

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049634.D
 Acq On : 29 Jun 2018 16:32
 Operator : MD\SY
 Sample : VN0629WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 30 01:18:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 29 15:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1602283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2498169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2095441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	823814	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	1021204	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
35) Dibromofluoromethane	7.59	113	900681	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	10.09	98	3387623	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
62) 4-Bromofluorobenzene	12.40	95	988216	39.59	ug/l	0.00
Spiked Amount			Recovery	=	79.18%	

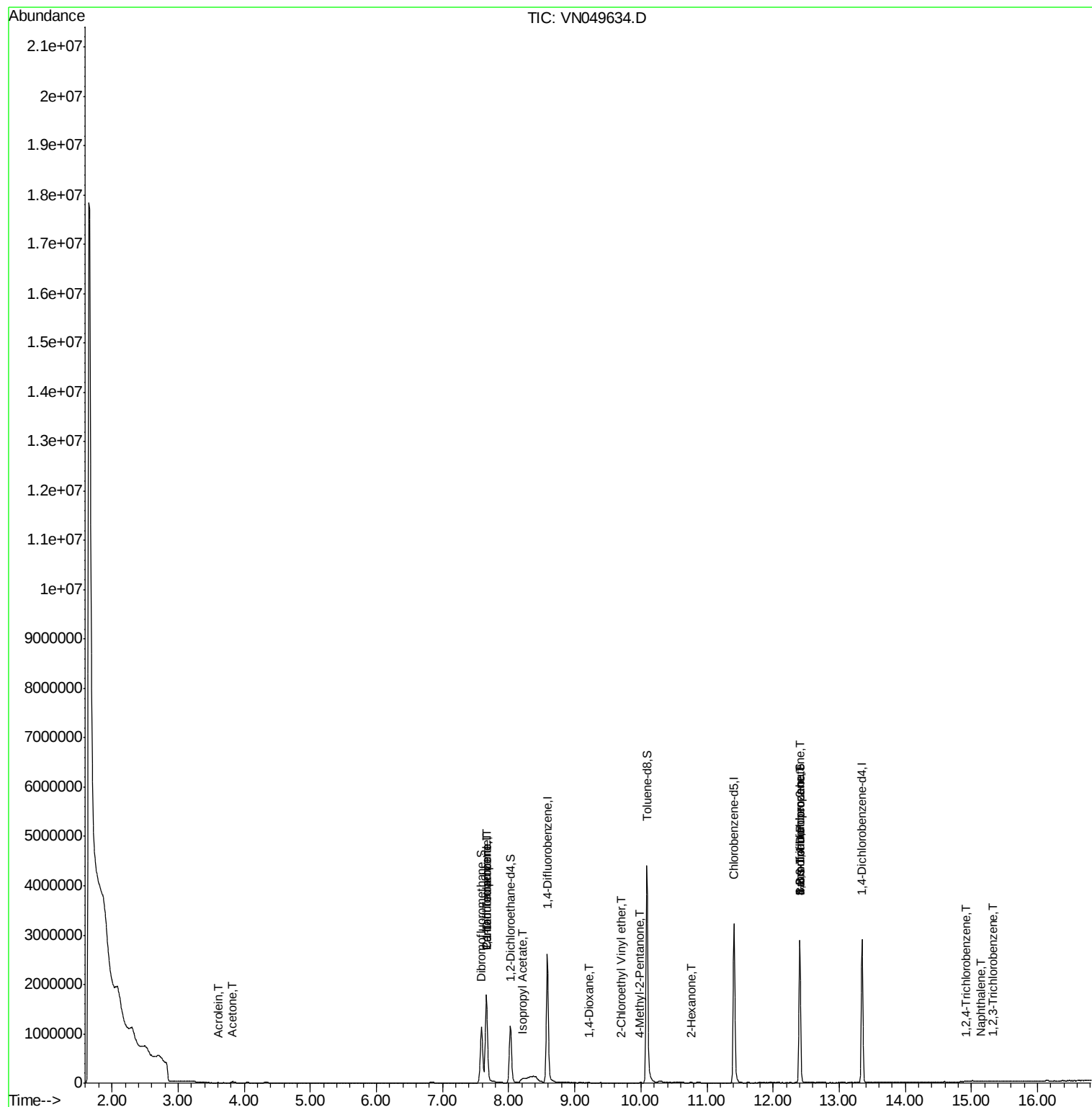
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	1097	0.97	ug/l	# 25
16) Acetone	3.82	43	45651	8.42	ug/l	91
17) Carbon Disulfide	4.05	76	12983	Below	Cal	# 87
18) Methyl Acetate	4.33	43	18125	Below	Cal	92
36) 1,1-Dichloropropene	7.66	75	109836	3.91	ug/l	# 45
38) Carbon Tetrachloride	7.67	117	138582	5.07	ug/l	# 16
43) Isopropyl Acetate	8.21	43	58601	1.23	ug/l	# 66
49) 1,4-Dioxane	9.21	88	239	1.22	ug/l	# 56
51) 4-Methyl-2-Pentanone	9.99	43	4458	0.28	ug/l	# 39
58) 2-Chloroethyl Vinyl ether	9.71	63	238	13.22	ug/l	# 59
59) 2-Hexanone	10.76	43	5480	0.52	ug/l	97
71) Bromoform	12.40	173	7336	0.56	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.51	83	739	Below	Cal	# 70
76) 1,2,3-Trichloropropane	12.40	75	478218	37.13	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	478218	122.93	ug/l	# 9
87) 1,3-Dichlorobenzene	13.28	146	4295	Below	Cal	# 83
88) 1,4-Dichlorobenzene	13.37	146	5557	Below	Cal	# 1
91) 1,2-Dichlorobenzene	13.66	146	3750	Below	Cal	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29	Below	Cal	# 1
93) 1,2,4-Trichlorobenzene	14.91	180	3922	2.65	ug/l	95
94) Hexachlorobutadiene	15.01	225	3347	Below	Cal	92
95) Naphthalene	15.14	128	10104	2.94	ug/l	# 94
96) 1,2,3-Trichlorobenzene	15.32	180	4672	1.96	ug/l	# 86

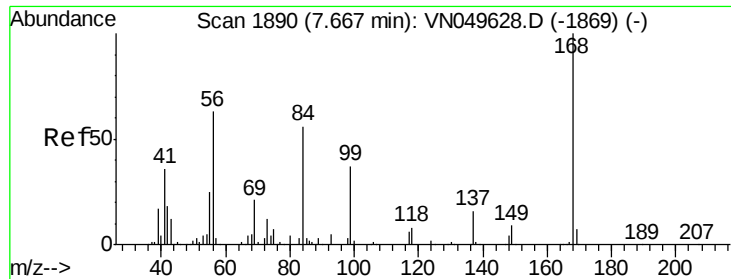
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
Data File : VN049634.D
Acq On : 29 Jun 2018 16:32
Operator : MD\SY
Sample : VN0629WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 30 01:18:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 29 15:11:52 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

Instrument :

MSVOA_N

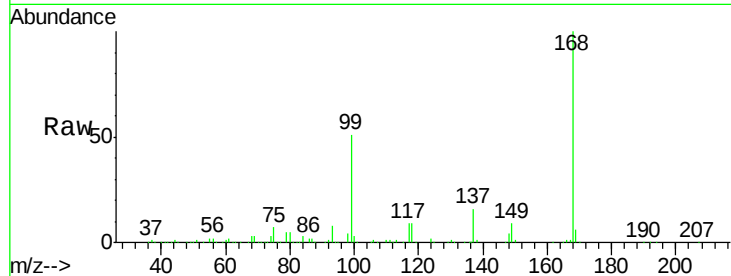
ClientSampled :

Tot Ion:168 Resp: 1602283

Ion Ratio Lower Upper

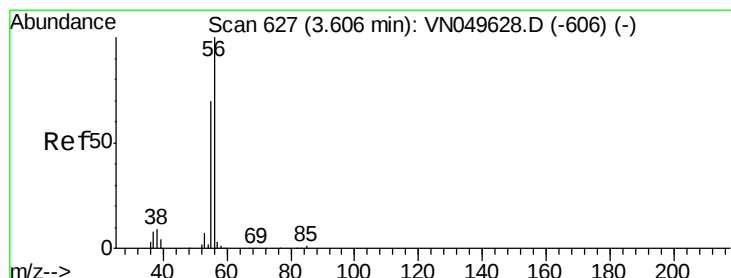
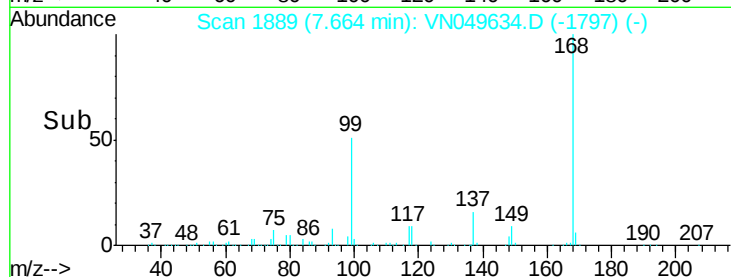
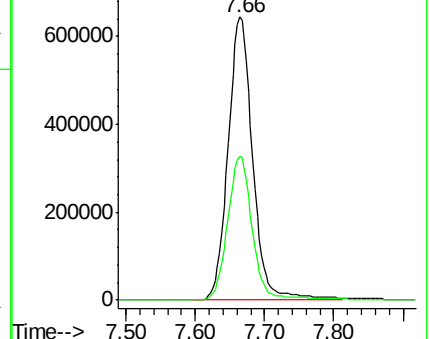
168 100

99 51.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 0.97 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049634.D

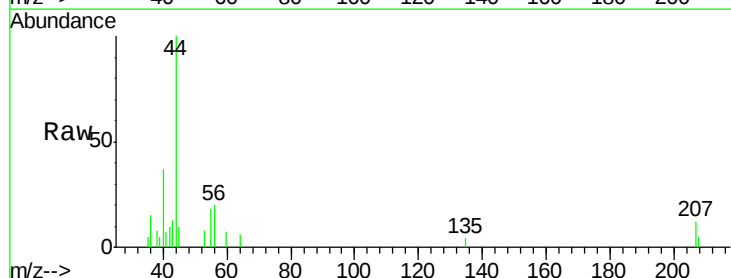
Acq: 29 Jun 2018 16:32

Tgt Ion: 56 Resp: 1097

Ion Ratio Lower Upper

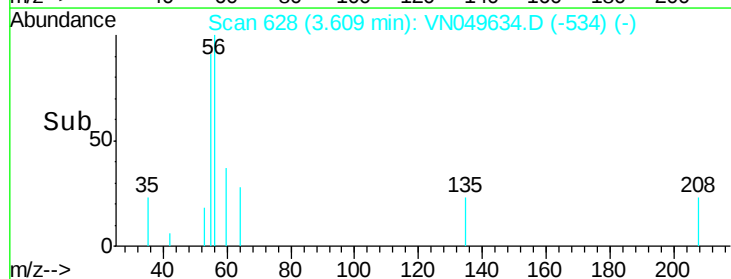
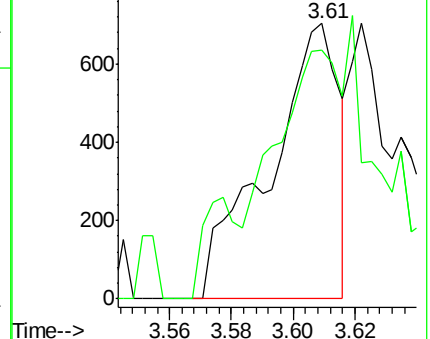
56 100

