

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050346.D
 Acq On : 4 Aug 2018 5:54
 Operator : MD\SY
 Sample : J4313-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-9

Quant Time: Aug 04 06:41:30 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	634114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1065140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	929974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	407411	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	454053	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
35) Dibromofluoromethane	7.59	113	396494	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
50) Toluene-d8	10.09	98	1461827	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
62) 4-Bromofluorobenzene	12.40	95	437683	41.57	ug/l	0.00
Spiked Amount			Recovery	=	83.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3363	0.34	ug/l	93
5) Bromomethane	2.57	94	4305	Below Cal	#	79
11) Tert butyl alcohol	4.81	59	294	0.45	ug/l	# 72
13) Acrolein	3.61	56	454	0.87	ug/l	94
16) Acetone	3.82	43	41397	15.80	ug/l	97
18) Methyl Acetate	4.34	43	12762	Below Cal		97
20) Methylene Chloride	4.55	84	59705	6.52	ug/l	97
25) 2-Butanone	6.85	43	2855	0.85	ug/l	# 88
28) Bromochloromethane	7.38	49	2393	0.36	ug/l	# 10
29) Tetrahydrofuran	7.22	42	1231	0.56	ug/l	# 34
30) Chloroform	7.37	83	30736	2.05	ug/l	97
31) Cyclohexane	7.67	56	12033	0.92	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	45536	3.79	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	57694	4.53	ug/l	# 16
41) Methacrylonitrile	7.22	41	364	2.83	ug/l	# 36
43) Isopropyl Acetate	8.17	43	255964	15.45	ug/l	94
47) Bromodichloromethane	9.41	83	6745	0.53	ug/l	96
48) Methyl methacrylate	9.18	41	6850	0.95	ug/l	# 24
51) 4-Methyl-2-Pentanone	9.99	43	2424	0.29	ug/l	92
56) Ethyl methacrylate	10.23	69	2590	2.25	ug/l	# 70
59) 2-Hexanone	10.77	43	11176	6.99	ug/l	65
70) Styrene	11.97	104	627	0.95	ug/l	# 38
71) Bromoform	12.40	173	3940	0.60	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.40	83	328	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	210667	27.82	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	210667	88.25	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.04	105	9981	0.40	ug/l	97
90) Hexachloroethane	13.89	117	2406	0.44	ug/l	# 4
92) 1,2-Dibromo-3-Chloropropan	14.28	75	296	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	641	3.16	ug/l	# 23
95) Naphthalene	15.14	128	3561739	178.94	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	144	2.22	ug/l	# 1

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QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

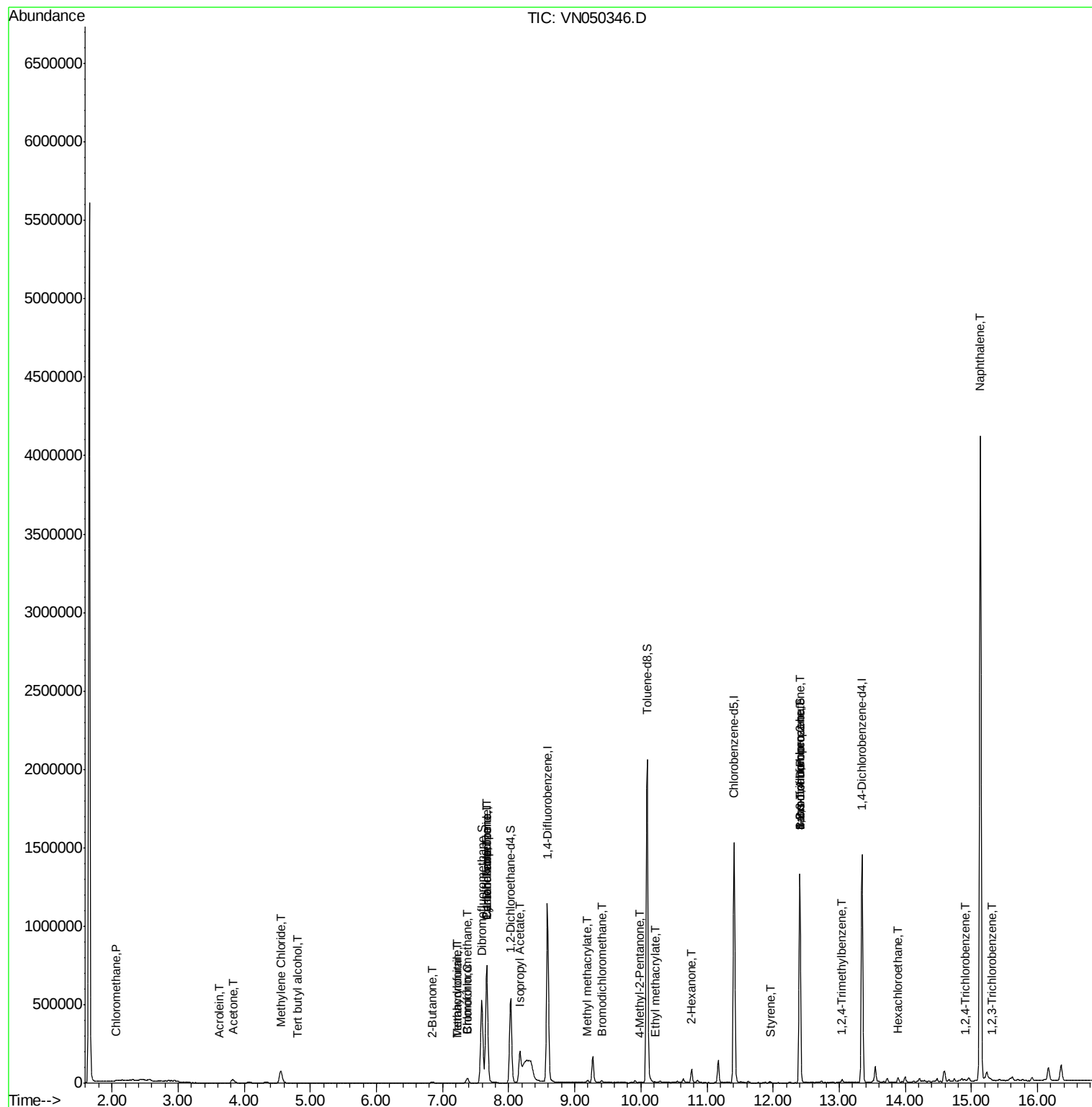
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

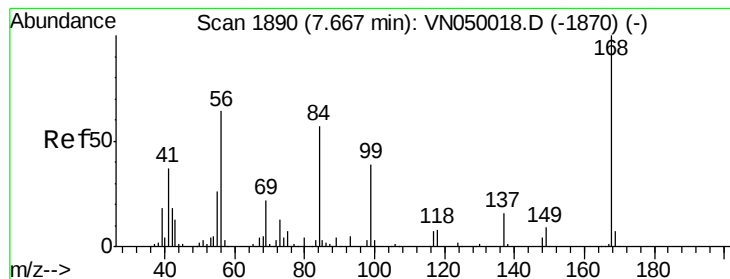
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

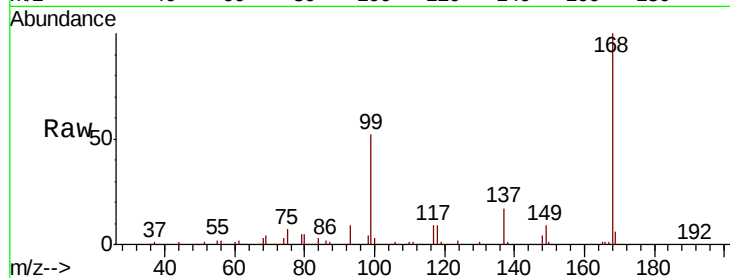
Instrument :
MSVOA_N
ClientSampled :
C-9

Tot Ion:168 Resp: 634114

Ion Ratio Lower Upper

168 100

99 52.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

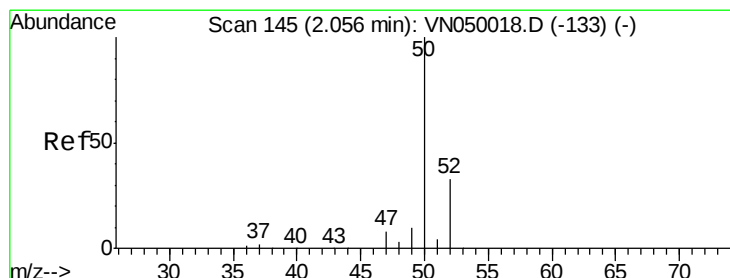
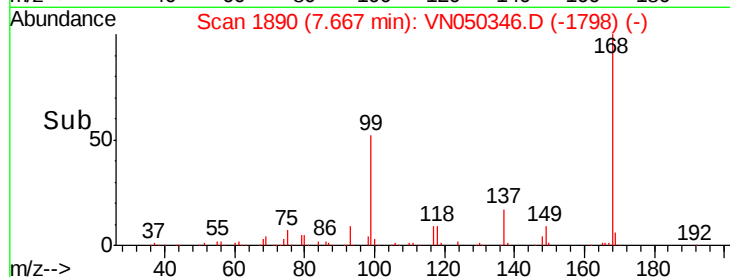
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.34 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050346.D

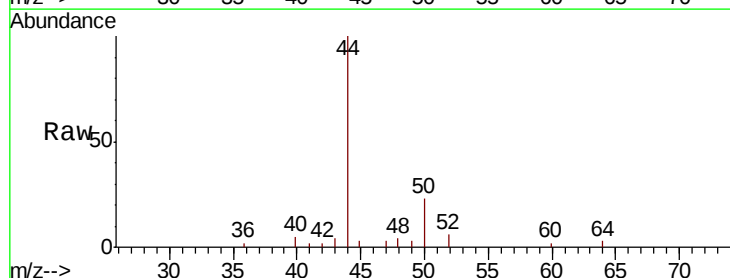
Acq: 4 Aug 2018 5:54

Tgt Ion: 50 Resp: 3363

Ion Ratio Lower Upper

50 100

52 28.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2500

2000

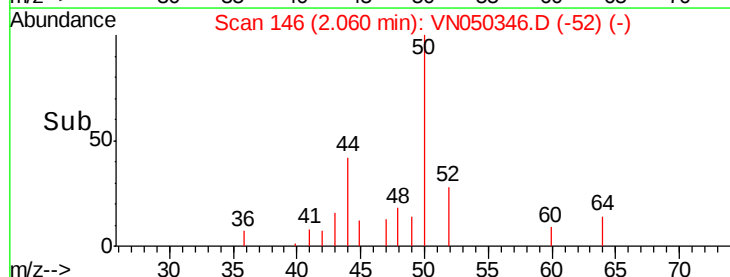
1500

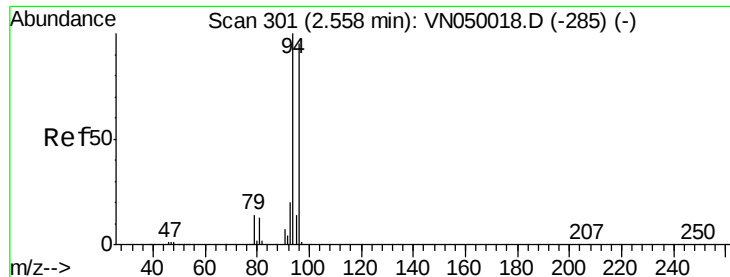
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :

MSVOA_N

ClientSampled :

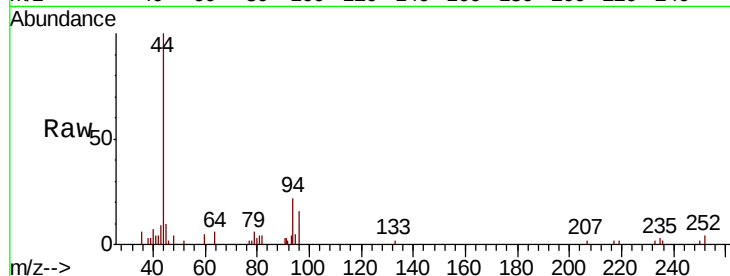
C-9

Tot Ion: 94 Resp: 4305

Ion Ratio Lower Upper

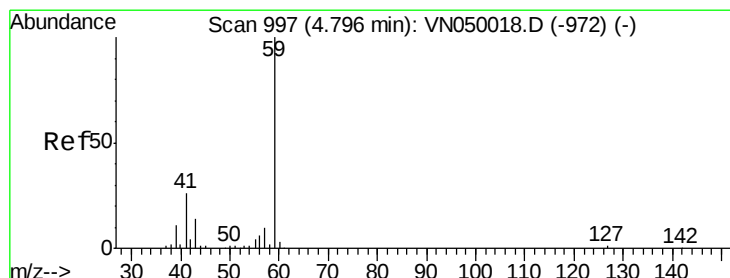
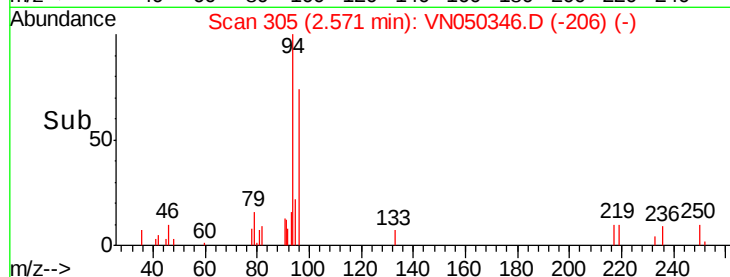
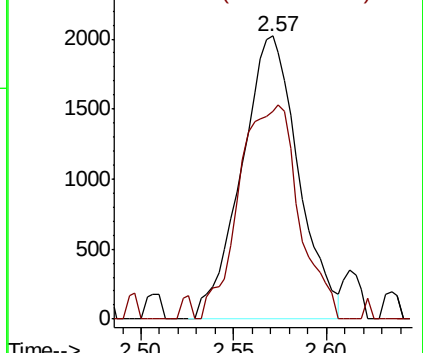
94 100

