

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049322.D
 Acq On : 16 Jun 2018 20:46
 Operator : MD\SY
 Sample : J3562-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:22:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1626615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2563523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2176517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	717154	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	1049935	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	7.59	113	962500	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	10.09	98	3617295	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
62) 4-Bromofluorobenzene	12.40	95	1016834	38.94	ug/l	0.00
Spiked Amount			Recovery	=	77.88%	

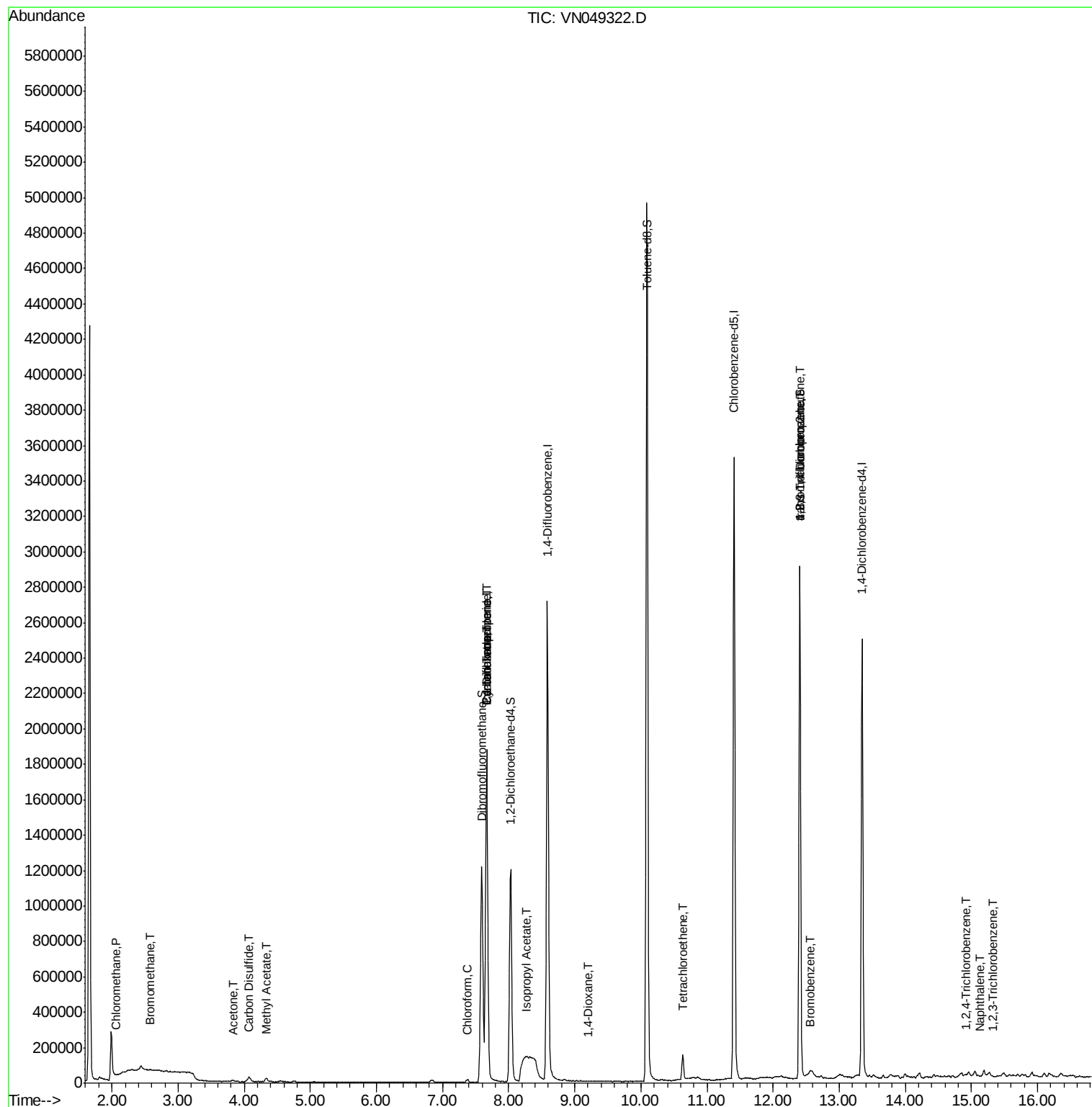
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	5444	0.23	ug/l	92
5) Bromomethane	2.58	94	3240	0.24	ug/l	92
16) Acetone	3.82	43	13225	2.52	ug/l	94
17) Carbon Disulfide	4.06	76	13246	0.23	ug/l	99
18) Methyl Acetate	4.33	43	37876	2.37	ug/l	93
30) Chloroform	7.38	83	15566	0.42	ug/l #	80
31) Cyclohexane	7.67	56	29192	0.74	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	116101	3.95	ug/l #	50
38) Carbon Tetrachloride	7.67	117	143954	4.73	ug/l #	17
43) Isopropyl Acetate	8.26	43	229058	7.51	ug/l #	64
49) 1,4-Dioxane	9.20	88	65	0.33	ug/l #	1
64) Tetrachloroethene	10.63	164	34825	1.56	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.49	83	145	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	486932	39.79	ug/l #	100
77) Bromobenzene	12.55	156	18918	1.14	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	486932	125.77	ug/l #	9
90) Hexachloroethane	13.89	117	400	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.92	180	147	4.75	ug/l #	1
95) Naphthalene	15.13	128	299	2.09	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.33	180	176	3.47	ug/l #	55

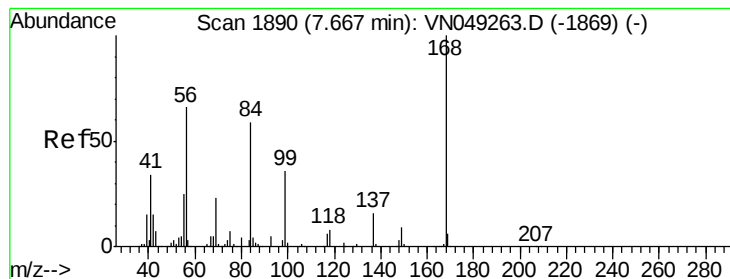
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049322.D
Acq On : 16 Jun 2018 20:46
Operator : MD\SY
Sample : J3562-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 18 03:22:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

Instrument :

MSVOA_N

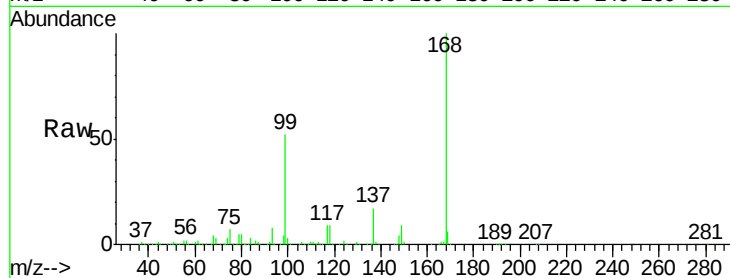
ClientSampleId :

Tot Ion:168 Resp: 1626615

Ion Ratio Lower Upper

168 100

99 51.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

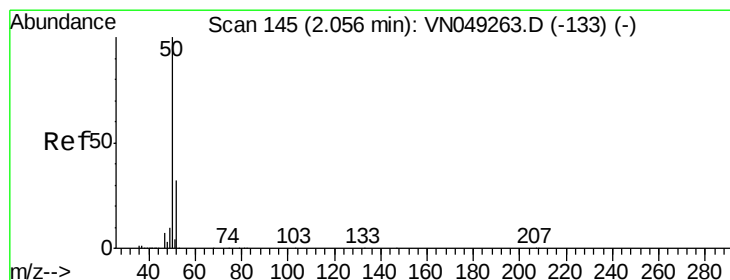
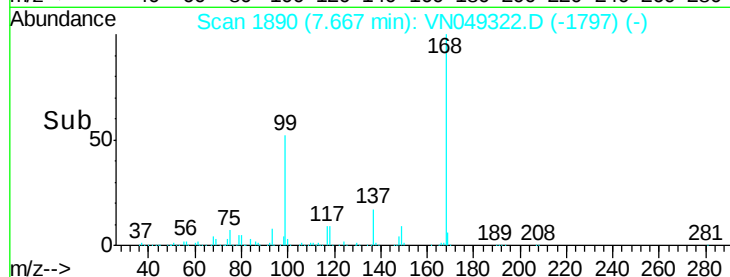
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#3

Chloromethane

Concen: 0.23 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049322.D

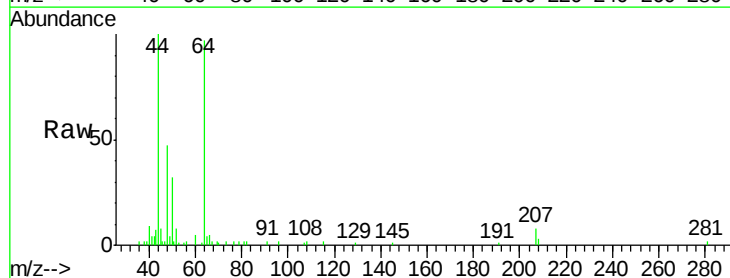
Acq: 16 Jun 2018 20:46

Tgt Ion: 50 Resp: 5444

Ion Ratio Lower Upper

50 100

52 26.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

4000

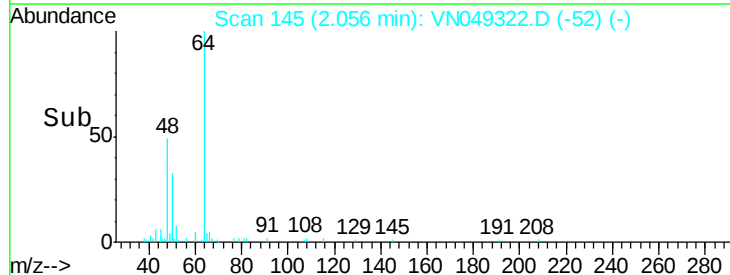
3000

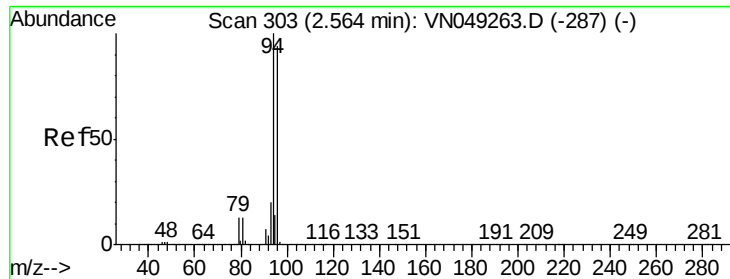
2000

1000

0

Time--> 2.05 2.10





#5

Bromomethane

Concen: 0.24 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

Instrument :

