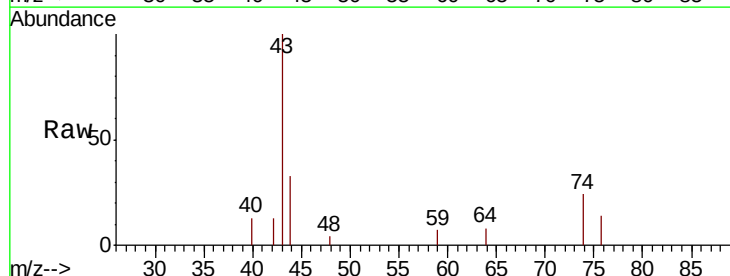


Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

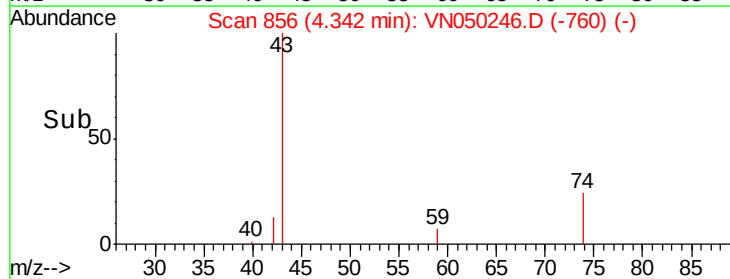
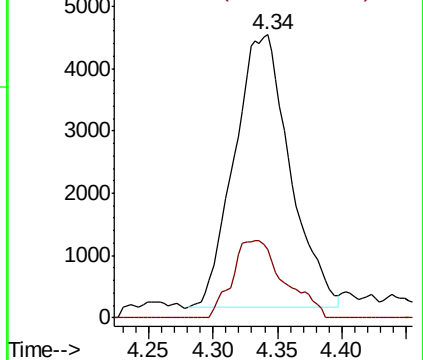


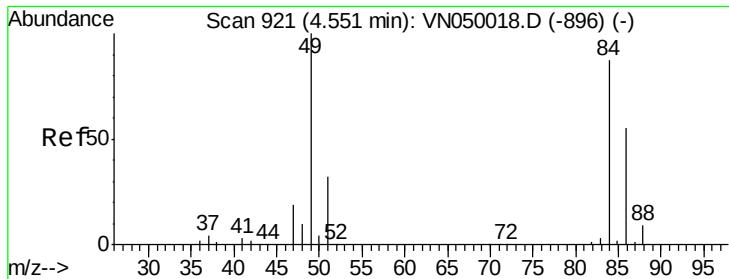
#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

Tgt Ion: 43 Resp: 13130
Ion Ratio Lower Upper
43 100
74 26.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

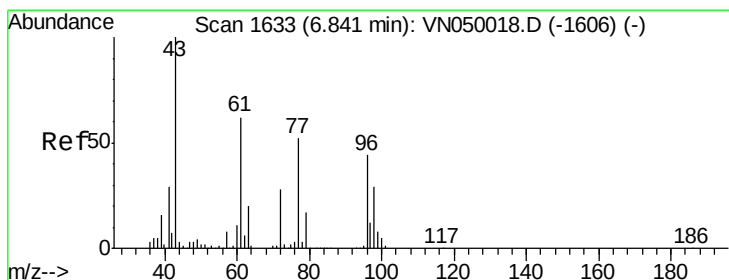
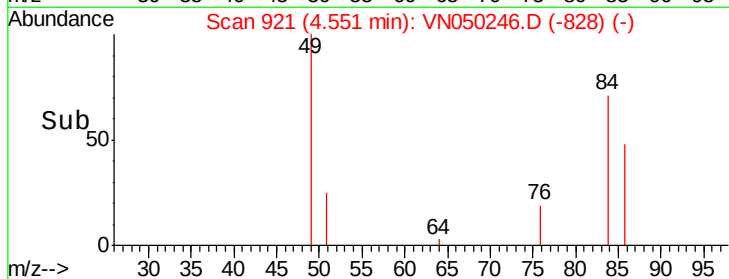
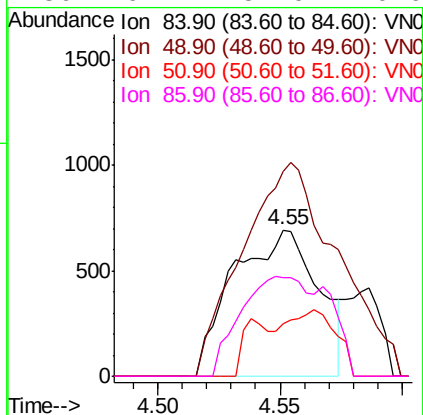
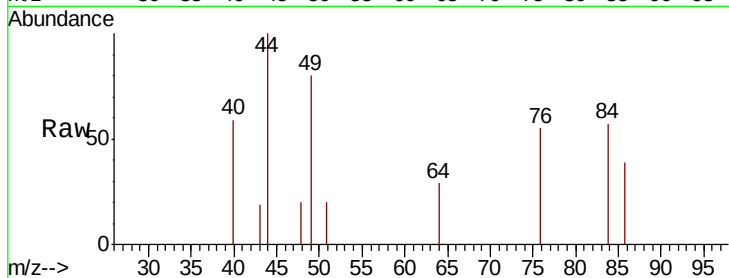




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

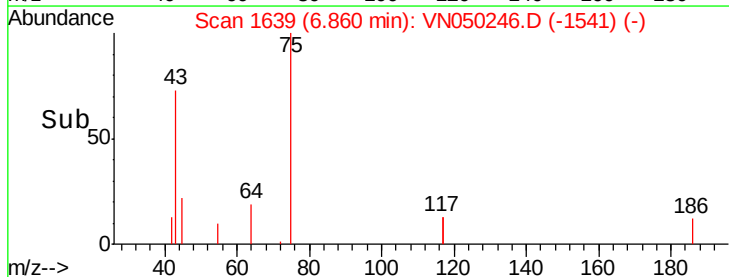
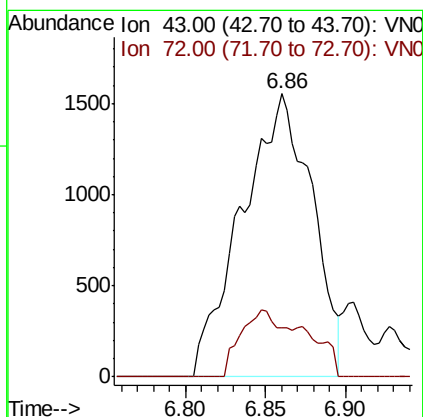
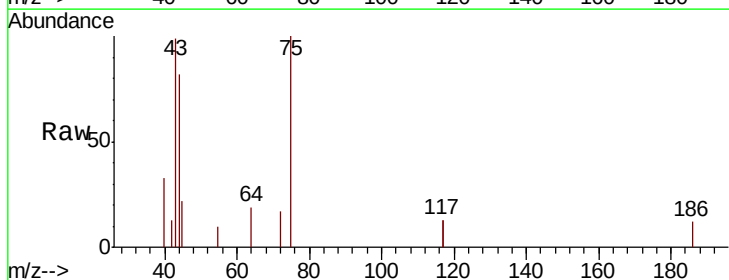
Instrument :
MSVOA_N
ClientSampleId :

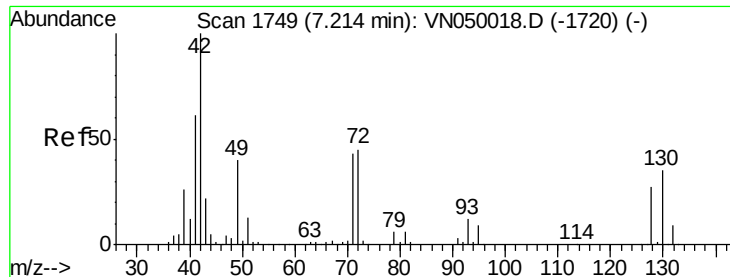
Tot Ion: 84 Resp: 1679
Ion Ratio Lower Upper
84 100
49 140.1 94.8 142.2
51 35.6 28.3 42.5
86 67.7 51.0 76.6



#25
2-Butanone
Concen: 1.22 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