96 73.5 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.45 ug/l

RT: 4.81 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN050346.D

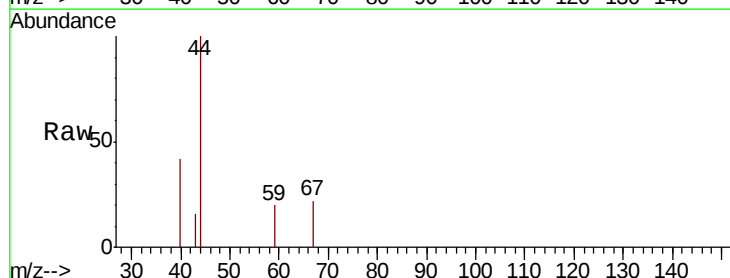
Acq: 4 Aug 2018 5:54

Tgt Ion: 59 Resp: 294

Ion Ratio Lower Upper

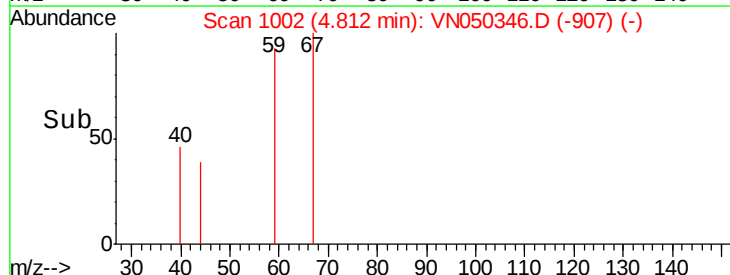
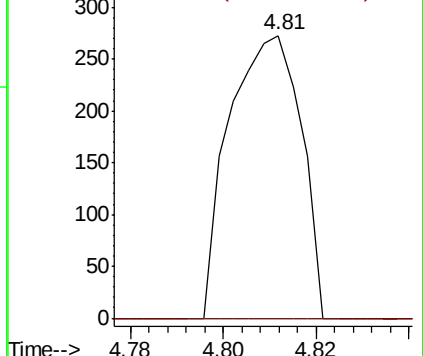
59 100

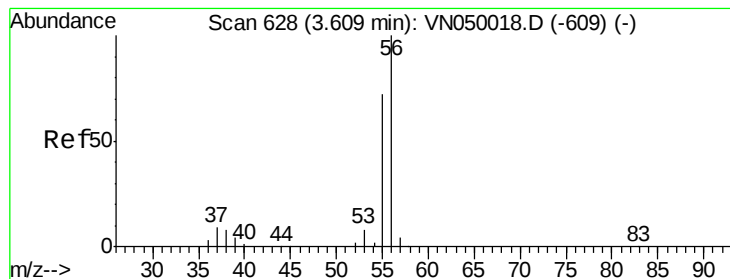
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.87 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

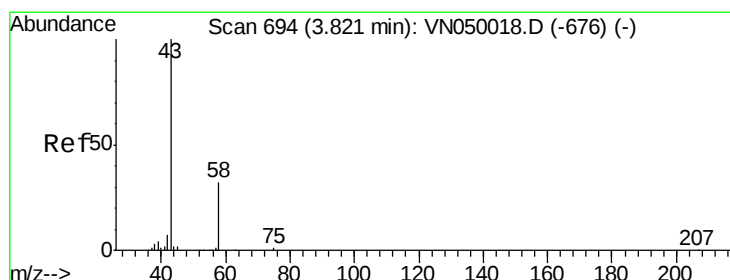
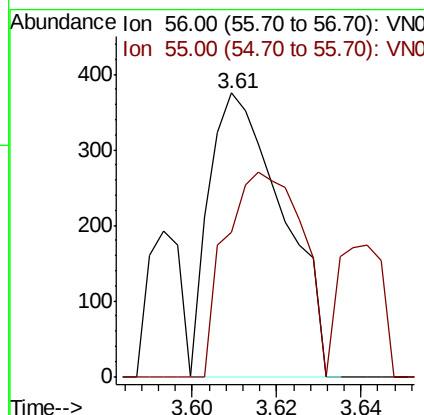
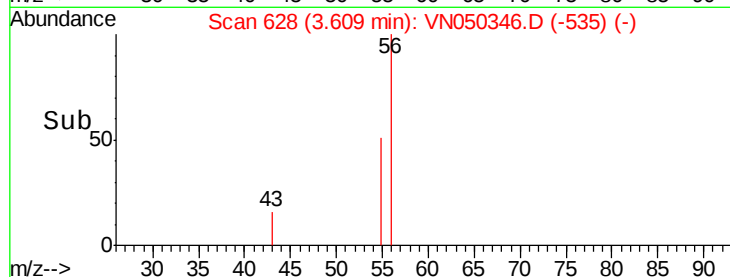
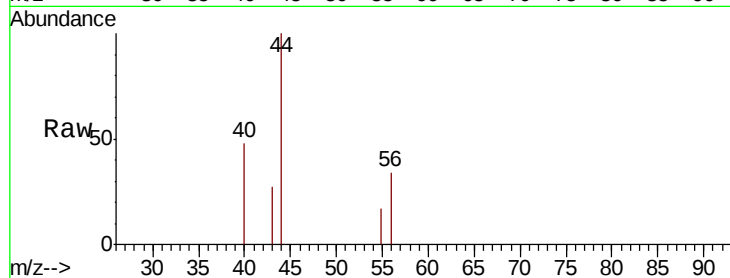
Instrument :
MSVOA_N
ClientSampled :
C-9

Tot Ion: 56 Resp: 454

Ion Ratio Lower Upper

56 100

55 74.9 55.8 83.6



#16

Acetone

Concen: 15.80 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050346.D

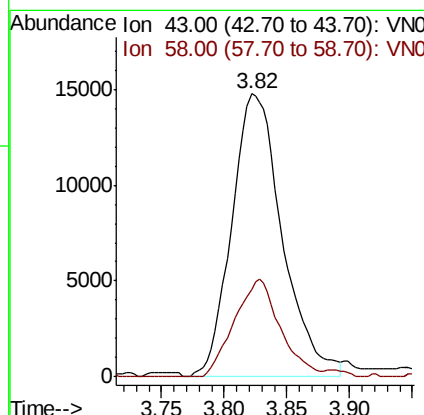
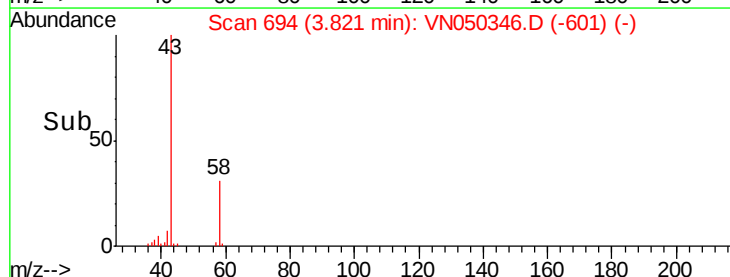
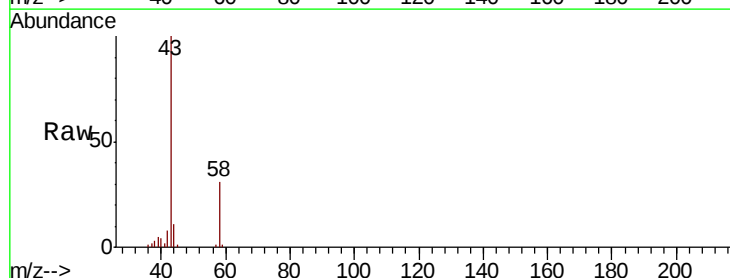
Acq: 4 Aug 2018 5:54

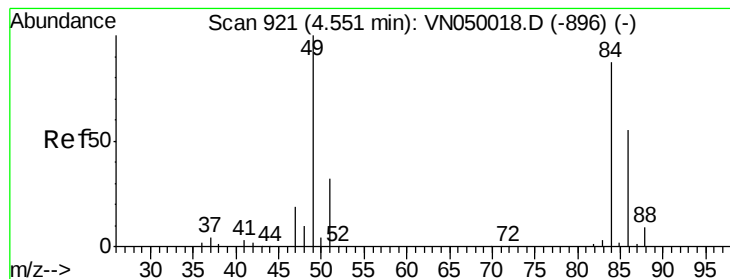
Tgt Ion: 43 Resp: 41397

Ion Ratio Lower Upper

43 100

58 30.9 25.8 38.8





#20

Methylene Chloride

Concen: 6.52 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :
MSVOA_N
ClientSampled :
C-9

Tot Ion: 84 Resp: 59705

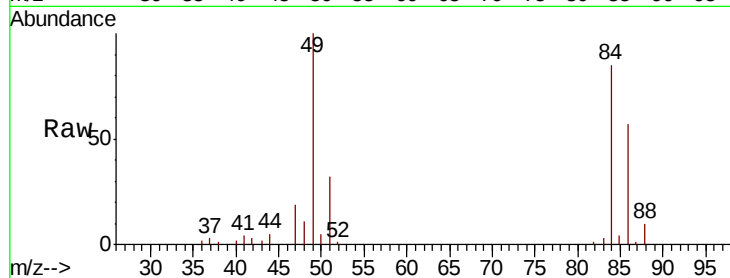
Ion Ratio Lower Upper

84 100

49 117.2 94.8 142.2

51 37.3 28.3 42.5

86 67.4 51.0 76.6

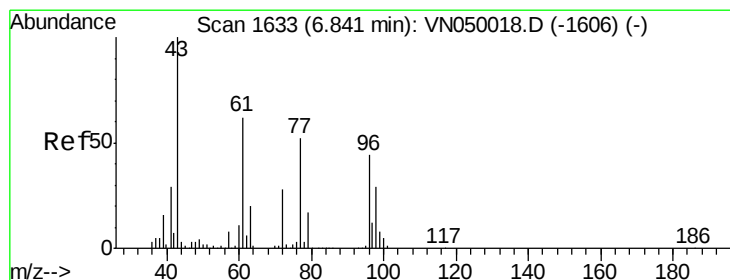
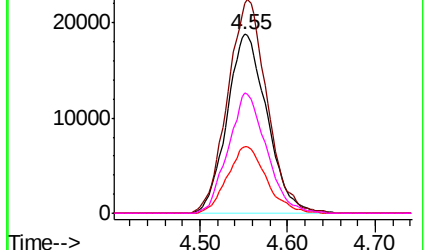
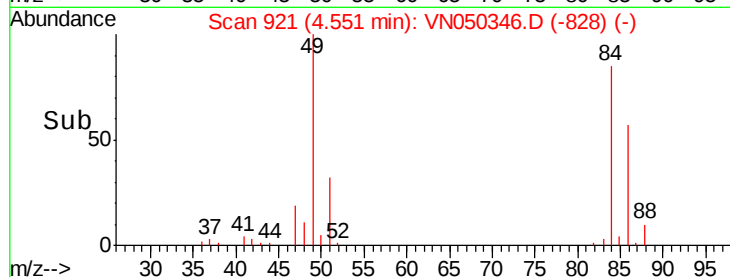


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.85 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VN050346.D

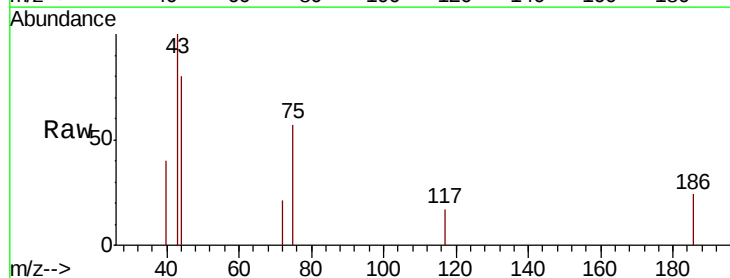
Acq: 4 Aug 2018 5:54

Tgt Ion: 43 Resp: 2855

Ion Ratio Lower Upper

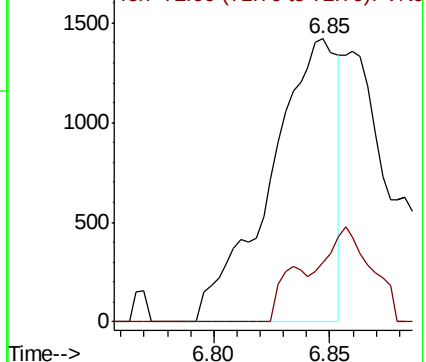
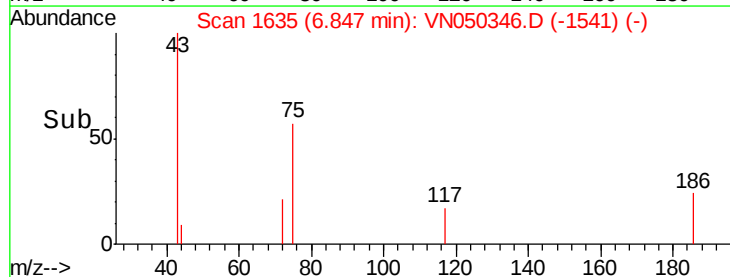
43 100

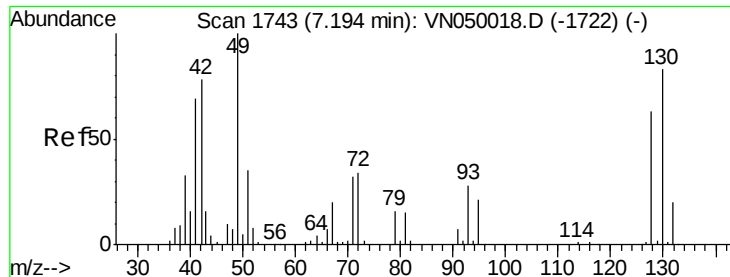
72 20.8 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#28

