

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
 Data File : VN049652.D
 Acq On : 30 Jun 2018 17:27
 Operator : MD\SY
 Sample : J3752-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 01:24:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1307940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2039448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1720506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	619502	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	851452	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	7.59	113	747833	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	10.09	98	2777161	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
62) 4-Bromofluorobenzene	12.40	95	785710	38.56	ug/l	0.00
Spiked Amount			Recovery	=	77.12%	

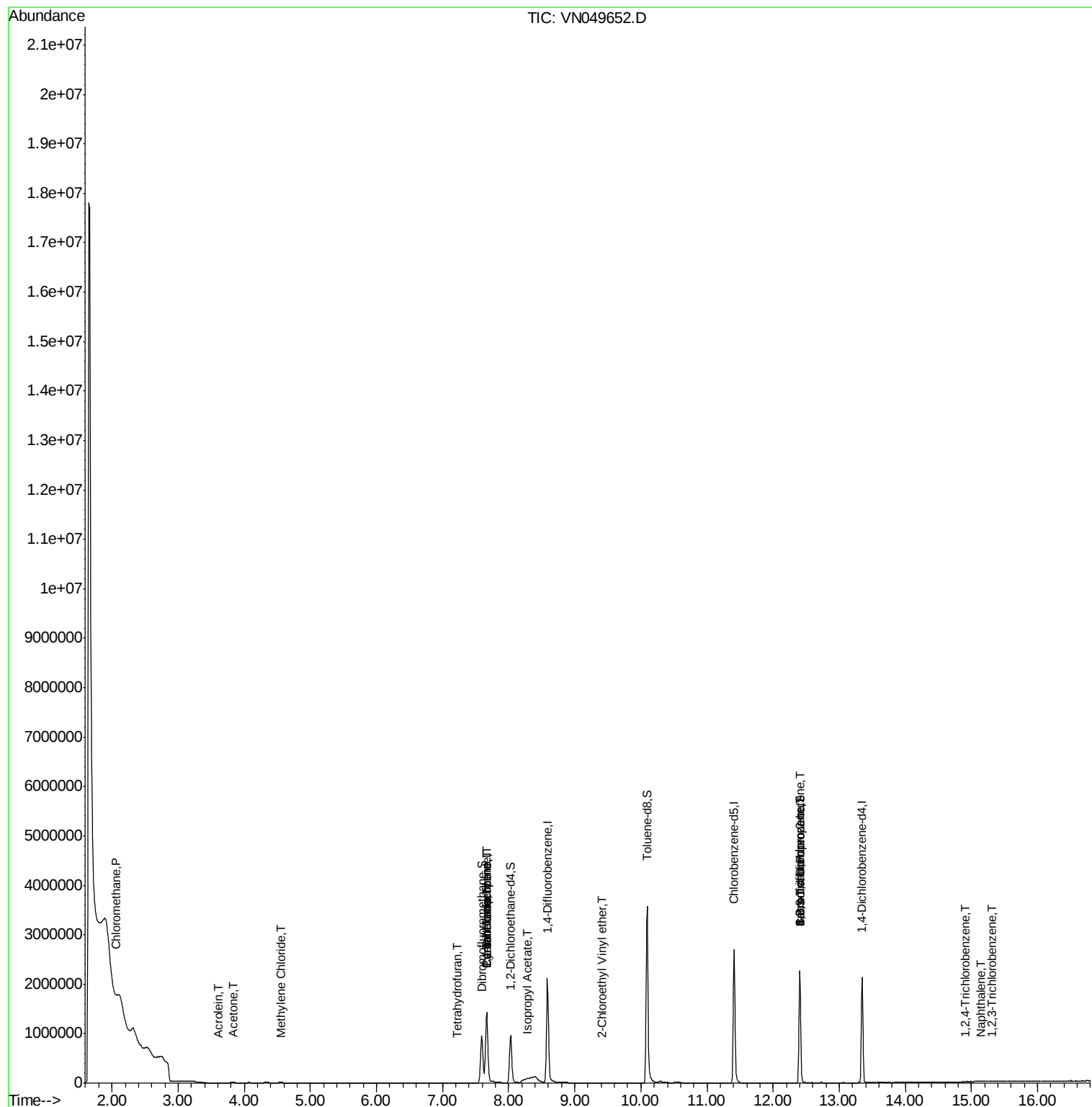
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	6341	0.34	ug/l	99
13) Acrolein	3.61	56	1803	1.95	ug/l #	73
16) Acetone	3.83	43	31632	1.17	ug/l	91
17) Carbon Disulfide	4.05	76	2988	Below Cal	#	75
18) Methyl Acetate	4.34	43	40197	Below Cal	#	65
20) Methylene Chloride	4.55	84	12586	0.71	ug/l #	87
29) Tetrahydrofuran	7.21	42	861	0.24	ug/l #	85
31) Cyclohexane	7.66	56	24728	0.22	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	90375	3.94	ug/l #	48
38) Carbon Tetrachloride	7.67	117	113956	5.11	ug/l #	16
43) Isopropyl Acetate	8.27	43	114243	3.76	ug/l #	63
58) 2-Chloroethyl Vinyl ether	9.42	63	69	10.83	ug/l #	48
71) Bromoform	12.40	173	6154	0.57	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	30	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	374113	37.65	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	374113	127.89	ug/l #	13
87) 1,3-Dichlorobenzene	13.29	146	1073	Below Cal	#	73
88) 1,4-Dichlorobenzene	13.37	146	1266	Below Cal	#	30
91) 1,2-Dichlorobenzene	13.65	146	714	Below Cal		84
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	363	2.43	ug/l #	21
95) Naphthalene	15.14	128	978	4.08	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.32	180	498	1.69	ug/l #	45

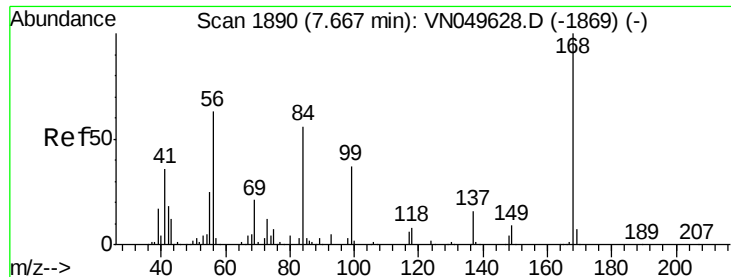
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
Data File : VN049652.D
Acq On : 30 Jun 2018 17:27
Operator : MD\SY
Sample : J3752-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 02 01:24:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 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: VN049652.D

Acq: 30 Jun 2018 17:27

Instrument :

MSVOA_N

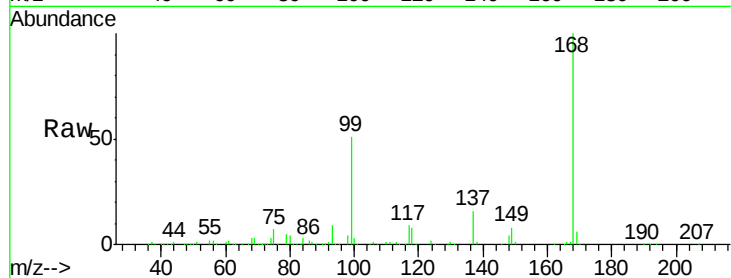
ClientSampleId :

Tot Ion:168 Resp: 1307940

Ion Ratio Lower Upper

168 100

99 50.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

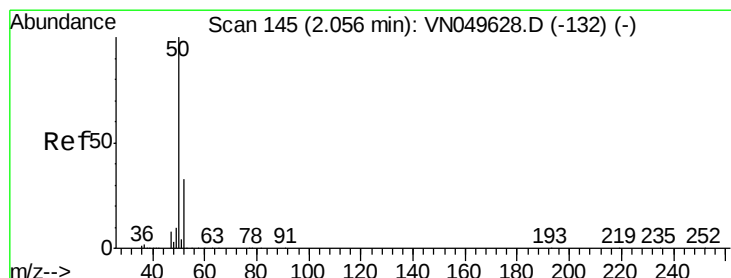
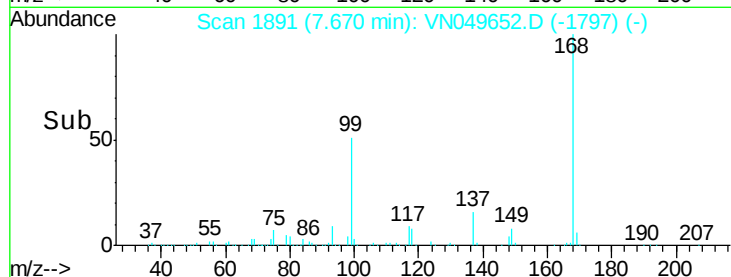
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.34 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049652.D

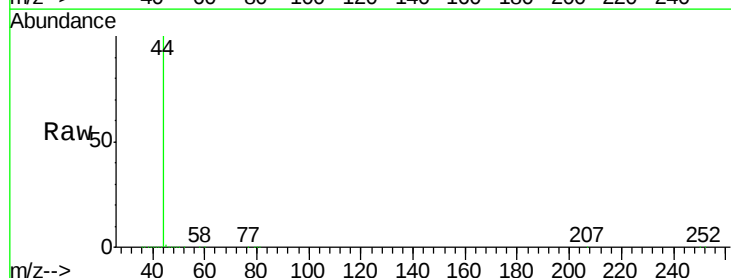
Acq: 30 Jun 2018 17:27

Tgt Ion: 50 Resp: 6341

Ion Ratio Lower Upper

50 100

52 32.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

5000

4000

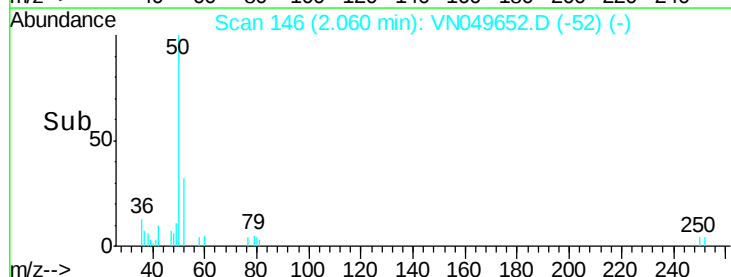
3000

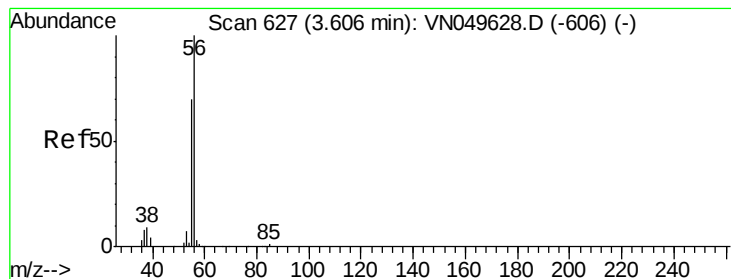
2000

1000

0

Time--> 2.00 2.05 2.10





#13

Acrolein

Concen: 1.95 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

Instrument :