MSVOA_N

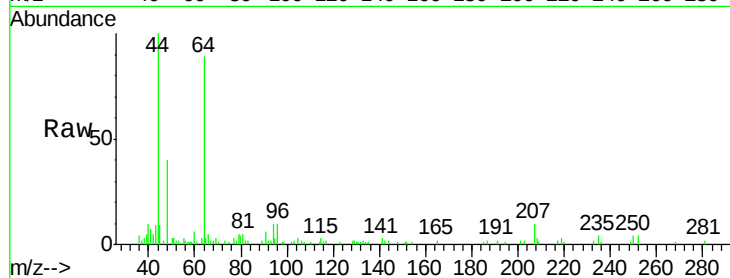
ClientSampleId :

Tot Ion: 94 Resp: 3240

Ion Ratio Lower Upper

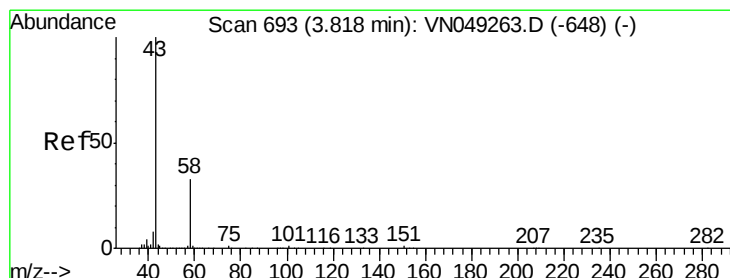
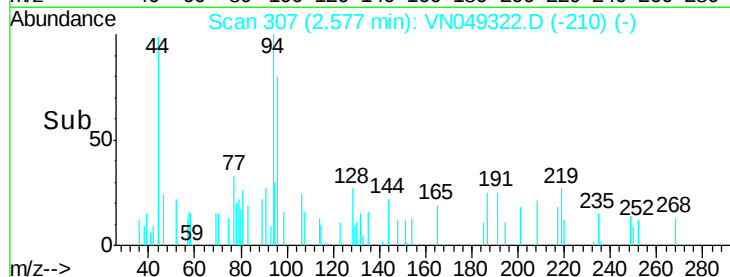
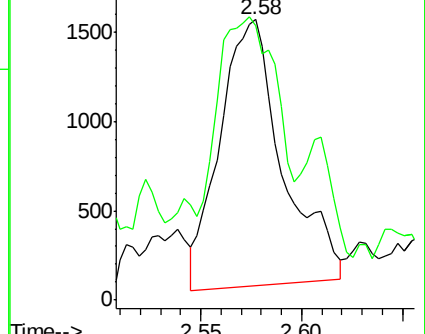
94 100

96 83.7 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 2.52 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN049322.D

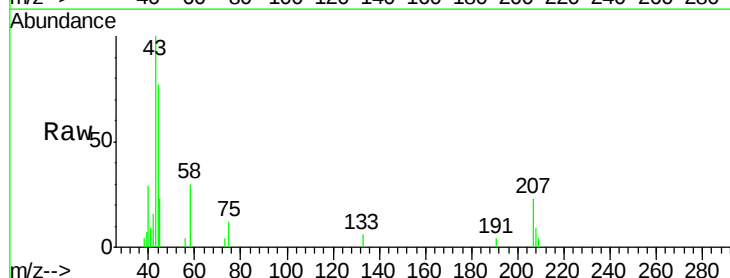
Acq: 16 Jun 2018 20:46

Tgt Ion: 43 Resp: 13225

Ion Ratio Lower Upper

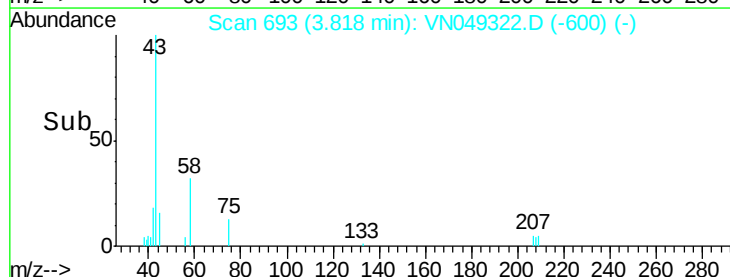
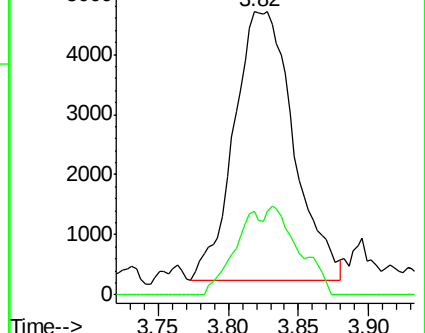
43 100

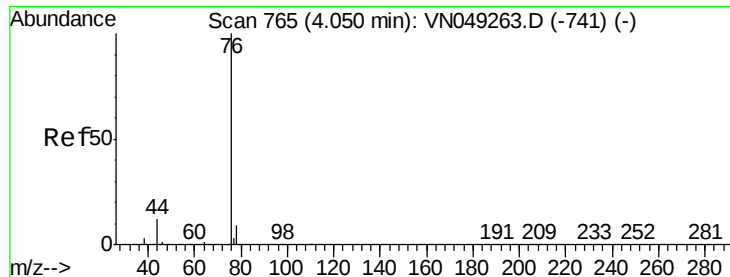
58 31.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

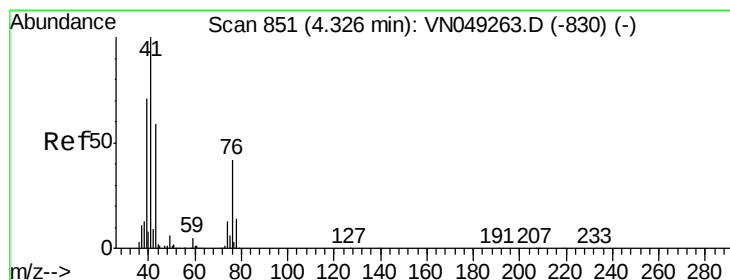
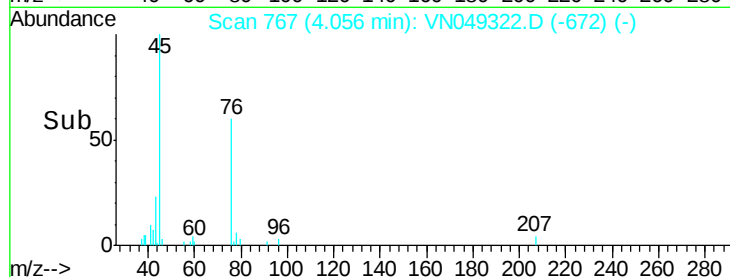
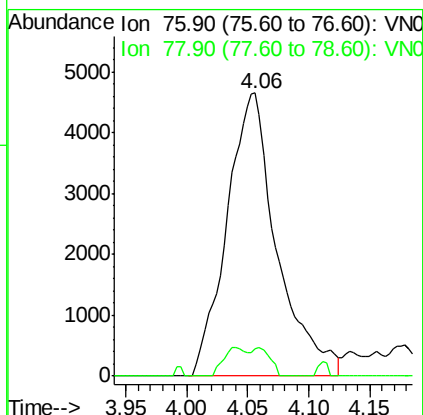
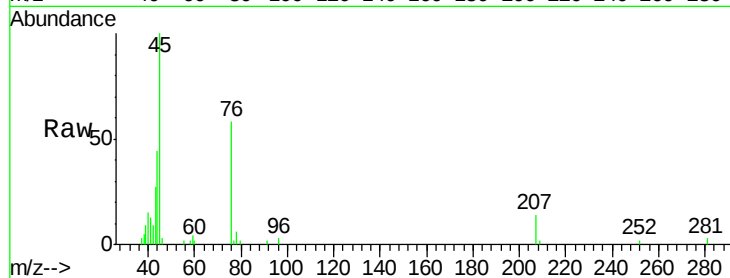




#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 4.06 min Scan# 767
Delta R.T. 0.01 min
Lab File: VN049322.D
Acq: 16 Jun 2018 20:46

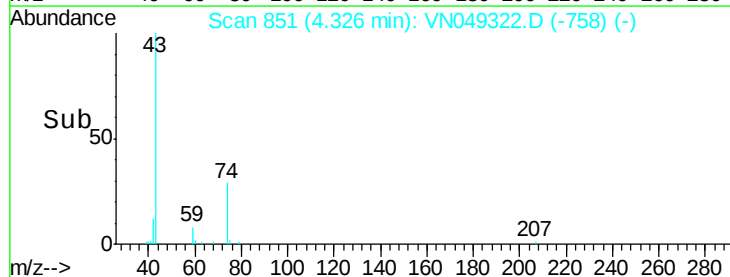
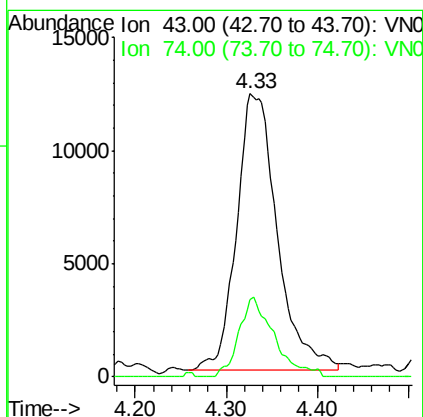
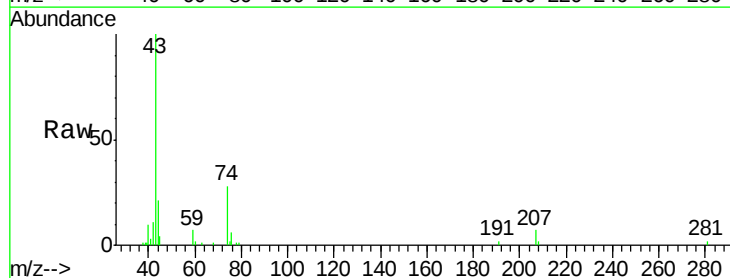
Instrument :
MSVOA_N
ClientSampled :