Bromochloromethane

Concen: 0.36 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.18 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :
MSVOA_N
ClientSampled :
C-9

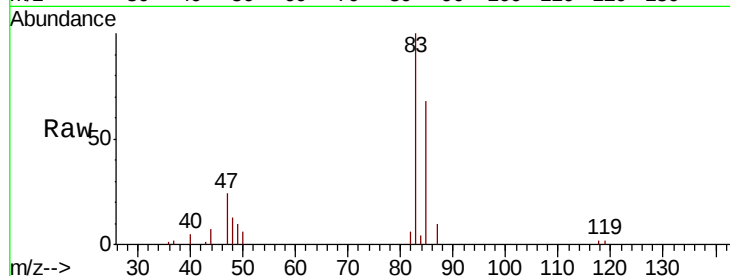
Tot Ion: 49 Resp: 2393

Ion Ratio Lower Upper

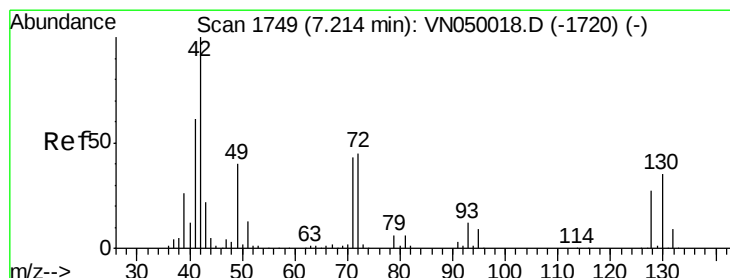
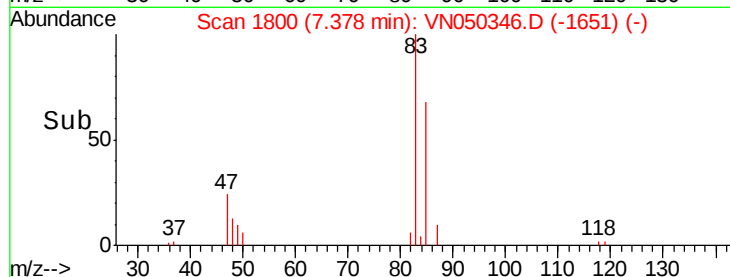
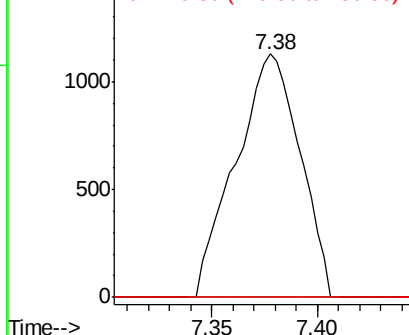
49 100

129 0.0 0.0 4.0

130 0.0 66.3 99.5#



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO



#29

Tetrahydrofuran

Concen: 0.56 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

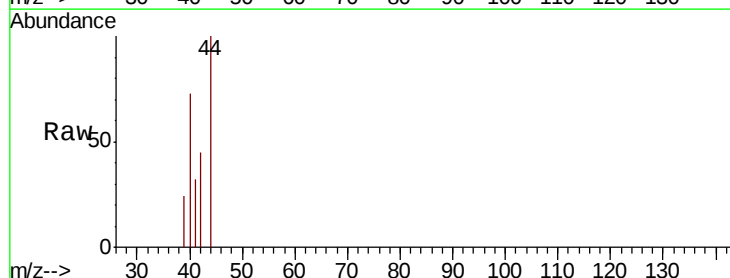
Tgt Ion: 42 Resp: 1231

Ion Ratio Lower Upper

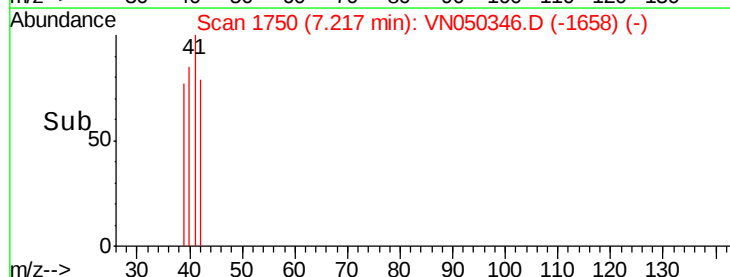
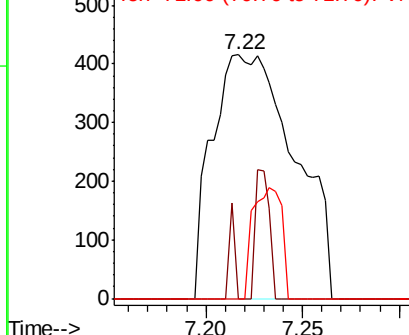
42 100

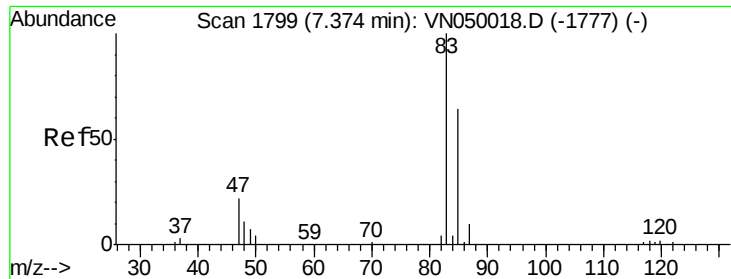
72 2.5 35.9 53.9#

71 0.0 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

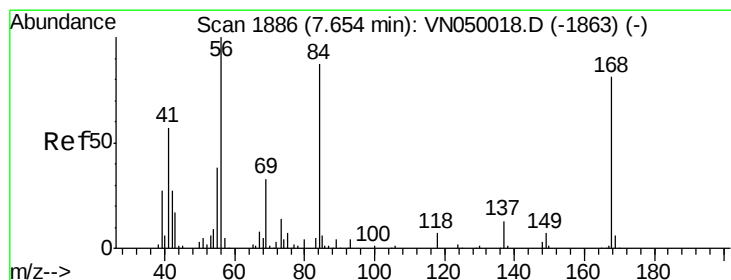
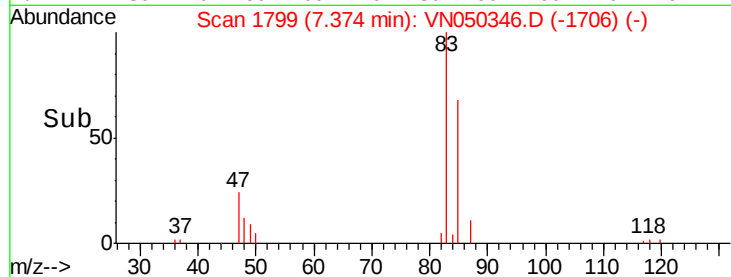
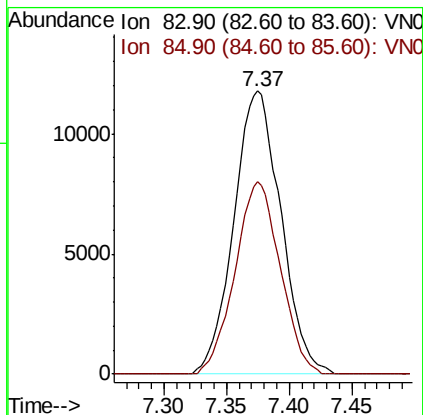
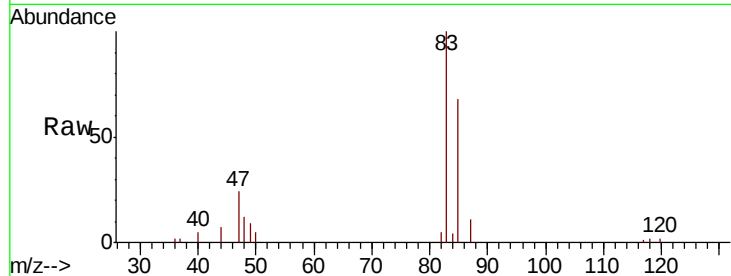




#30
Chloroform
Concen: 2.05 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050346.D
Acq: 4 Aug 2018 5:54

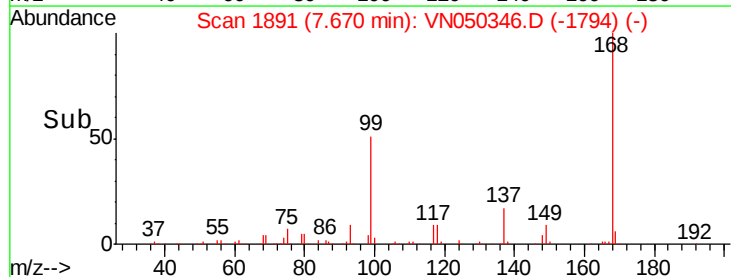
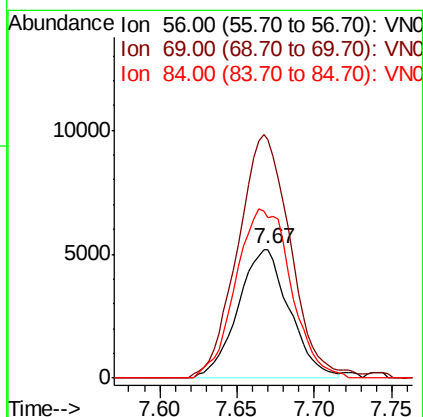
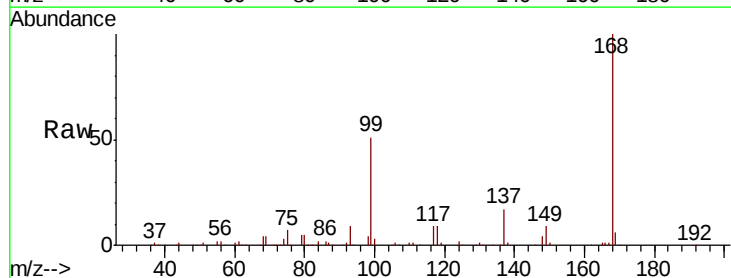
Instrument :
MSVOA_N
ClientSampled :
C-9

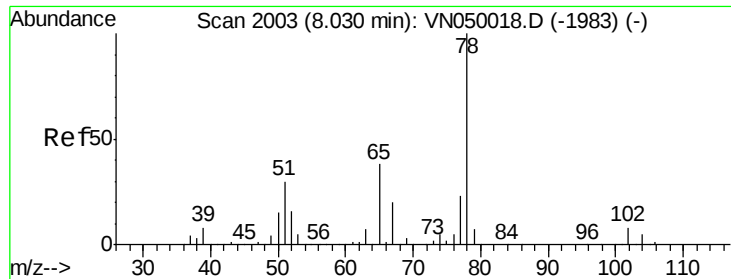
Tot Ion: 83 Resp: 30736
Ion Ratio Lower Upper
83 100
85 68.0 52.5 78.7



#31
Cyclohexane
Concen: 0.92 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050346.D
Acq: 4 Aug 2018 5:54

Tgt Ion: 56 Resp: 12033
Ion Ratio Lower Upper
56 100
69 185.0 26.2 39.4#
84 124.3 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.32 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :

MSVOA_N

ClientSampleId :

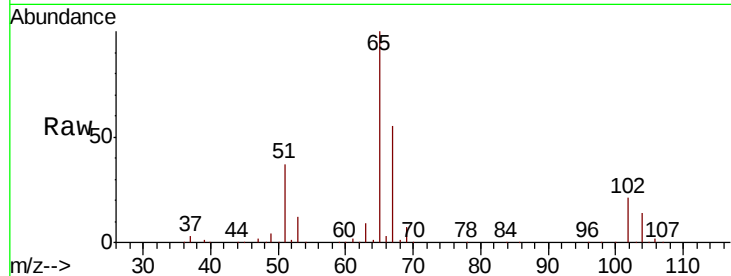
C-9

Tot Ion: 65 Resp: 454053

Ion Ratio Lower Upper

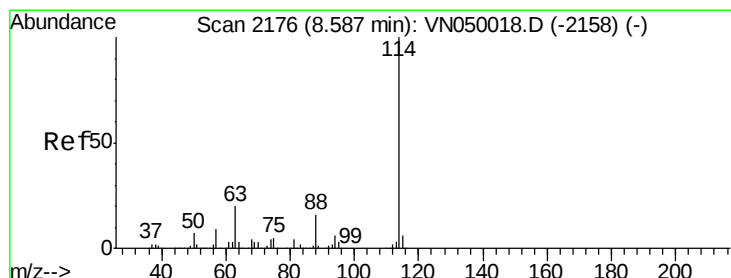
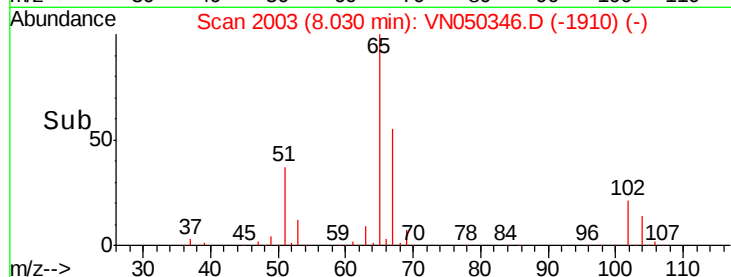
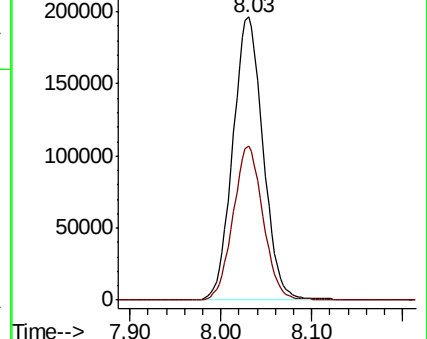
65 100