Tgt Ion: 43 Resp: 4696
Ion Ratio Lower Upper
43 100
72 17.2 21.5 32.3#





#29

Tetrahydrofuran

Concen: 33.21 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

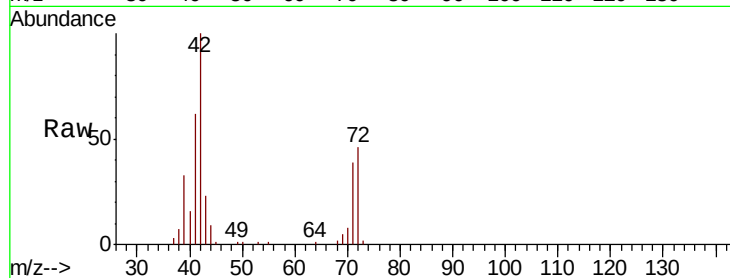
Tot Ion: 42 Resp: 82276

Ion Ratio Lower Upper

42 100

72 44.2 35.9 53.9

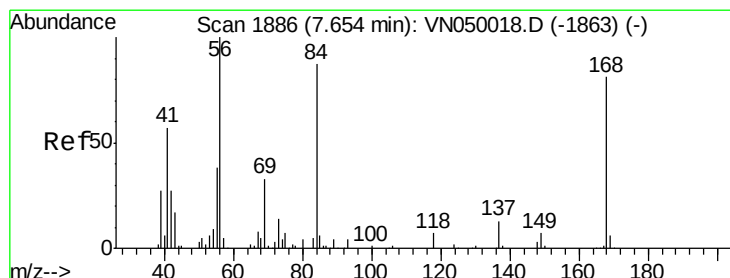
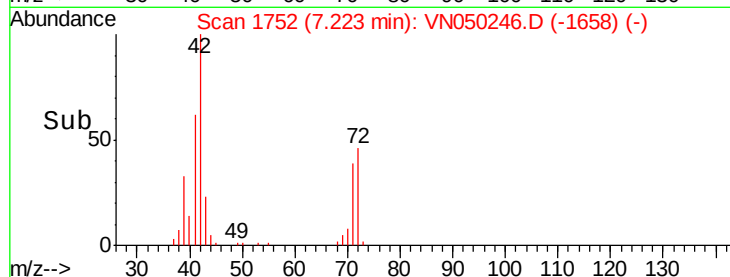
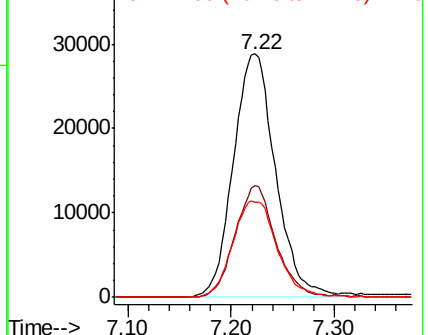
71 41.2 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN050018.D (-1720) (-)

Ion 72.00 (71.70 to 72.70): VN050018.D (-1720) (-)

Ion 71.00 (70.70 to 71.70): VN050018.D (-1720) (-)



#31

Cyclohexane

Concen: 0.89 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

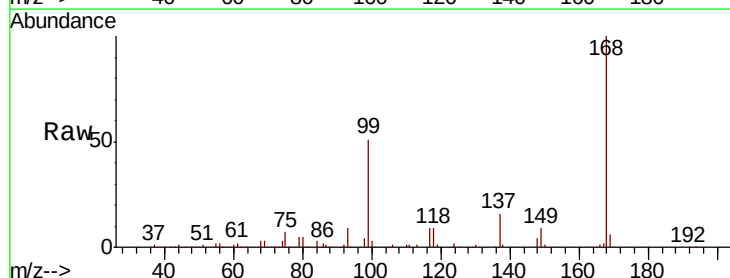
Tgt Ion: 56 Resp: 13183

Ion Ratio Lower Upper

56 100

69 170.7 26.2 39.4#

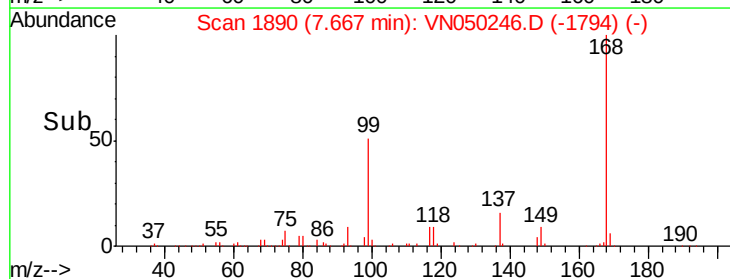
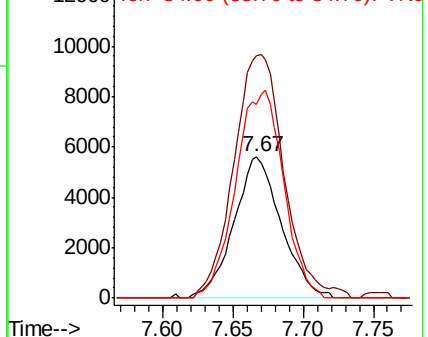
84 137.0 67.4 101.0#

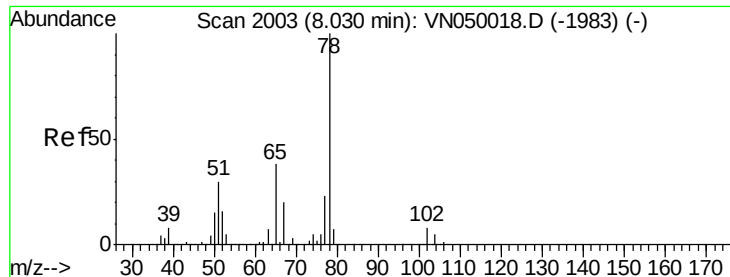


Abundance Ion 56.00 (55.70 to 56.70): VN050018.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN050018.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN050018.D (-1863) (-)

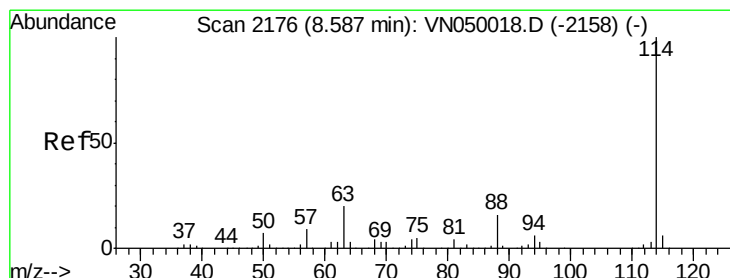
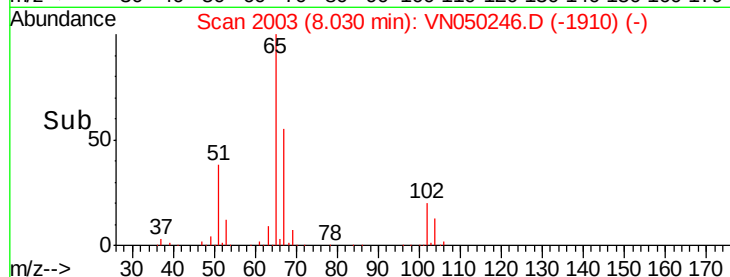
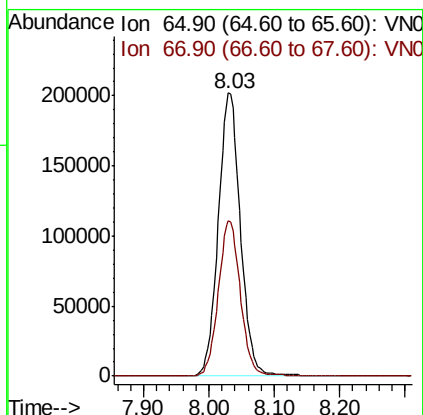
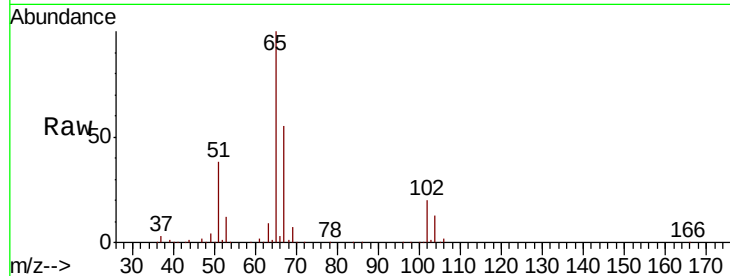




#33
 1,2-Dichloroethane-d4
 Concen: 47.40 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050246.D
 Acq: 1 Aug 2018 13:55

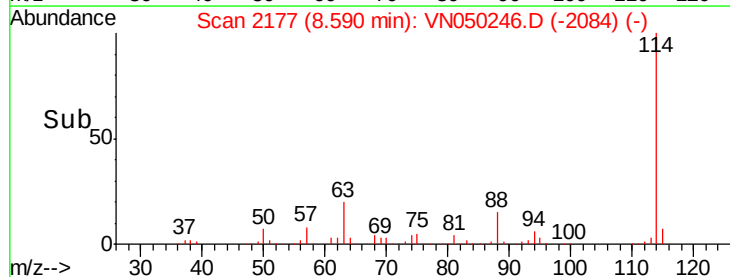
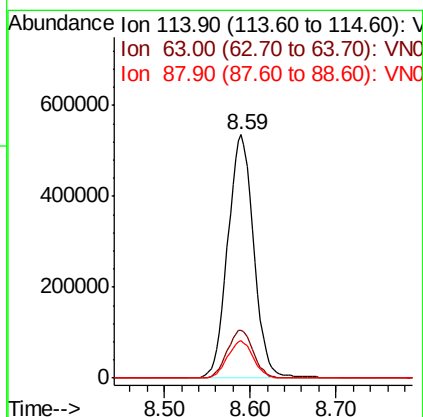
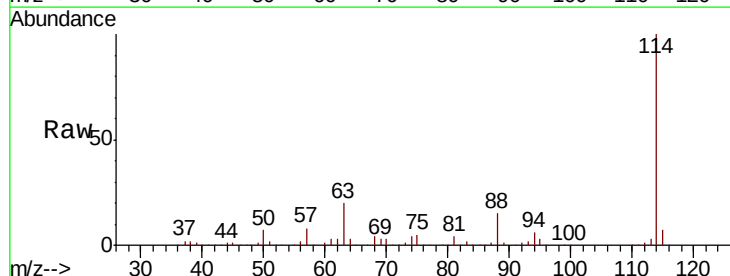
Instrument :
 MSVOA_N
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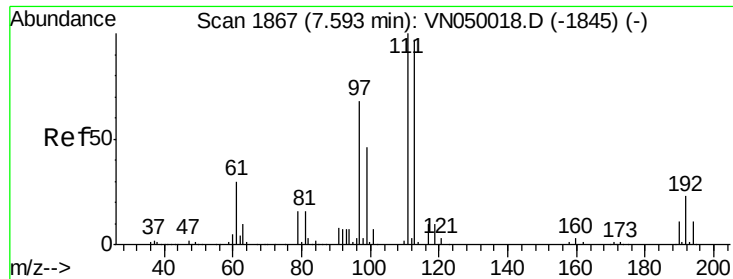
Tot Ion: 65 Resp: 476434
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050246.D
 Acq: 1 Aug 2018 13:55