MSVOA_N

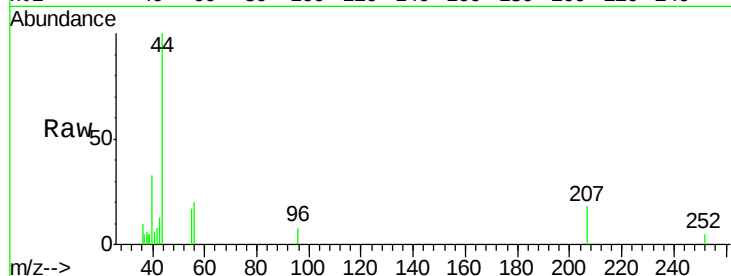
ClientSampleId :

Tot Ion: 56 Resp: 1803

Ion Ratio Lower Upper

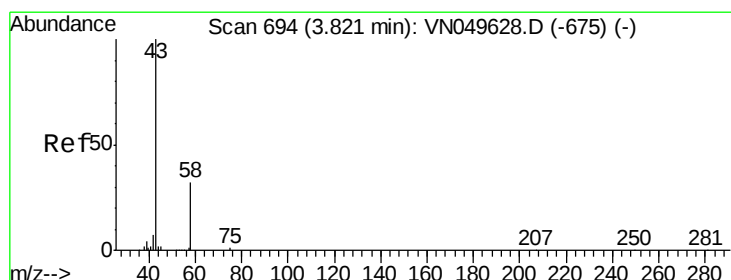
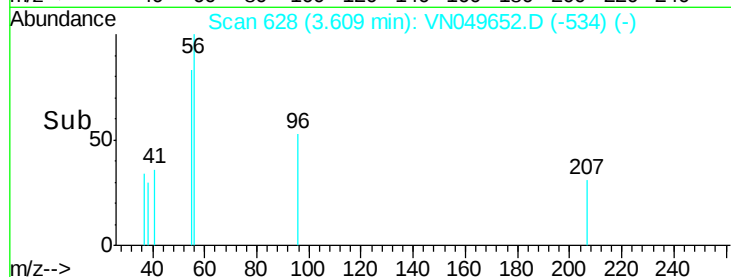
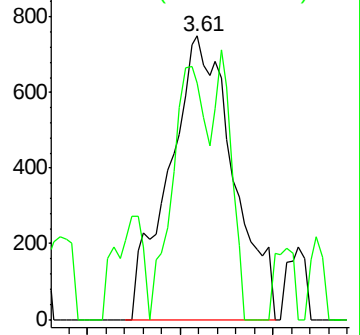
56 100

55 48.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 1.17 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049652.D

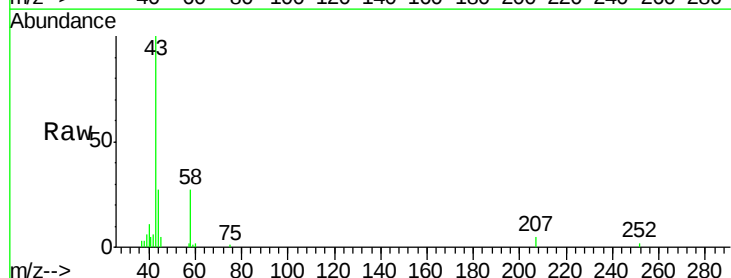
Acq: 30 Jun 2018 17:27

Tgt Ion: 43 Resp: 31632

Ion Ratio Lower Upper

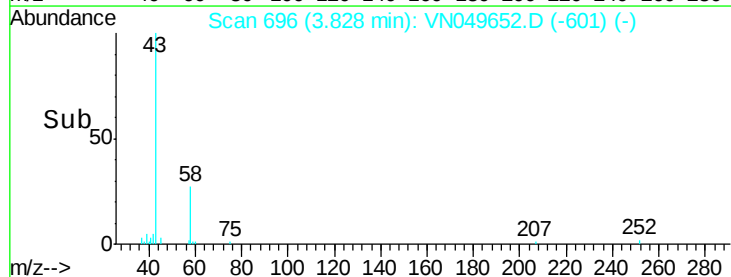
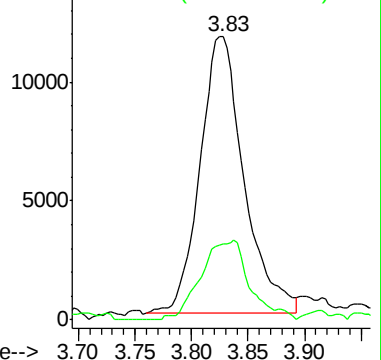
43 100

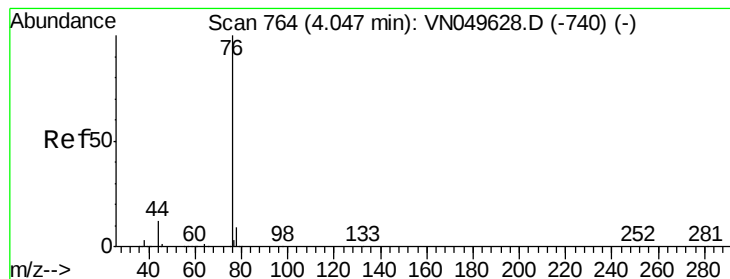
58 27.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

Instrument :

MSVOA_N

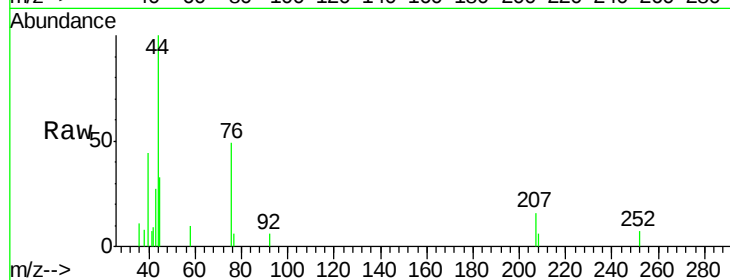
ClientSampled :

Tot Ion: 76 Resp: 2988

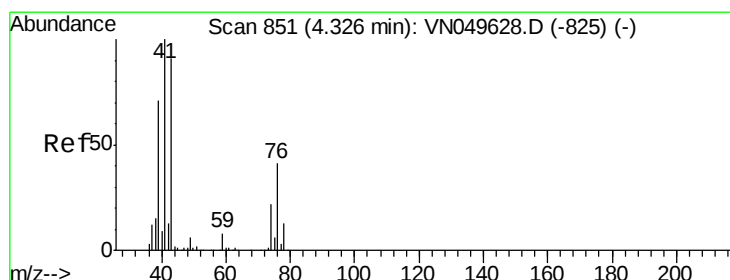
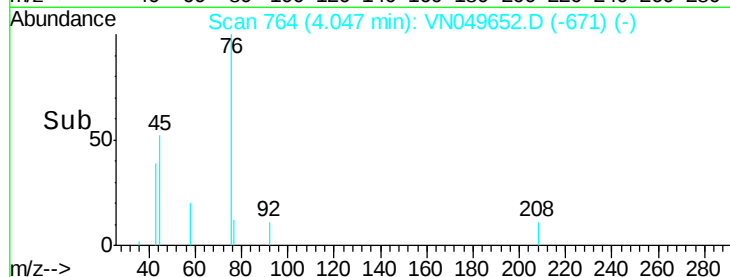
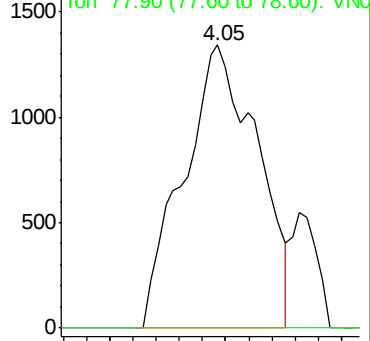
Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049652.D (-740) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049652.D

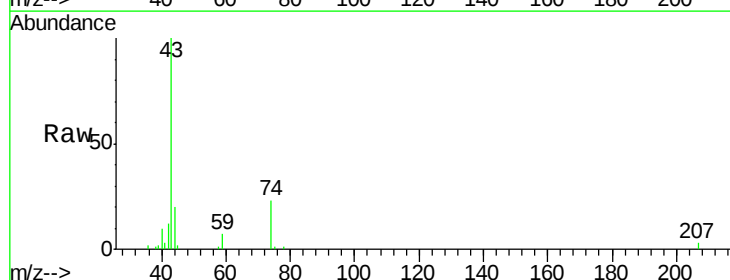
Acq: 30 Jun 2018 17:27

Tgt Ion: 43 Resp: 40197

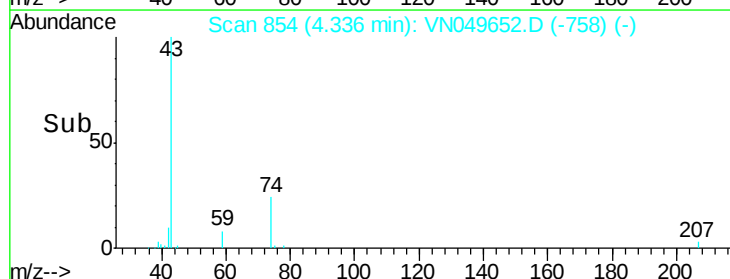
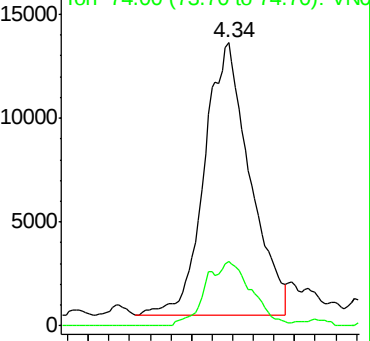
Ion Ratio Lower Upper

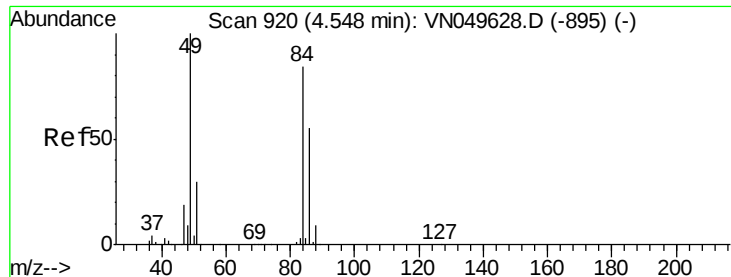
43 100

74 7.1 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN049652.D (-825) (-)