67 54.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

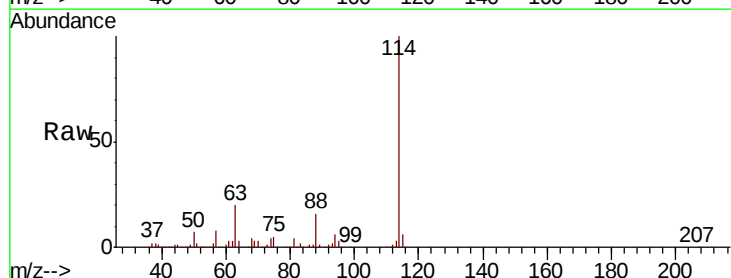
Tgt Ion: 114 Resp: 1065140

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

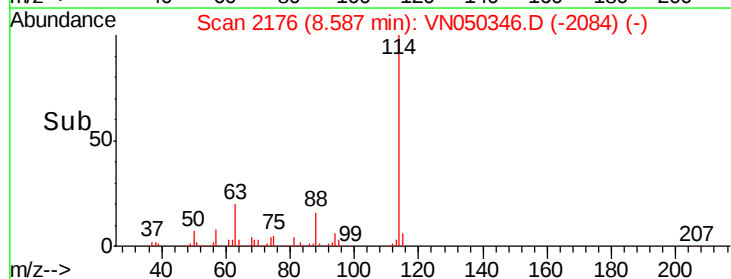
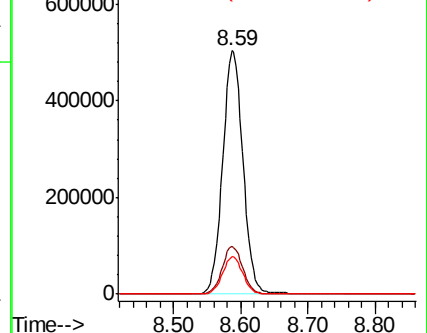
88 15.5 0.0 31.2

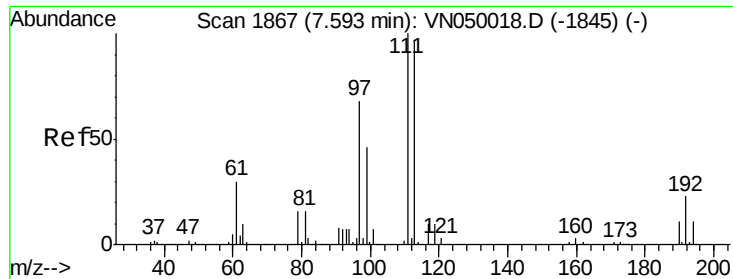


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

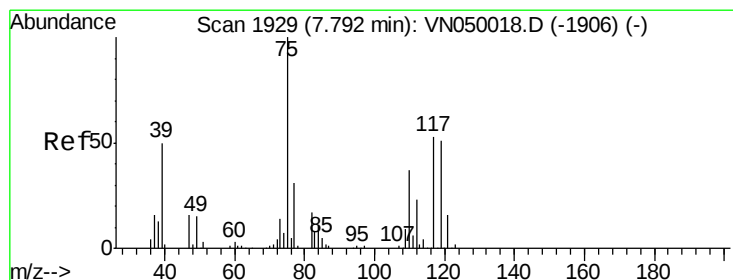
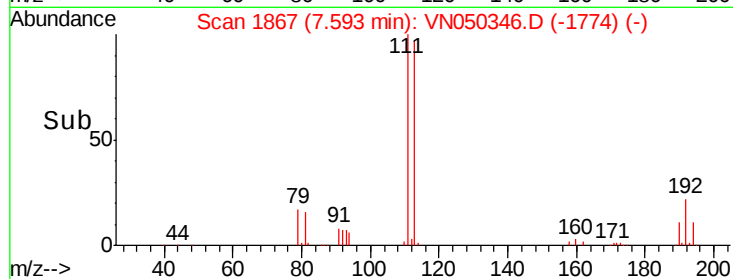
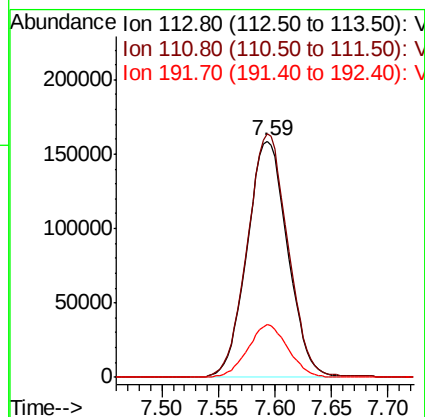
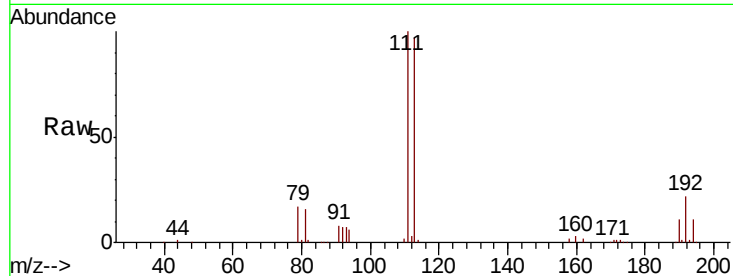




#35
 Dibromofluoromethane
 Concen: 45.59 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050346.D
 Acq: 4 Aug 2018 5:54

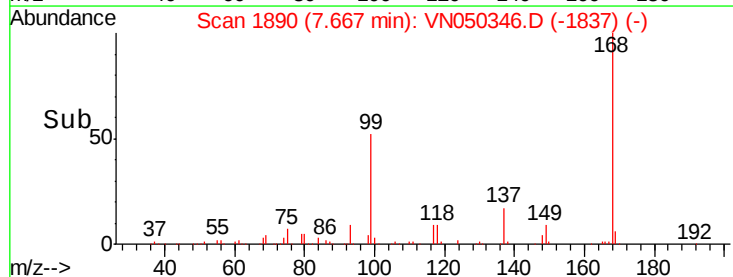
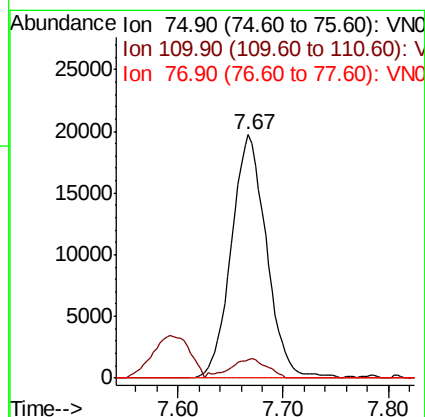
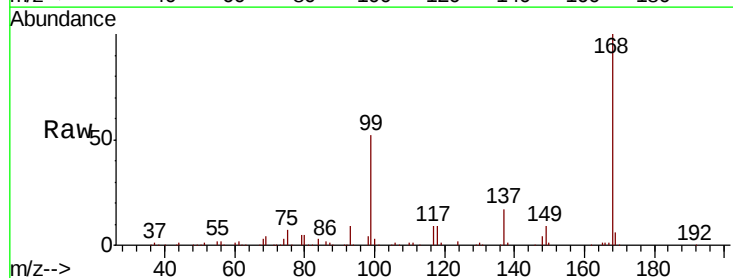
Instrument :
 MSVOA_N
 ClientSampleId :
 C-9

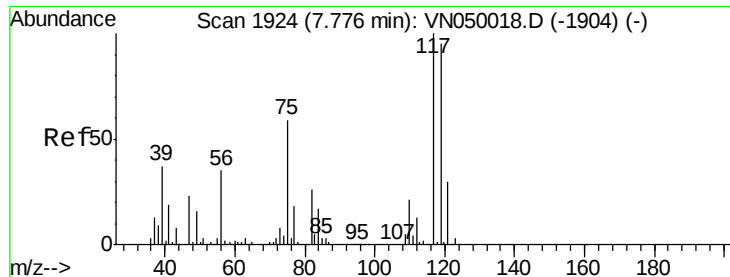
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.7	121.1
192	22.0	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050346.D
 Acq: 4 Aug 2018 5:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.4	55.2#
77	0.0	25.3	37.9#

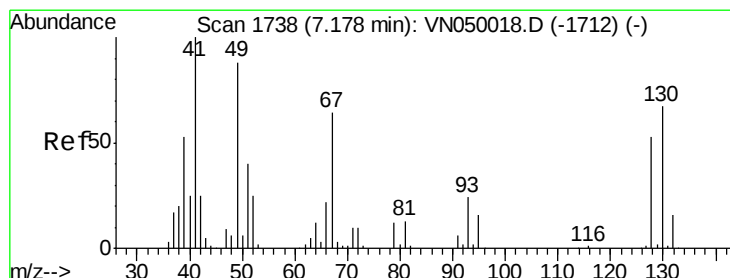
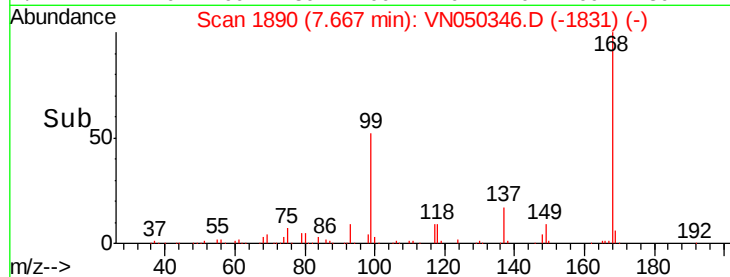
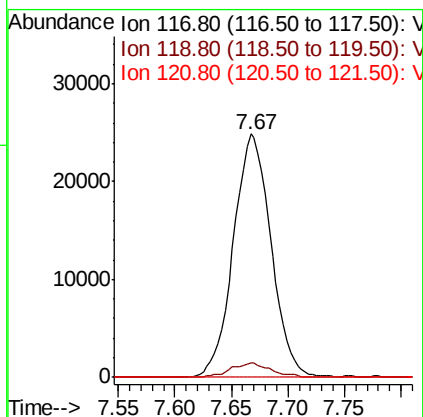
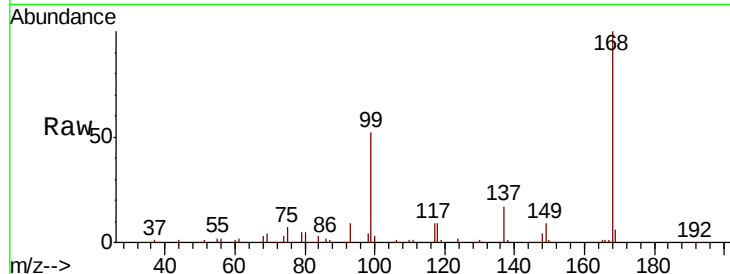




#38
Carbon Tetrachloride
Concen: 4.53 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050346.D
Acq: 4 Aug 2018 5:54

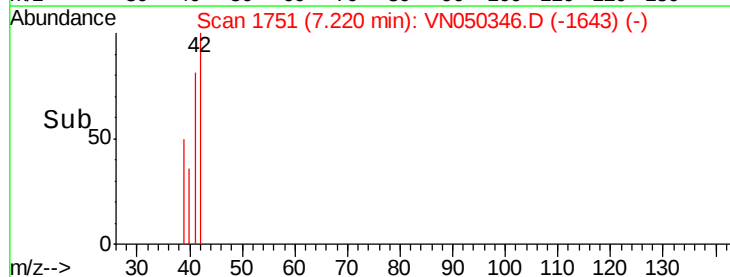
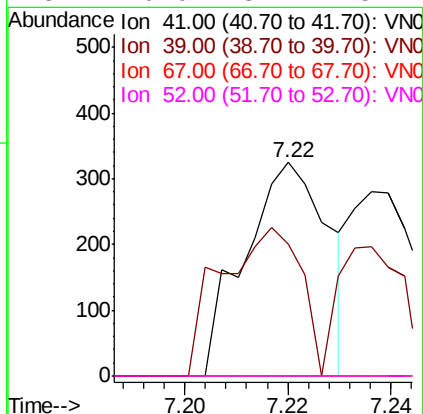
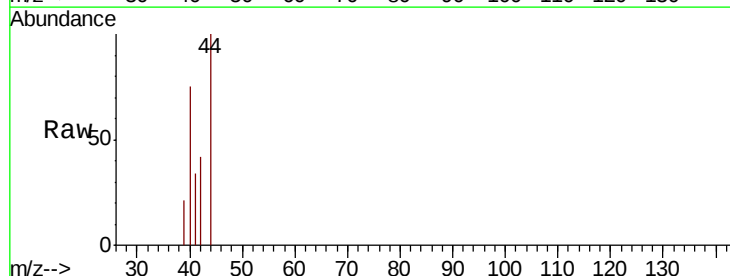
Instrument :
MSVOA_N
ClientSampleId :
C-9

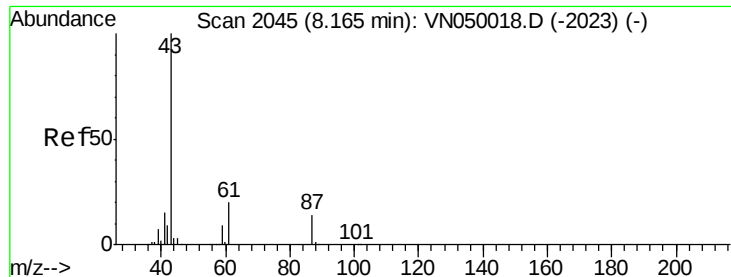
Tot Ion:117 Resp: 57694
Ion Ratio Lower Upper
117 100
119 6.1 77.4 116.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 2.83 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.05 min
Lab File: VN050346.D
Acq: 4 Aug 2018 5:54