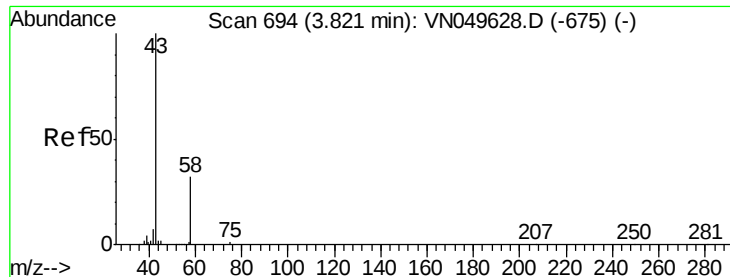
55 133.9 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 8.42 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

Instrument :

MSVOA_N

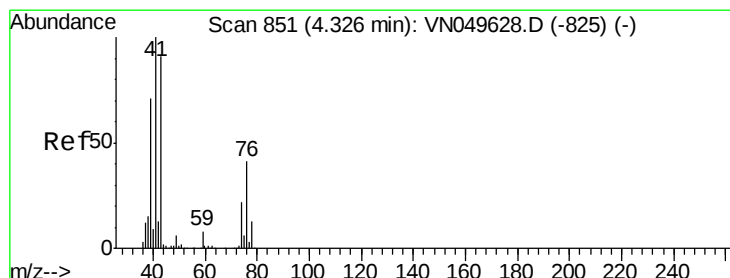
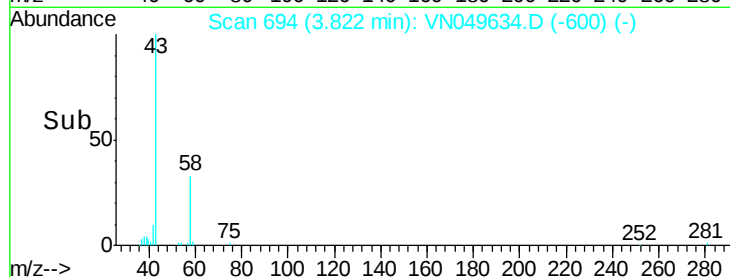
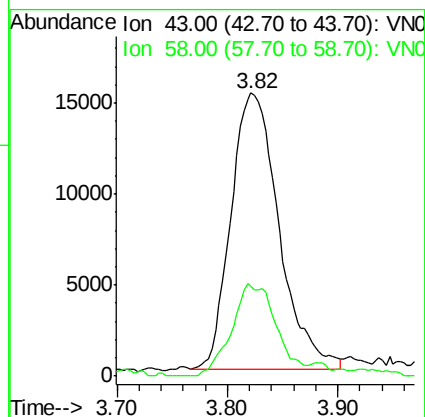
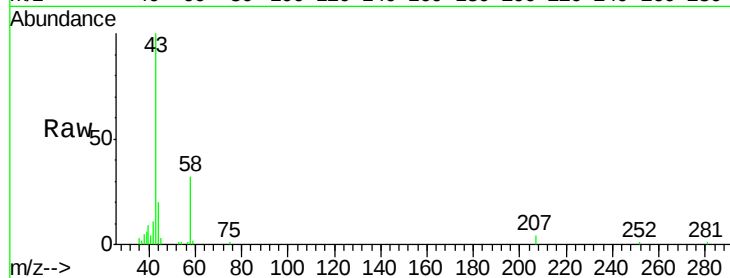
ClientSampled :

Tot Ion: 43 Resp: 45651

Ion Ratio Lower Upper

43 100

58 32.8 22.4 33.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049634.D

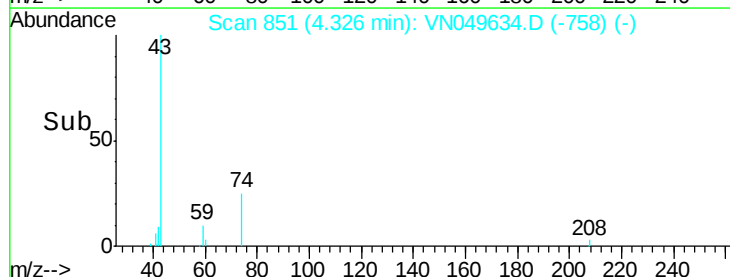
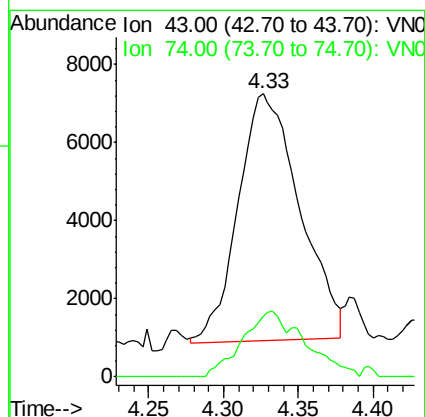
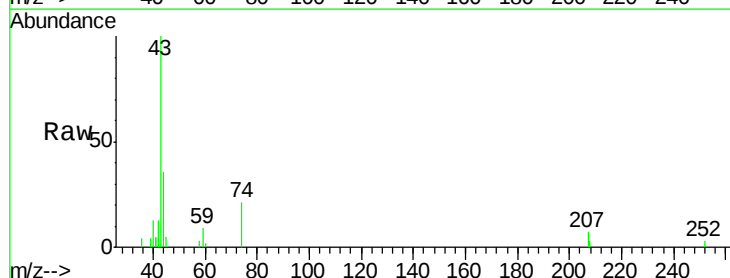
Acq: 29 Jun 2018 16:32

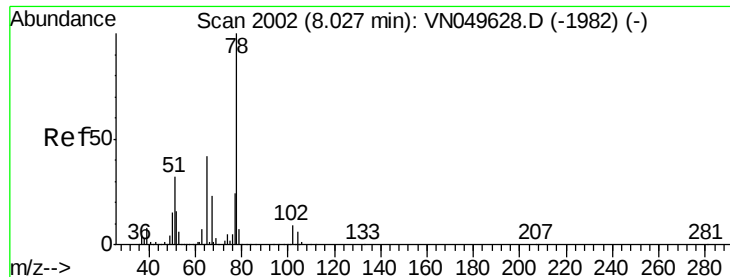
Tgt Ion: 43 Resp: 18125

Ion Ratio Lower Upper

43 100

74 17.8 17.4 26.0

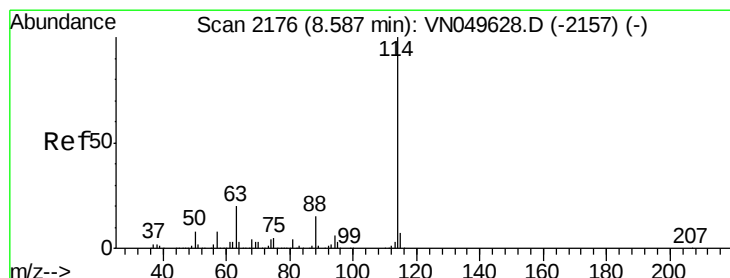
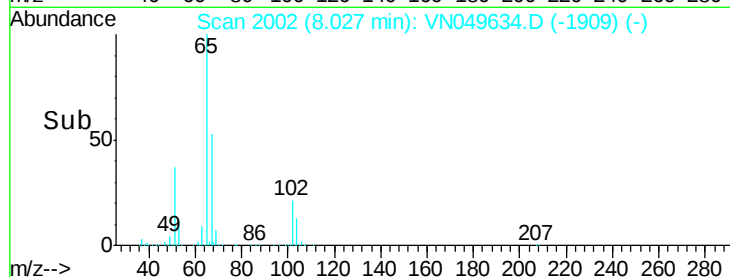
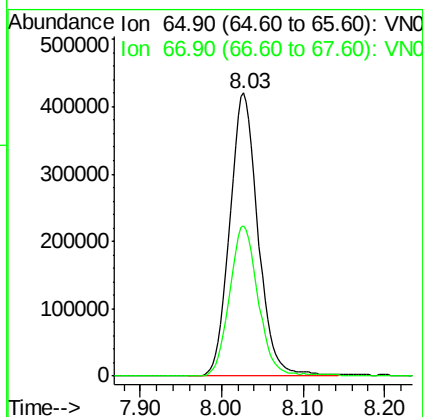
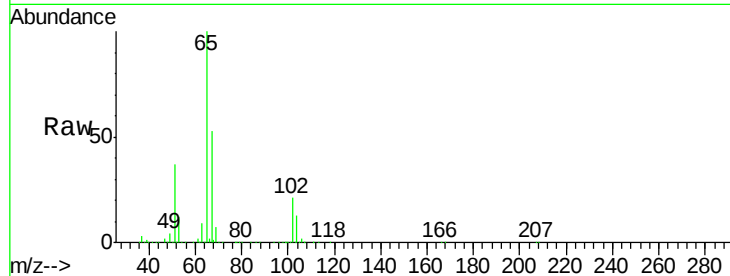




#33
 1,2-Dichloroethane-d4
 Concen: 48.26 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049634.D
 Acq: 29 Jun 2018 16:32

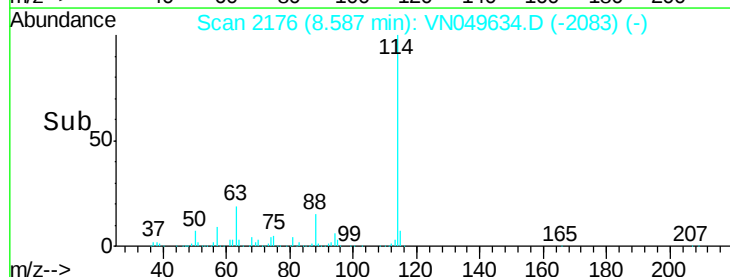
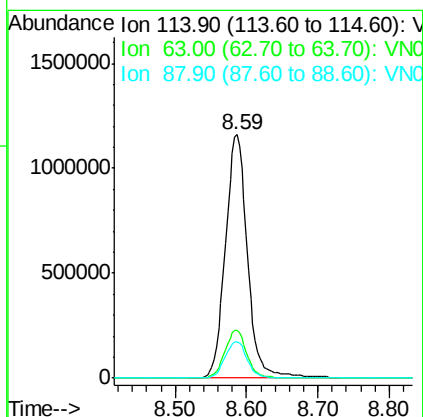
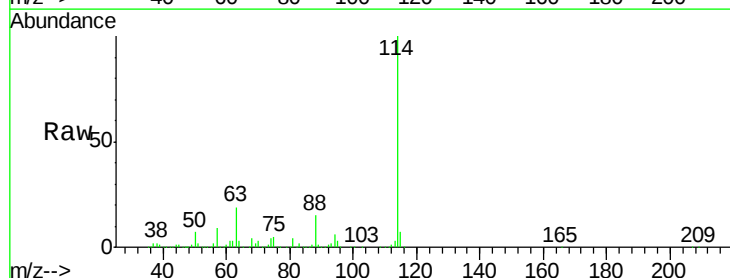
Instrument :
 MSVOA_N
 ClientSampleId :