Tgt Ion: 114 Resp: 1120597
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.2 0.0 31.2

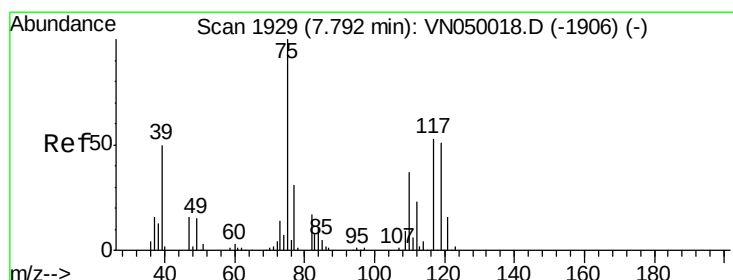
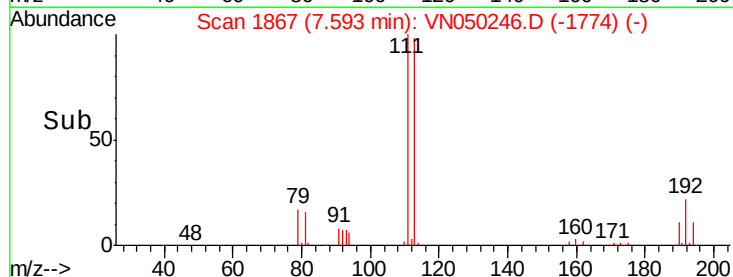
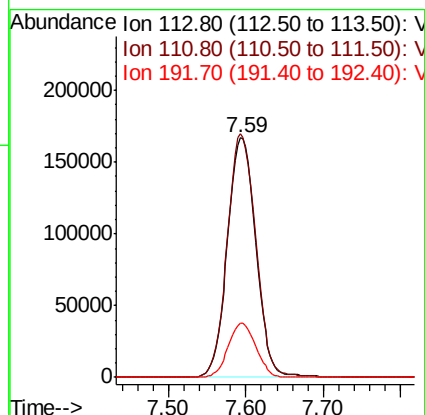
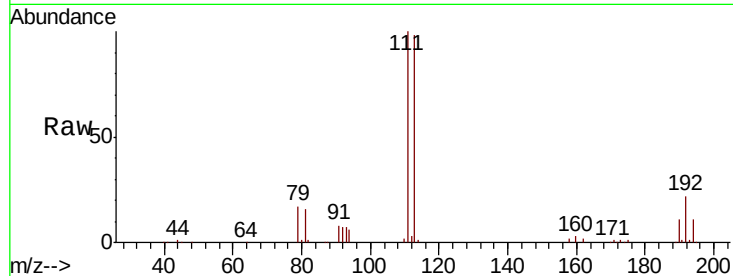




#35
 Dibromofluoromethane
 Concen: 46.66 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050246.D
 Acq: 1 Aug 2018 13:55

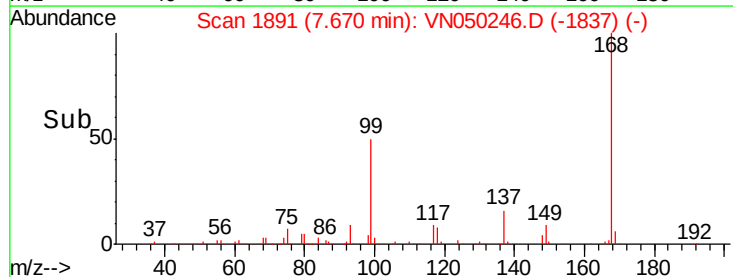
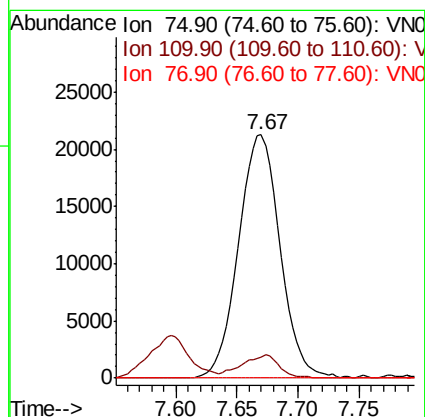
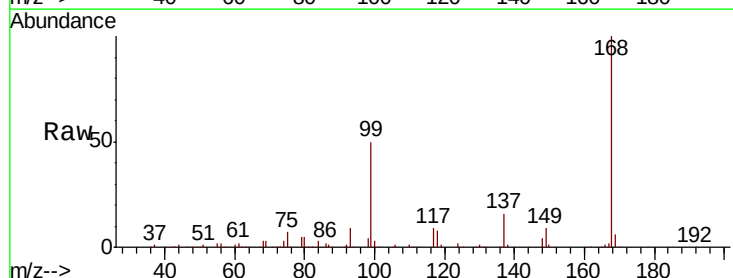
Instrument :
 MSVOA_N
 ClientSampleId :

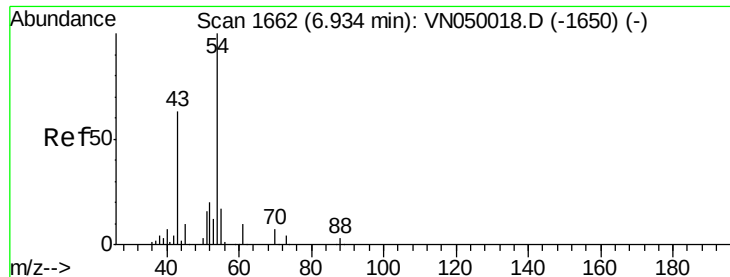
Tot Ion:113 Resp: 426868
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.96 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050246.D
 Acq: 1 Aug 2018 13:55

Tgt Ion: 75 Resp: 50029
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 25.3 37.9#

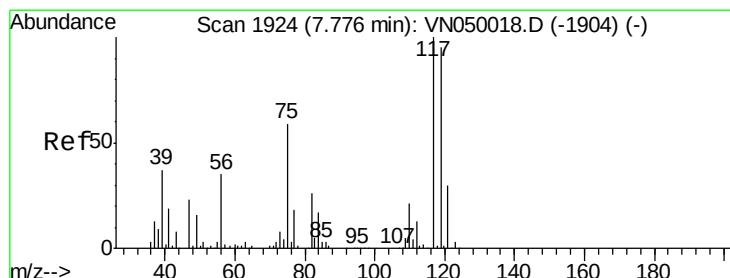
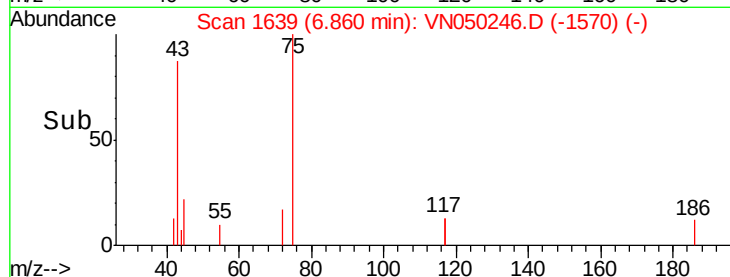
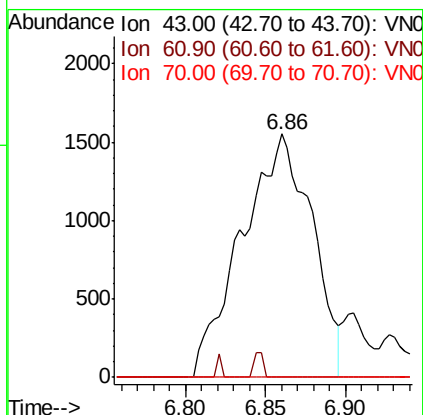
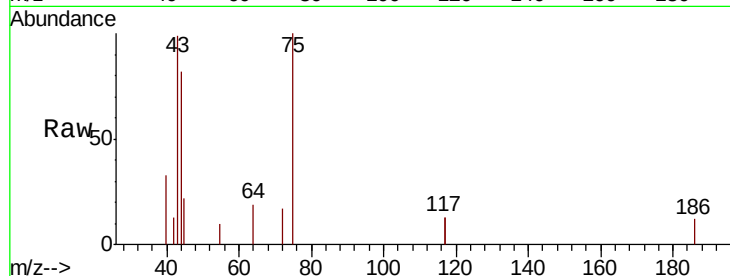