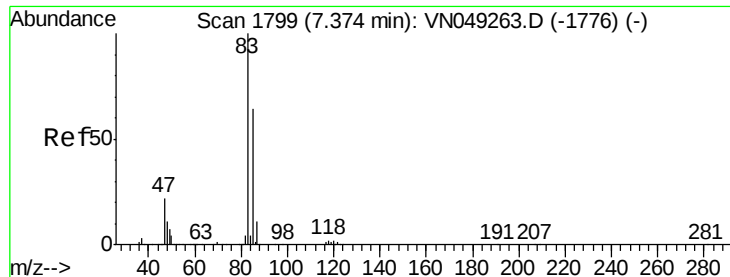
Tot Ion: 76 Resp: 13246
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 2.37 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049322.D
Acq: 16 Jun 2018 20:46

Tgt Ion: 43 Resp: 37876
Ion Ratio Lower Upper
43 100
74 25.1 17.4 26.0

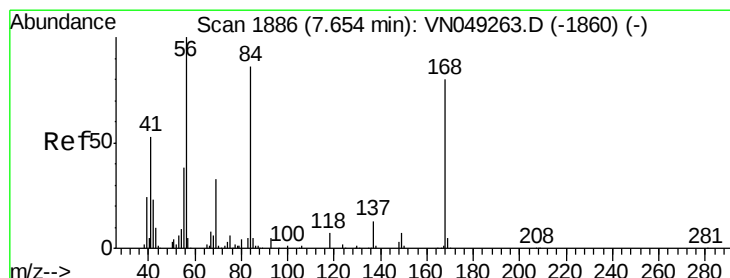
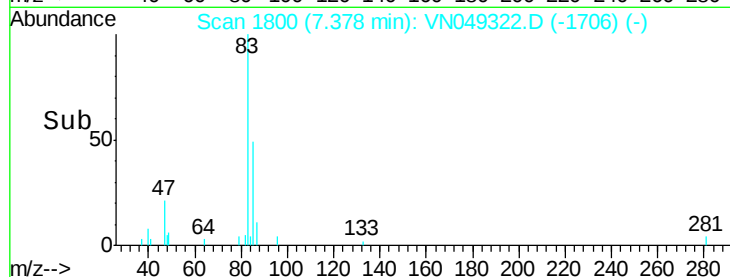
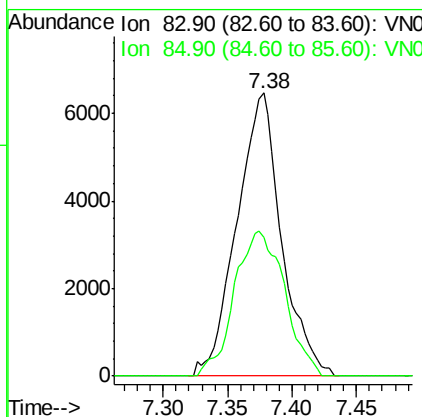
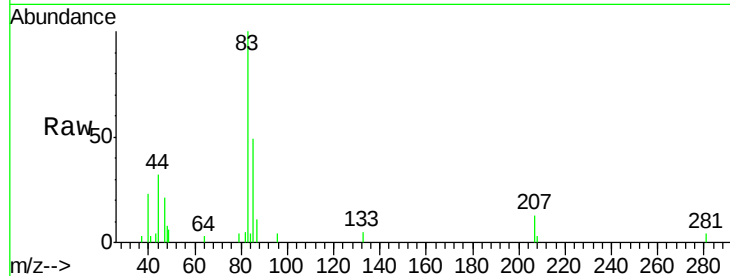




#30
Chloroform
Concen: 0.42 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049322.D
Acq: 16 Jun 2018 20:46

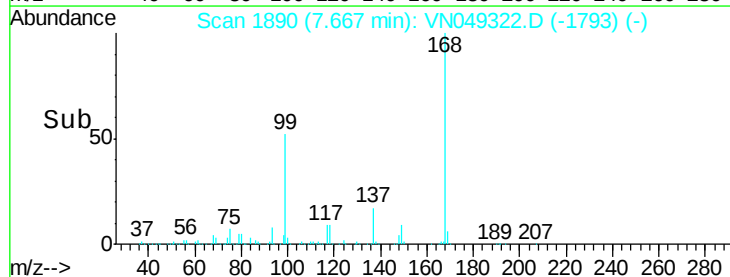
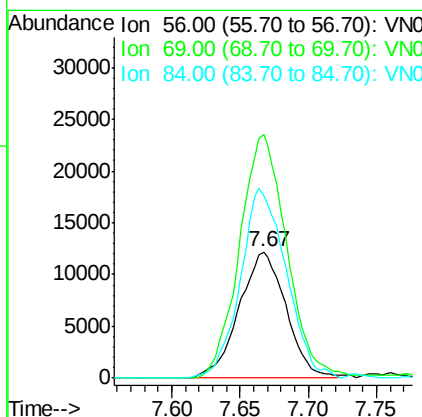
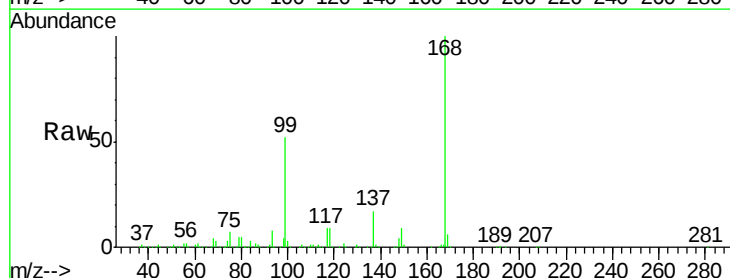
Instrument :
MSVOA_N
ClientSampleId :

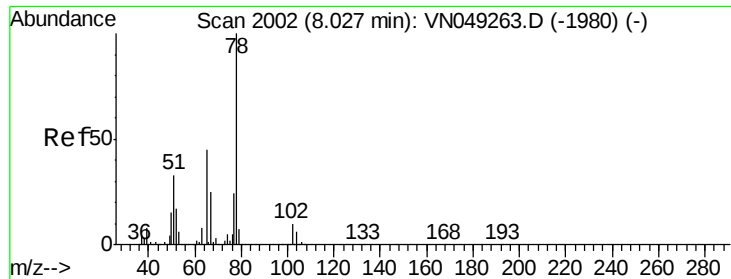
Tot Ion: 83 Resp: 15566
Ion Ratio Lower Upper
83 100
85 48.8 51.7 77.5#



#31
Cyclohexane
Concen: 0.74 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049322.D
Acq: 16 Jun 2018 20:46

Tgt Ion: 56 Resp: 29192
Ion Ratio Lower Upper
56 100
69 192.9 25.0 37.4#
84 144.4 64.6 96.8#

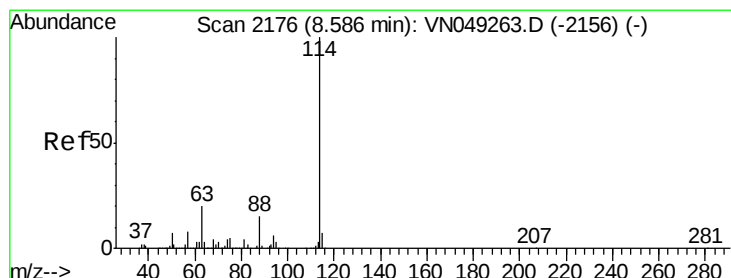
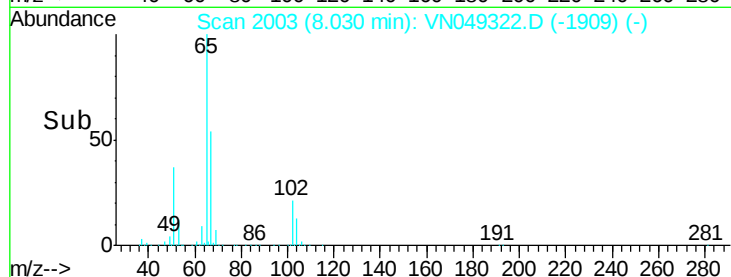
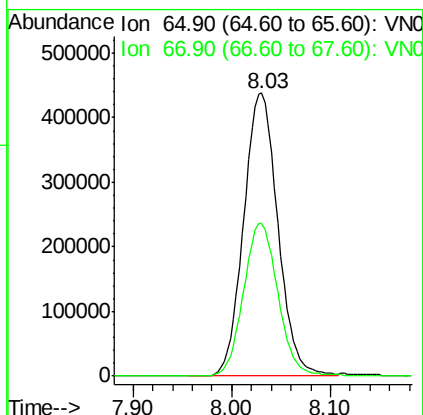
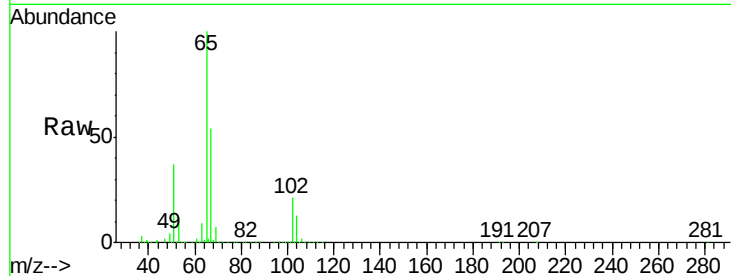




#33
 1,2-Dichloroethane-d4
 Concen: 48.67 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049322.D
 Acq: 16 Jun 2018 20:46