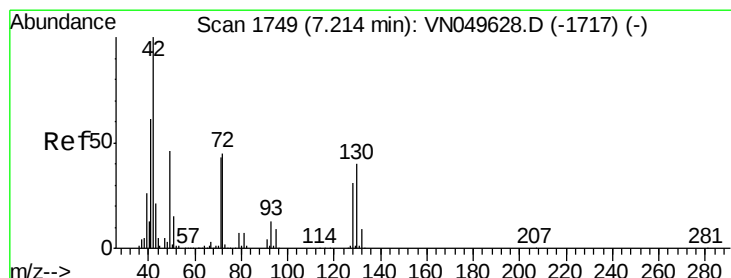
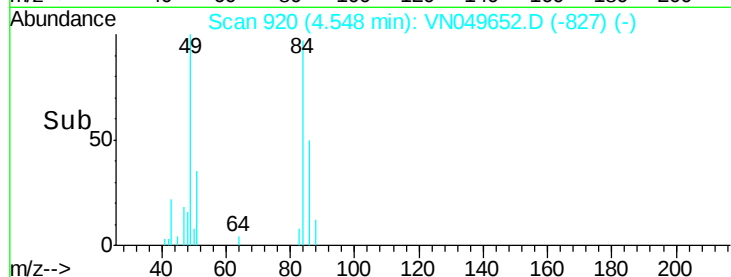
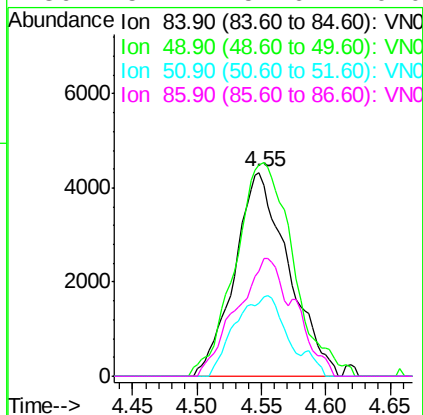
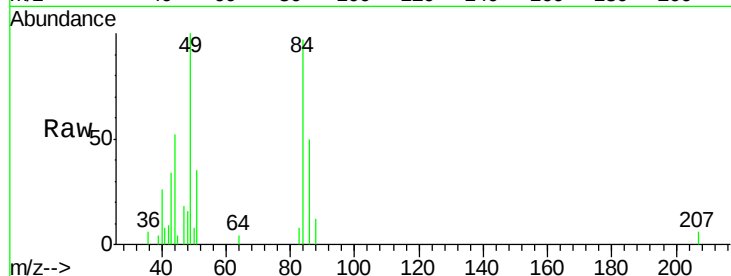




#20
Methvlene Chloride
Concen: 0.71 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049652.D
Acq: 30 Jun 2018 17:27

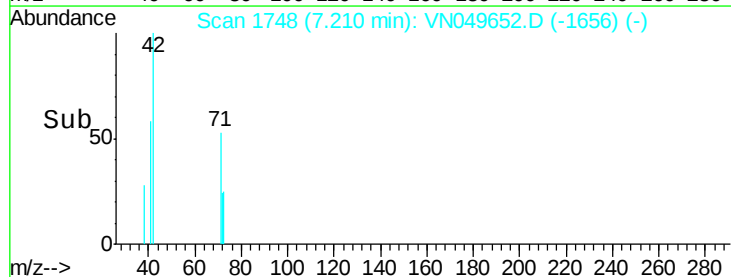
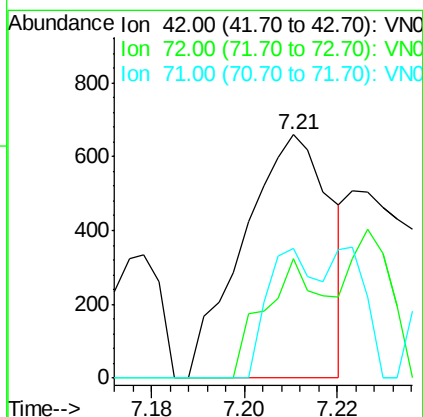
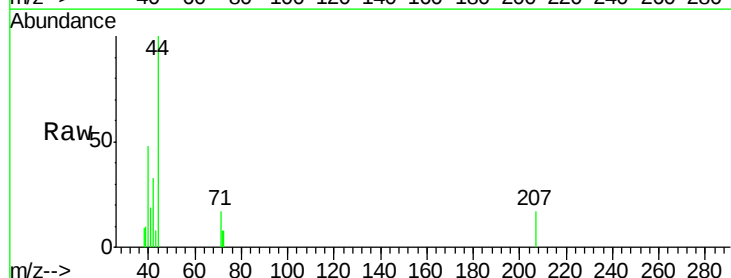
Instrument :
MSVOA_N
ClientSampled :

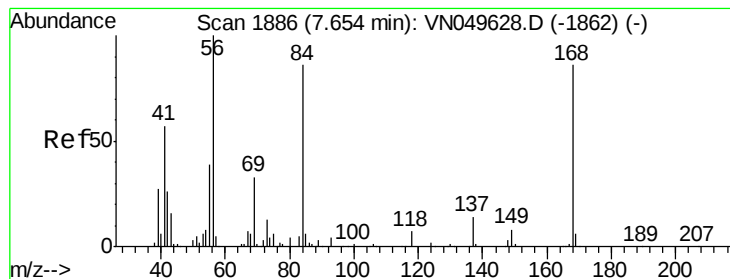
Tot Ion: 84 Resp: 12586
Ion Ratio Lower Upper
84 100
49 103.3 95.4 143.2
51 36.0 28.4 42.6
86 51.7 52.6 79.0#



#29
Tetrahydrofuran
Concen: 0.24 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VN049652.D
Acq: 30 Jun 2018 17:27

Tgt Ion: 42 Resp: 861
Ion Ratio Lower Upper
42 100
72 35.3 35.6 53.4#
71 31.8 34.0 51.0#





#31

Cyclohexane

Concen: 0.22 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

Instrument :

MSVOA_N

ClientSampled :

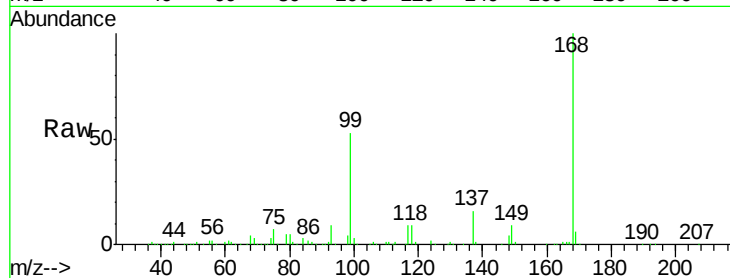
Tot Ion: 56 Resp: 24728

Ion Ratio Lower Upper

56 100

69 170.3 26.6 40.0#

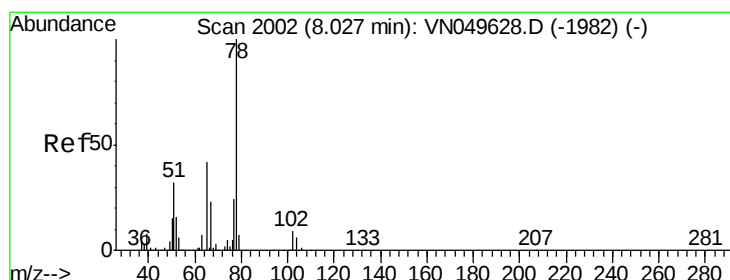
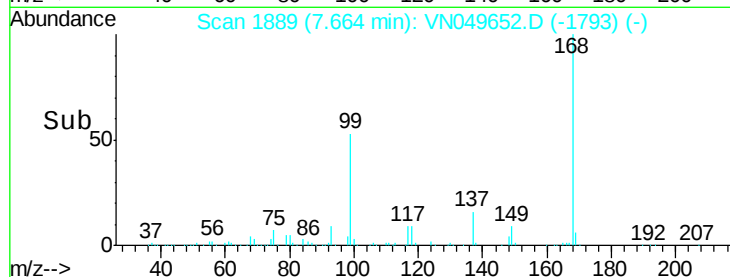
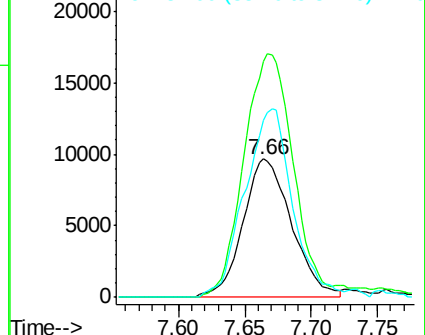
84 128.2 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VN049652.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049652.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049652.D (-1793) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.29 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049652.D

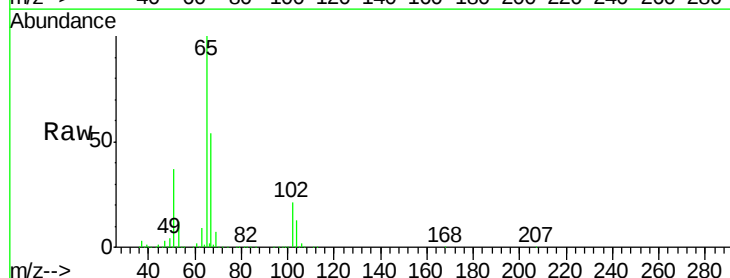
Acq: 30 Jun 2018 17:27

Tgt Ion: 65 Resp: 851452

Ion Ratio Lower Upper

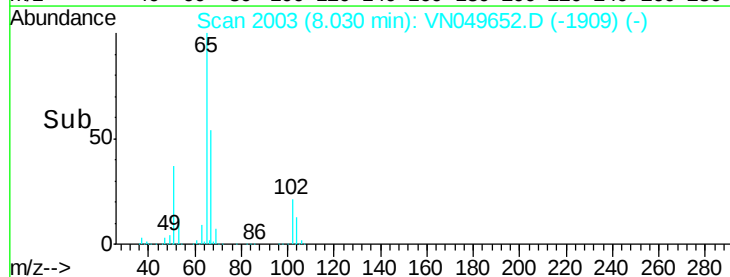
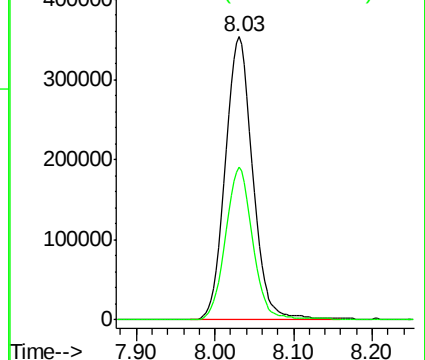
65 100

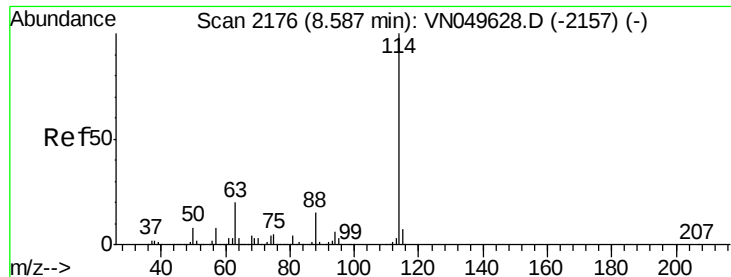
67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049652.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049652.D (-1909) (-)