#37
Ethyl Acetate
Concen: 0.53 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. -0.08 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

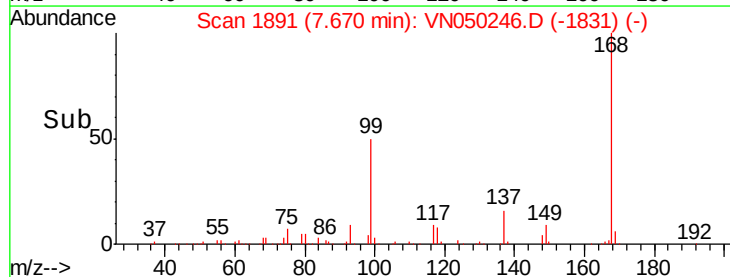
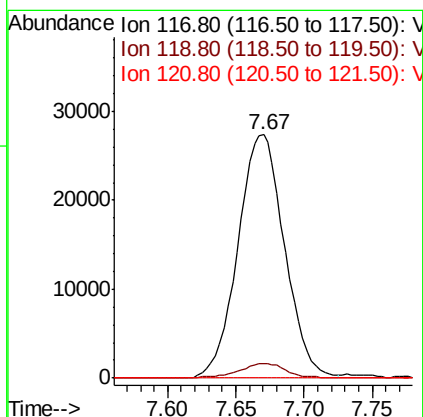
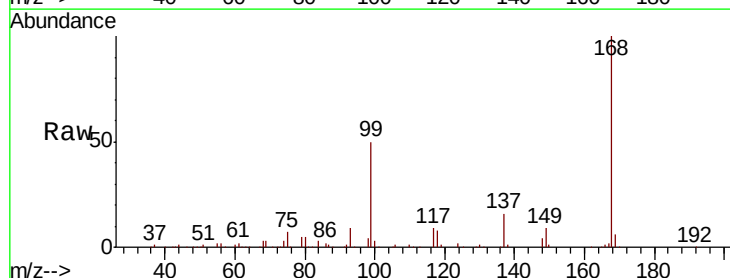
Instrument :
MSVOA_N
ClientSampled :

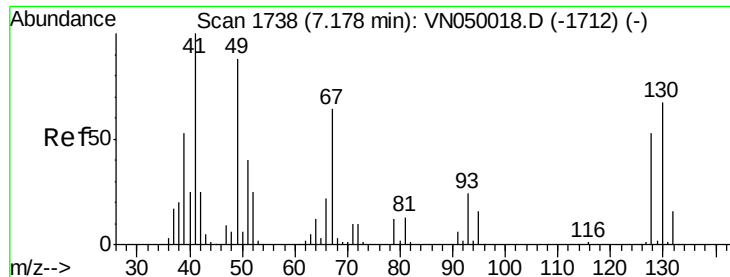
Tot Ion: 43 Resp: 4696
Ion Ratio Lower Upper
43 100
61 1.3 11.8 17.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.84 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

Tgt Ion: 117 Resp: 64868
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 23.9 35.9#

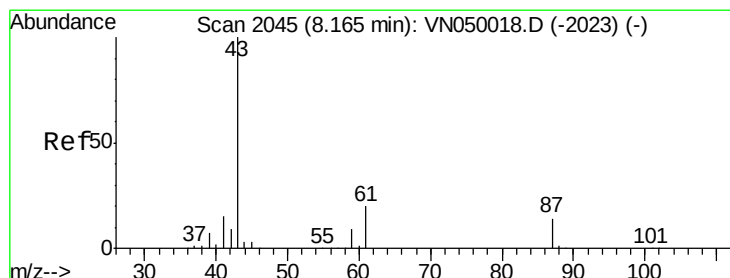
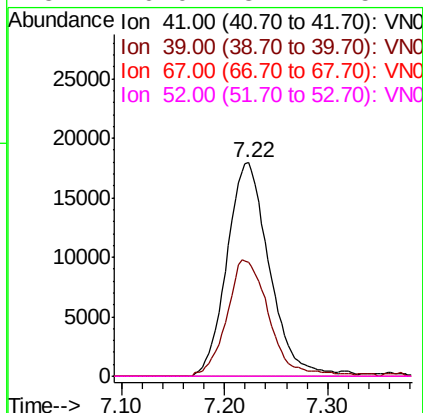
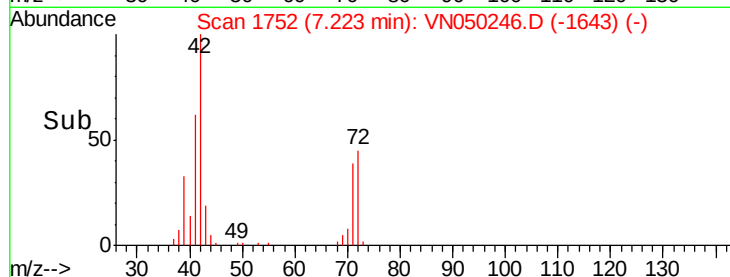
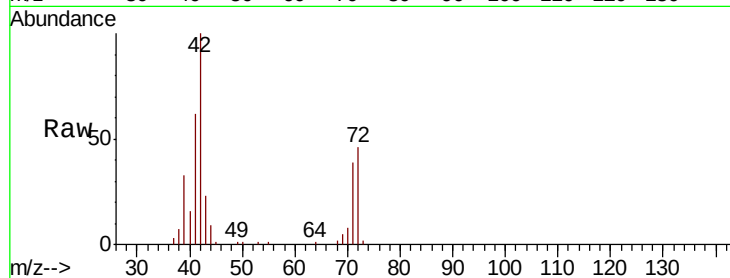




#41
Methacrylonitrile
Concen: 13.33 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.05 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

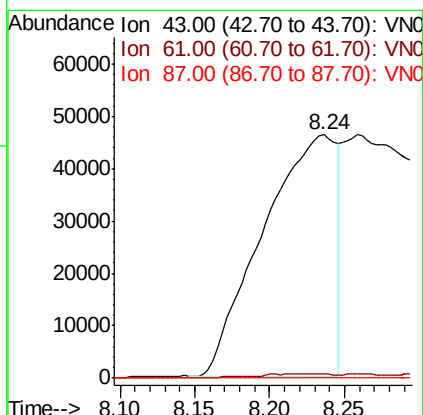
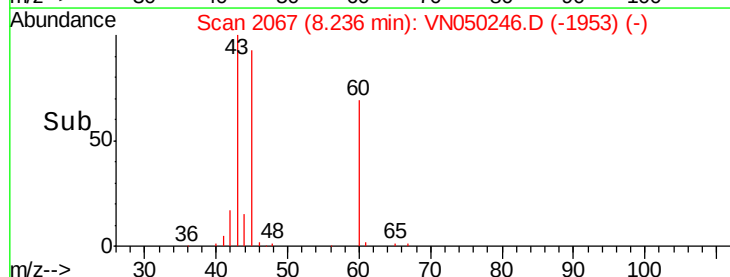
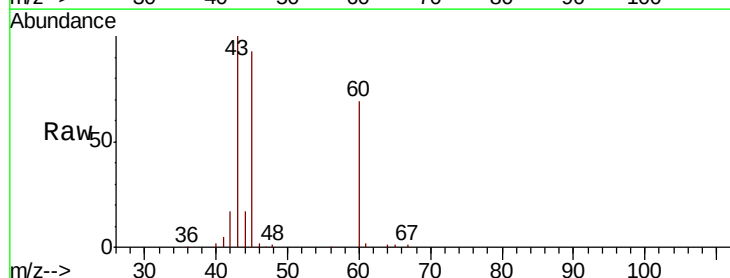
Instrument :
MSVOA_N
ClientSampled :

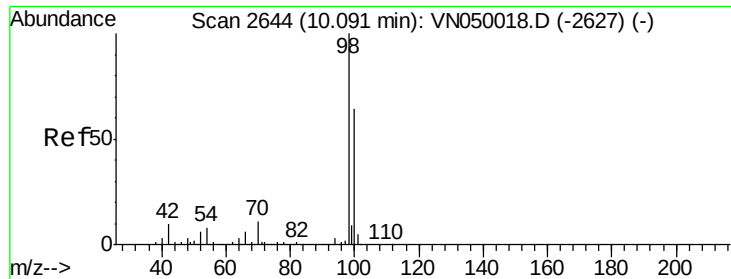
Tot Ion: 41 Resp: 51339
Ion Ratio Lower Upper
41 100
39 54.2 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 8.57 ug/l
RT: 8.24 min Scan# 2067
Delta R.T. 0.07 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