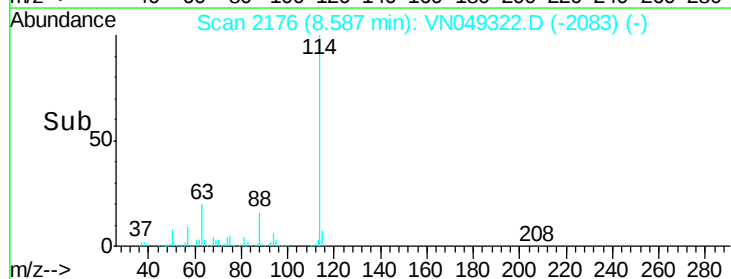
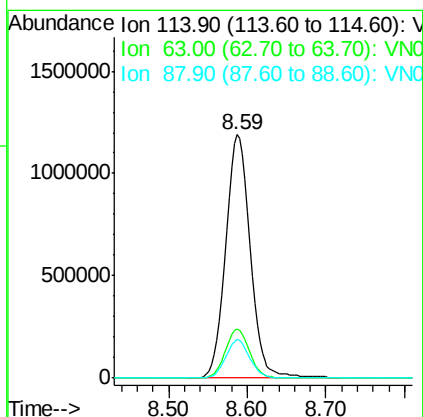
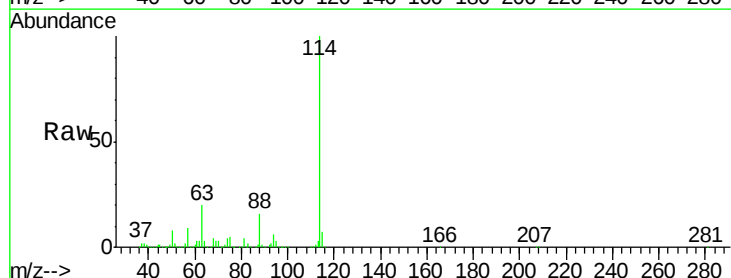
Instrument :
 MSVOA_N
 ClientSampleId :

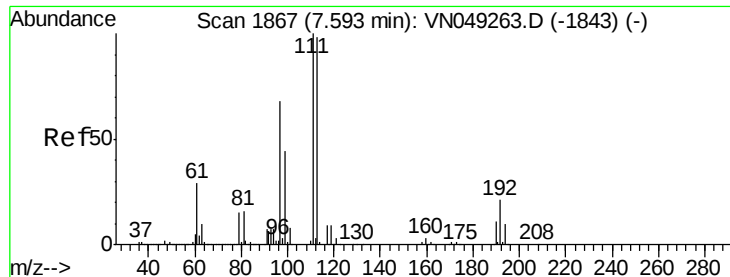
Tot Ion: 65 Resp: 1049935
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049322.D
 Acq: 16 Jun 2018 20:46

Tgt Ion: 114 Resp: 2563523
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 44.4
 88 15.8 0.0 31.4

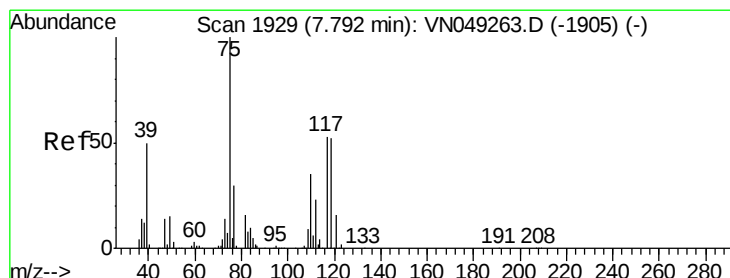
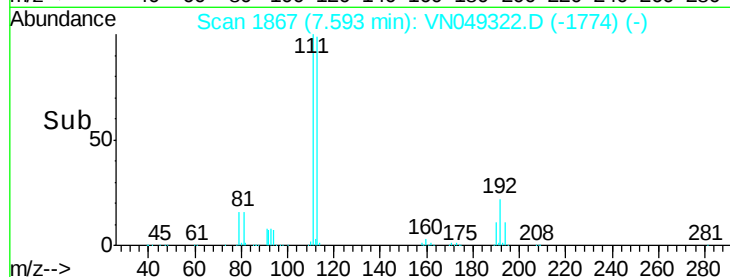
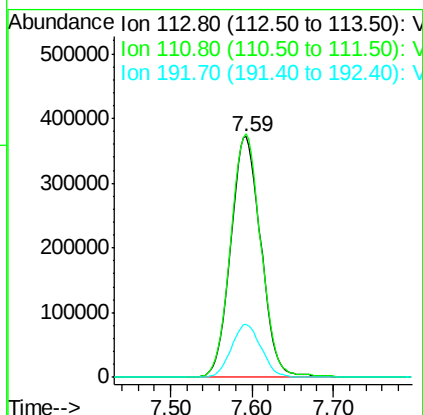
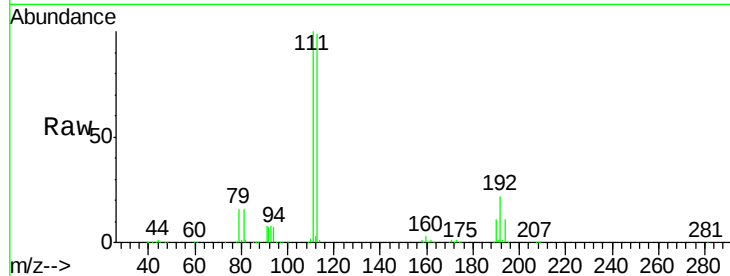




#35
 Dibromofluoromethane
 Concen: 46.41 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049322.D
 Acq: 16 Jun 2018 20:46

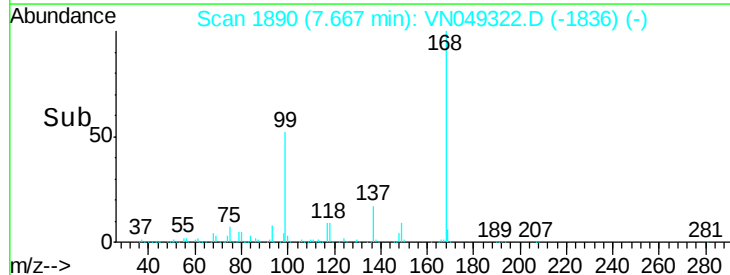
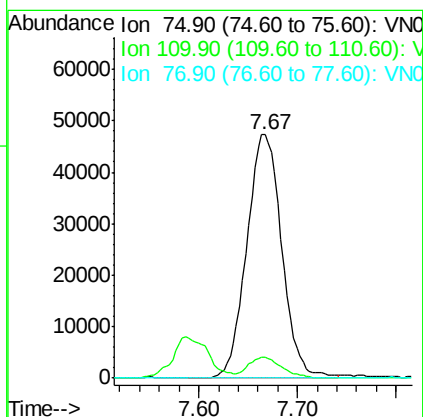
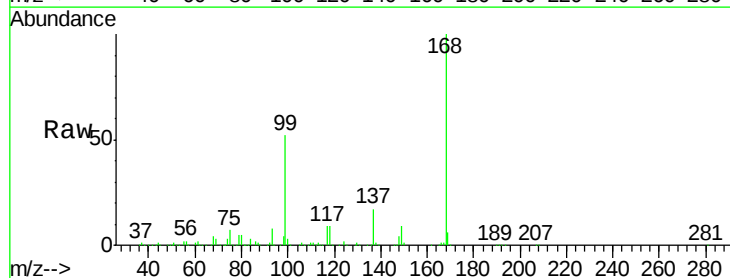
Instrument :
 MSVOA_N
 ClientSampleId :

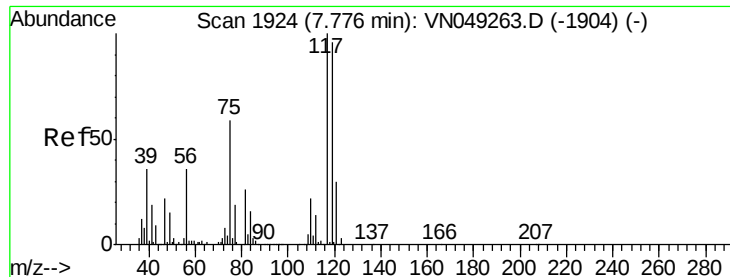
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.4	123.6
192	21.8	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.95 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049322.D
 Acq: 16 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.0	50.9#
77	0.2	24.4	36.6#

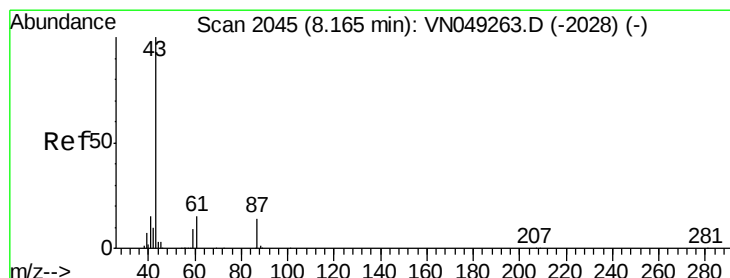
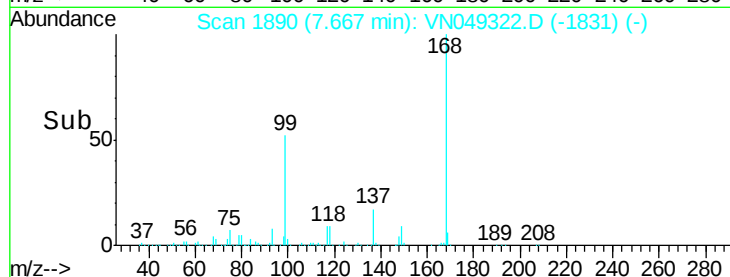
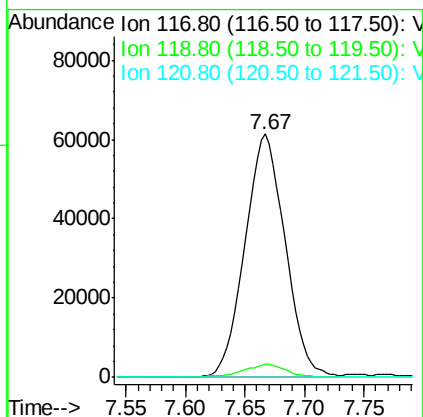
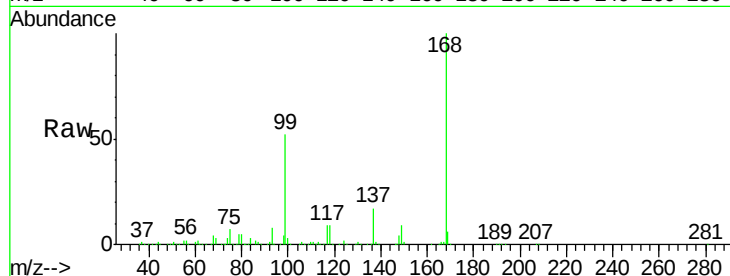