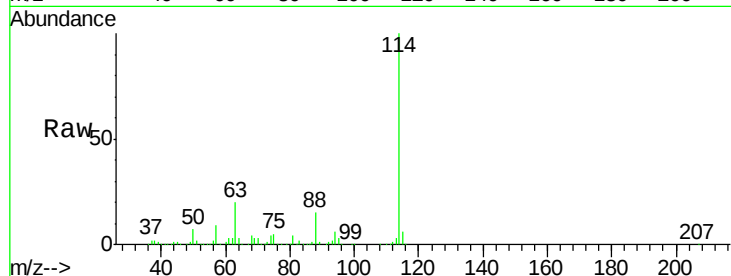




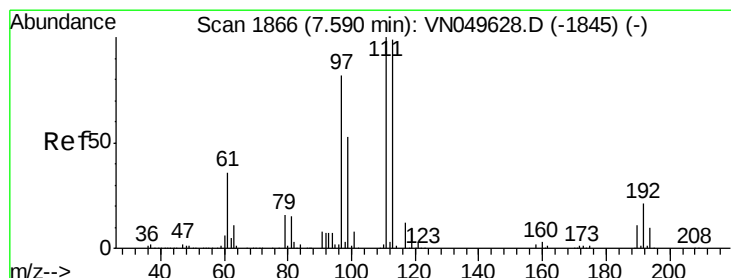
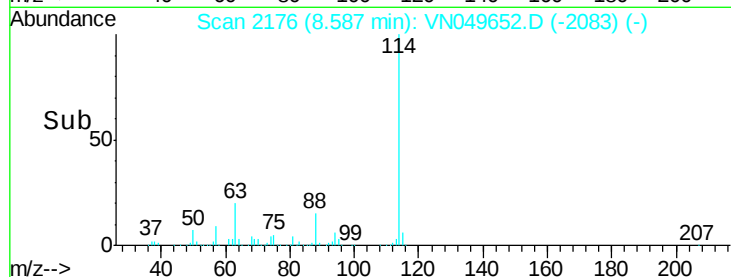
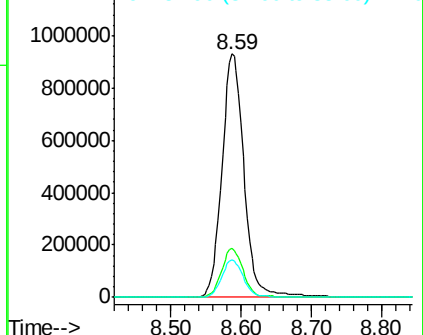
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2039448
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.4 0.0 30.6

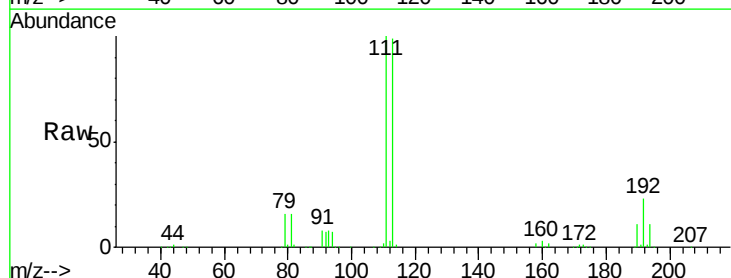


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

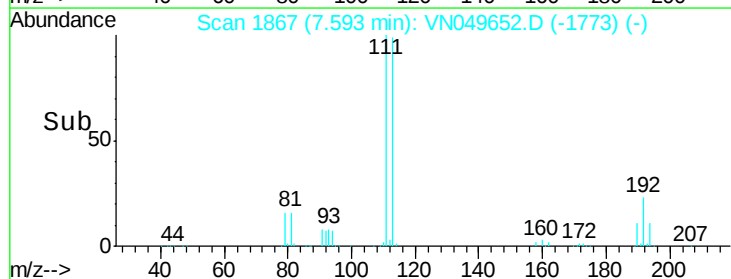
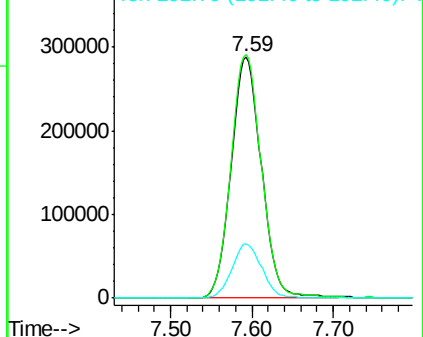


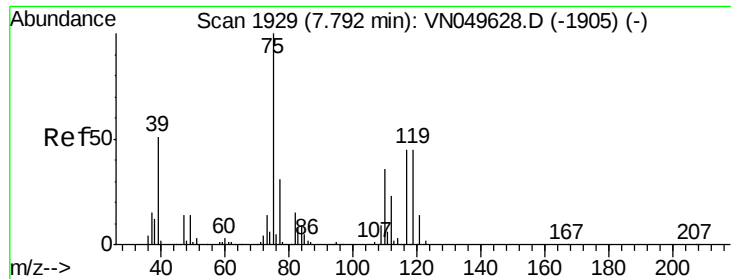
#35
 Dibromofluoromethane
 Concen: 49.05 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

Tgt Ion:113 Resp: 747833
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.8
 192 22.1 17.8 26.6



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

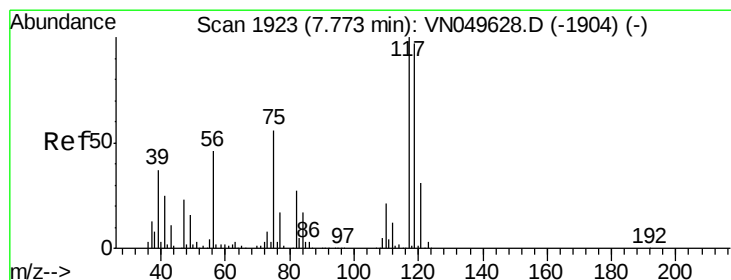
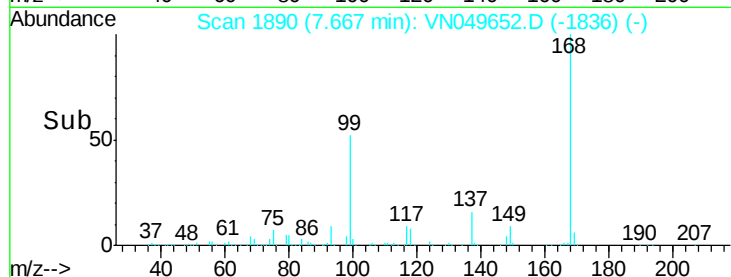
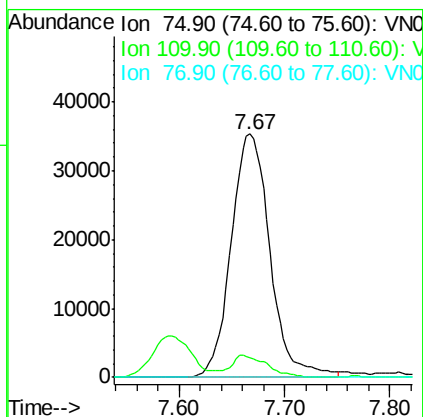
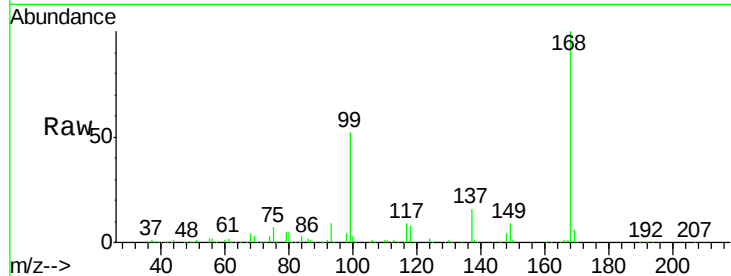




#36
 1,1-Dichloropropene
 Concen: 3.94 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

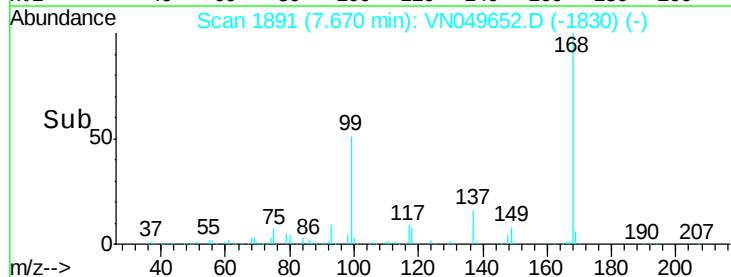
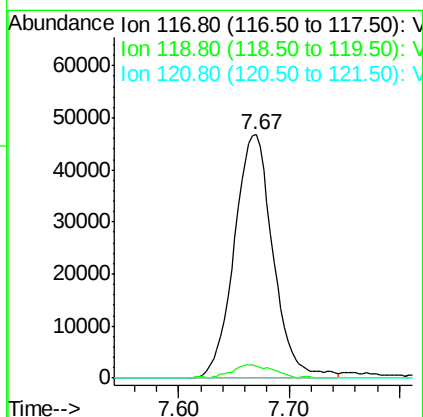
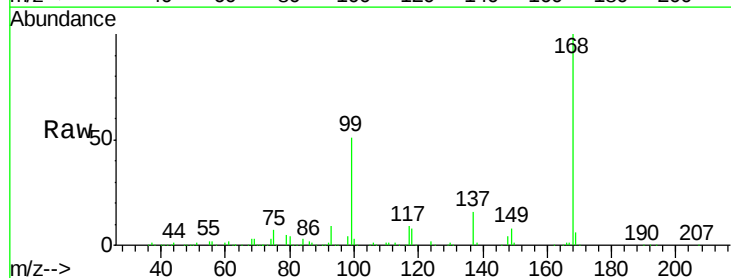
Instrument :
 MSVOA_N
 ClientSampled :

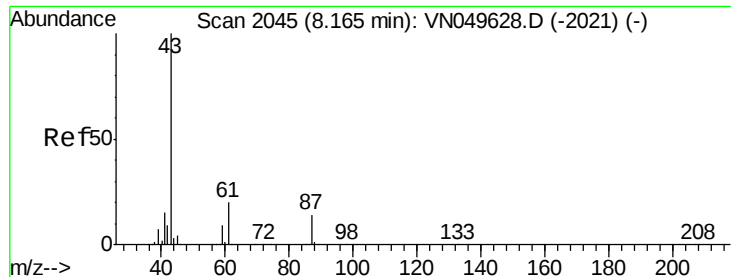
Tot Ion	75	Resp	90375
Ion Ratio	Lower	Upper	
75	100		
110	8.3	18.1	54.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.11 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.10 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

Tgt Ion	117	Resp	113956
Ion Ratio	Lower	Upper	
117	100		
119	4.9	77.2	115.8#
121	0.0	25.0	37.6#