Tgt Ion: 43 Resp: 157860
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#

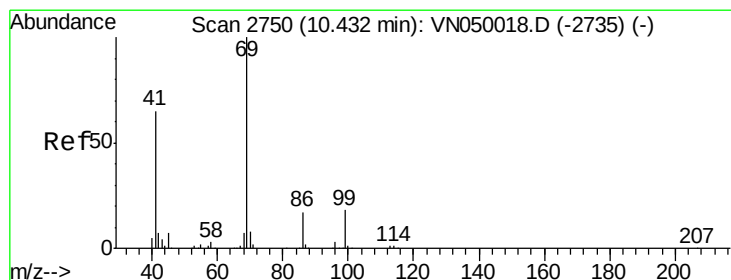
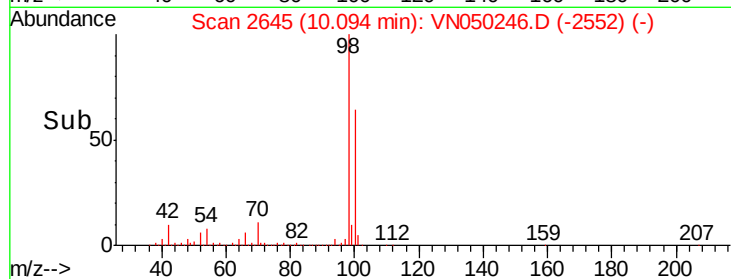
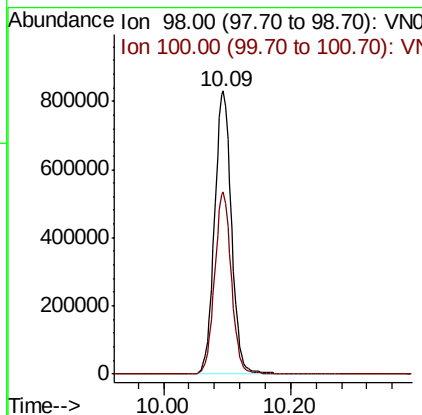
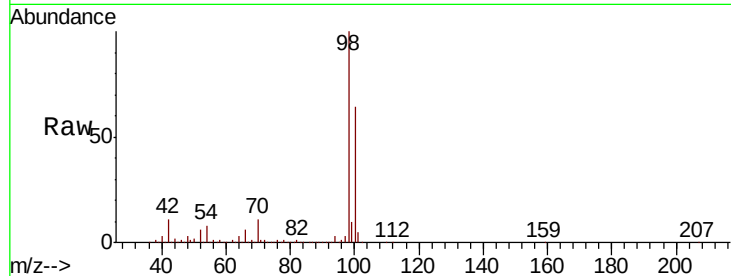




#50
Toluene-d8
Concen: 45.47 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

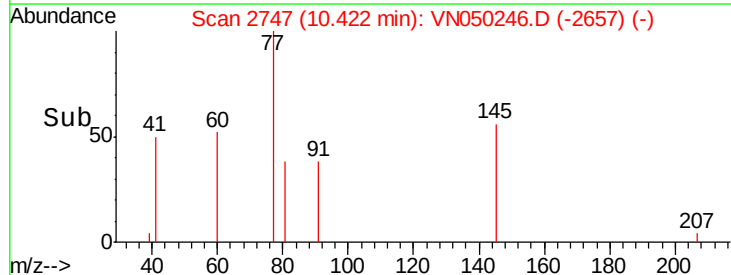
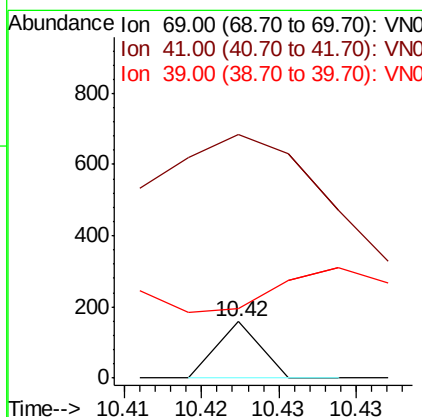
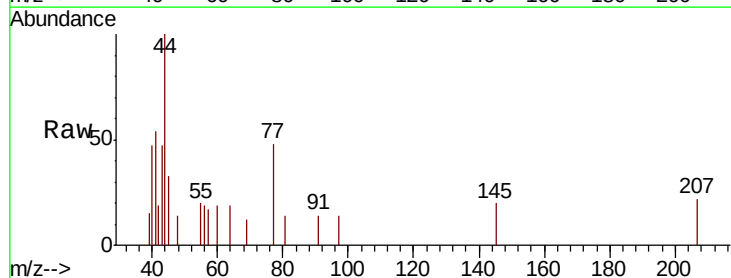
Instrument :
MSVOA_N
ClientSampled :

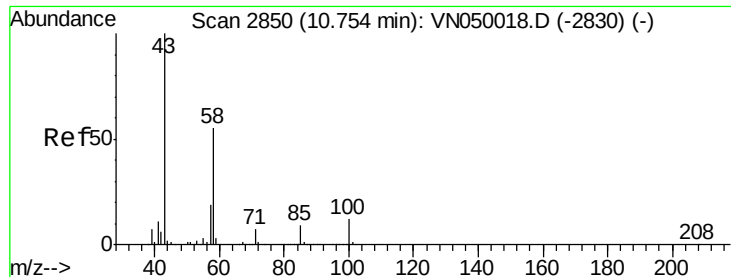
Tot Ion: 98 Resp: 1529585
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



#56
Ethyl methacrylate
Concen: 2.03 ug/l
RT: 10.42 min Scan# 2747
Delta R.T. -0.01 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

Tgt Ion: 69 Resp: 30
Ion Ratio Lower Upper
69 100
41 1830.0 51.0 76.4#
39 1026.7 26.6 40.0#

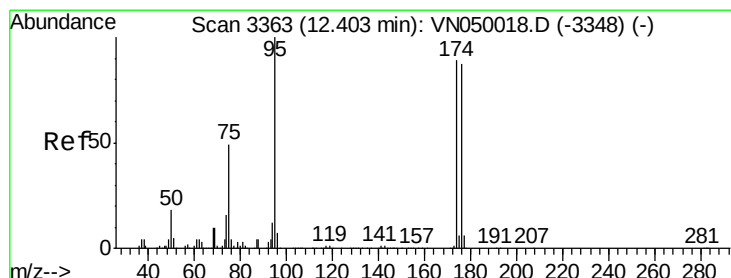
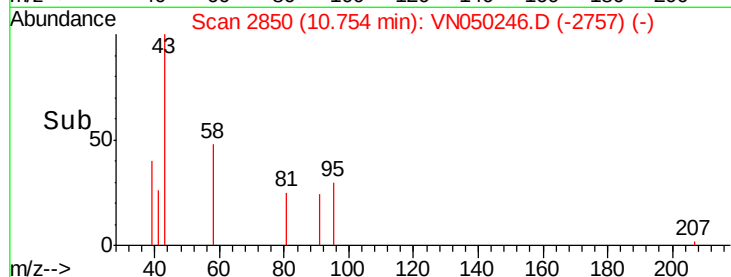
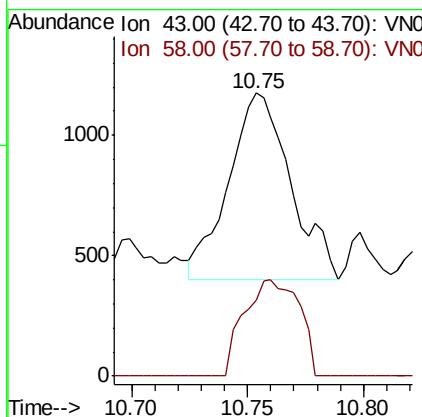
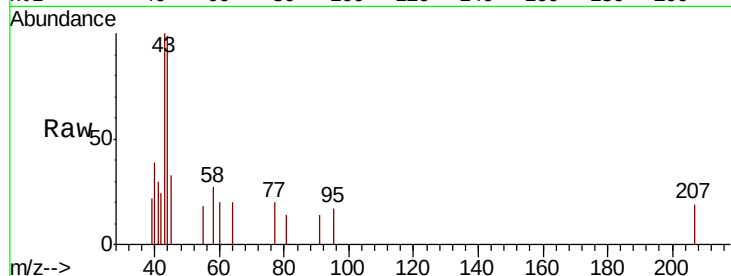




#59
2-Hexanone
Concen: 5.40 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

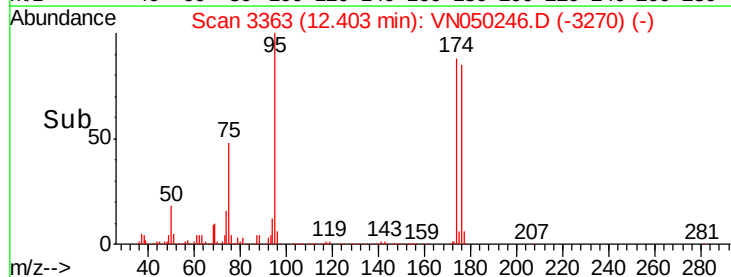
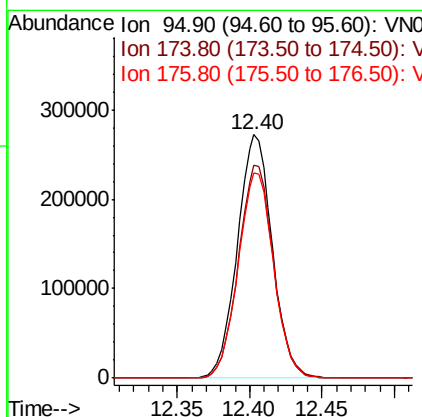
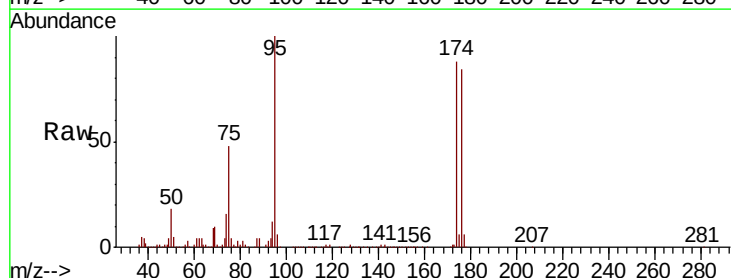
Instrument :
MSVOA_N
ClientSampled :