#38
Carbon Tetrachloride
Concen: 4.73 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049322.D
Acq: 16 Jun 2018 20:46

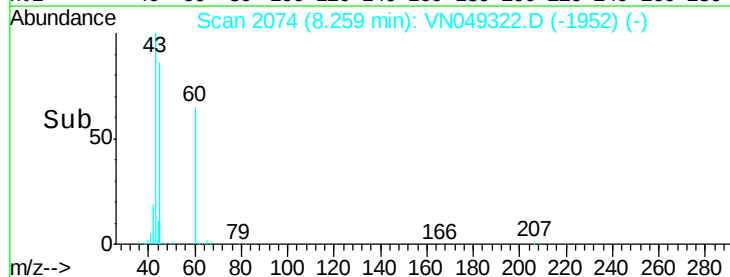
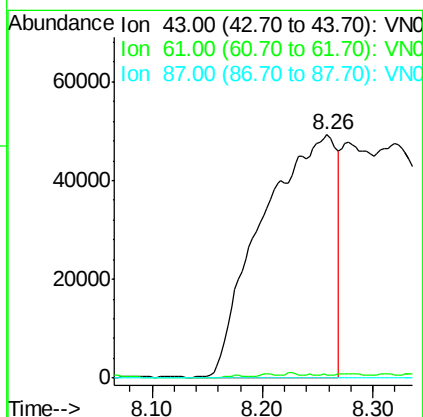
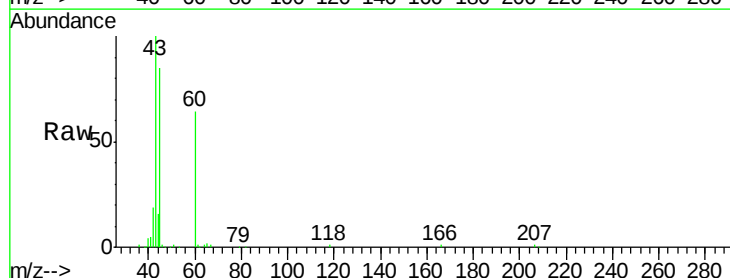
Instrument :
MSVOA_N
ClientSampled :

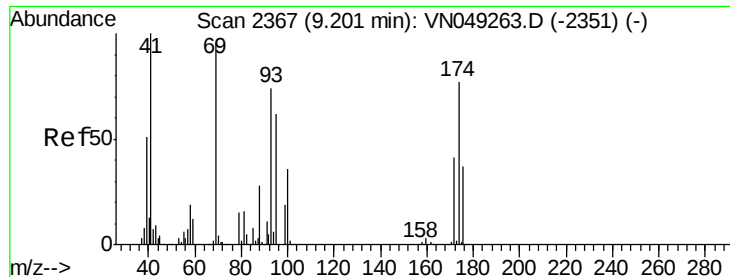
Tot Ion:117 Resp: 143954
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 7.51 ug/l
RT: 8.26 min Scan# 2074
Delta R.T. 0.09 min
Lab File: VN049322.D
Acq: 16 Jun 2018 20:46

Tgt Ion: 43 Resp: 229058
Ion Ratio Lower Upper
43 100
61 0.3 14.2 21.4#
87 0.0 9.4 14.0#

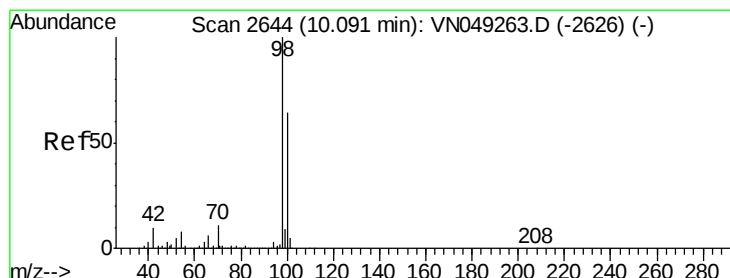
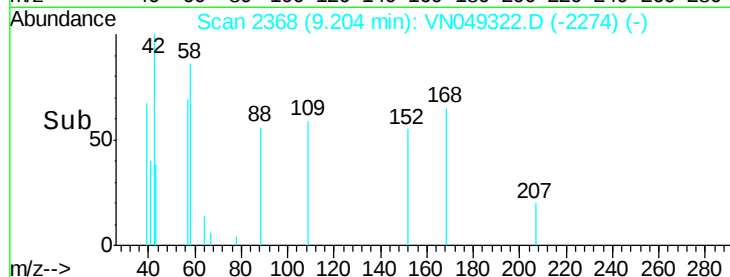
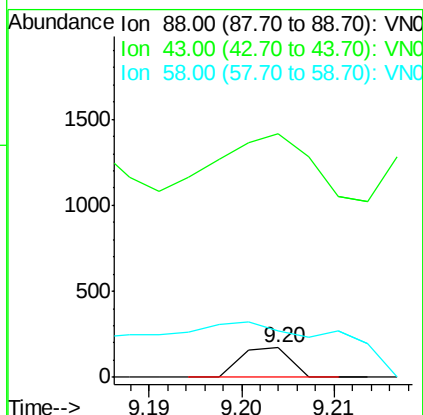
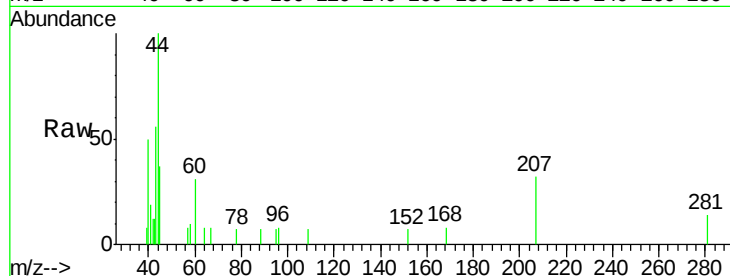




#49
1,4-Dioxane
Concen: 0.33 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049322.D
Acq: 16 Jun 2018 20:46

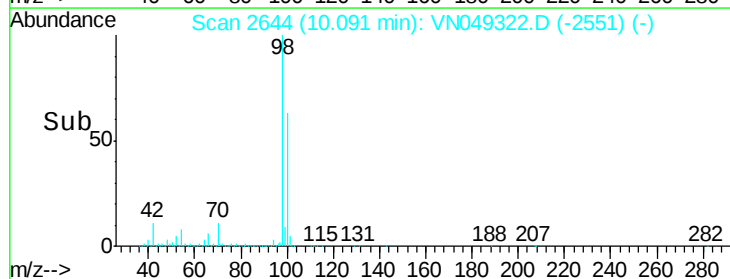
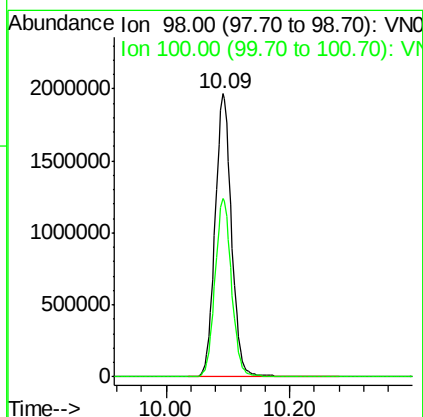
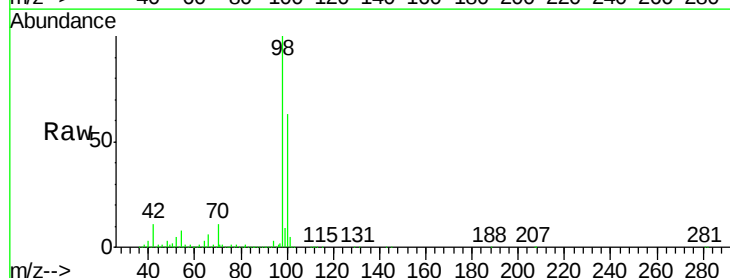
Instrument :
MSVOA_N
ClientSampleId :

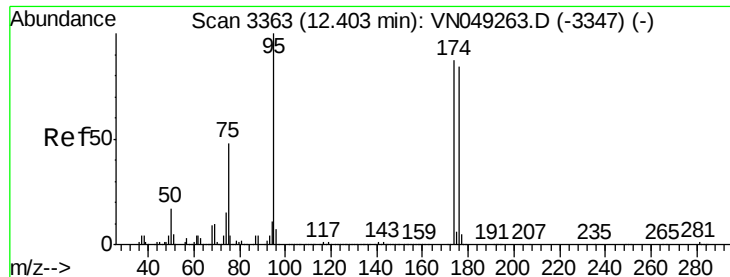
Tot Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 421.5 30.9 46.3#
58 816.9 58.9 88.3#



#50
Toluene-d8
Concen: 45.81 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049322.D
Acq: 16 Jun 2018 20:46