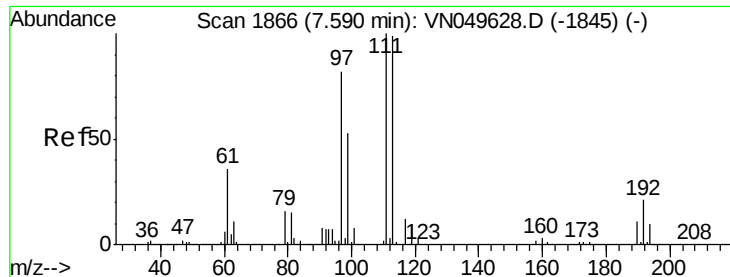
Tot Ion: 65 Resp: 1021204
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049634.D
 Acq: 29 Jun 2018 16:32

Tgt Ion: 114 Resp: 2498169
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 44.4
 88 15.1 0.0 31.4

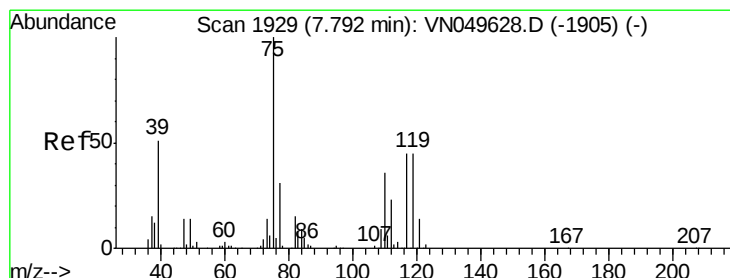
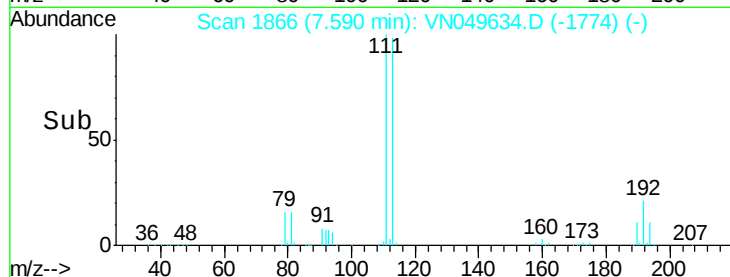
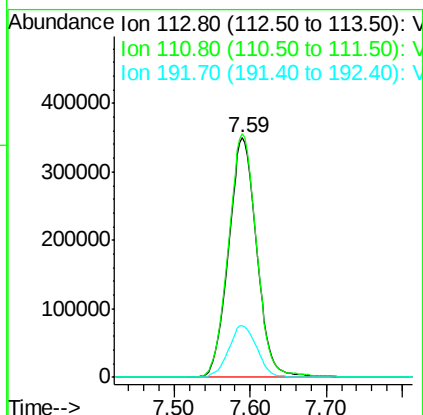
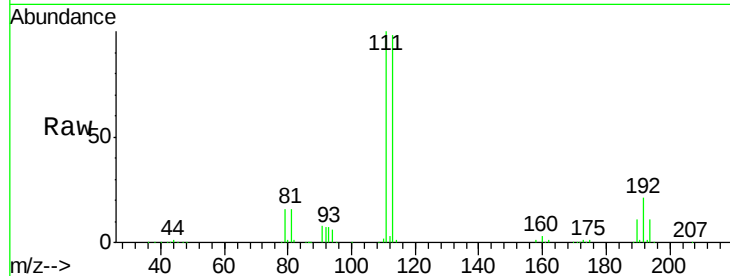




#35
 Dibromofluoromethane
 Concen: 48.23 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049634.D
 Acq: 29 Jun 2018 16:32

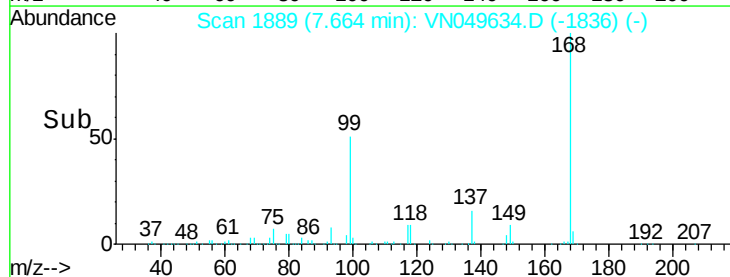
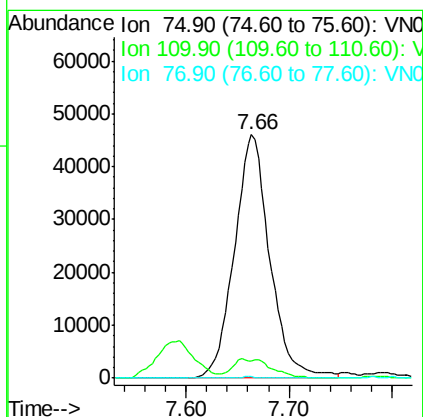
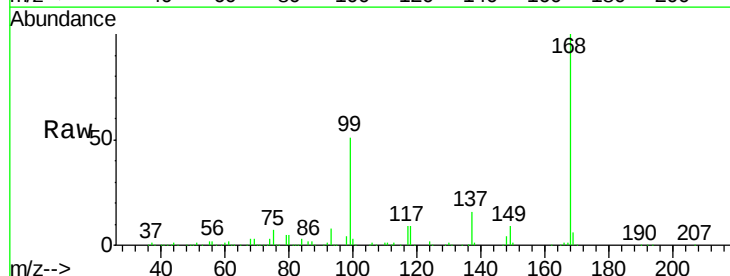
Instrument :
 MSVOA_N
 ClientSampleId :

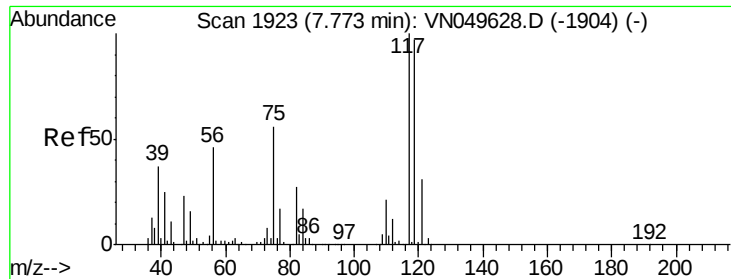
Tot Ion:113 Resp: 900681
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.4 123.6
 192 21.8 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049634.D
 Acq: 29 Jun 2018 16:32

Tgt Ion: 75 Resp: 109836
 Ion Ratio Lower Upper
 75 100
 110 2.7 17.0 50.9#
 77 0.2 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.07 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

Instrument :

MSVOA_N

ClientSampled :

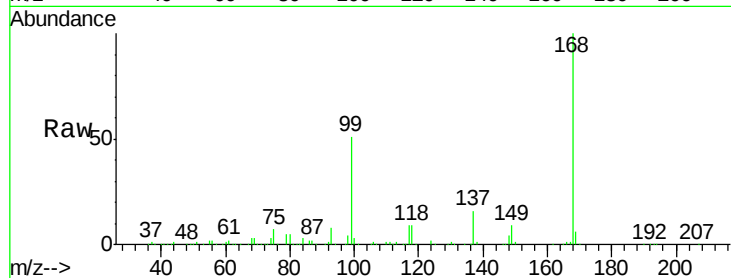
Tot Ion:117 Resp: 138582

Ion Ratio Lower Upper

117 100

119 4.8 75.6 113.4#

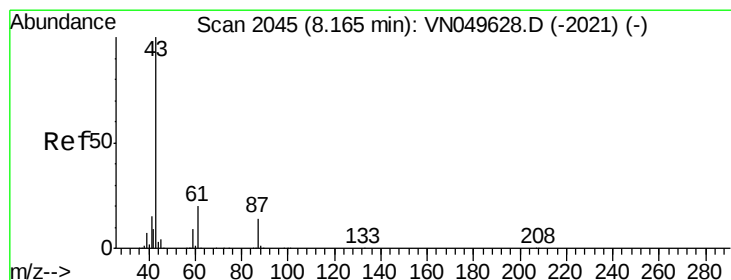
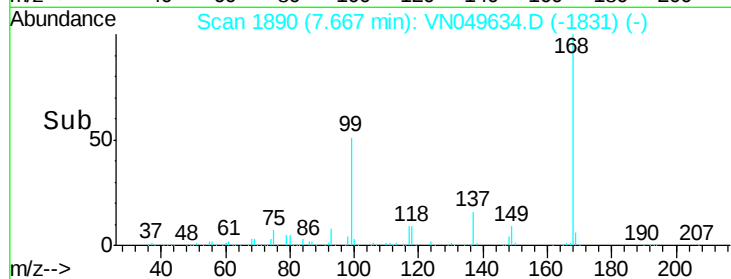
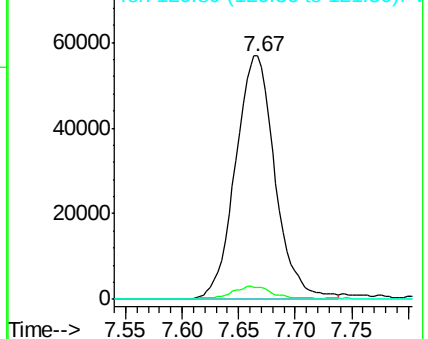
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.23 ug/l

RT: 8.21 min Scan# 2058

Delta R.T. 0.04 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

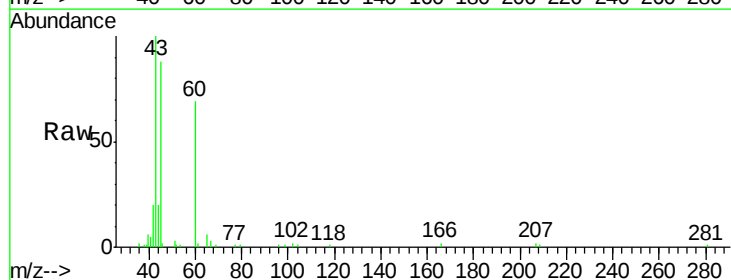
Tgt Ion: 43 Resp: 58601

Ion Ratio Lower Upper

43 100

61 1.9 14.2 21.4#

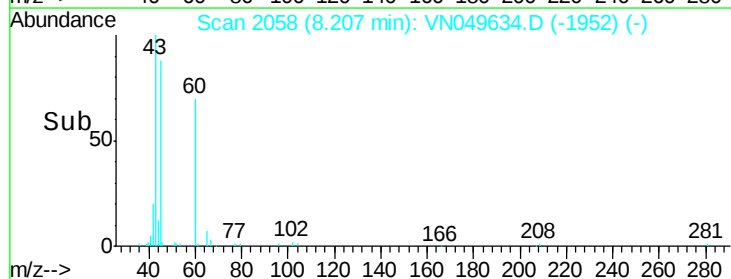
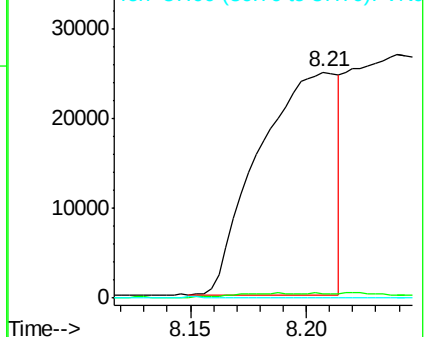
87 0.0 9.4 14.0#