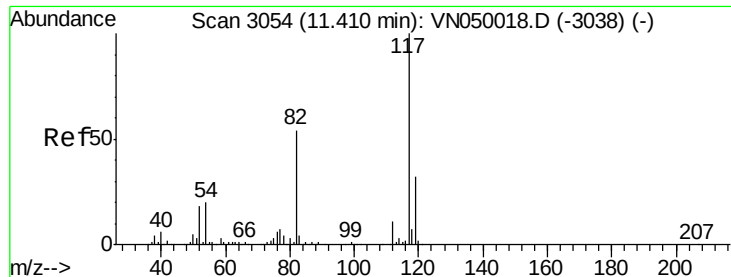
Tot Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
58 45.3 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 40.83 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

Tgt Ion: 95 Resp: 452196
Ion Ratio Lower Upper
95 100
174 88.3 0.0 178.2
176 86.1 0.0 173.4

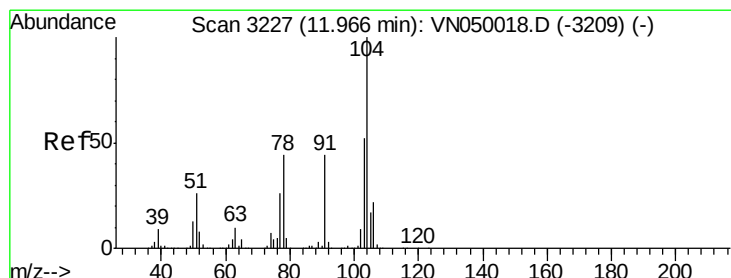
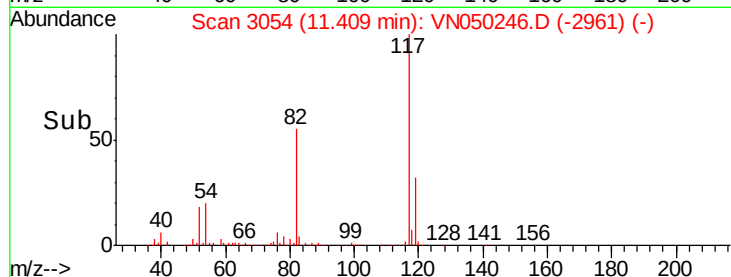
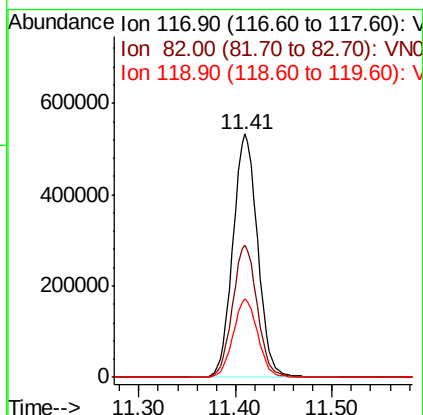
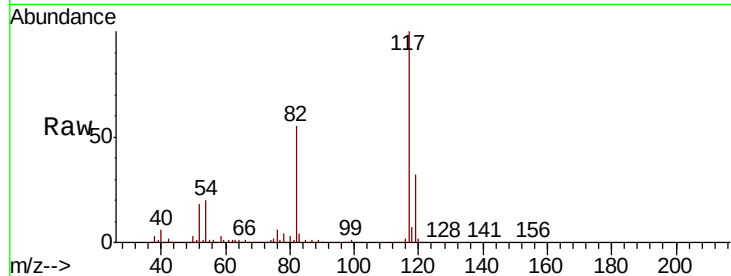




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

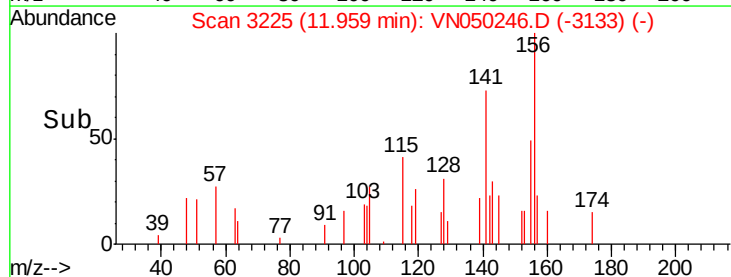
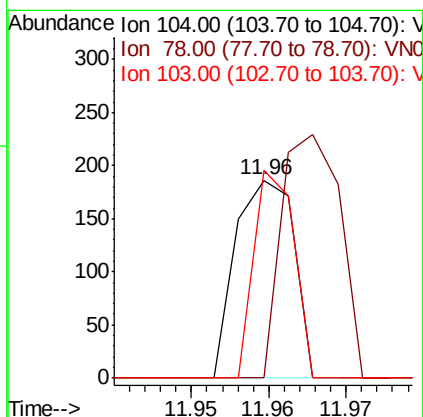
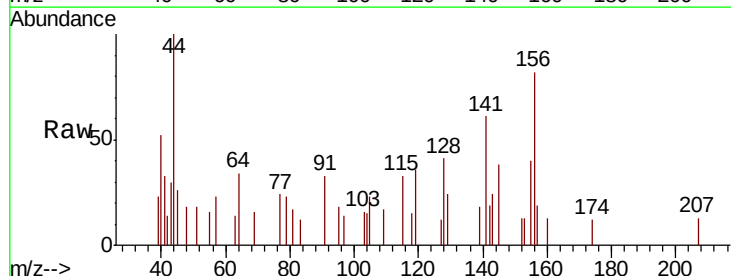
Instrument :
MSVOA_N
ClientSampled :

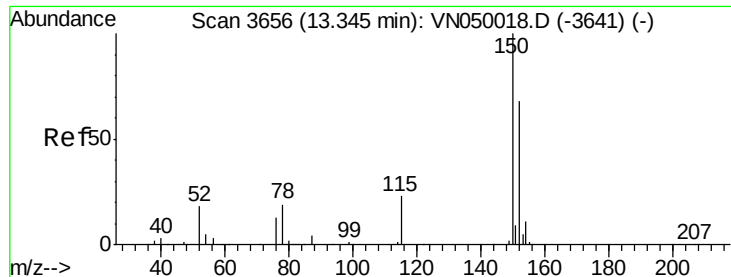
Tot Ion:117 Resp: 945670
Ion Ratio Lower Upper
117 100
82 54.5 43.7 65.5
119 32.3 26.1 39.1



#70
Styrene
Concen: 0.93 ug/l
RT: 11.96 min Scan# 3225
Delta R.T. -0.01 min
Lab File: VN050246.D
Acq: 1 Aug 2018 13:55

Tgt Ion:104 Resp: 98
Ion Ratio Lower Upper
104 100
78 122.4 39.3 58.9#
103 72.4 45.0 67.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

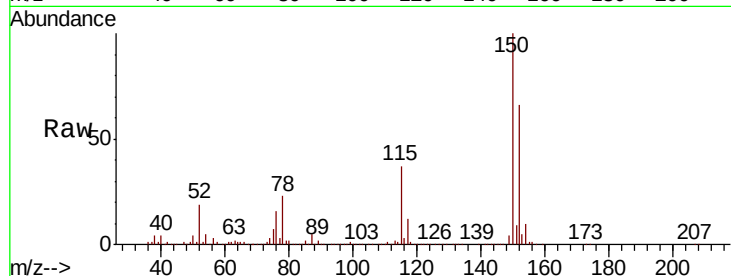
Tot Ion:152 Resp: 370545

Ion Ratio Lower Upper

152 100

115 57.3 27.8 83.3

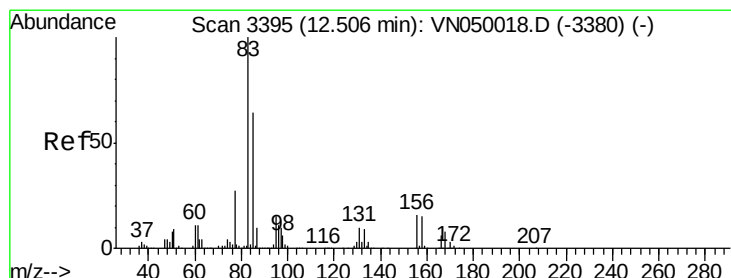
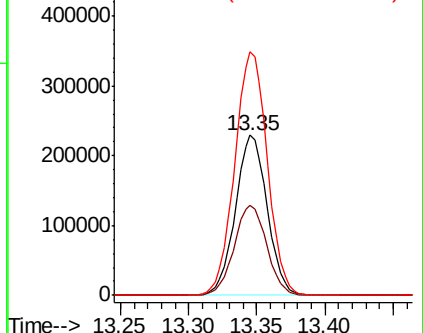
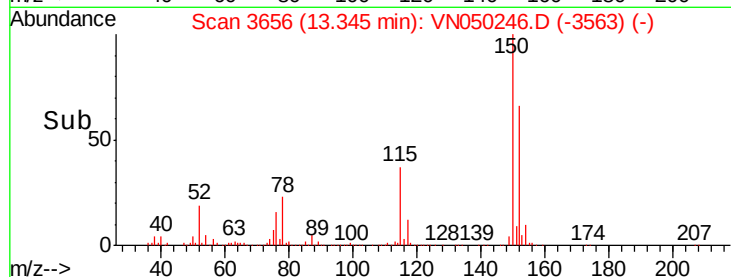
150 155.8 0.0 348.6