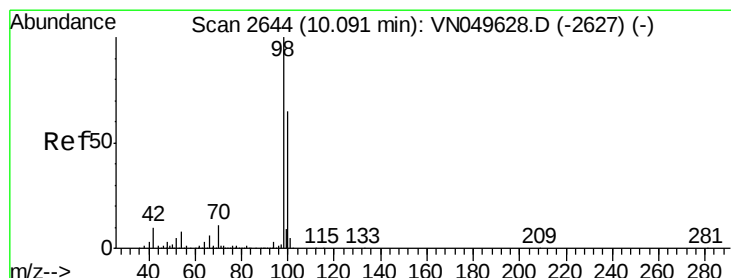
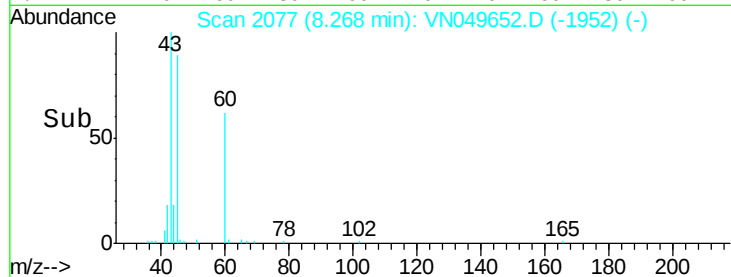
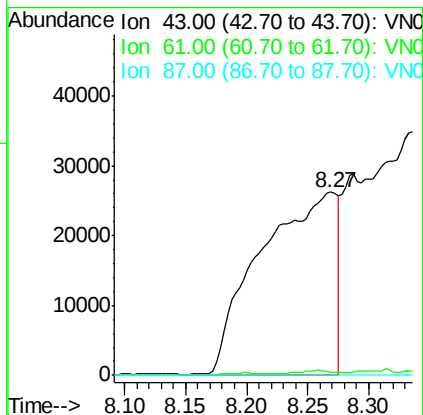
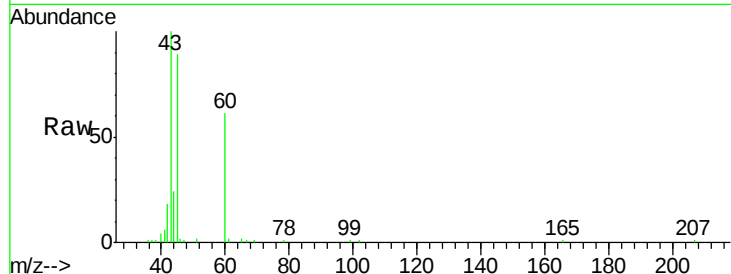


#43

Isopropyl Acetate
 Concen: 3.76 ug/l
 RT: 8.27 min Scan# 2077
 Delta R.T. 0.10 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

Instrument :
 MSVOA_N
 ClientSampleId :

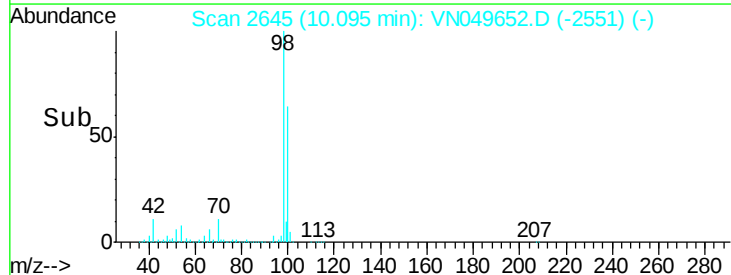
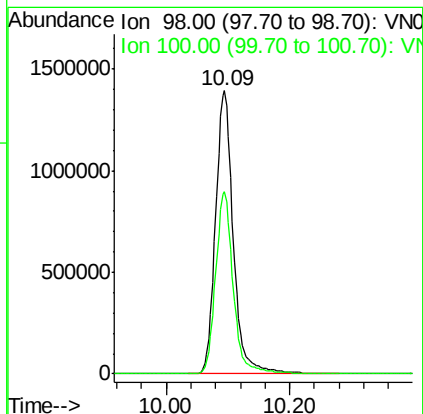
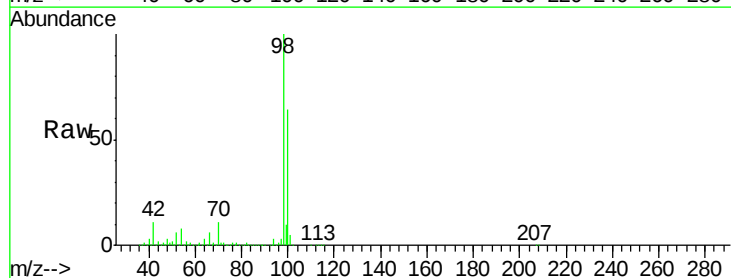
Tot Ion: 43 Resp: 114243
 Ion Ratio Lower Upper
 43 100
 61 0.8 14.9 22.3#
 87 0.0 10.0 15.0#

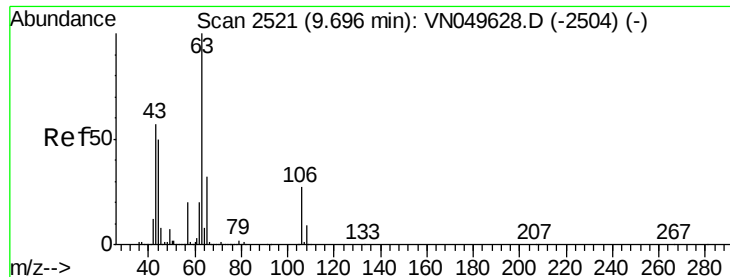


#50

Toluene-d8
 Concen: 46.53 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

Tgt Ion: 98 Resp: 2777161
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.7 77.5

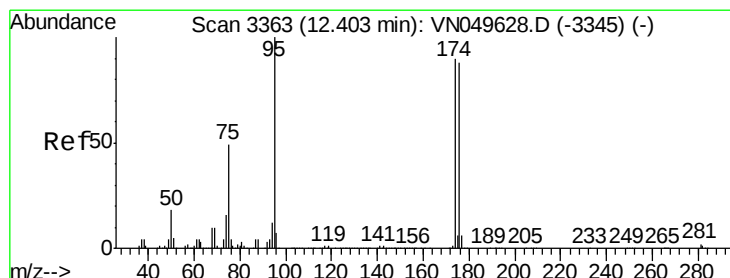
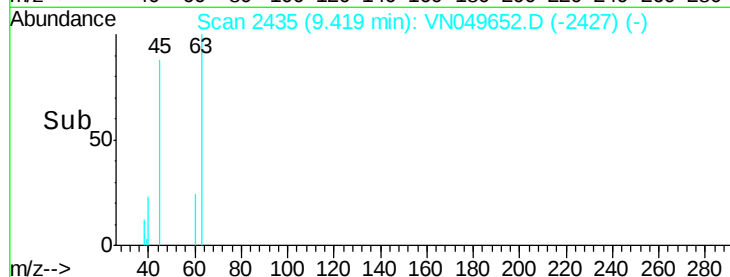
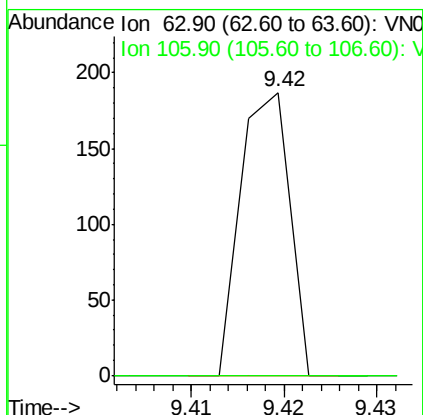
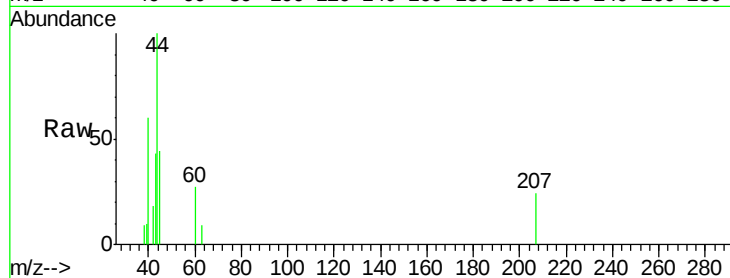




#58
2-Chloroethyl Vinyl ether
Concen: 10.83 ug/l
RT: 9.42 min Scan# 2435
Delta R.T. -0.28 min
Lab File: VN049652.D
Acq: 30 Jun 2018 17:27

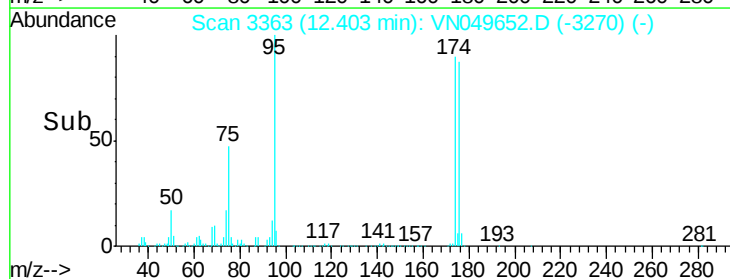
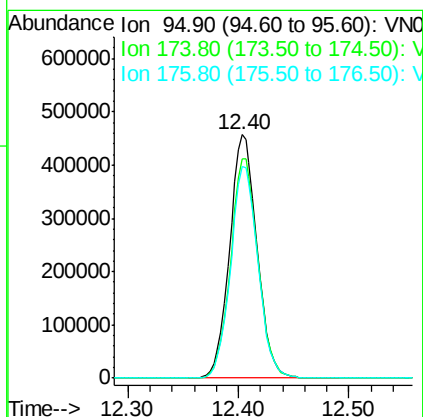
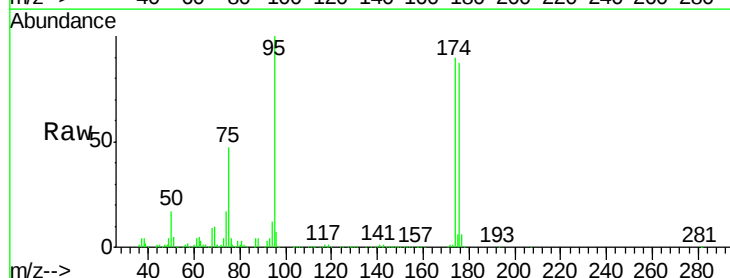
Instrument :
MSVOA_N
ClientSampleId :

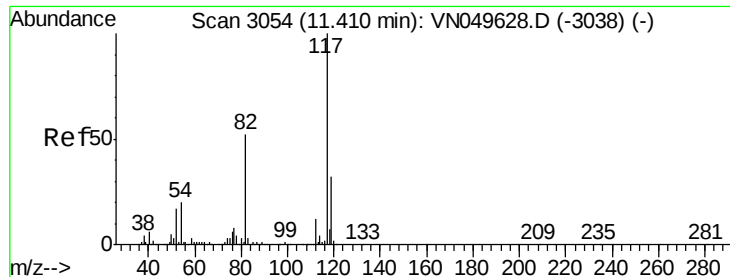
Tot Ion: 63 Resp: 69
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.8#