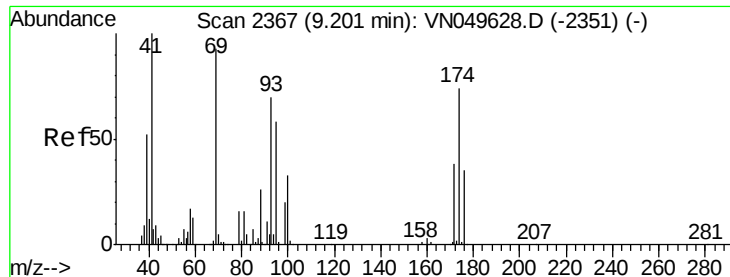


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

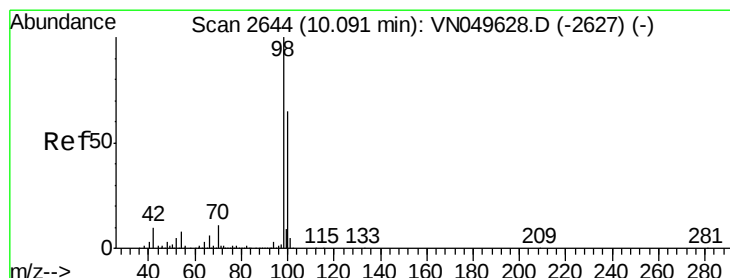
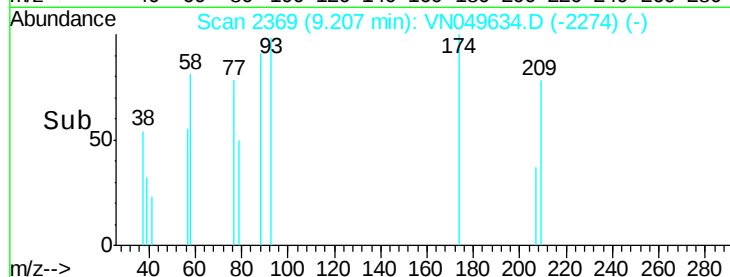
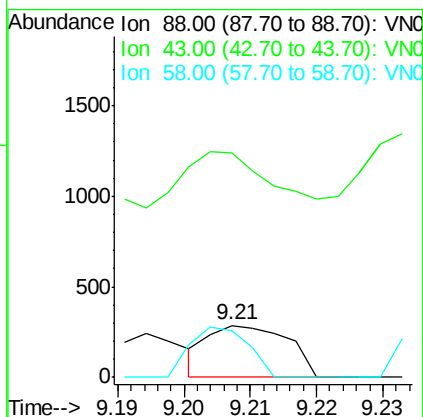
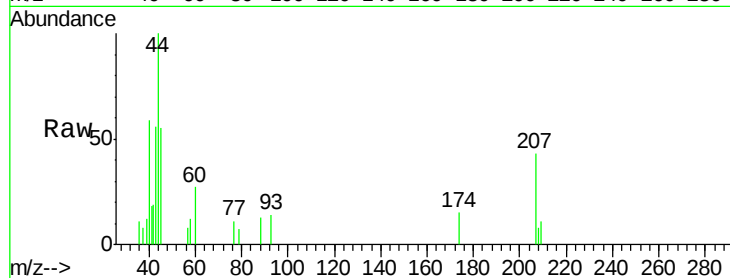




#49
1,4-Dioxane
Concen: 1.22 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.01 min
Lab File: VN049634.D
Acq: 29 Jun 2018 16:32

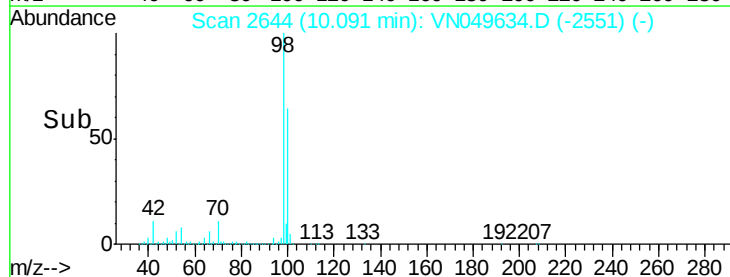
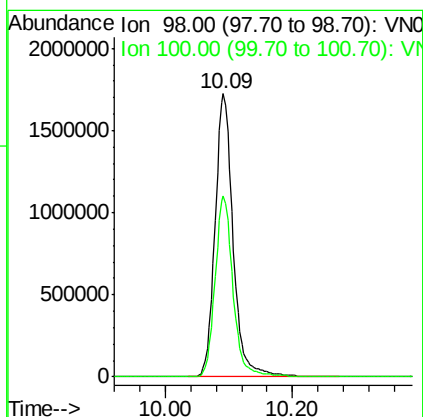
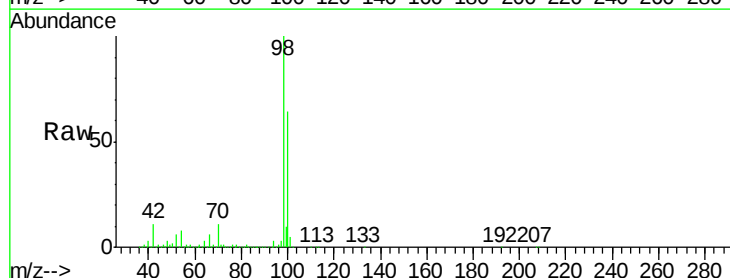
Instrument :
MSVOA_N
ClientSampleId :

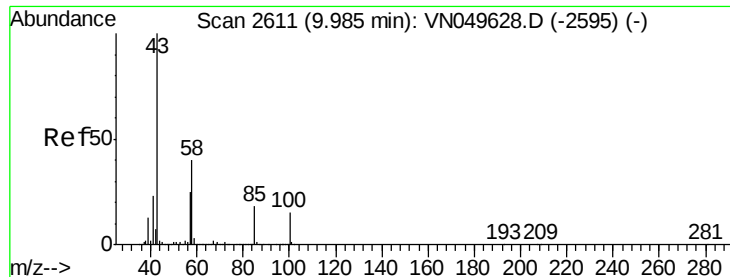
Tot Ion: 88 Resp: 239
Ion Ratio Lower Upper
88 100
43 112.6 30.9 46.3#
58 70.7 58.9 88.3



#50
Toluene-d8
Concen: 46.34 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049634.D
Acq: 29 Jun 2018 16:32

Tgt Ion: 98 Resp: 3387623
Ion Ratio Lower Upper
98 100
100 63.9 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 0.28 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

Instrument :

MSVOA_N

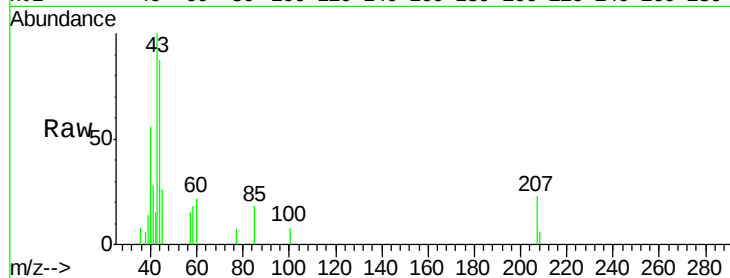
ClientSampled :

Tot Ion: 43 Resp: 4458

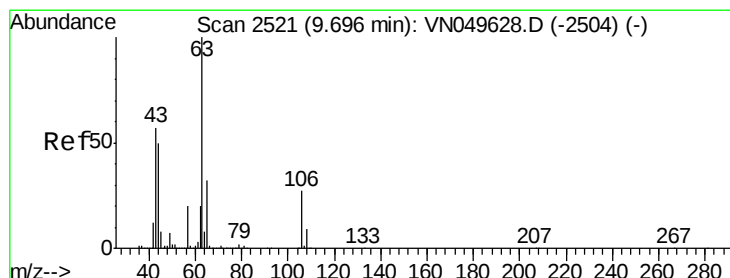
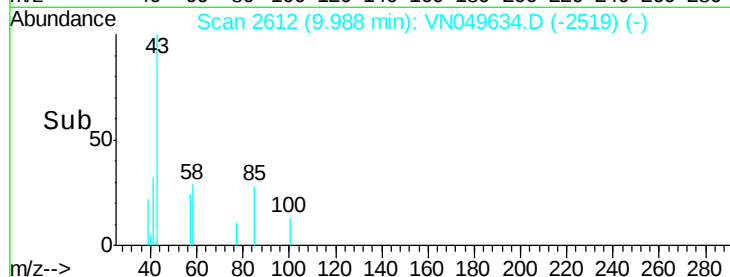
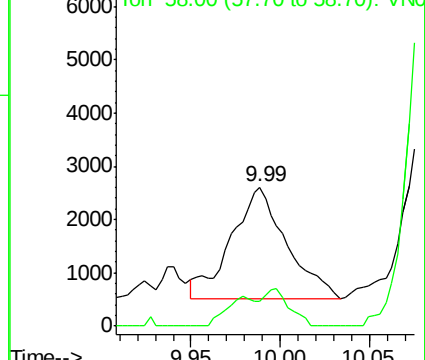
Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2595) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 13.22 ug/l