Tgt Ion: 41 Resp: 364
Ion Ratio Lower Upper
41 100
39 66.2 55.8 83.6
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#





#43

Isopropyl Acetate

Concen: 15.45 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :

MSVOA_N

ClientSampled :

C-9

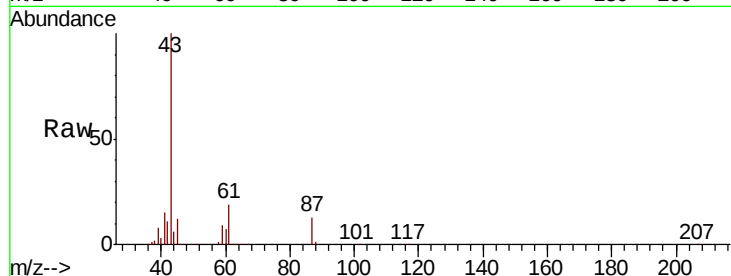
Tot Ion: 43 Resp: 255964

Ion Ratio Lower Upper

43 100

61 16.4 15.8 23.6

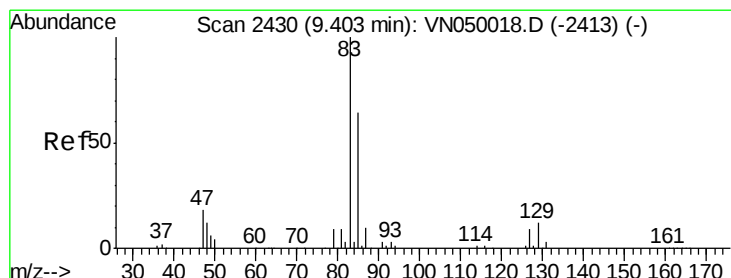
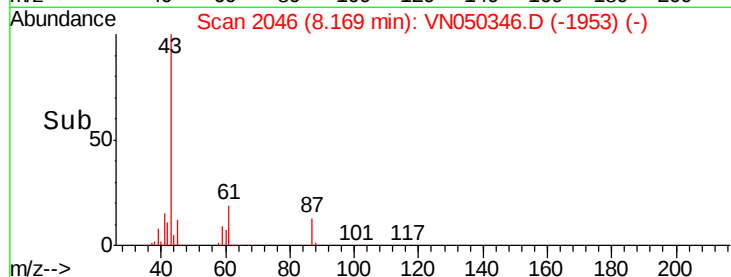
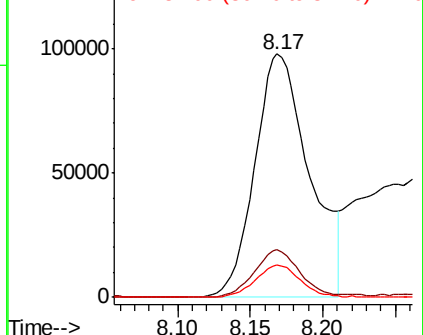
87 11.0 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#47

Bromodichloromethane

Concen: 0.53 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

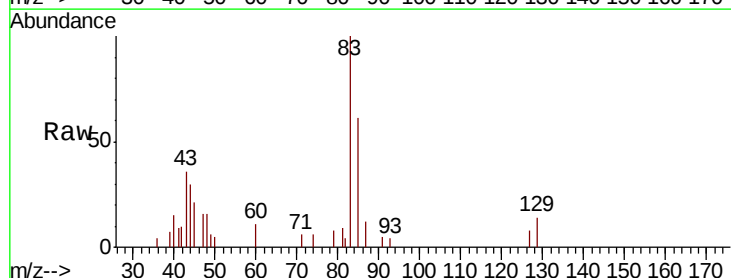
Tgt Ion: 83 Resp: 6745

Ion Ratio Lower Upper

83 100

85 60.8 51.1 76.7

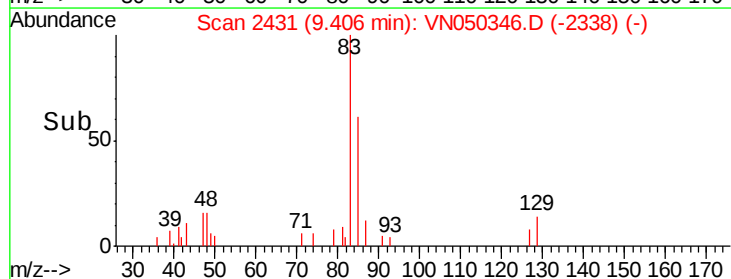
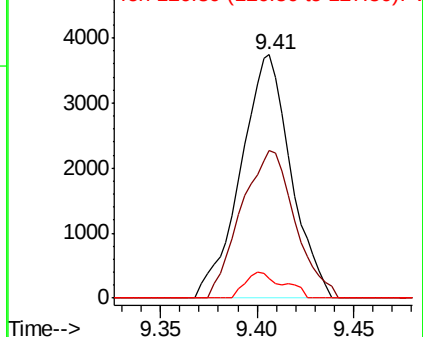
127 7.9 7.0 10.4

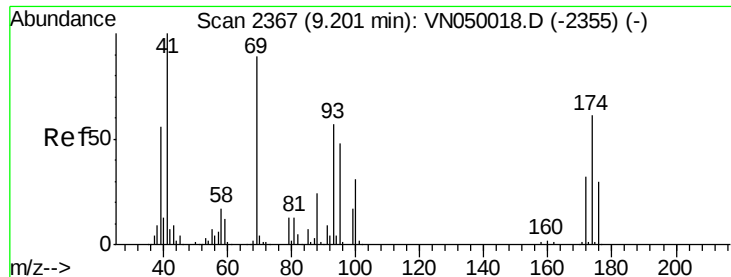


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

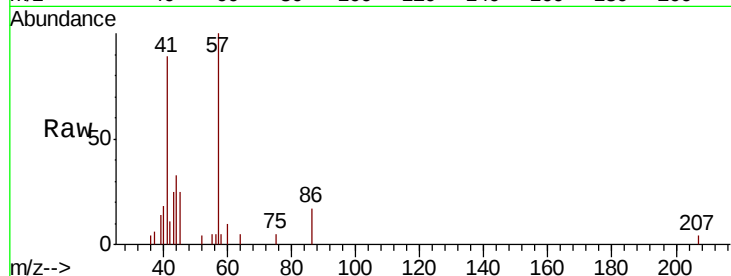




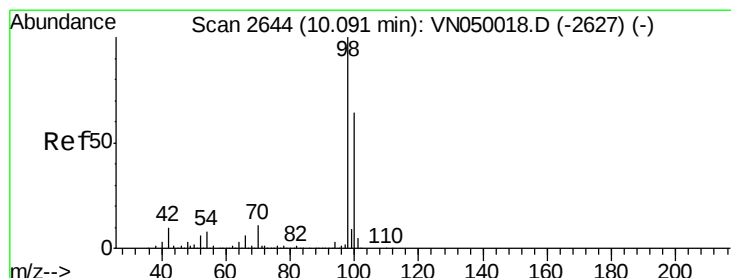
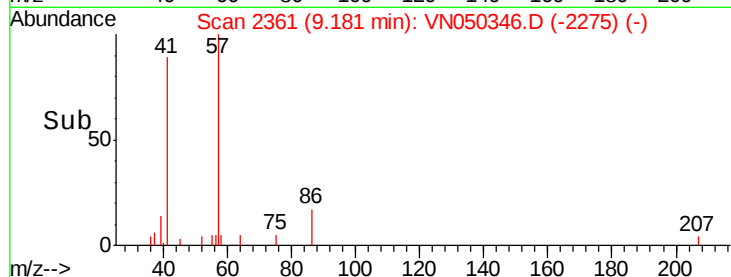
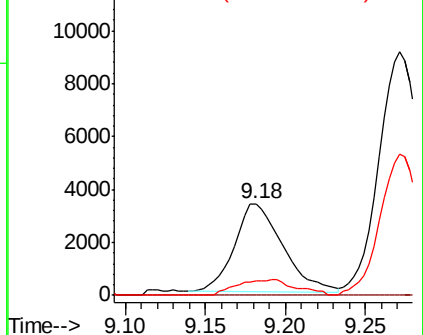
#48
Methvl methacrylate
Concen: 0.95 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050346.D
Acq: 4 Aug 2018 5:54

Instrument :
MSVOA_N
ClientSampleId :
C-9

Tot Ion: 41 Resp: 6850
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 21.8 43.9 65.9#

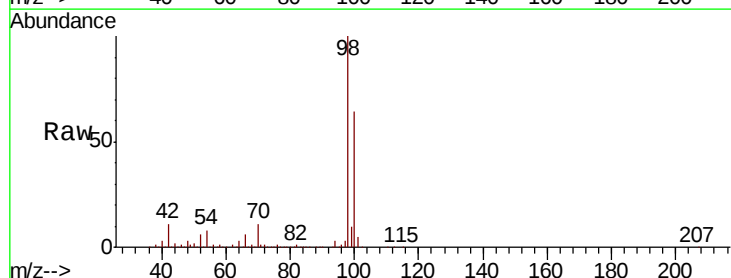


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

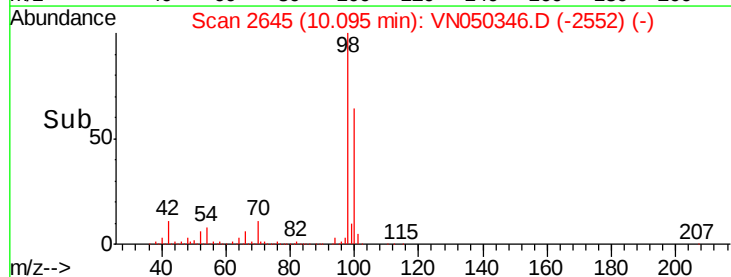
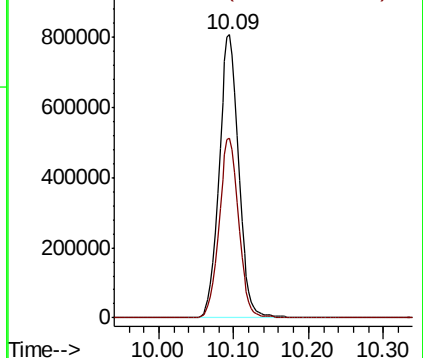


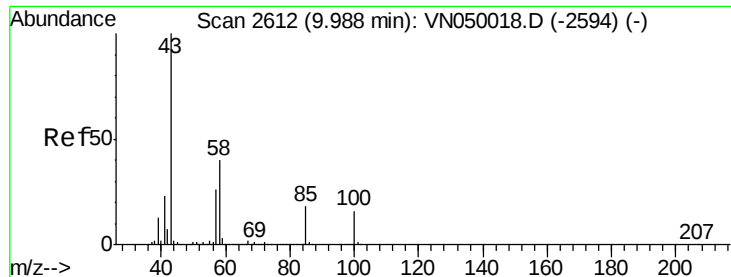
#50
Toluene-d8
Concen: 45.72 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050346.D
Acq: 4 Aug 2018 5:54

Tgt Ion: 98 Resp: 1461827
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



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

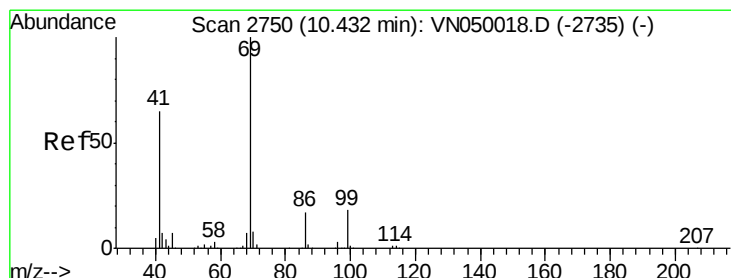
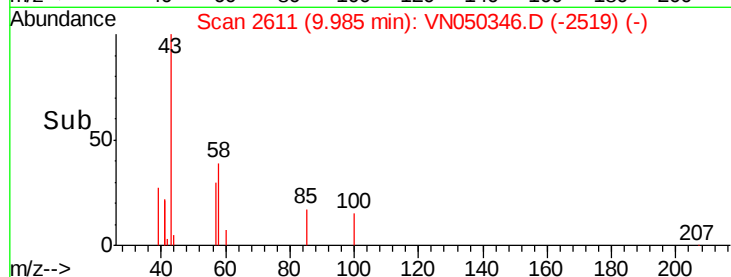
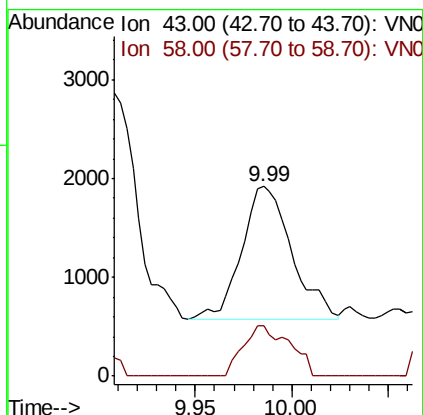
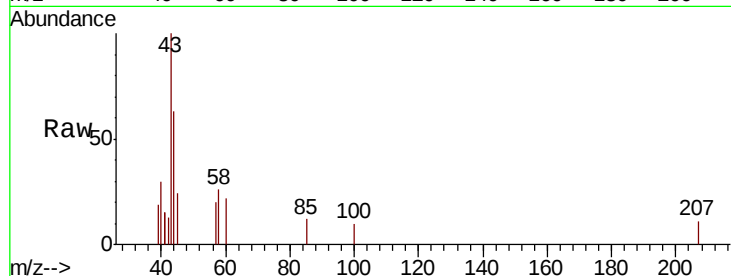