#62
4-Bromofluorobenzene
Concen: 38.56 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049652.D
Acq: 30 Jun 2018 17:27

Tgt Ion: 95 Resp: 785710
Ion Ratio Lower Upper
95 100
174 90.2 0.0 179.6
176 87.0 0.0 174.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

Instrument :

MSVOA_N

ClientSampled :

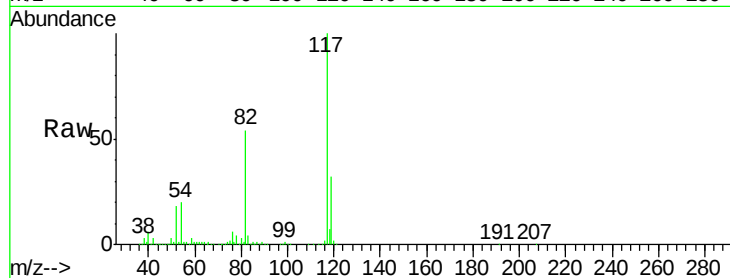
Tot Ion:117 Resp: 1720506

Ion Ratio Lower Upper

117 100

82 54.1 41.9 62.9

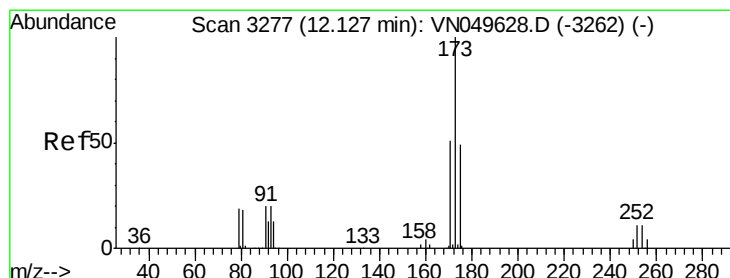
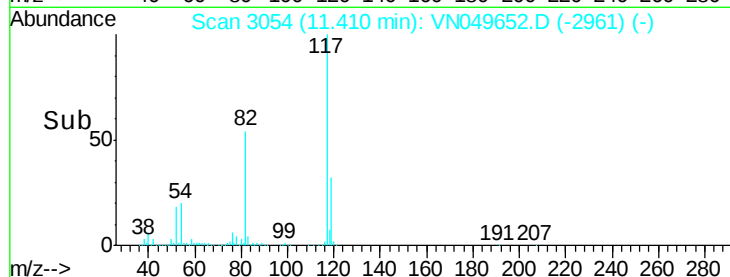
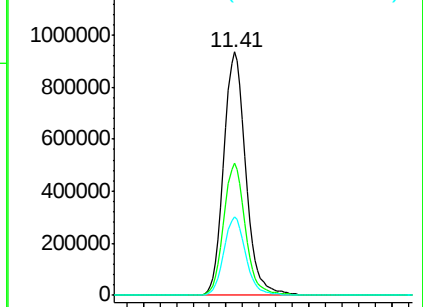
119 32.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

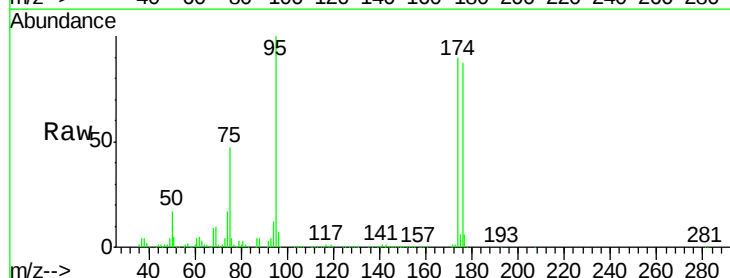
Tgt Ion:173 Resp: 6154

Ion Ratio Lower Upper

173 100

175 646.8 24.6 73.8#

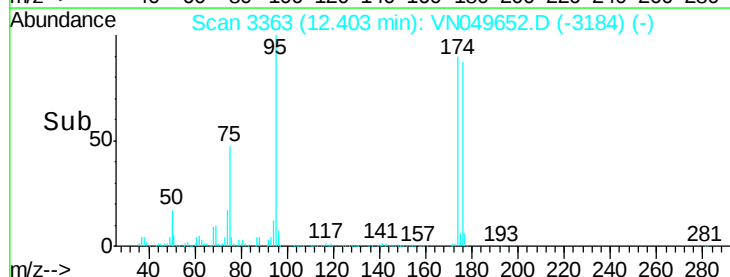
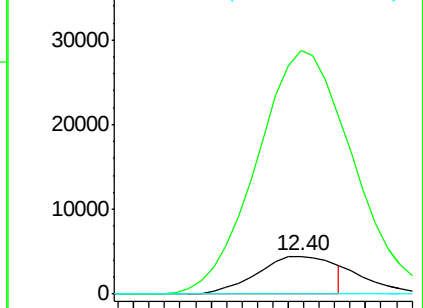
254 0.0 0.2 0.2#

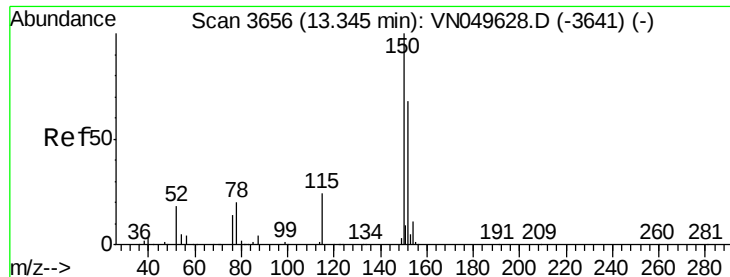


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3657

Delta R.T. 0.00 min

Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

Instrument :

MSVOA_N

ClientSampled :

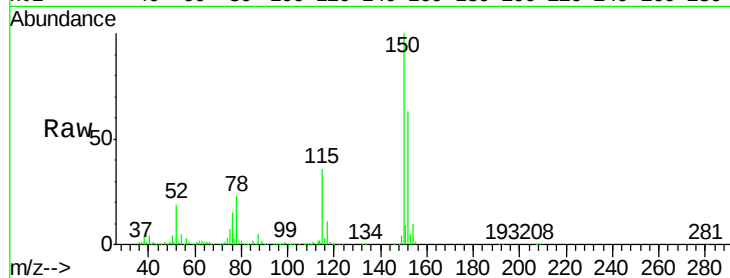
Tot Ion:152 Resp: 619502

Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.2

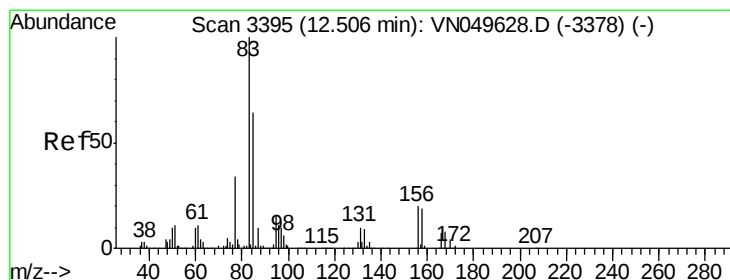
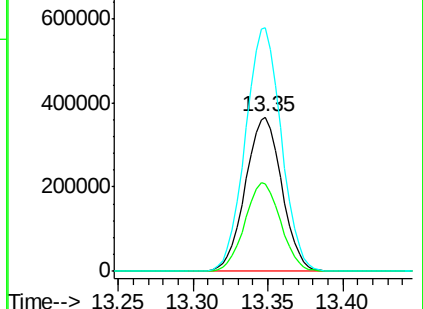
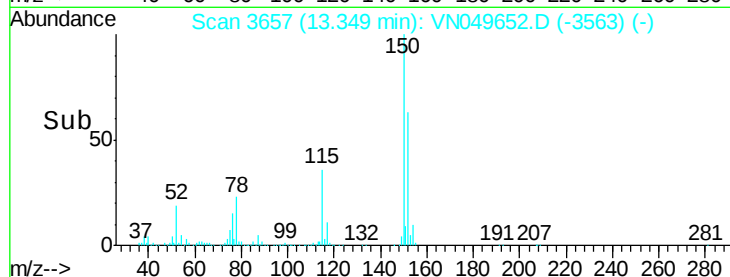
150 156.1 0.0 347.6



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# 3397

Delta R.T. 0.01 min

Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

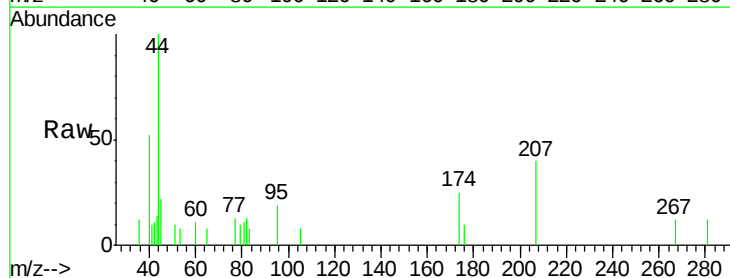
Tgt Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

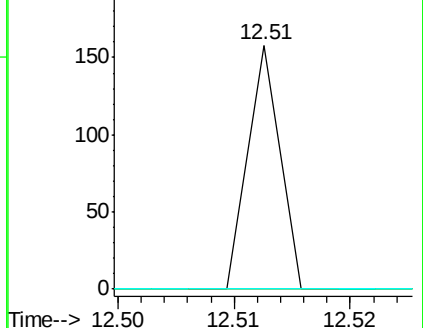
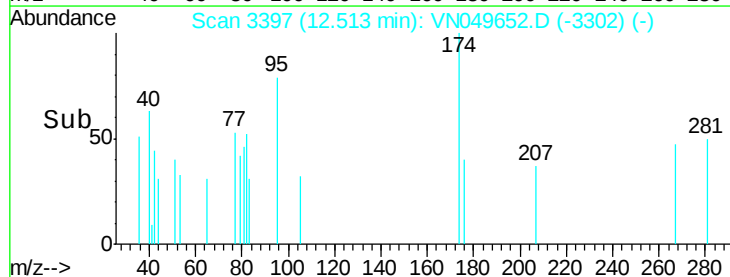
85 0.0 32.5 97.4#

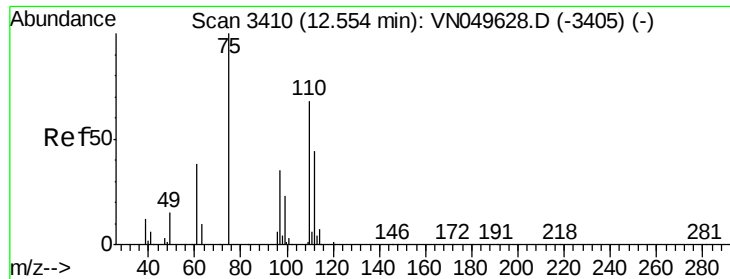


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

Instrument :