Tgt Ion: 98 Resp: 3617295
Ion Ratio Lower Upper
98 100
100 63.2 49.8 74.8





#62

4-Bromofluorobenzene

Concen: 38.94 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

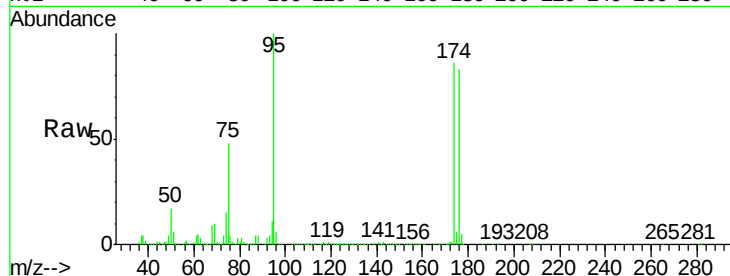
Tot Ion: 95 Resp: 1016834

Ion Ratio Lower Upper

95 100

174 87.2 0.0 165.6

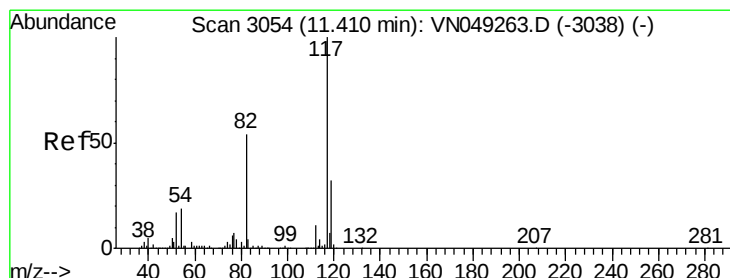
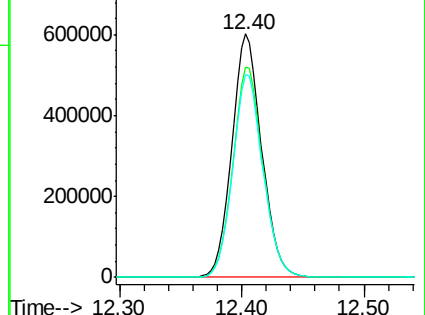
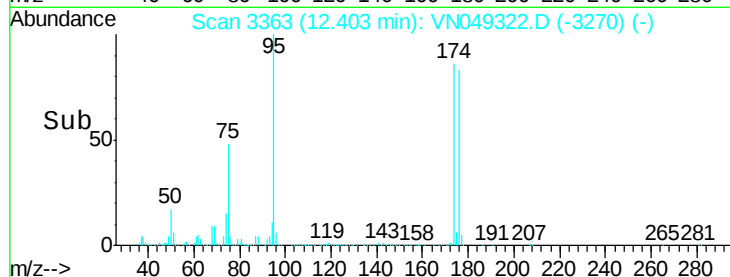
176 84.7 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049322.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049322.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049322.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

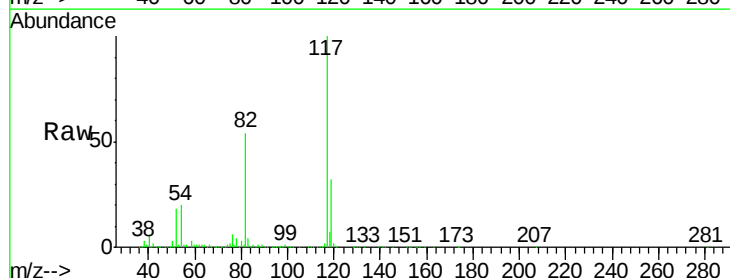
Tgt Ion: 117 Resp: 2176517

Ion Ratio Lower Upper

117 100

82 53.6 45.9 68.9

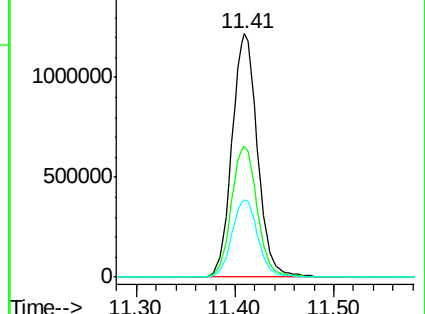
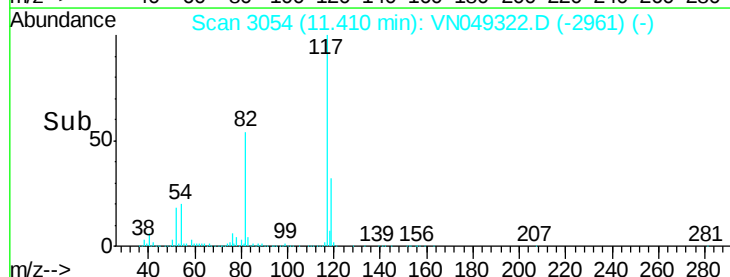
119 31.9 25.5 38.3

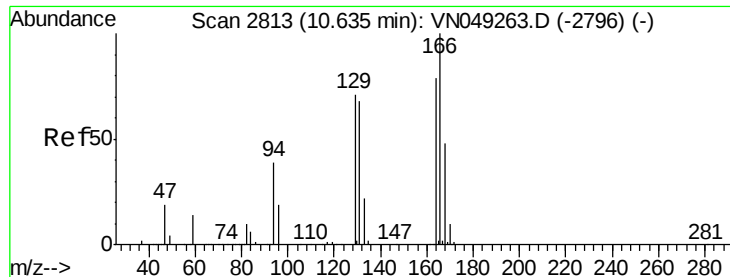


Abundance Ion 116.90 (116.60 to 117.60): VN049322.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049322.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049322.D (-2961) (-)

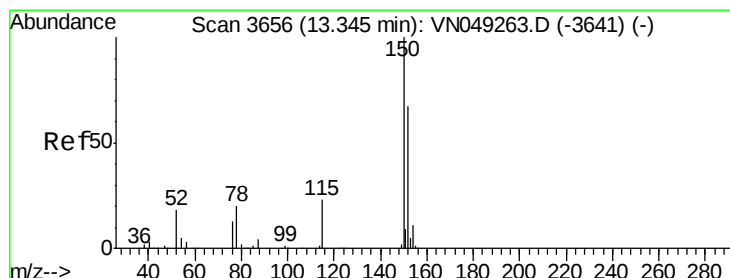
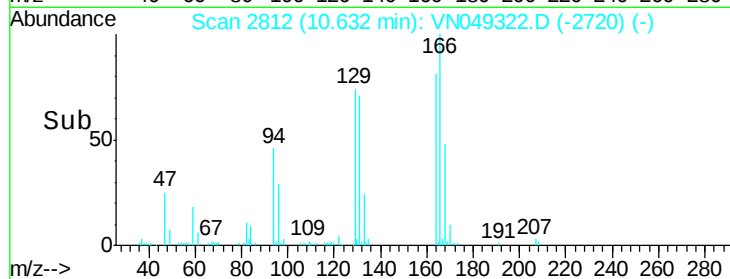
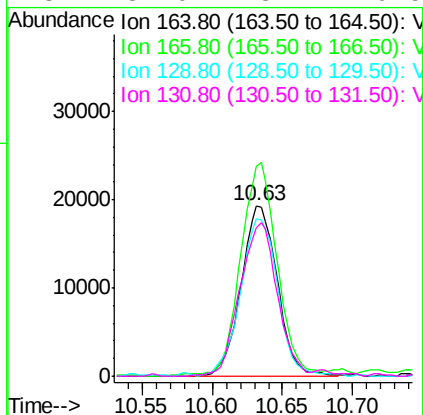
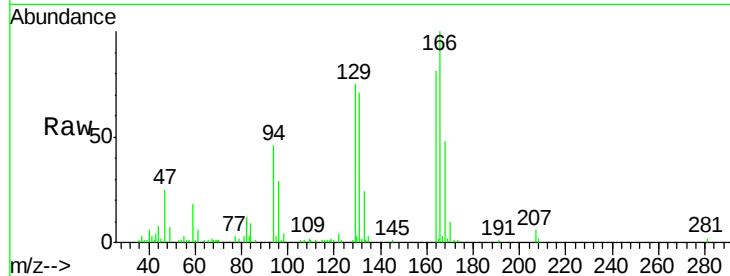




#64
Tetrachloroethene
Concen: 1.56 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049322.D
Acq: 16 Jun 2018 20:46

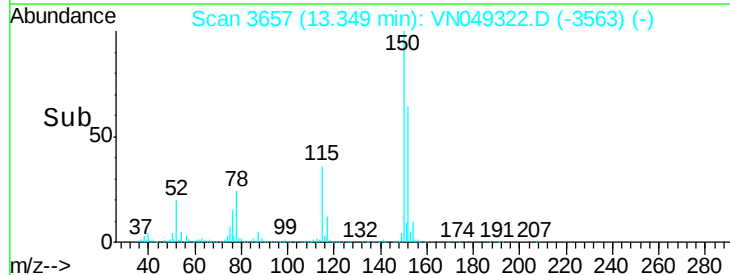
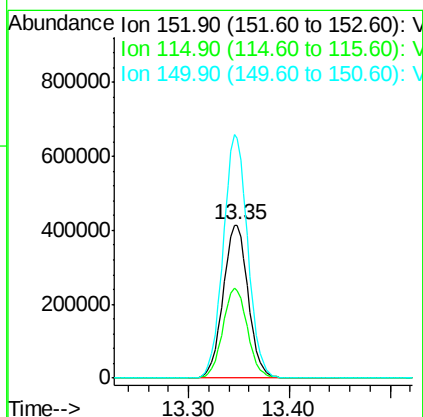
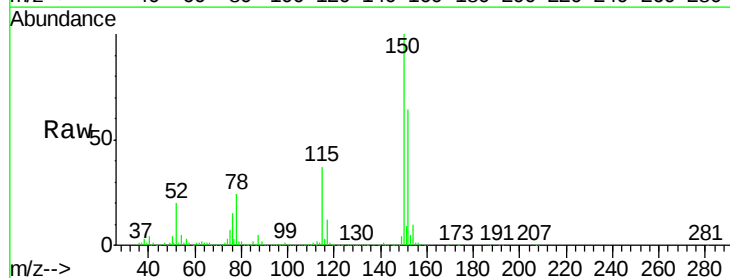
Instrument :
MSVOA_N
ClientSampleId :

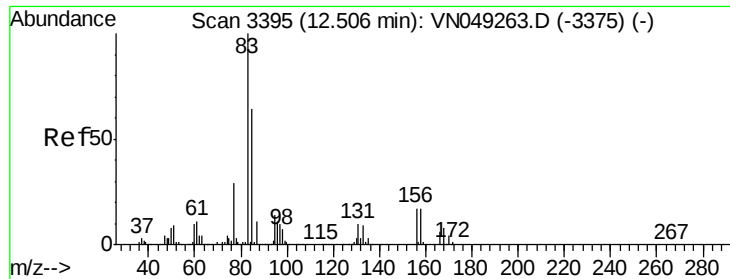
Tot Ion:164 Resp: 34825
Ion Ratio Lower Upper
164 100
166 121.7 101.4 152.2
129 90.6 74.1 111.1
131 87.0 73.7 110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049322.D
Acq: 16 Jun 2018 20:46