#51
4-Methyl-2-Pentanone
Concen: 0.29 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050346.D
Acq: 4 Aug 2018 5:54

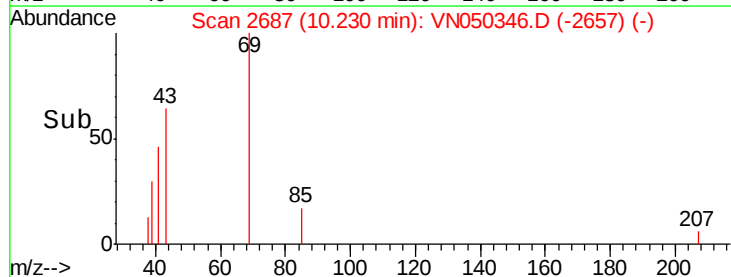
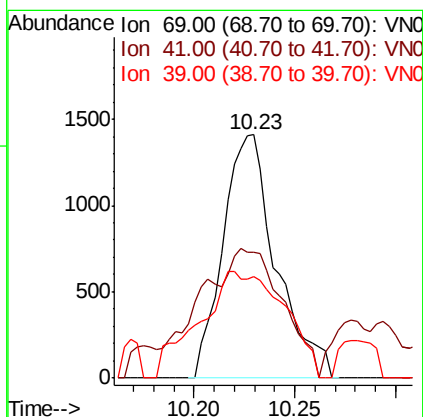
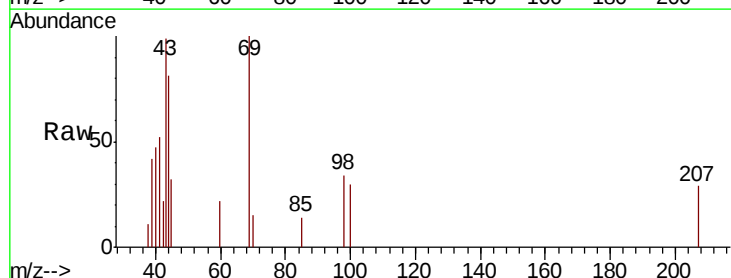
Instrument :
MSVOA_N
ClientSampled :
C-9

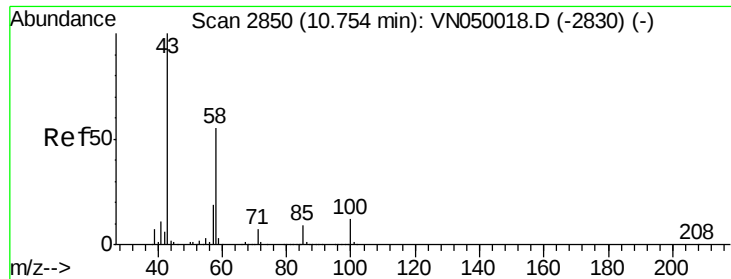
Tot Ion: 43 Resp: 2424
Ion Ratio Lower Upper
43 100
58 35.1 31.9 47.9



#56
Ethyl methacrylate
Concen: 2.25 ug/l
RT: 10.23 min Scan# 2687
Delta R.T. -0.20 min
Lab File: VN050346.D
Acq: 4 Aug 2018 5:54

Tgt Ion: 69 Resp: 2590
Ion Ratio Lower Upper
69 100
41 54.1 51.0 76.4
39 70.2 26.6 40.0#





#59

2-Hexanone

Concen: 6.99 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :

MSVOA_N

ClientSampled :

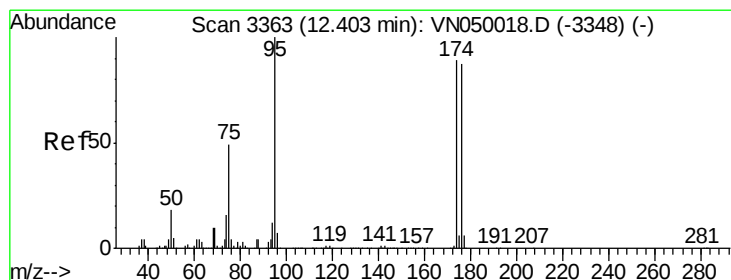
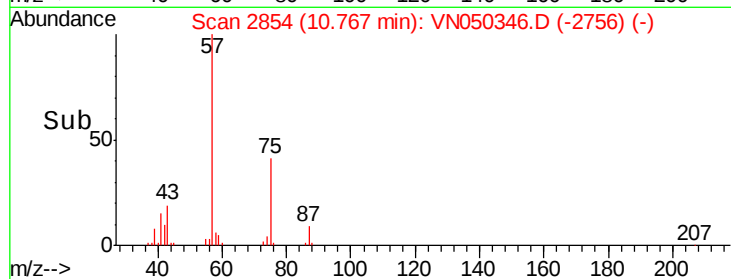
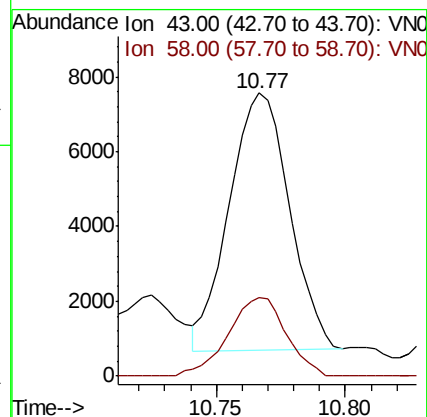
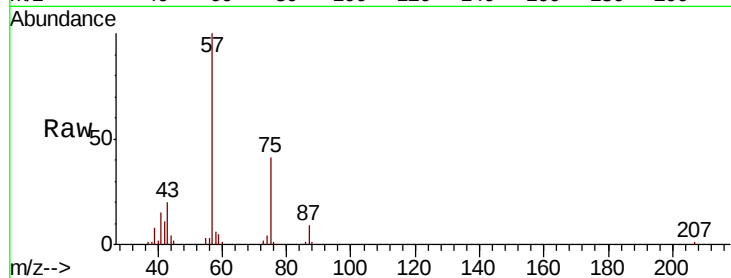
C-9

Tot Ion: 43 Resp: 11176

Ion Ratio Lower Upper

43 100

58 29.5 27.6 82.7



#62

4-Bromofluorobenzene

Concen: 41.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

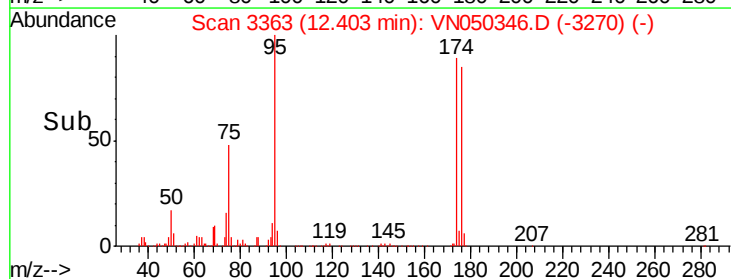
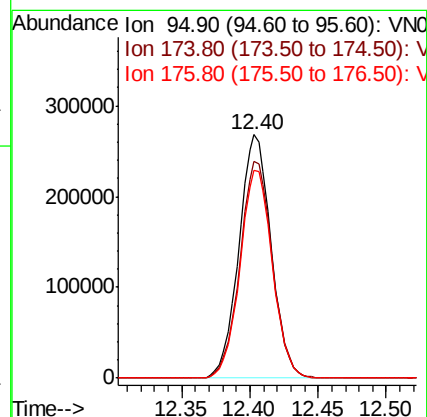
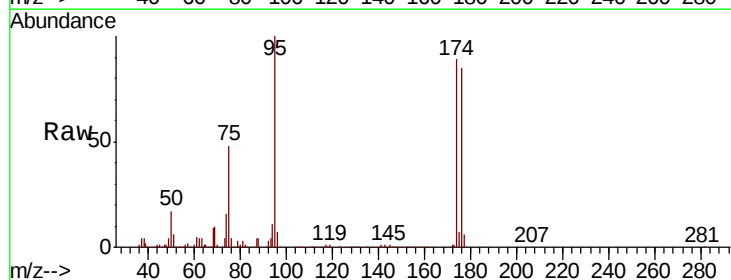
Tgt Ion: 95 Resp: 437683

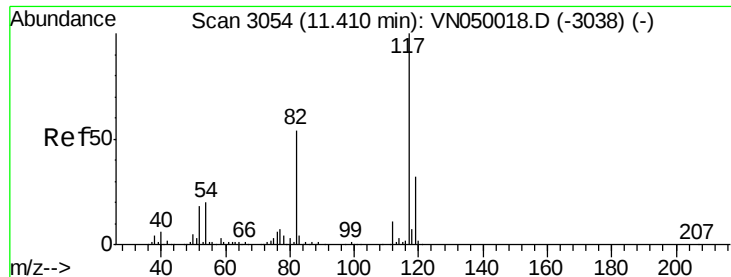
Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.2

176 86.0 0.0 173.4

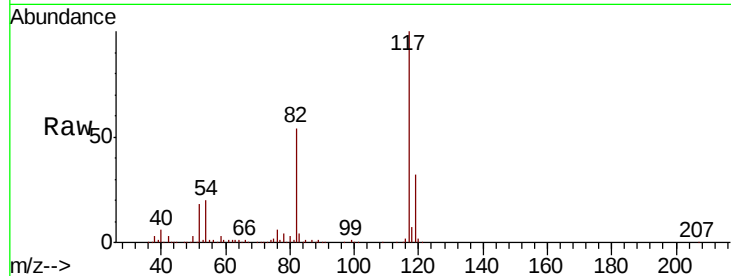




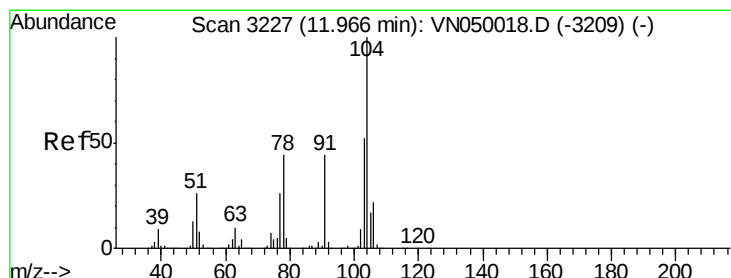
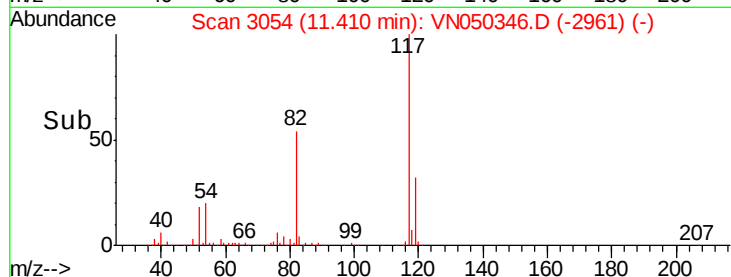
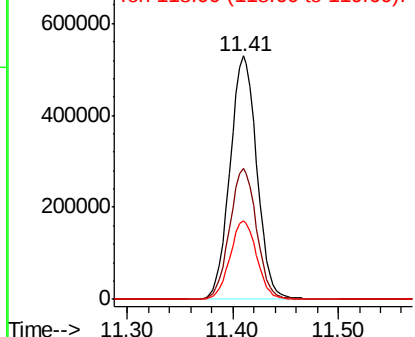
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050346.D
Acq: 4 Aug 2018 5:54

Instrument :
MSVOA_N
ClientSampled :
C-9

Tot Ion:117 Resp: 929974
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.4 26.1 39.1

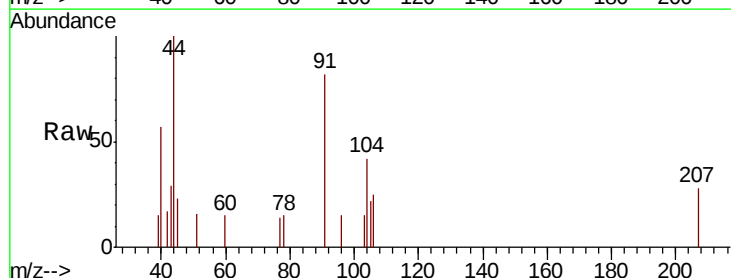


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

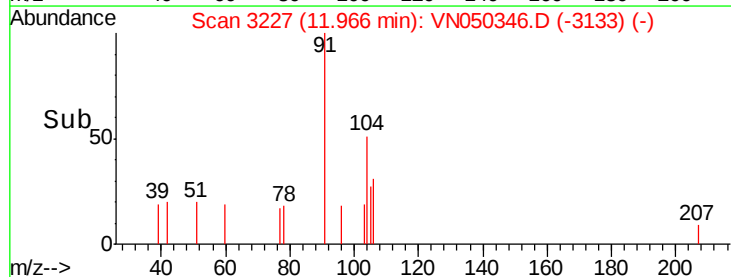
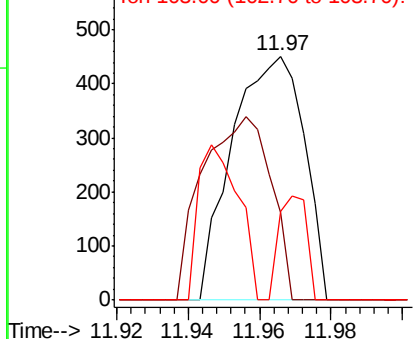