RT: 9.71 min Scan# 2524

Delta R.T. 0.01 min

Lab File: VN049634.D

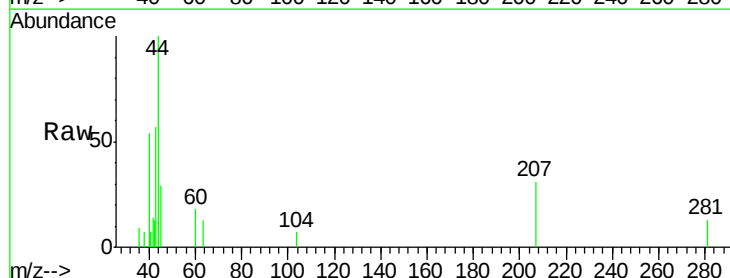
Acq: 29 Jun 2018 16:32

Tgt Ion: 63 Resp: 238

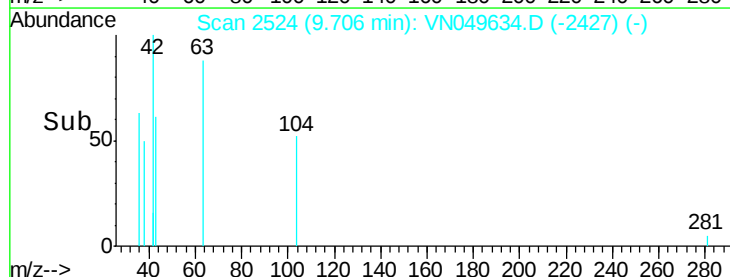
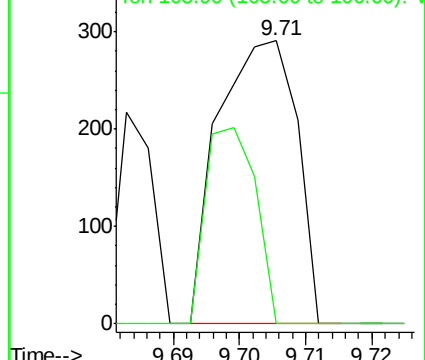
Ion Ratio Lower Upper

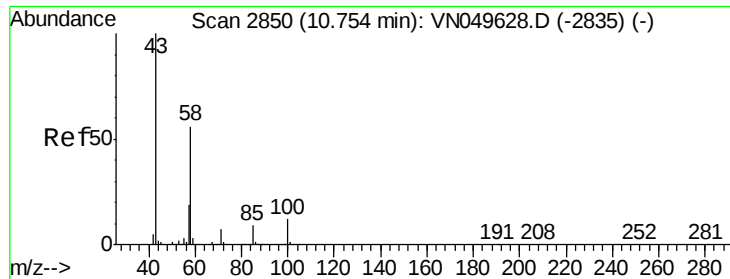
63 100

106 44.5 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-2504) (-)

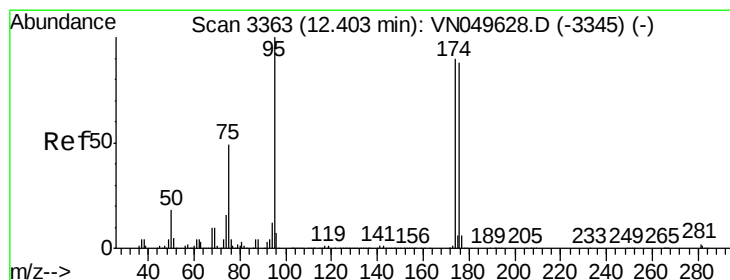
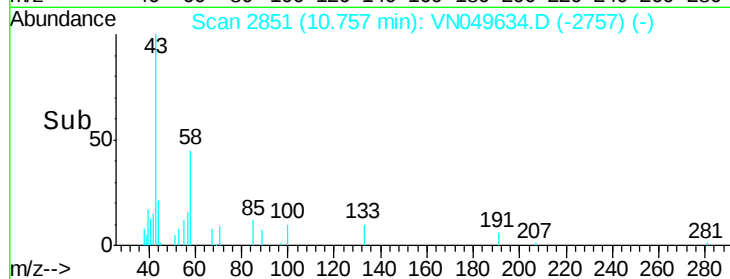
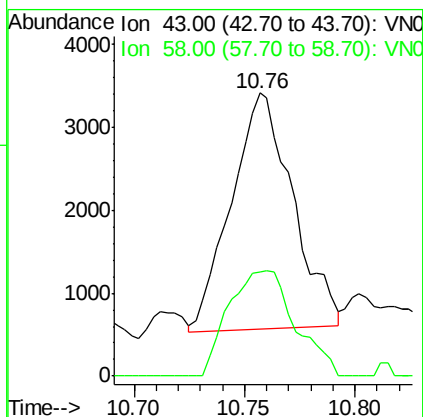
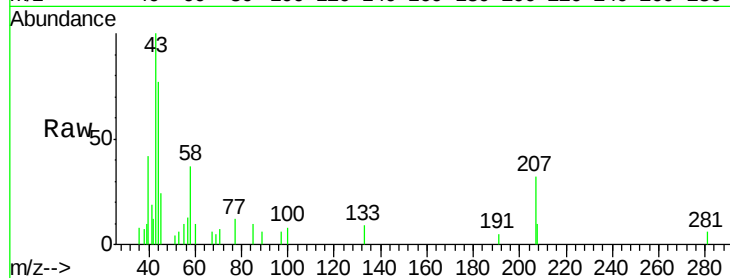




#59
2-Hexanone
Concen: 0.52 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049634.D
Acq: 29 Jun 2018 16:32

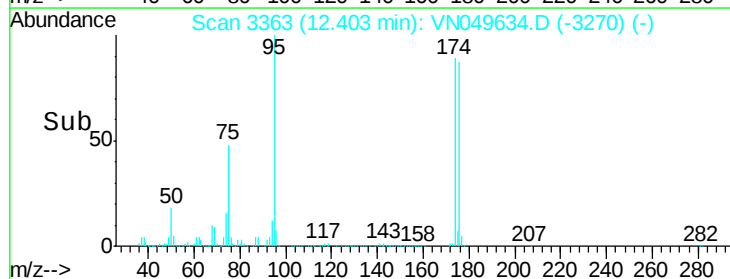
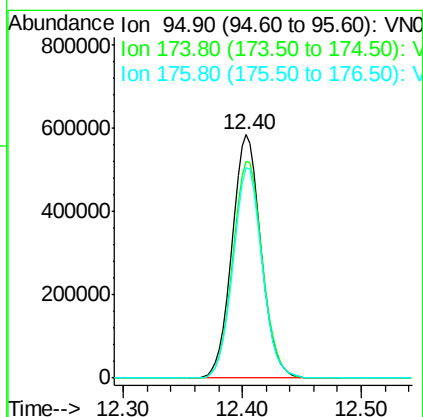
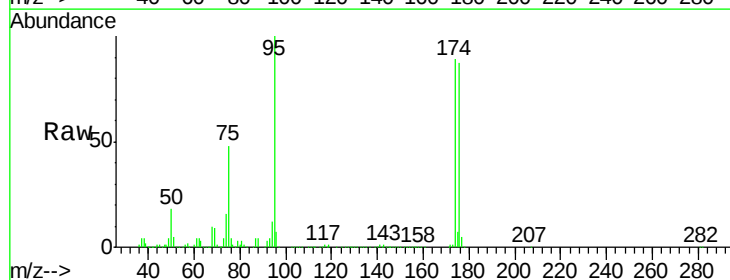
Instrument :
MSVOA_N
ClientSampleId :

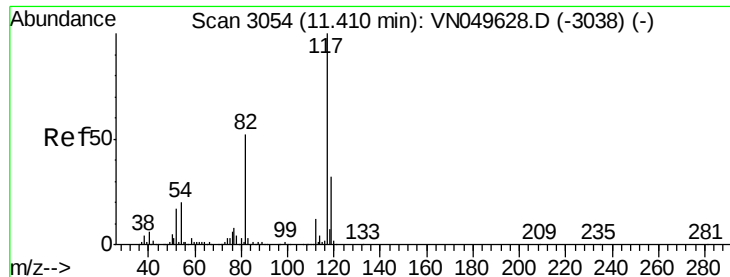
Tot Ion: 43 Resp: 5480
Ion Ratio Lower Upper
43 100
58 48.3 25.2 75.6



#62
4-Bromofluorobenzene
Concen: 39.59 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049634.D
Acq: 29 Jun 2018 16:32

Tgt Ion: 95 Resp: 988216
Ion Ratio Lower Upper
95 100
174 91.7 0.0 165.6
176 87.1 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

Instrument :

MSVOA_N

ClientSampled :

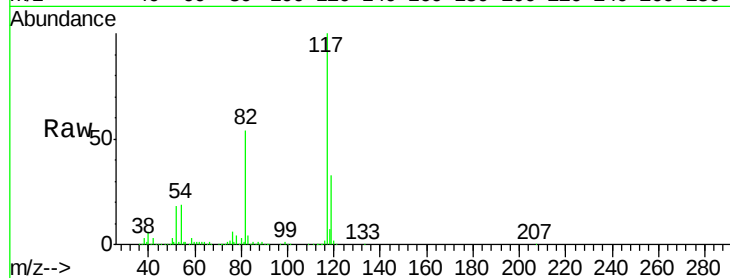
Tot Ion:117 Resp: 2095441

Ion Ratio Lower Upper

117 100

82 53.9 45.9 68.9

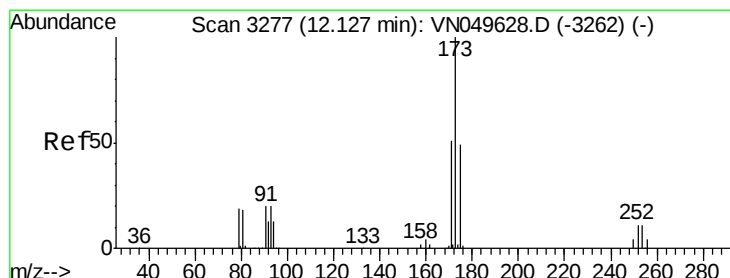
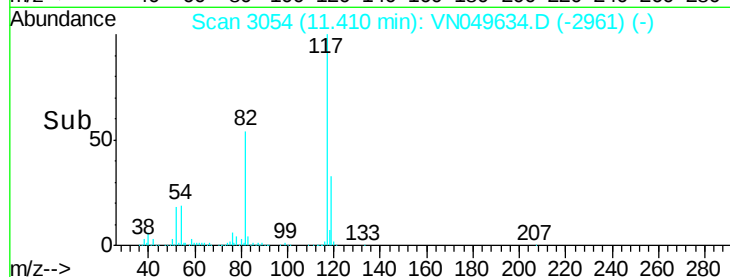
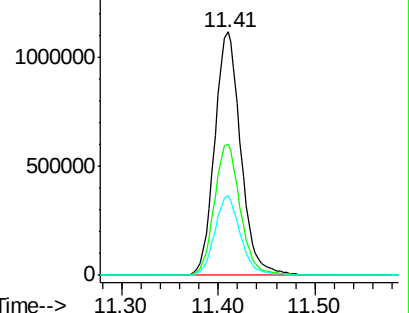
119 32.5 25.5 38.3



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: 0.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