Tgt Ion:152 Resp: 717154
Ion Ratio Lower Upper
152 100
115 57.9 28.7 86.1
150 155.8 0.0 351.0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3389

Delta R.T. -0.02 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

Instrument :

MSVOA_N

ClientSampled :

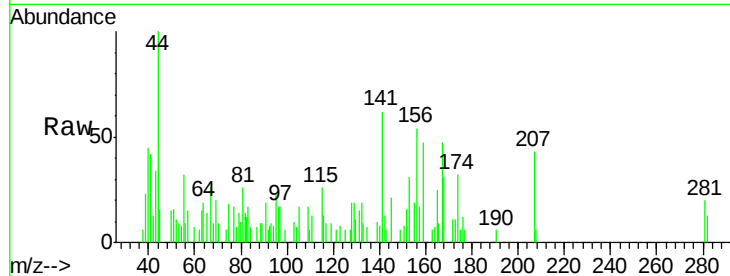
Tot Ion: 83 Resp: 145

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

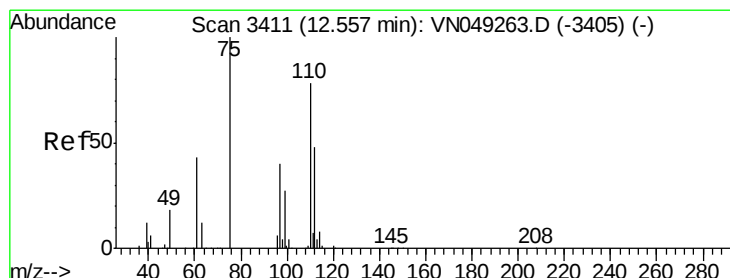
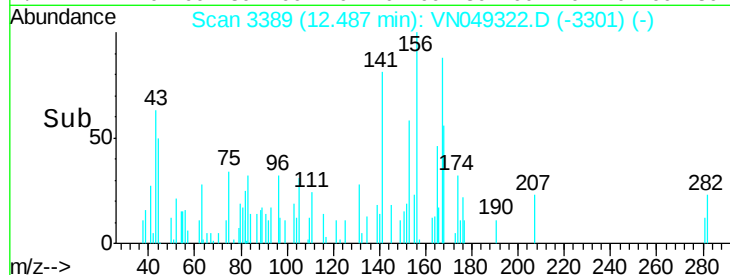
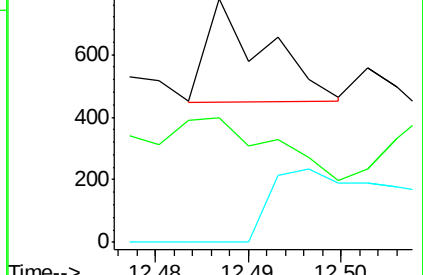
85 155.9 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 39.79 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049322.D

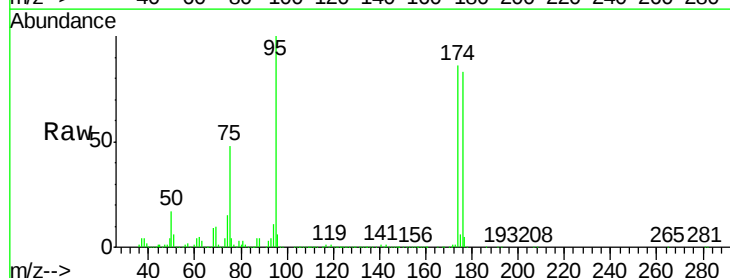
Acq: 16 Jun 2018 20:46

Tgt Ion: 75 Resp: 486932

Ion Ratio Lower Upper

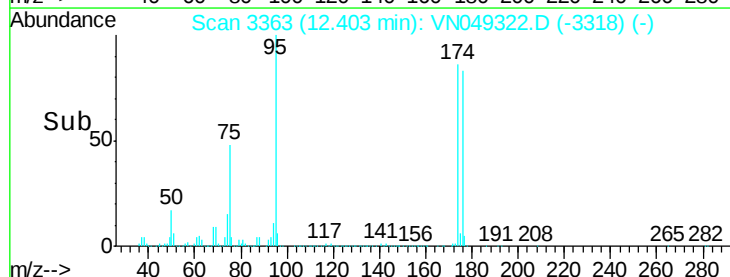
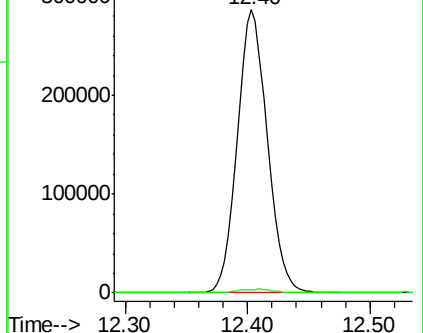
75 100

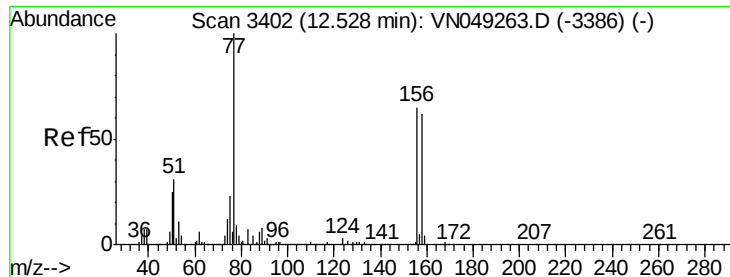
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 1.14 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. 0.02 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

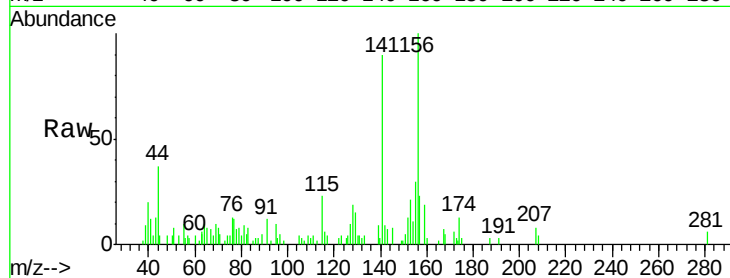
Tot Ion:156 Resp: 18918

Ion Ratio Lower Upper

156 100

77 0.0 100.8 302.4#

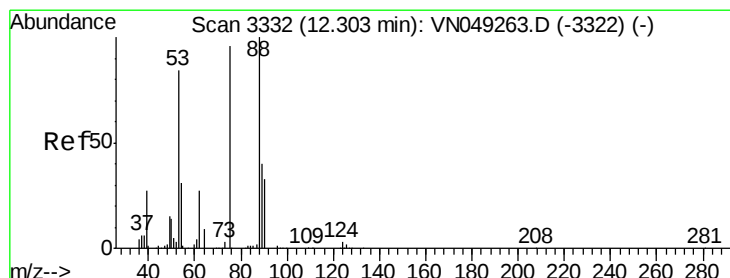
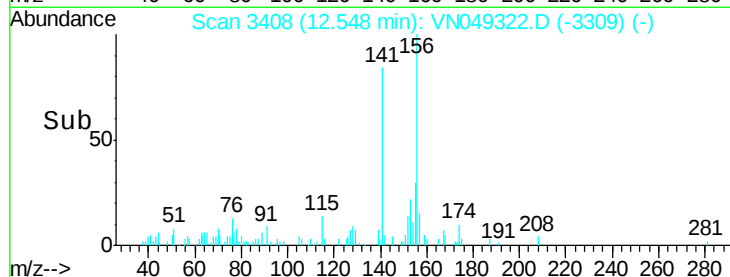
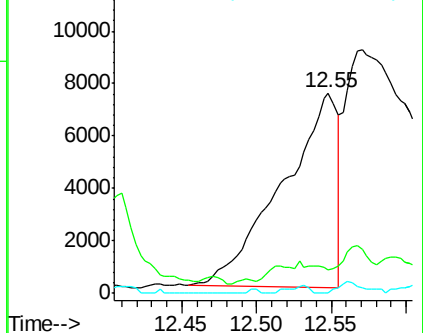
158 1.5 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 125.77 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

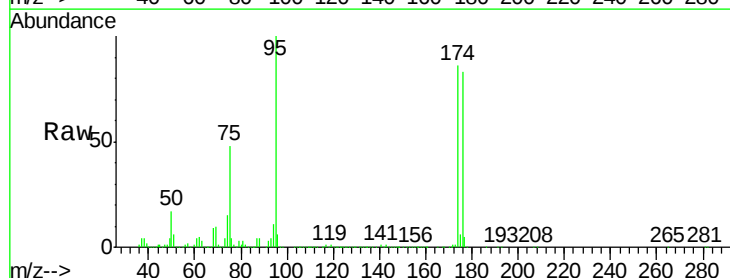
Tgt Ion: 75 Resp: 486932

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

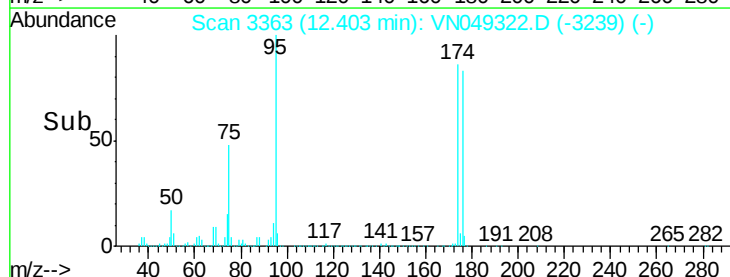
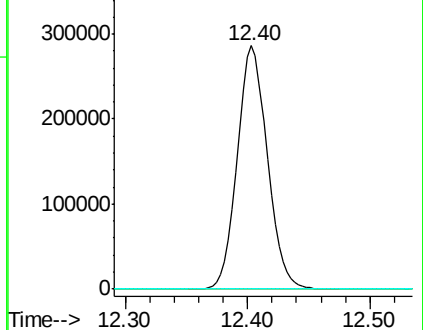
89 0.0 36.5 54.7#