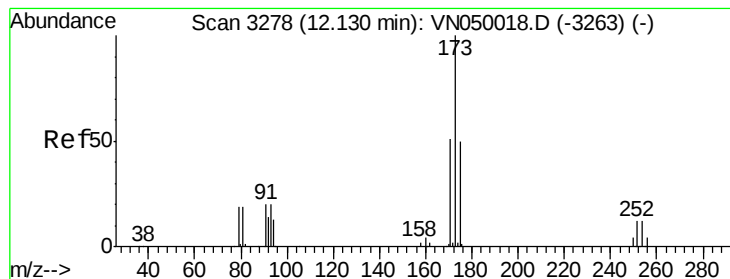
#70
Styrene
Concen: 0.95 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050346.D
Acq: 4 Aug 2018 5:54

Tgt Ion:104 Resp: 627
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 16.7 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :

MSVOA_N

ClientSampleId :

C-9

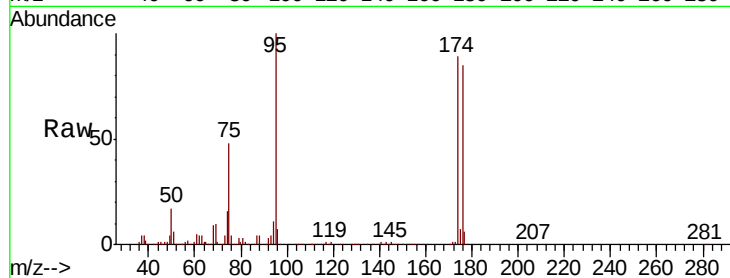
Tot Ion:173 Resp: 3940

Ion Ratio Lower Upper

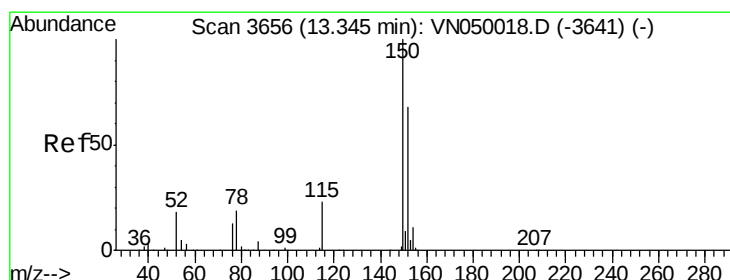
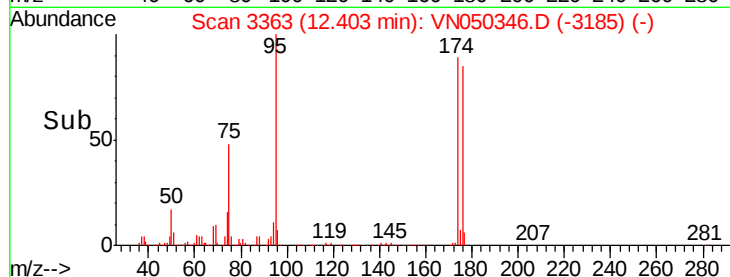
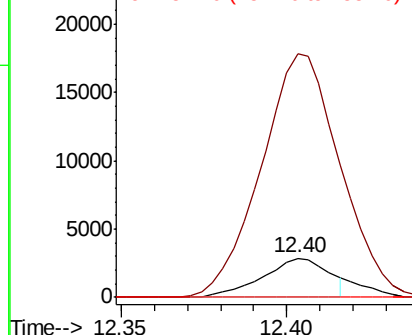
173 100

175 661.0 24.1 72.2#

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

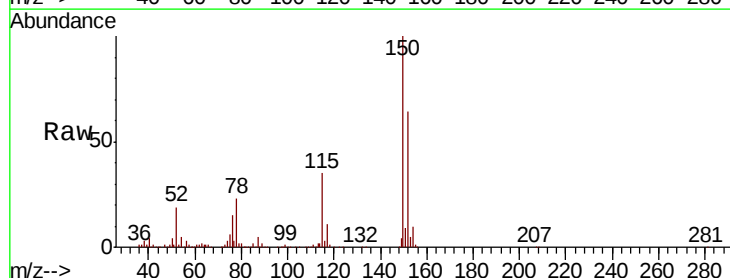
Tgt Ion:152 Resp: 407411

Ion Ratio Lower Upper

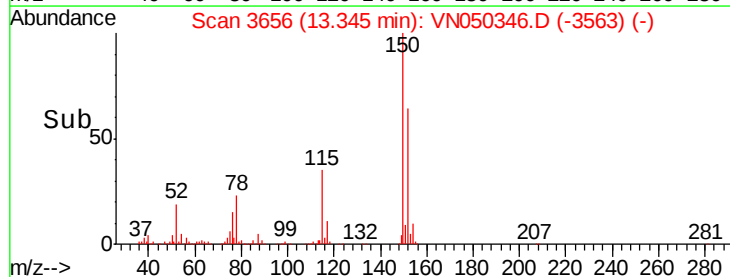
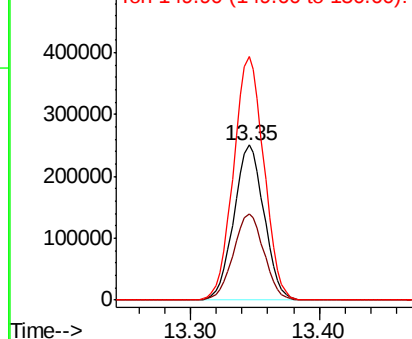
152 100

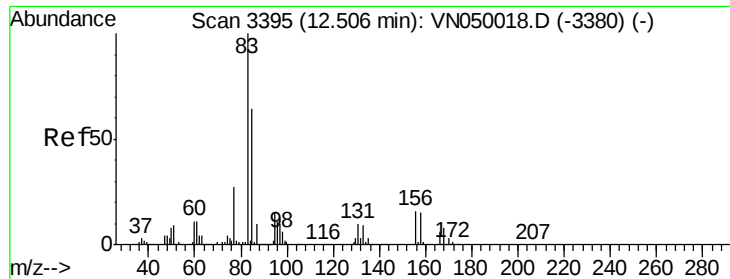
115 56.0 27.8 83.3

150 157.9 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: 12.40 min Scan# 3361

Delta R.T. -0.11 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :

MSVOA_N

ClientSampled :

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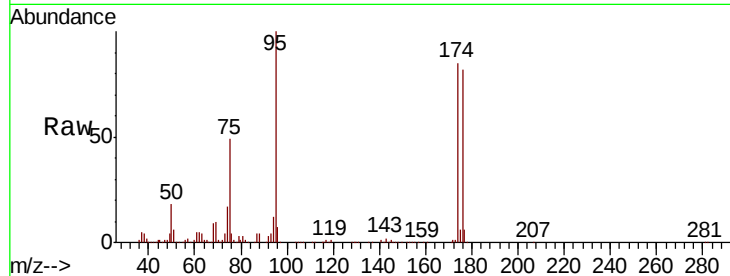
Tot Ion: 83 Resp: 328

Ion Ratio Lower Upper

83 100

131 190.9 5.1 15.3#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

600

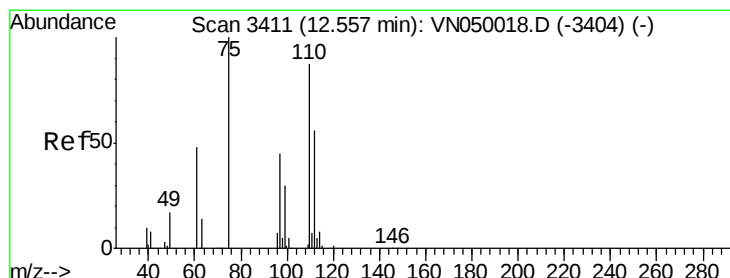
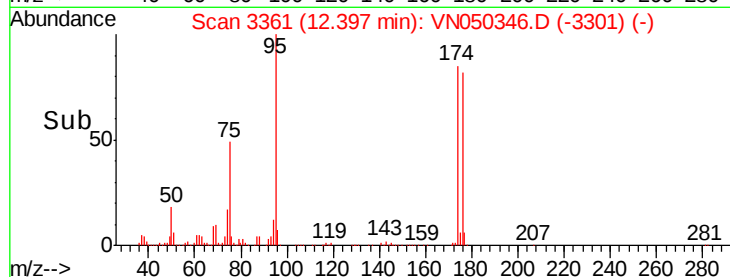
400

200

0

12.38 12.40 12.42

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050346.D

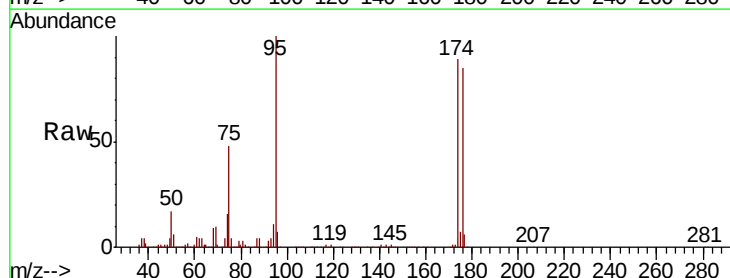
Acq: 4 Aug 2018 5:54

Tgt Ion: 75 Resp: 210667

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

150000 Ion 77.00 (76.70 to 77.70): VN0

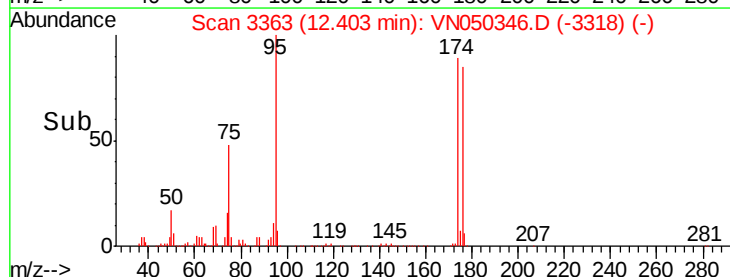
100000

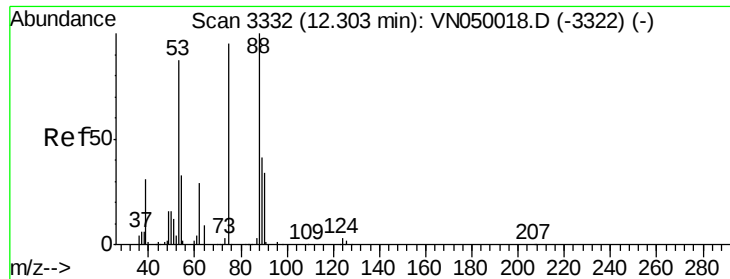
50000

0

12.35 12.40 12.45

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 88.25 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :

MSVOA_N

ClientSampleId :

C-9

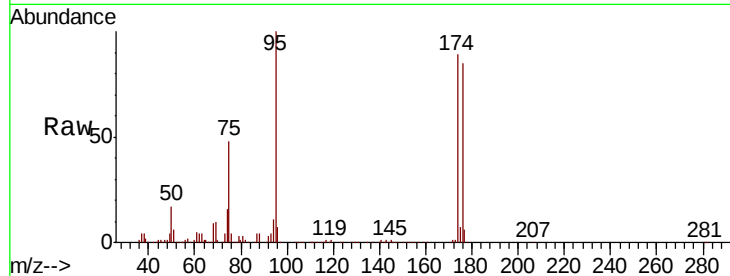
Tot Ion: 75 Resp: 210667

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

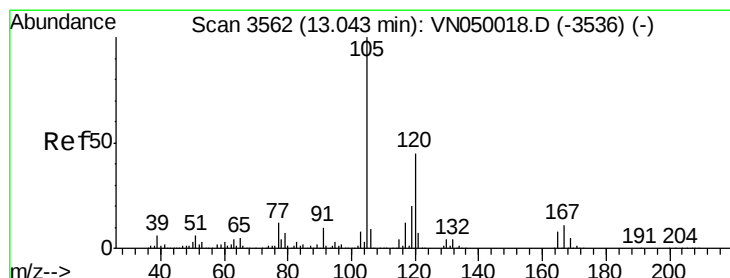
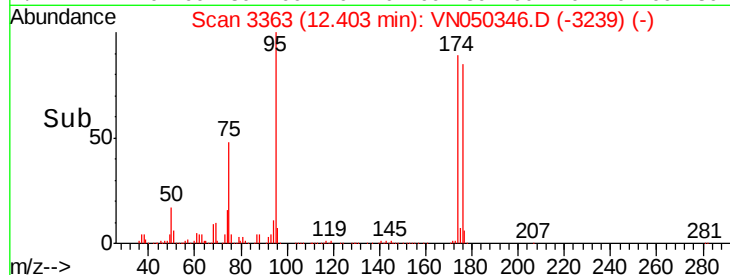
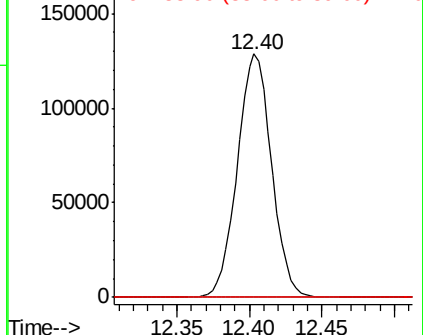
89 0.0 36.0 54.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.40 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050346.D