MSVOA_N

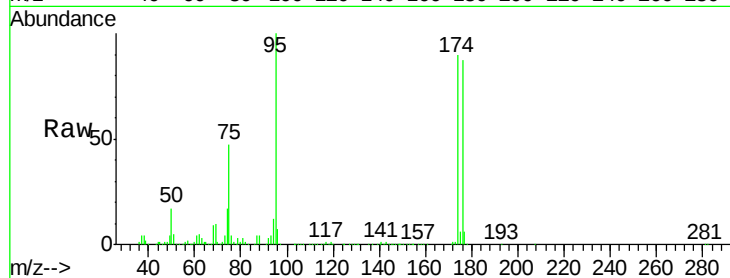
ClientSampleId :

Tot Ion: 75 Resp: 374113

Ion Ratio Lower Upper

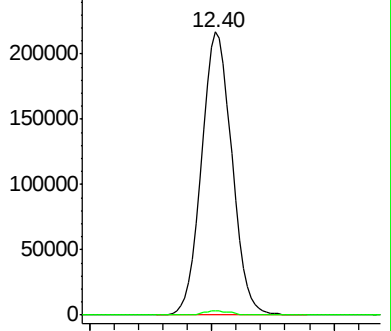
75 100

77 1.4 0.0 0.0#

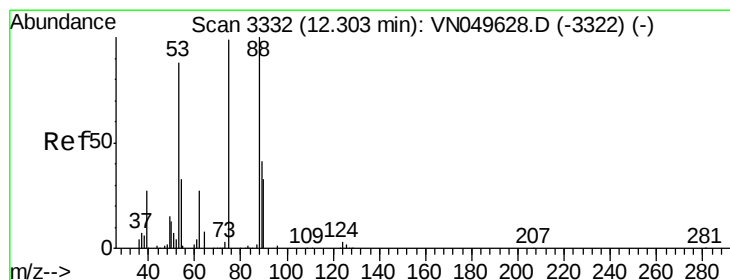
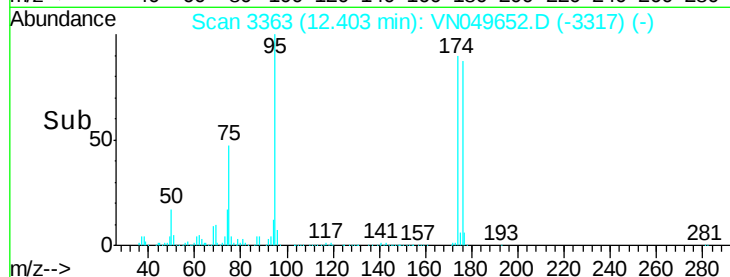


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 127.89 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

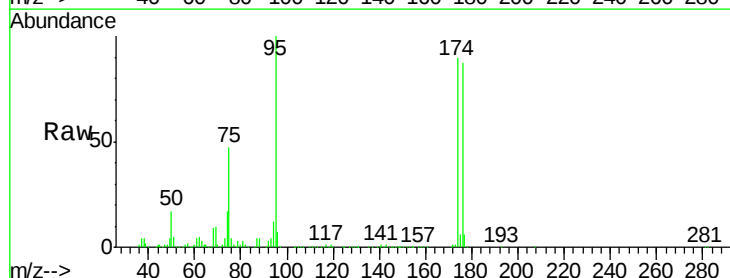
Tgt Ion: 75 Resp: 374113

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

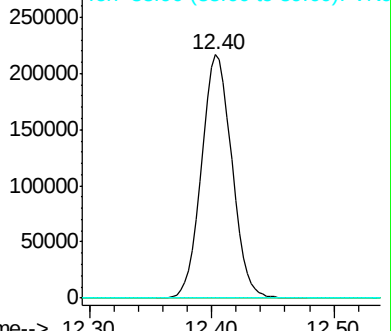
89 0.0 35.9 53.9#



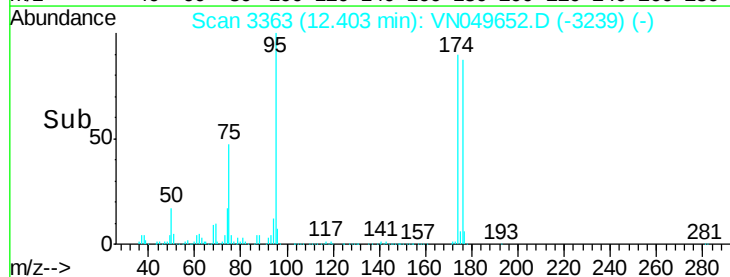
Abundance Ion 74.90 (74.60 to 75.60): VNO

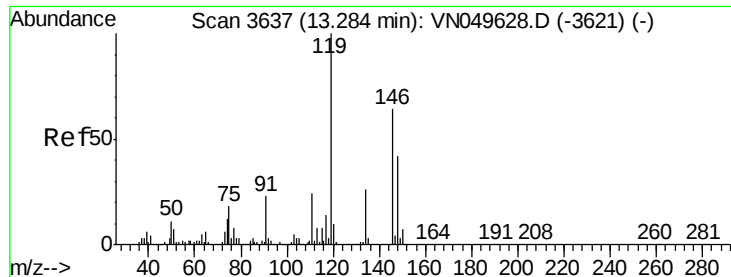
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



Time--> 12.30 12.40 12.50





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.29 min Scan# 3640

Delta R.T. 0.01 min

Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

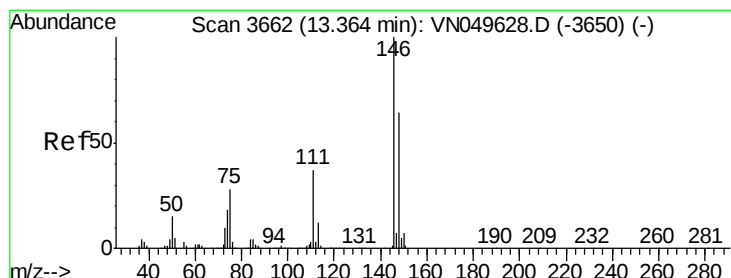
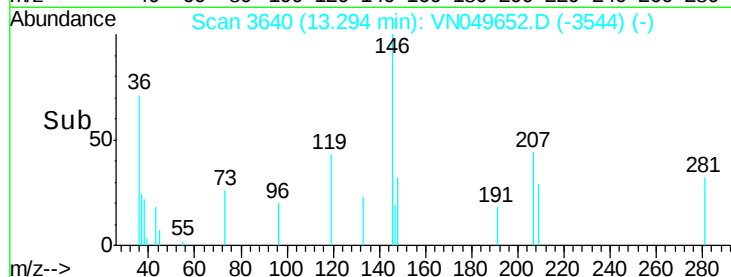
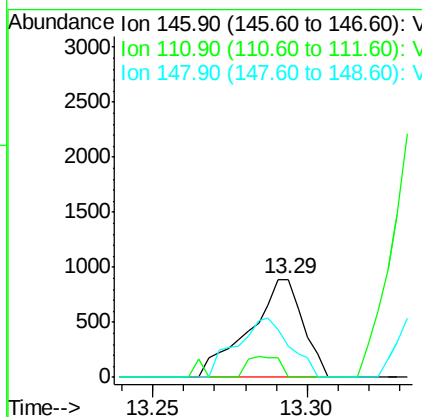
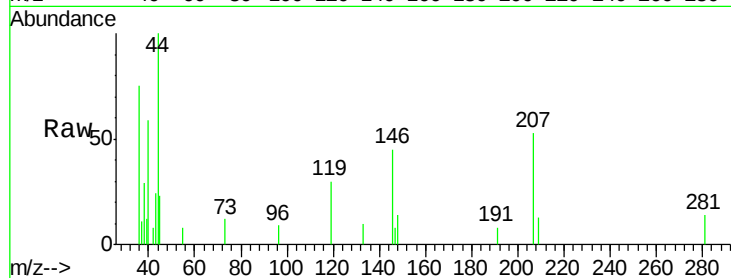
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 1073

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.0	57.0#
148	60.1	32.5	97.5



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.37 min Scan# 3663

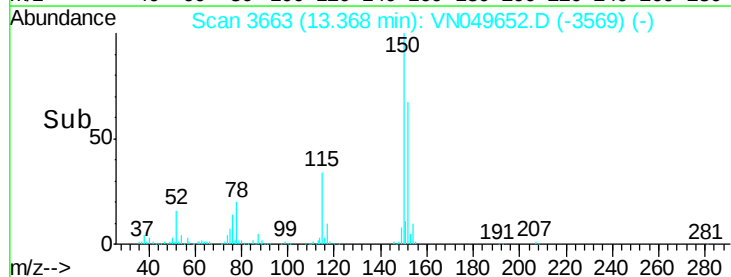
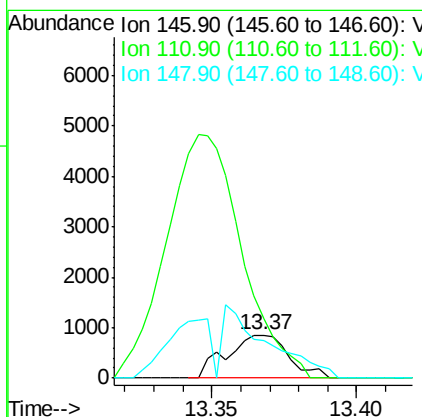
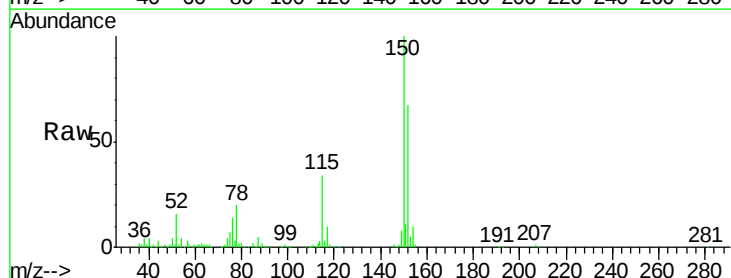
Delta R.T. 0.00 min