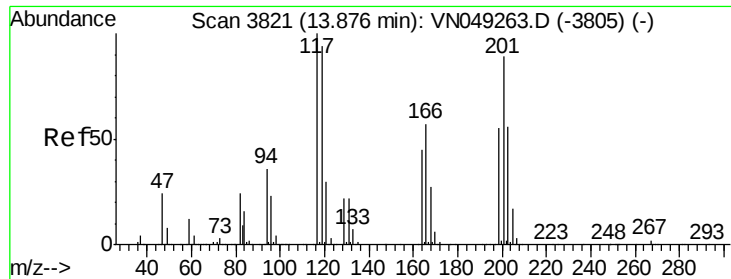


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3824

Delta R.T. 0.01 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

Instrument :

MSVOA_N

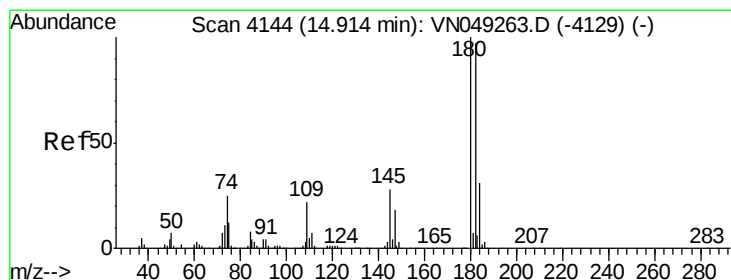
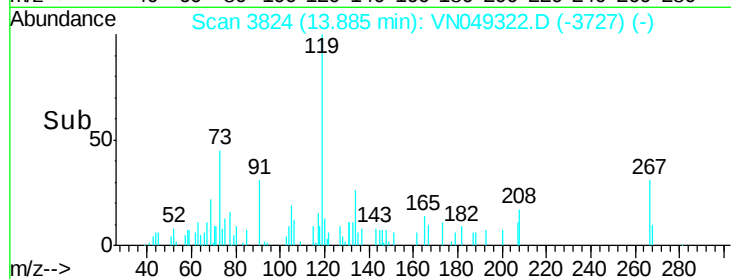
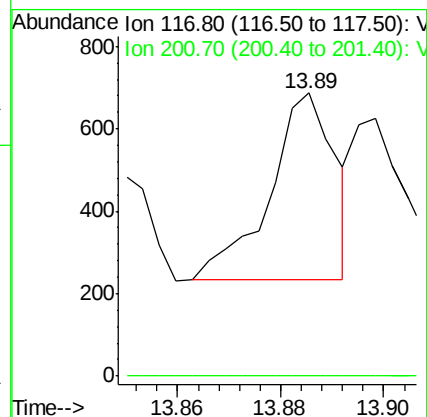
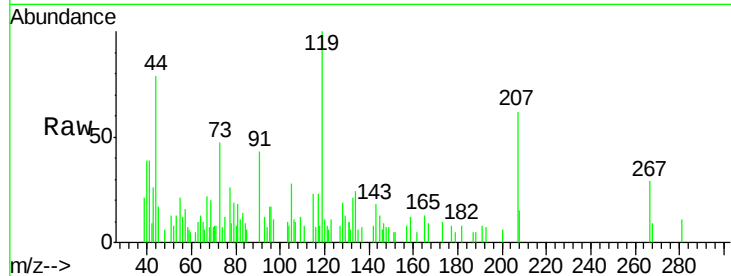
ClientSampled :

Tot Ion:117 Resp: 400

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#



#93

1,2,4-Trichlorobenzene

Concen: 4.75 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.00 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

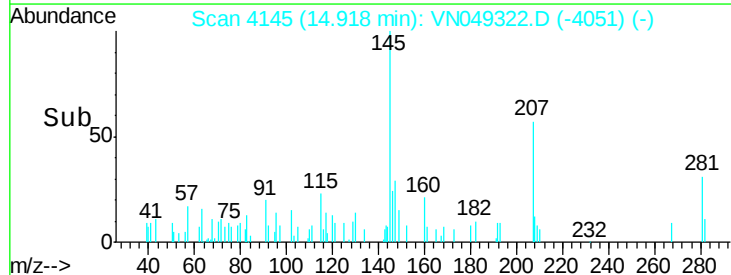
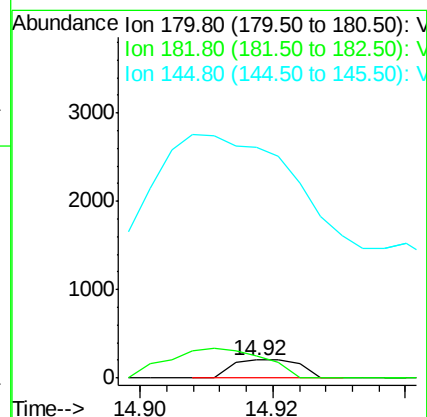
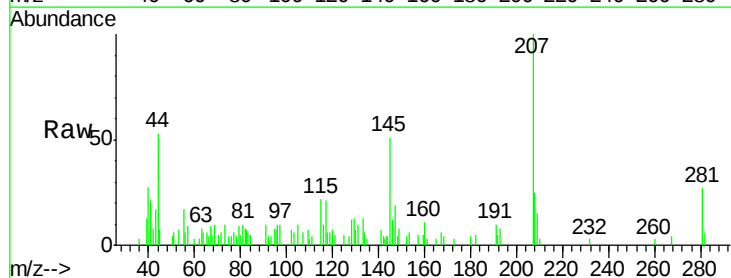
Tgt Ion:180 Resp: 147

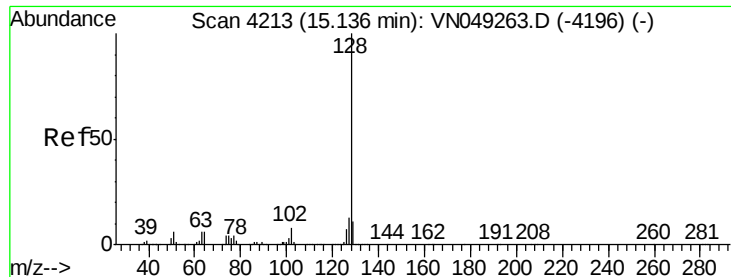
Ion Ratio Lower Upper

180 100

182 228.6 46.9 140.8#

145 5227.2 14.7 44.1#





#95

Naphthalene

Concen: 2.09 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

Instrument :

MSVOA_N

ClientSampled :

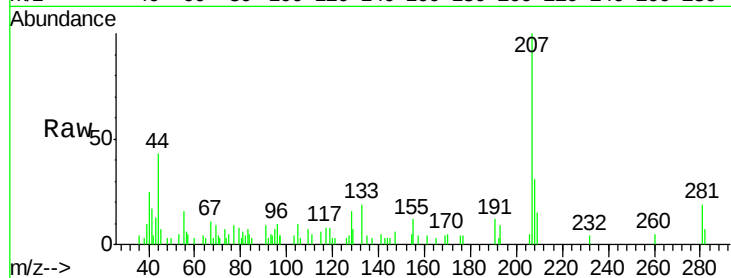
Tot Ion:128 Resp: 299

Ion Ratio Lower Upper

128 100

127 167.6 10.6 16.0#

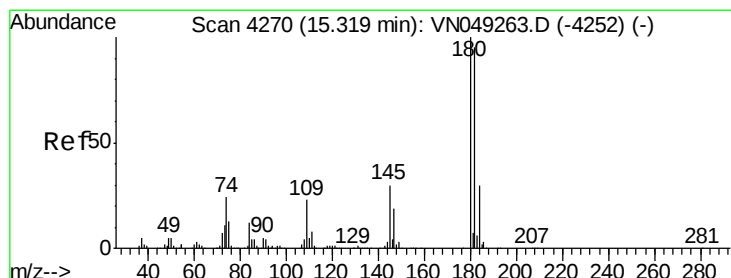
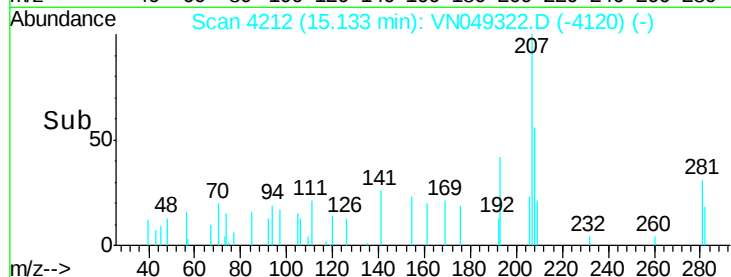
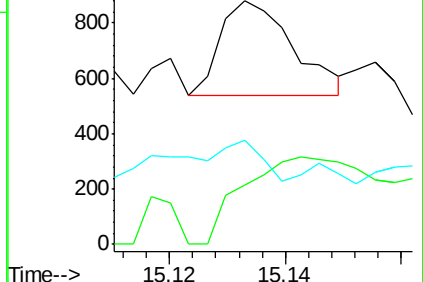
129 43.8 8.5 12.7#



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: 3.47 ug/l

RT: 15.33 min Scan# 4274

Delta R.T. 0.01 min

Lab File: VN049322.D

Acq: 16 Jun 2018 20:46

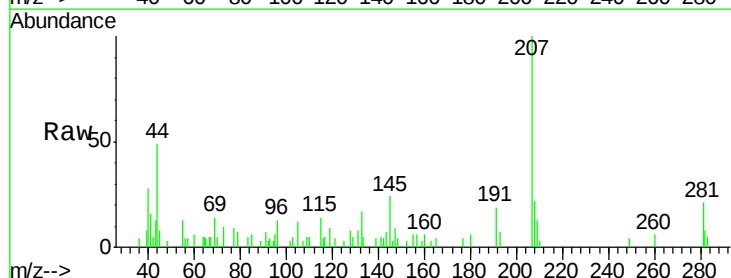
Tgt Ion:180 Resp: 176

Ion Ratio Lower Upper

180 100

182 55.1 47.3 141.8

145 0.0 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