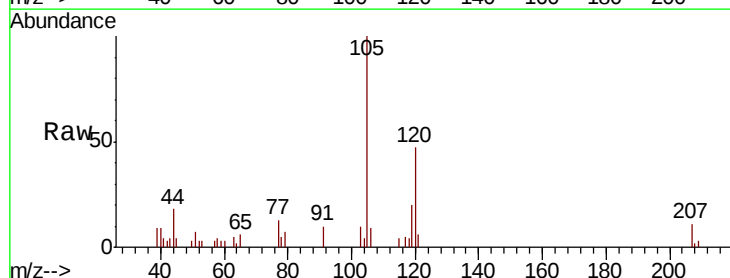
Acq: 4 Aug 2018 5:54

Tgt Ion: 105 Resp: 9981

Ion Ratio Lower Upper

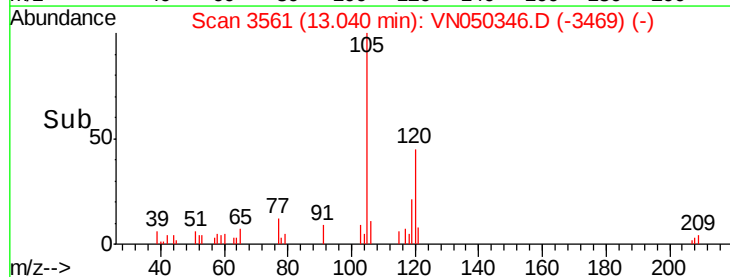
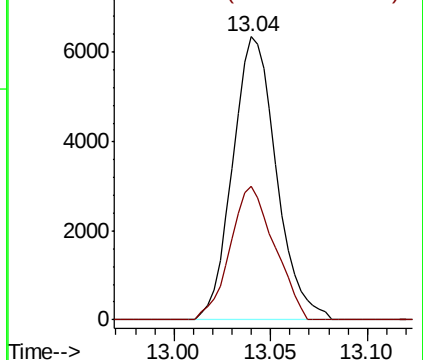
105 100

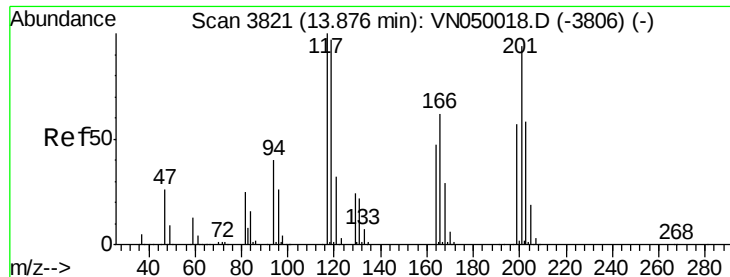
120 47.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.44 ug/l

RT: 13.89 min Scan# 3824

Delta R.T. 0.01 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :

MSVOA_N

ClientSampleId :

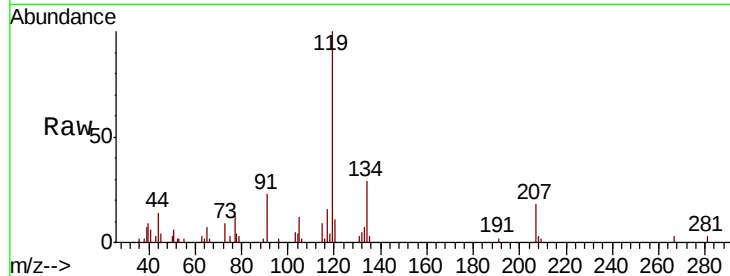
C-9

Tot Ion:117 Resp: 2406

Ion Ratio Lower Upper

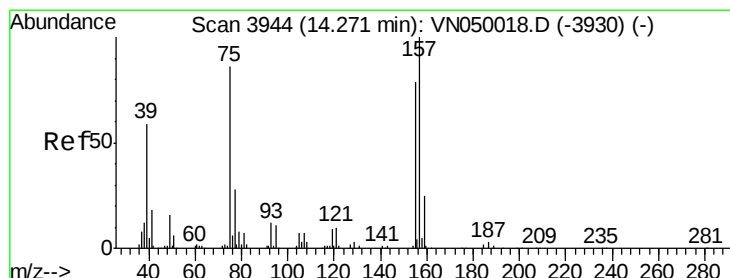
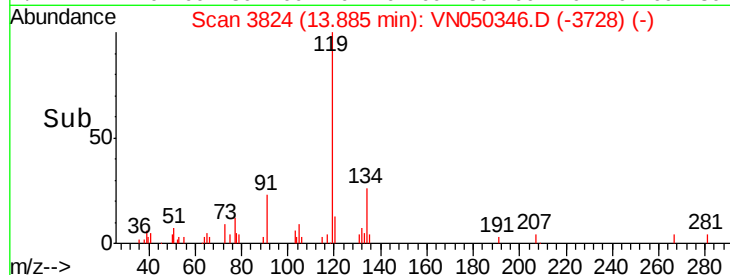
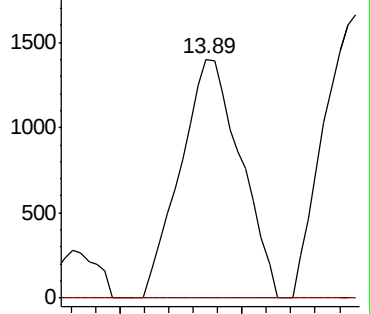
117 100

201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3946

Delta R.T. 0.01 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

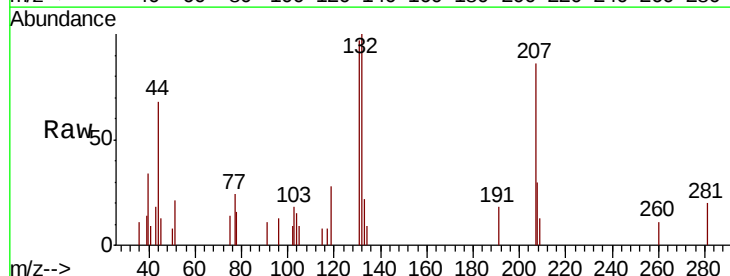
Tgt Ion: 75 Resp: 296

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

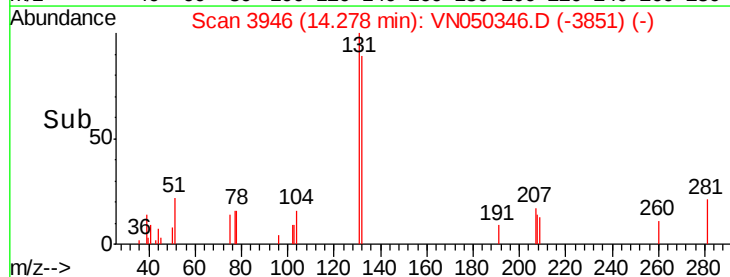
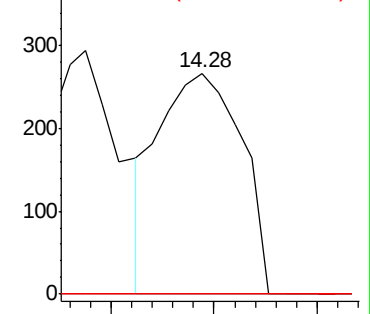
157 0.0 57.2 171.6#

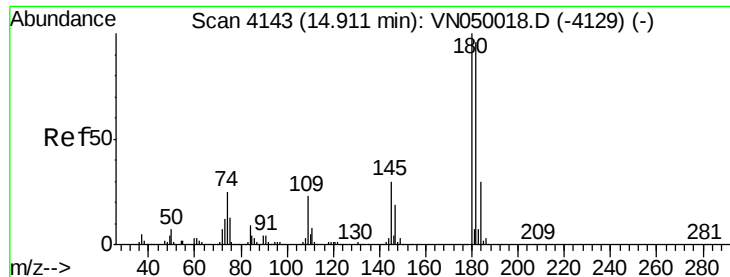


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

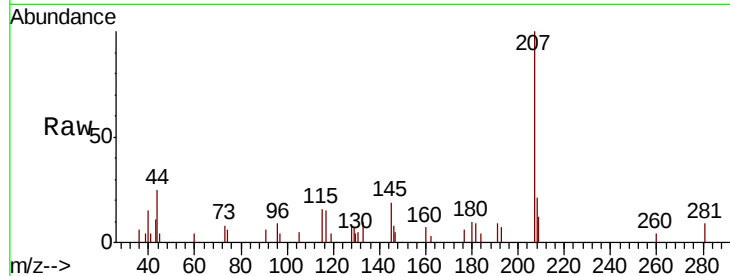




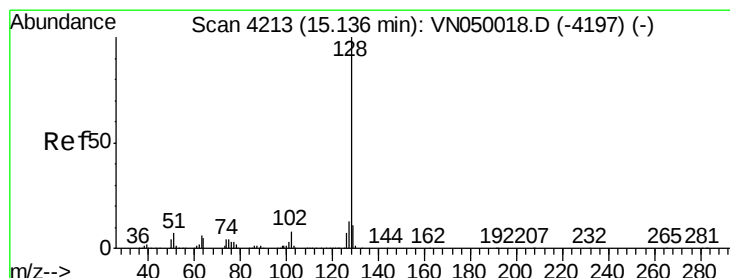
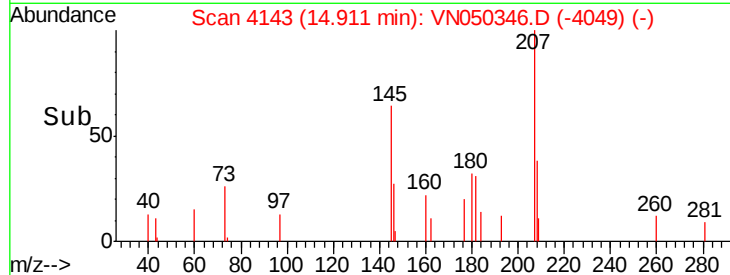
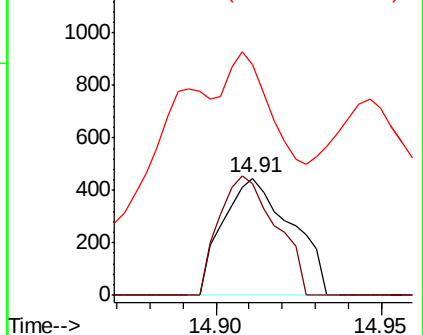
#93
 1,2,4-Trichlorobenzene
 Concen: 3.16 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050346.D
 Acq: 4 Aug 2018 5:54

Instrument :
 MSVOA_N
 ClientSampled :
 C-9

Tot Ion:180 Resp: 641
 Ion Ratio Lower Upper
 180 100
 182 84.9 46.7 140.1
 145 188.0 13.8 41.4#

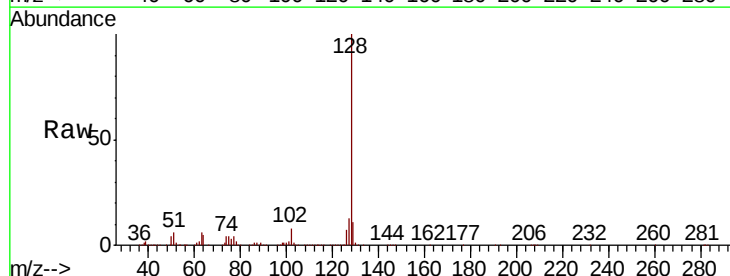


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

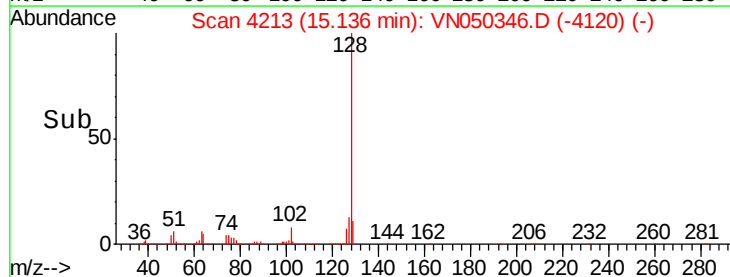
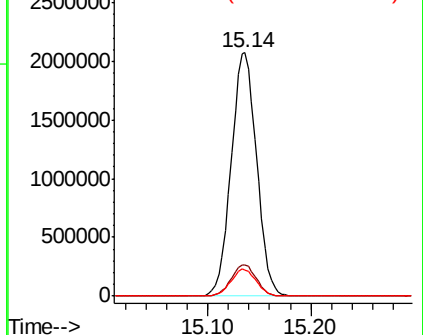


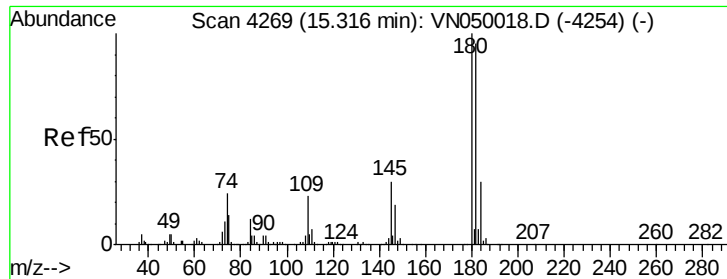
#95
 Naphthalene
 Concen: 178.94 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050346.D
 Acq: 4 Aug 2018 5:54

Tgt Ion:128 Resp: 3561739
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.0 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





#96

1,2,3-Trichlorobenzene

Concen: 2.22 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050346.D

Acq: 4 Aug 2018 5:54

Instrument :

MSVOA_N

ClientSampleId :

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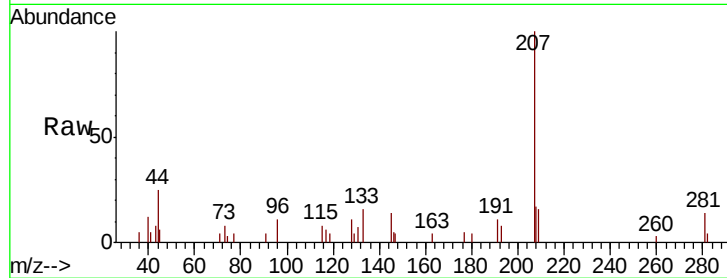
Tot Ion:180 Resp: 144

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

145 466.0 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