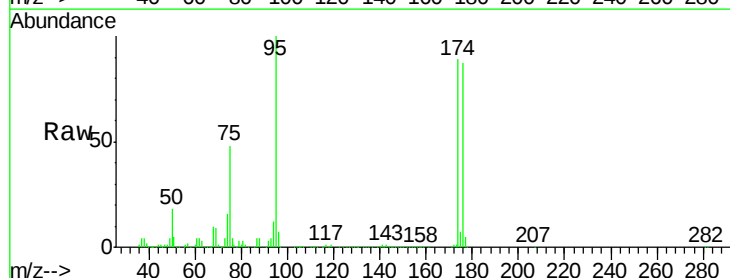
Tgt Ion:173 Resp: 7336

Ion Ratio Lower Upper

173 100

175 734.7 24.5 73.5#

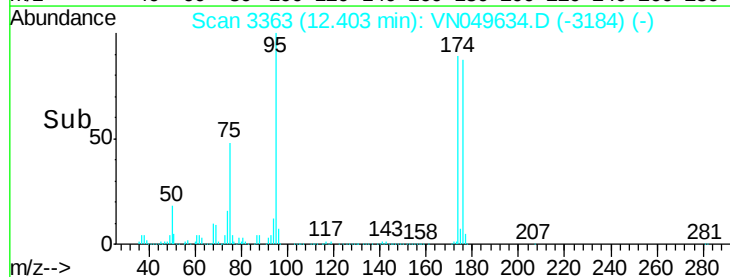
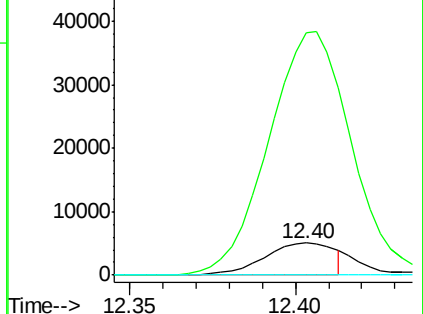
254 0.0 0.1 0.1#

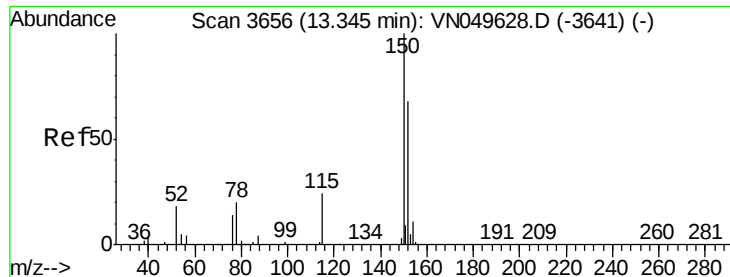


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN049634.D

Acq: 29 Jun 2018 16:32

Instrument :

MSVOA_N

ClientSampled :

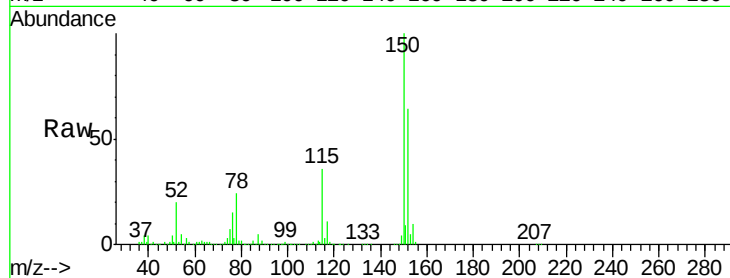
Tot Ion:152 Resp: 823814

Ion Ratio Lower Upper

152 100

115 56.0 28.7 86.1

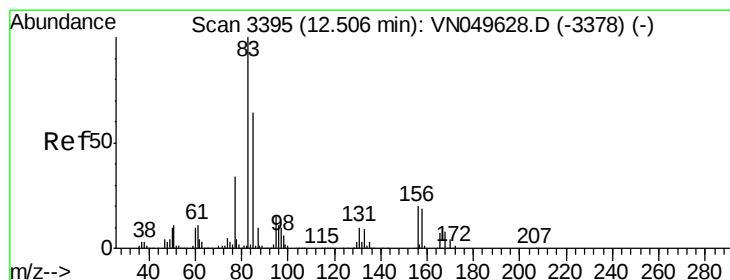
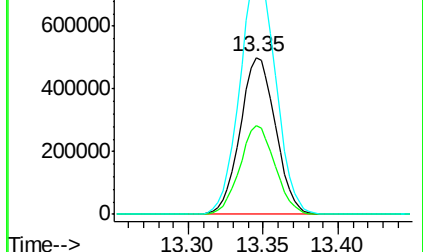
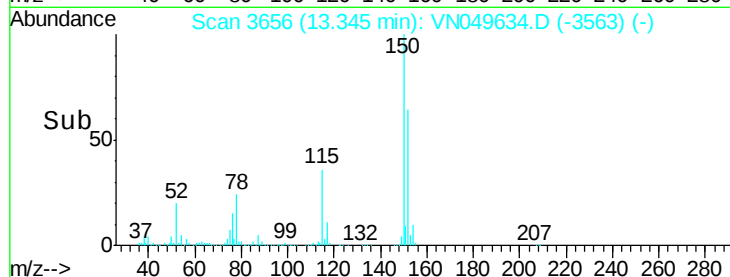
150 156.3 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

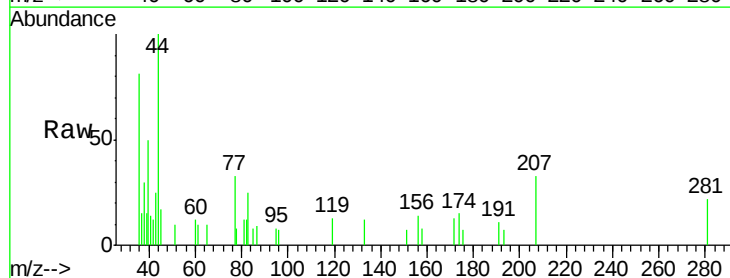
Tgt Ion: 83 Resp: 739

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

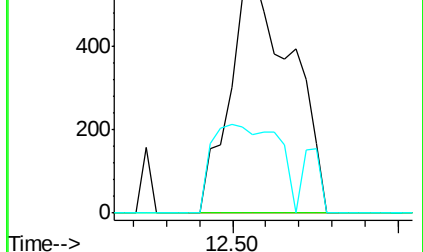
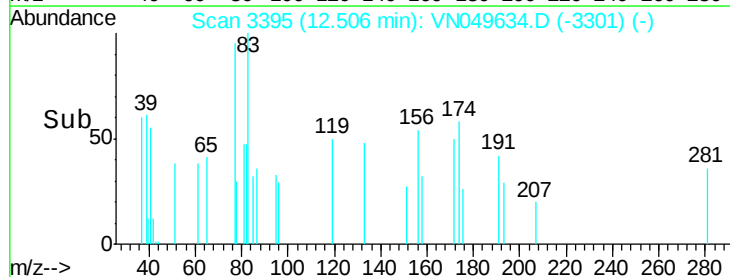
85 39.9 32.0 96.0

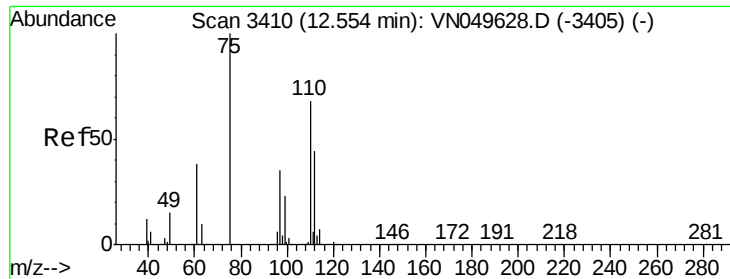


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

Instrument :

MSVOA_N

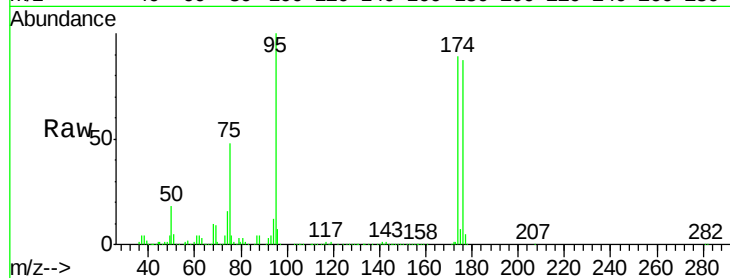
ClientSampleId :

Tot Ion: 75 Resp: 478218

Ion Ratio Lower Upper

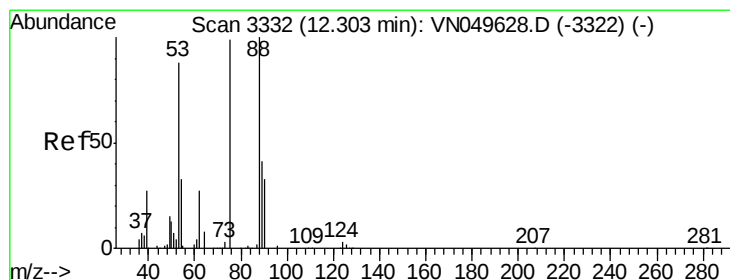
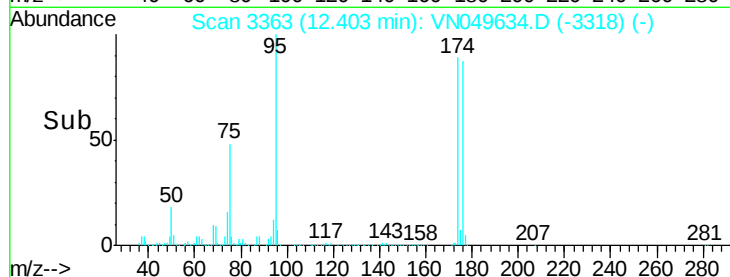
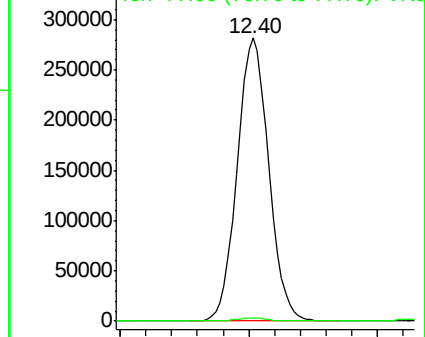
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC



#81

trans-1,4-Dichloro-2-butene

Concen: 122.93 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

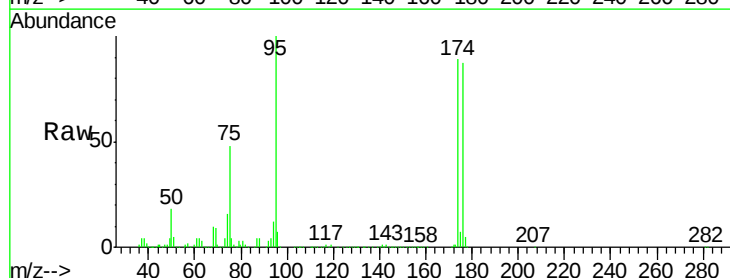
Tgt Ion: 75 Resp: 478218

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

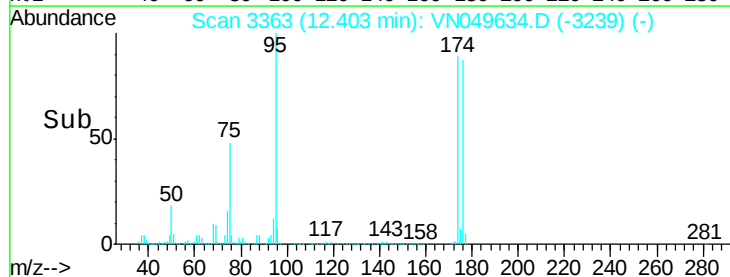
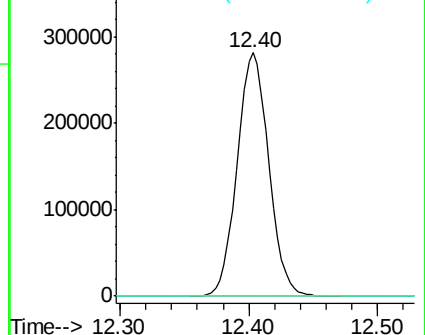
89 0.0 36.5 54.7#