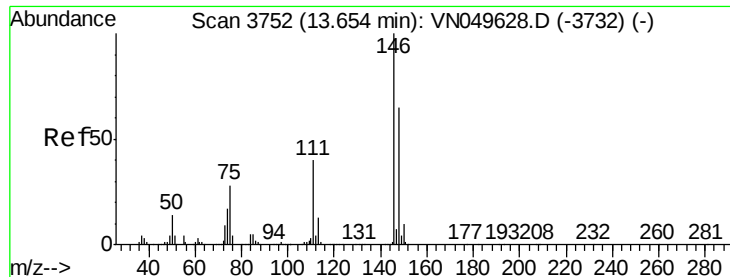
Lab File: VN049652.D

Acq: 30 Jun 2018 17:27

Tgt Ion:146 Resp: 1266

Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.5#
148	122.4	32.1	96.3#

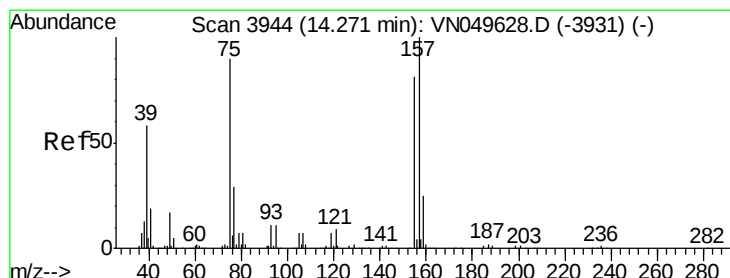
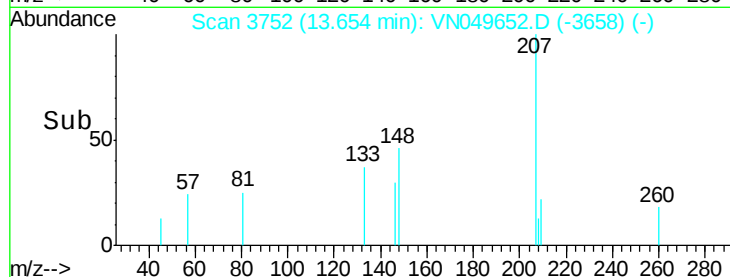
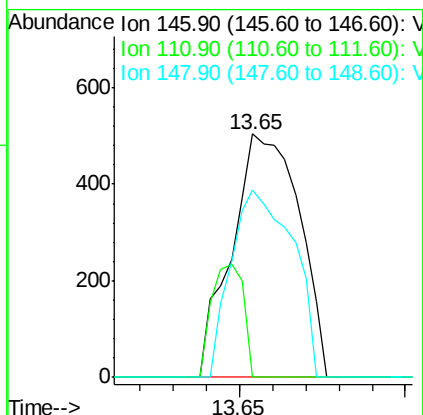
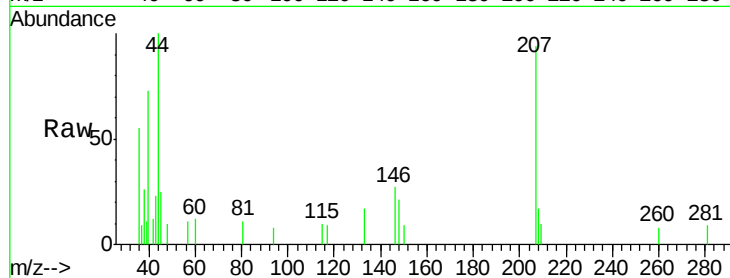




#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

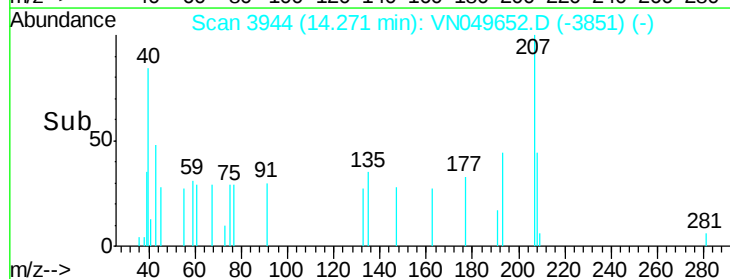
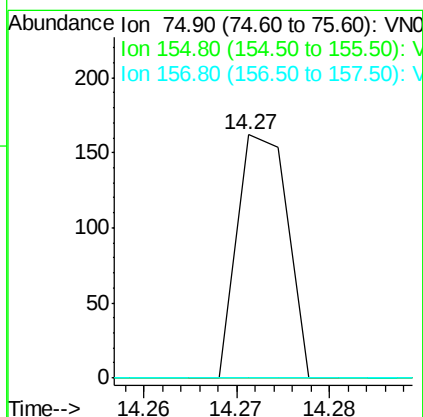
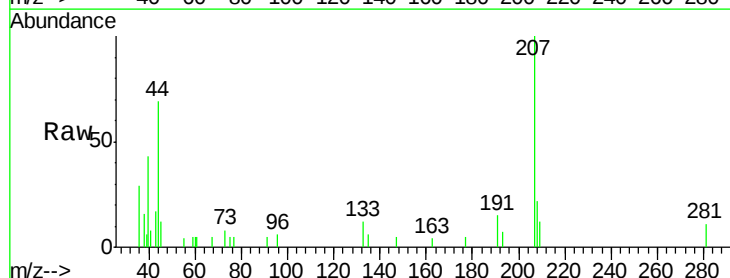
Instrument :
 MSVOA_N
 ClientSampleId :

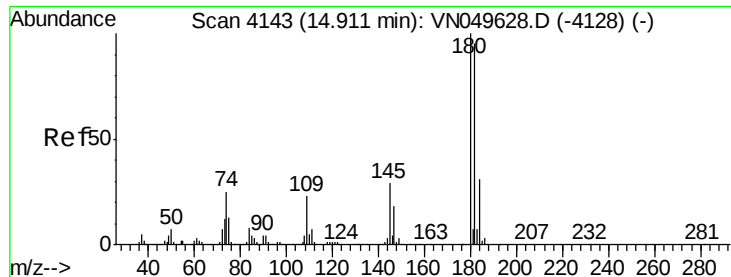
Tot Ion:146 Resp: 714
 Ion Ratio Lower Upper
 146 100
 111 21.8 19.7 59.1
 148 70.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

Tgt Ion: 75 Resp: 61
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.7 137.1#
 157 0.0 56.9 170.7#

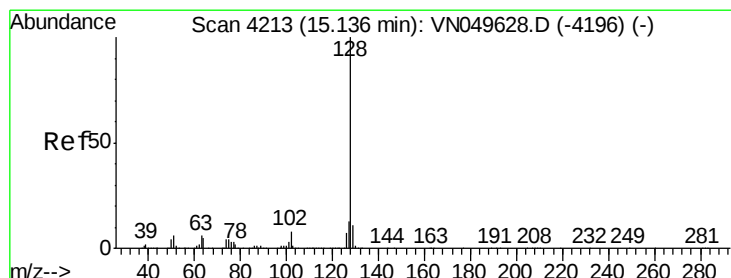
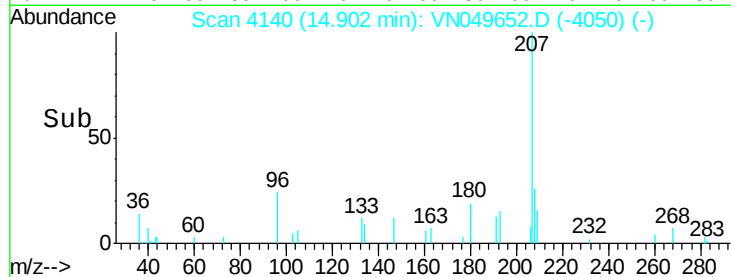
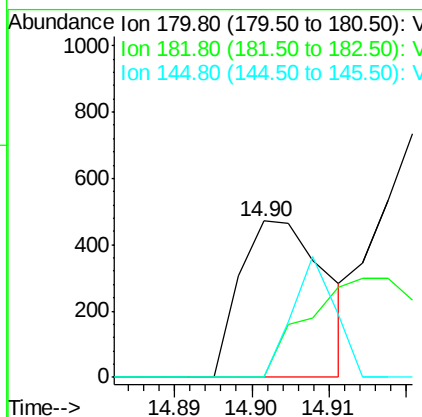
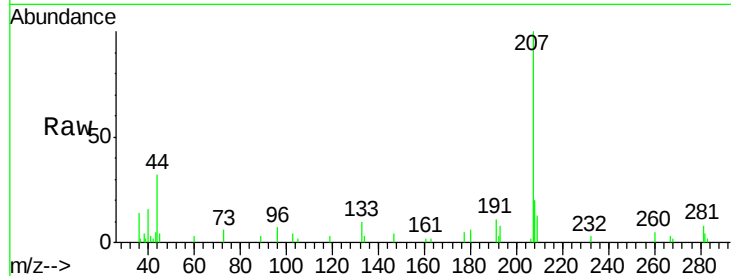




#93
 1,2,4-Trichlorobenzene
 Concen: 2.43 ug/l
 RT: 14.90 min Scan# 4140
 Delta R.T. -0.01 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

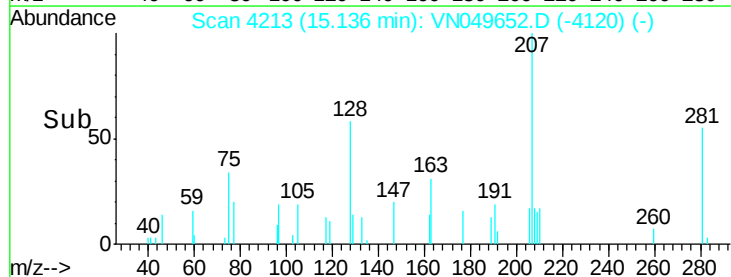
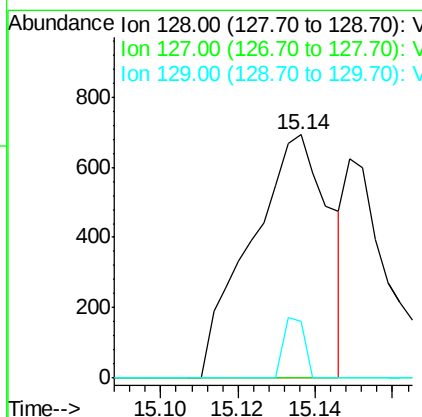
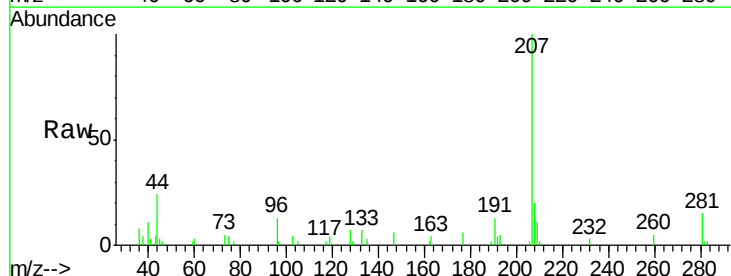
Instrument :
 MSVOA_N
 ClientSampled :

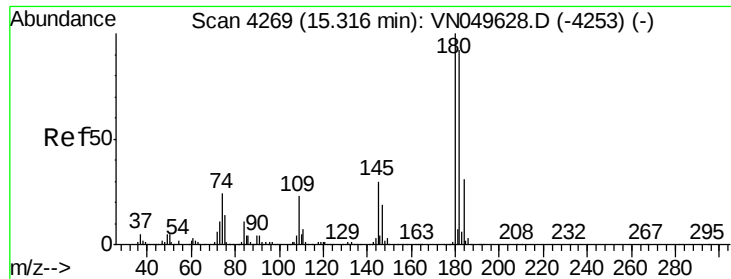
Tot Ion:180 Resp: 363
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 38.6 14.4 43.0



#95
 Naphthalene
 Concen: 4.08 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

Tgt Ion:128 Resp: 978
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 6.6 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.69 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN049652.D
 Acq: 30 Jun 2018 17:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	42.0	47.4	142.2#
145	0.0	15.2	45.6#