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: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

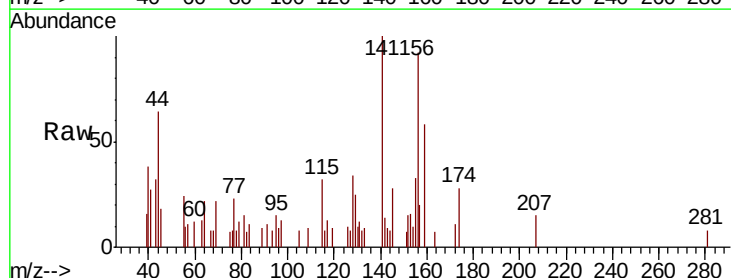
Tgt Ion: 83 Resp: 192

Ion Ratio Lower Upper

83 100

131 107.8 5.1 15.3#

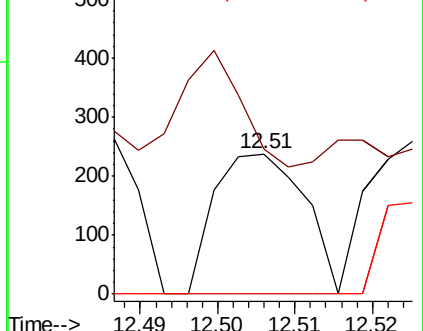
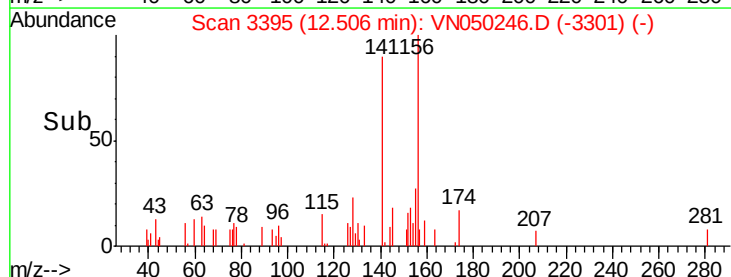
85 0.0 32.3 96.8#

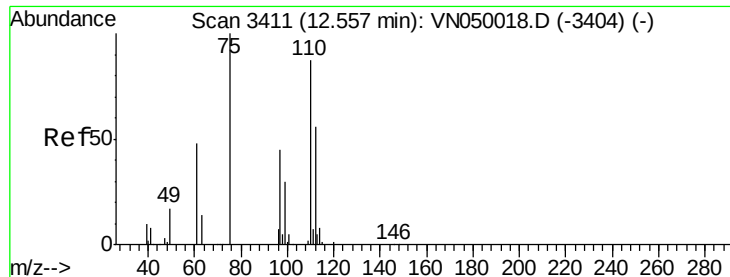


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 31.79 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

Instrument :

MSVOA_N

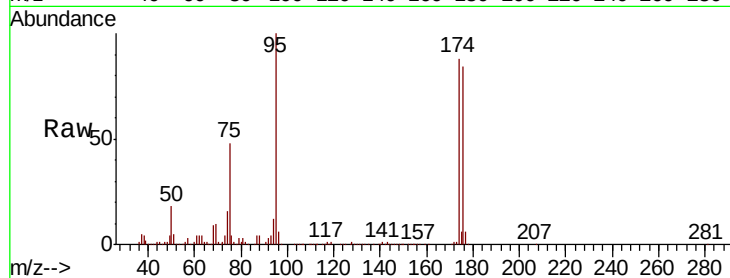
ClientSampled :

Tot Ion: 75 Resp: 218896

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)

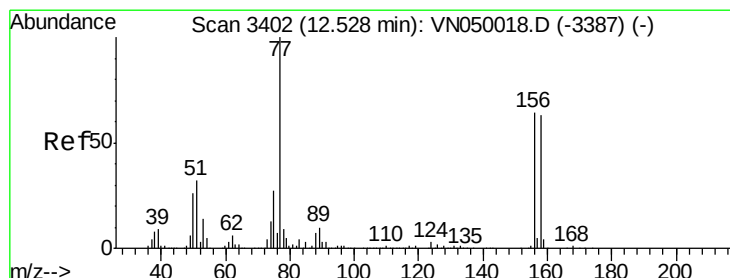
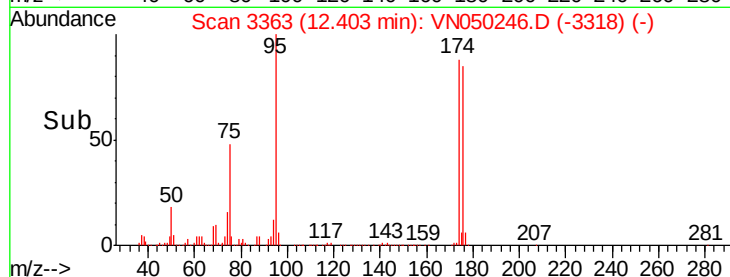
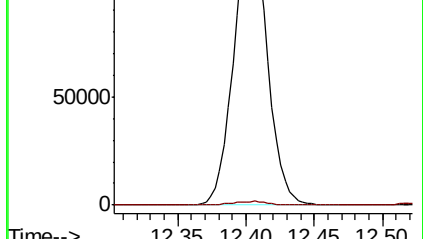
150000

100000

50000

0

12.35 12.40 12.45 12.50



#77

Bromobenzene

Concen: 2.04 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.03 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

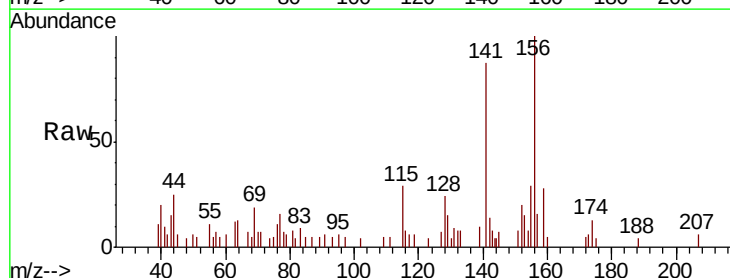
Tgt Ion: 156 Resp: 16220

Ion Ratio Lower Upper

156 100

77 1.4 91.7 275.1#

158 0.6 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): VN050018.D (-3387) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3387) (-)

Ion 157.80 (157.50 to 158.50): VN050018.D (-3387) (-)

6000

5000

4000

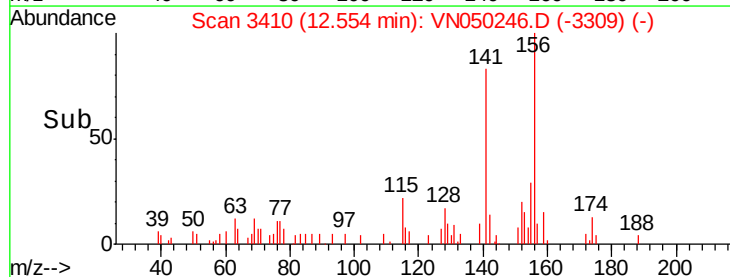
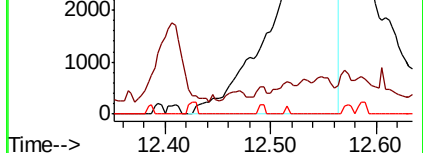
3000