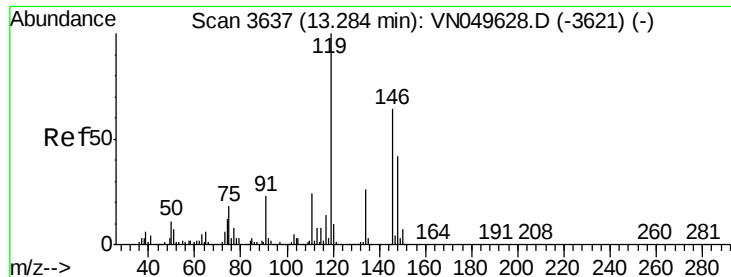


Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 53.00 (52.70 to 53.70): VNC

Ion 88.90 (88.60 to 89.60): VNC

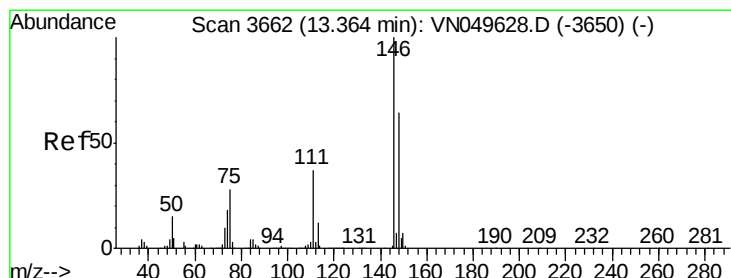
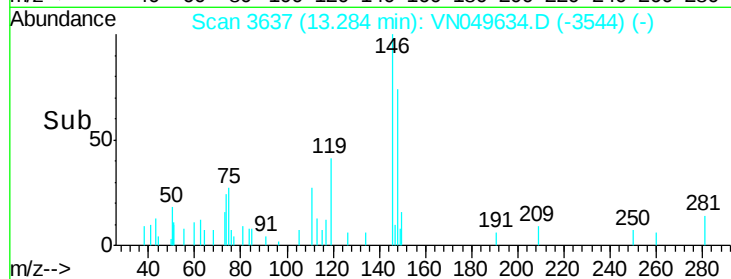
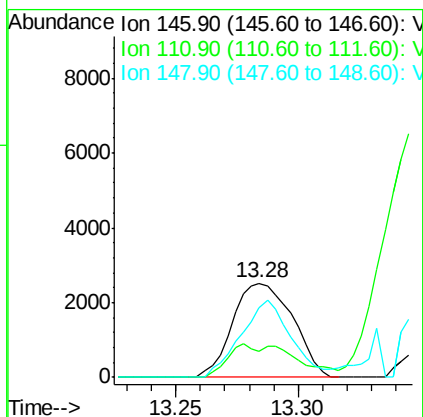
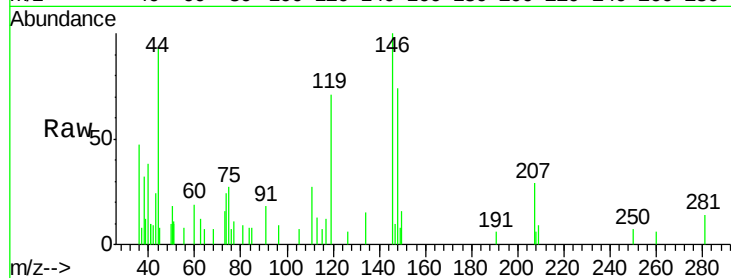




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049634.D
 Acq: 29 Jun 2018 16:32

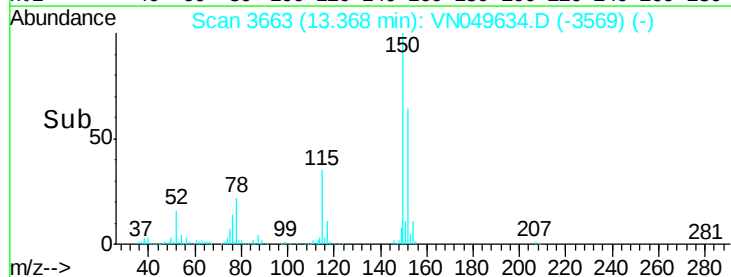
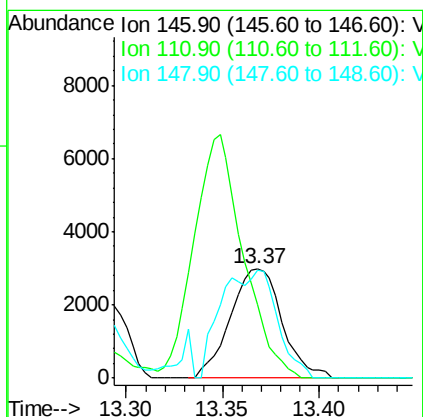
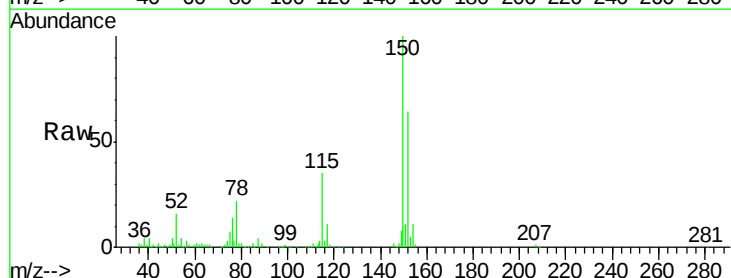
Instrument :
 MSVOA_N
 ClientSampled :

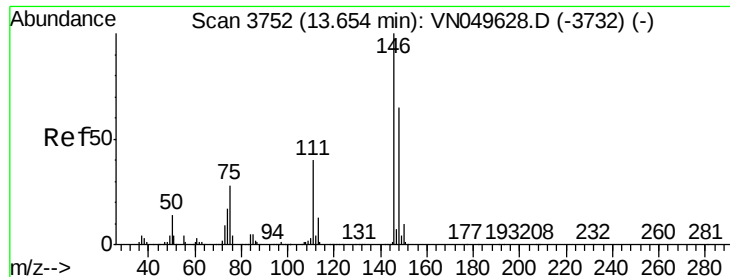
Tot Ion:146 Resp: 4295
 Ion Ratio Lower Upper
 146 100
 111 18.6 19.9 59.6#
 148 69.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049634.D
 Acq: 29 Jun 2018 16:32

Tgt Ion:146 Resp: 5557
 Ion Ratio Lower Upper
 146 100
 111 212.2 19.1 57.1#
 148 52.6 32.0 96.2





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049634.D

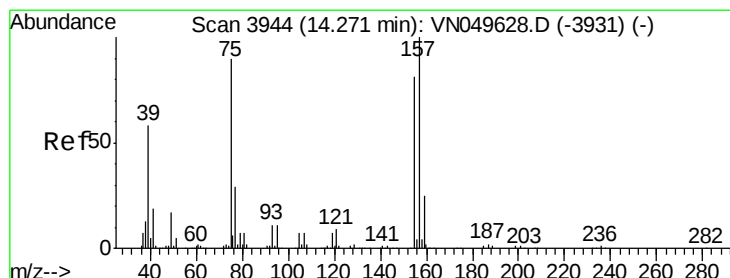
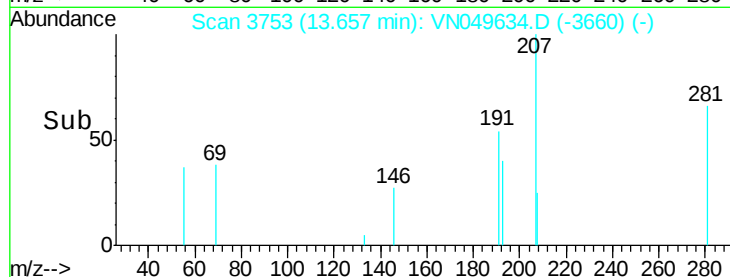
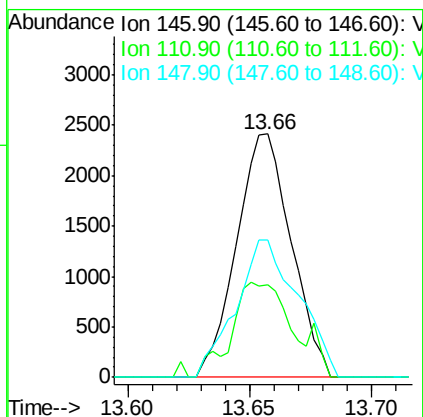
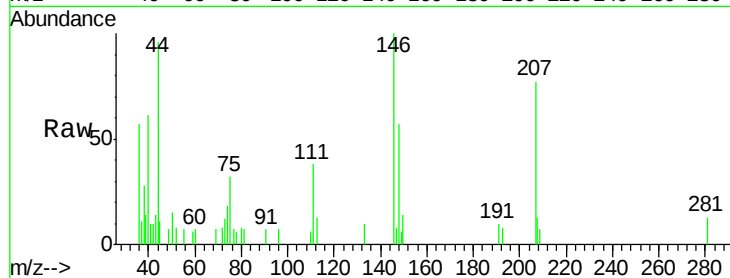
Acq: 29 Jun 2018 16:32

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	3750
Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.8	62.2
148	64.5	32.0	96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

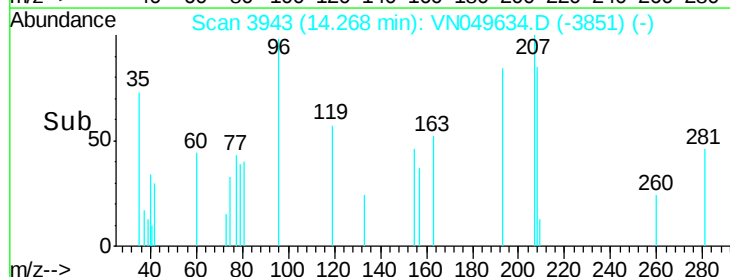
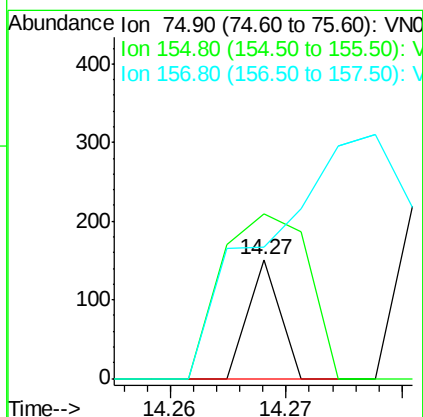
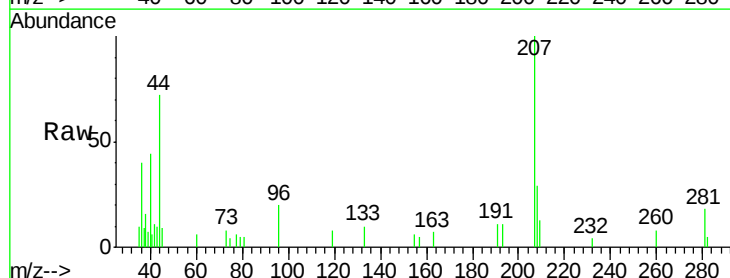
RT: 14.27 min Scan# 3943

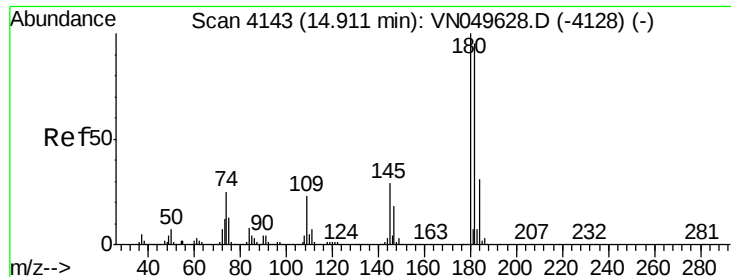
Delta R.T. -0.00 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

Tgt Ion:	75	Resp:	29
Ion	Ratio	Lower	Upper
75	100		
155	375.9	38.8	116.3#
157	0.0	51.0	153.1#

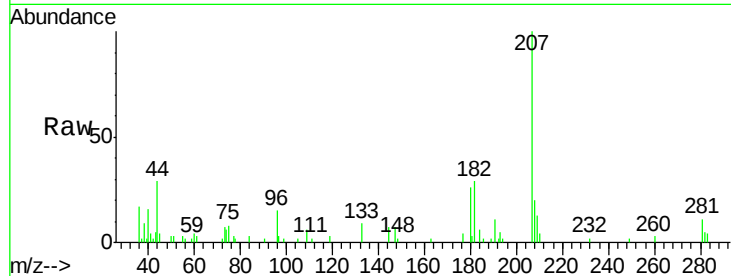




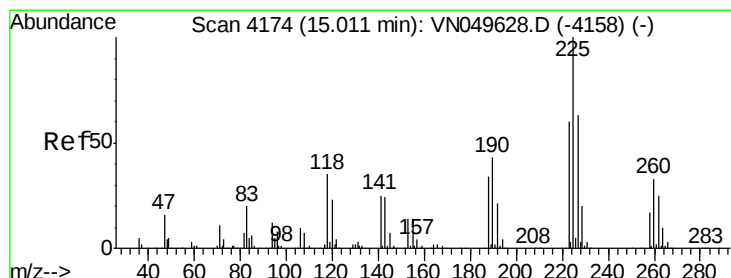
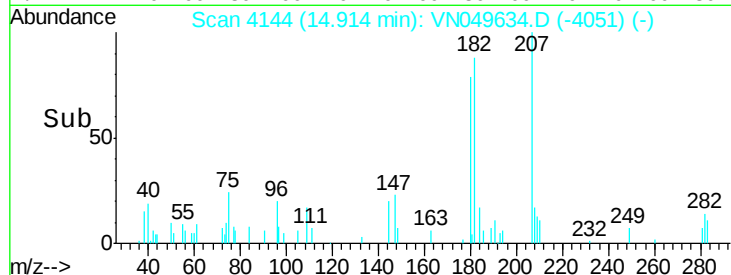
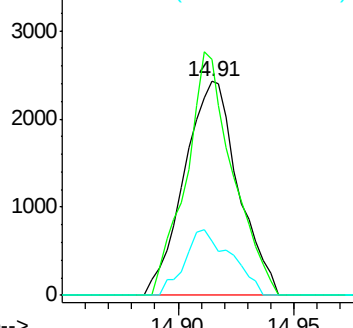
#93
 1,2,4-Trichlorobenzene
 Concen: 2.65 ua/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049634.D
 Acq: 29 Jun 2018 16:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 3922
 Ion Ratio Lower Upper
 180 100
 182 98.4 46.9 140.8
 145 26.4 14.7 44.1

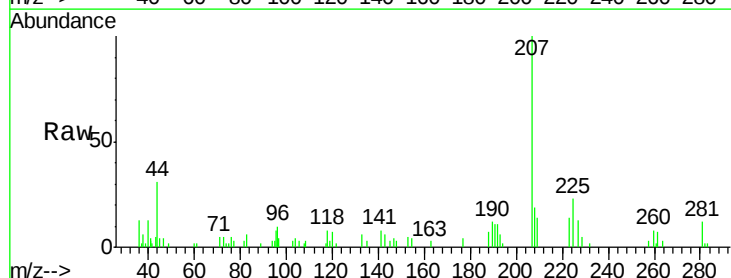


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

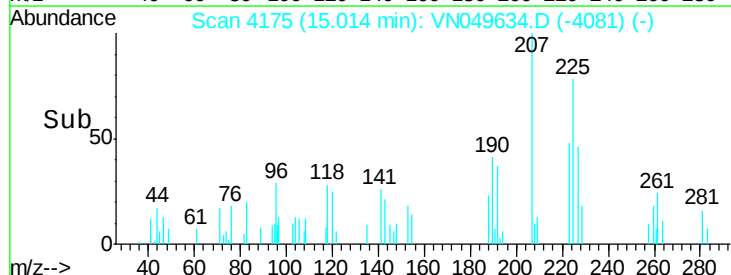
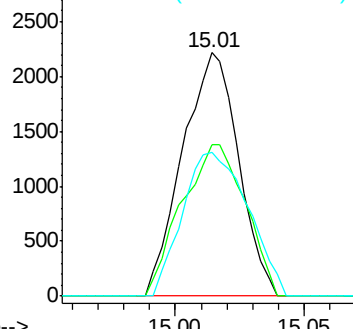


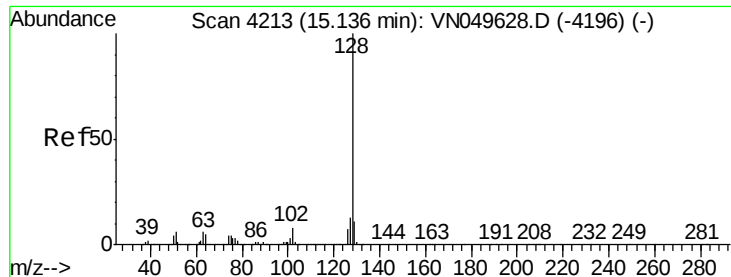
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049634.D
 Acq: 29 Jun 2018 16:32

Tgt Ion:225 Resp: 3347
 Ion Ratio Lower Upper
 225 100
 223 70.6 32.1 96.3
 227 69.3 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.94 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049634.D

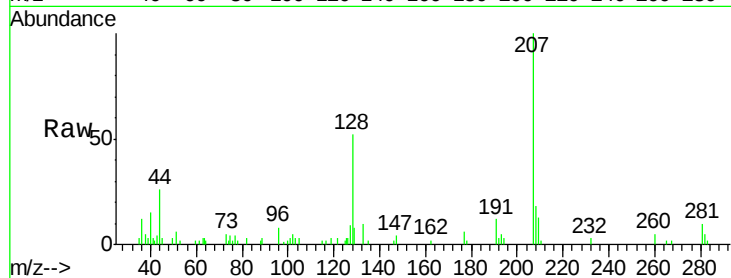
Acq: 29 Jun 2018 16:32

Instrument :

MSVOA_N

ClientSampled :

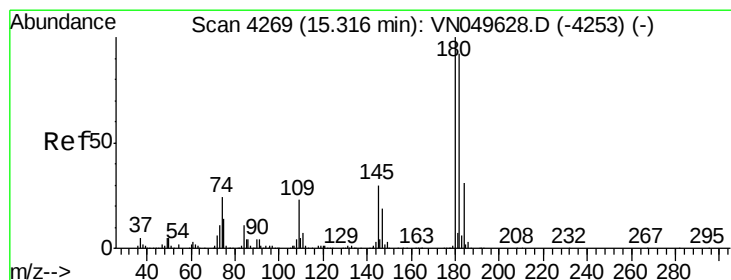
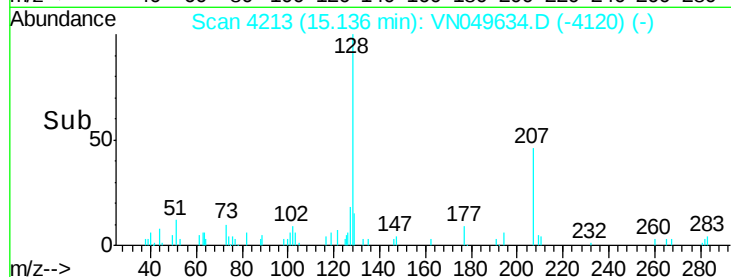
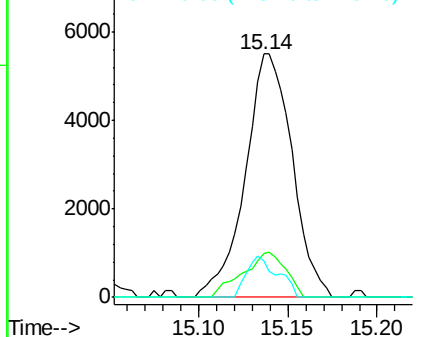
Tot Ion:128	Resp:	10104
Ion Ratio	Lower	Upper
128	100	
127	16.8	10.6 16.0#
129	11.1	8.5 12.7



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: 1.96 ug/l

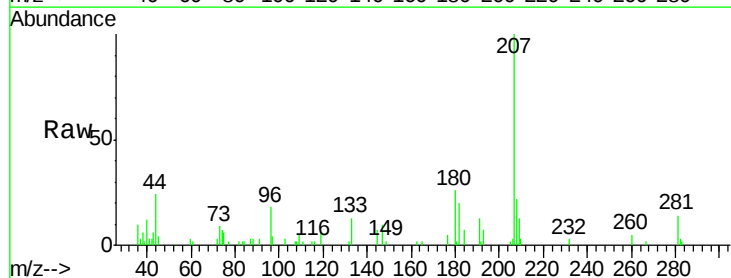
RT: 15.32 min Scan# 4271

Delta R.T. 0.00 min

Lab File: VN049634.D

Acq: 29 Jun 2018 16:32

Tgt Ion:180	Resp:	4672
Ion Ratio	Lower	Upper
180	100	
182	86.0	47.3 141.8
145	14.3	15.6 46.7#



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