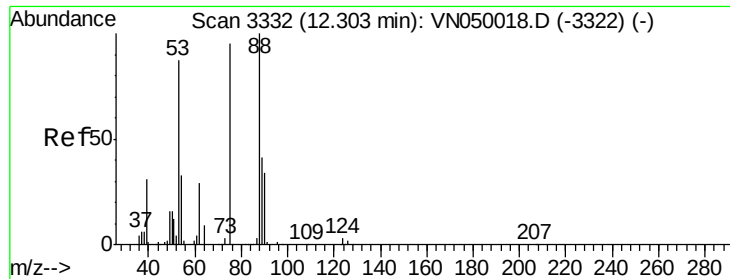
2000

1000

0

12.40 12.50 12.60





#81

trans-1,4-Dichloro-2-butene

Concen: 100.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

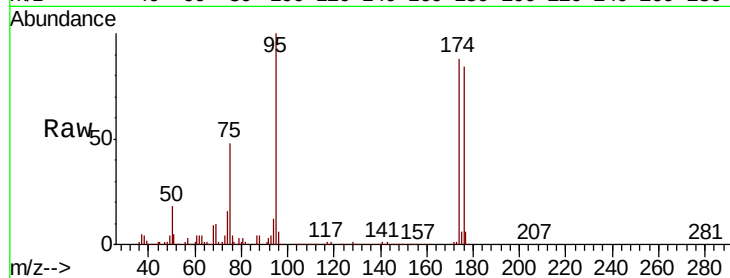
Tot Ion: 75 Resp: 218896

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

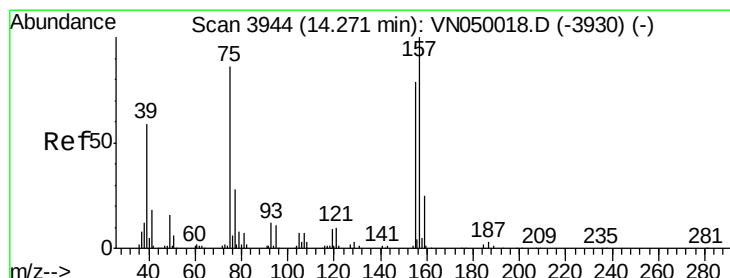
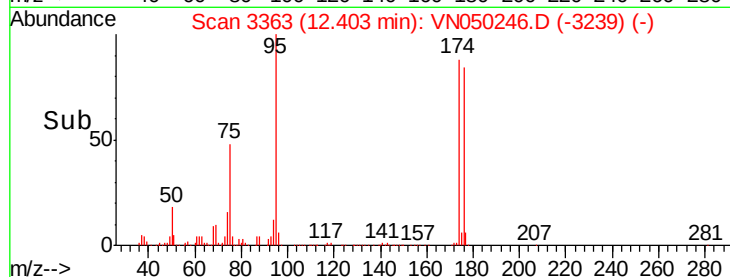
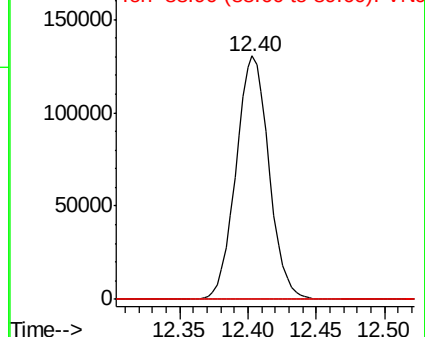
89 0.0 36.0 54.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.06 min Scan# 3877

Delta R.T. -0.22 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

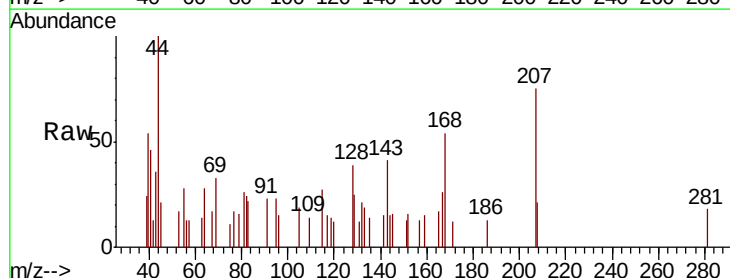
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

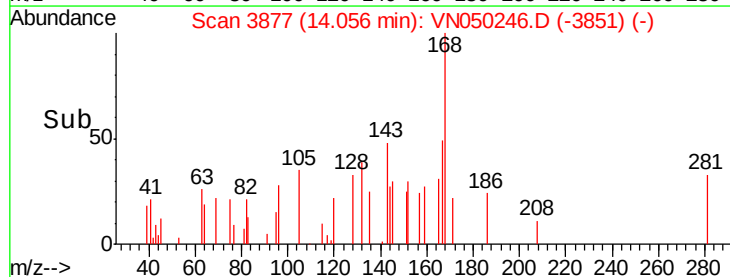
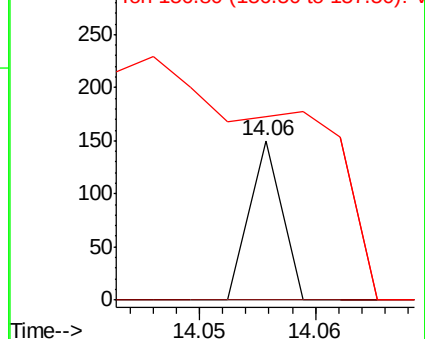
157 0.0 57.2 171.6#

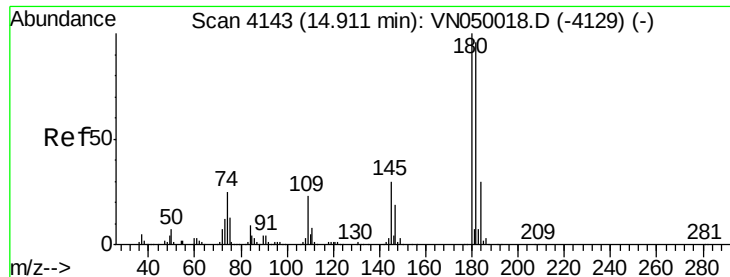


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 3.09 ug/l

RT: 14.92 min Scan# 4146

Delta R.T. 0.01 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

Instrument :

MSVOA_N

ClientSampled :

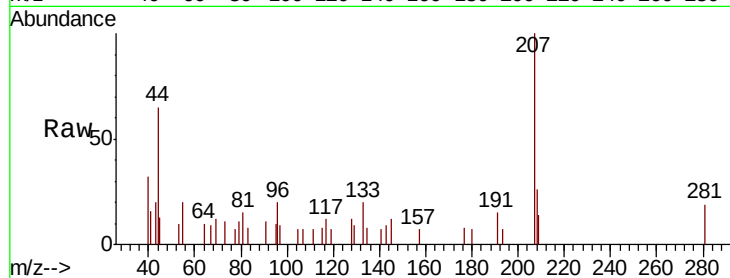
Tot Ion:180 Resp: 62

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.1#

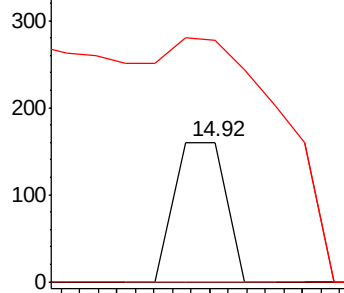
145 158.1 13.8 41.4#



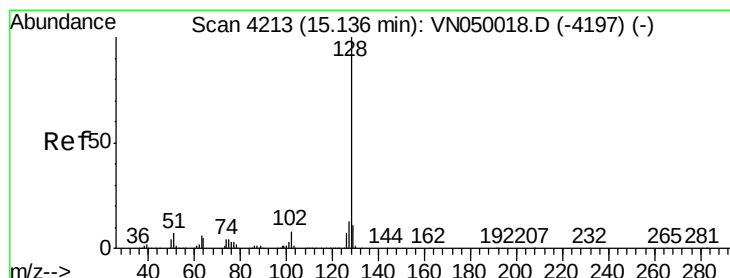
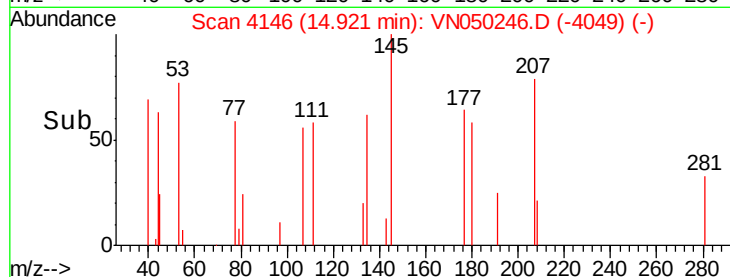
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#95

Naphthalene

Concen: 4.47 ug/l

RT: 15.13 min Scan# 4210

Delta R.T. -0.01 min

Lab File: VN050246.D

Acq: 1 Aug 2018 13:55

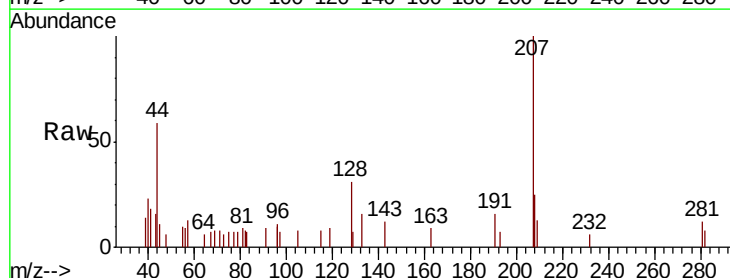
Tgt Ion:128 Resp: 944

Ion Ratio Lower Upper

128 100

127 10.8 10.4 15.6

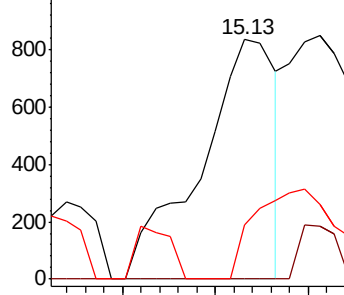
129 39.2 8.8 13.2#



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



Time-->

