

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049623.D
 Acq On : 29 Jun 2018 6:26
 Operator : MD\SY
 Sample : J3612-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 08:37:55 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	1208976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1954985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1661999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	600894	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	797261	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	7.59	113	137114	8.67	ug/l	0.00
Spiked Amount			Recovery	=	17.34%	
50) Toluene-d8	10.09	98	2660708	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	
62) 4-Bromofluorobenzene	12.40	95	769265	38.63	ug/l	0.00
Spiked Amount			Recovery	=	77.26%	

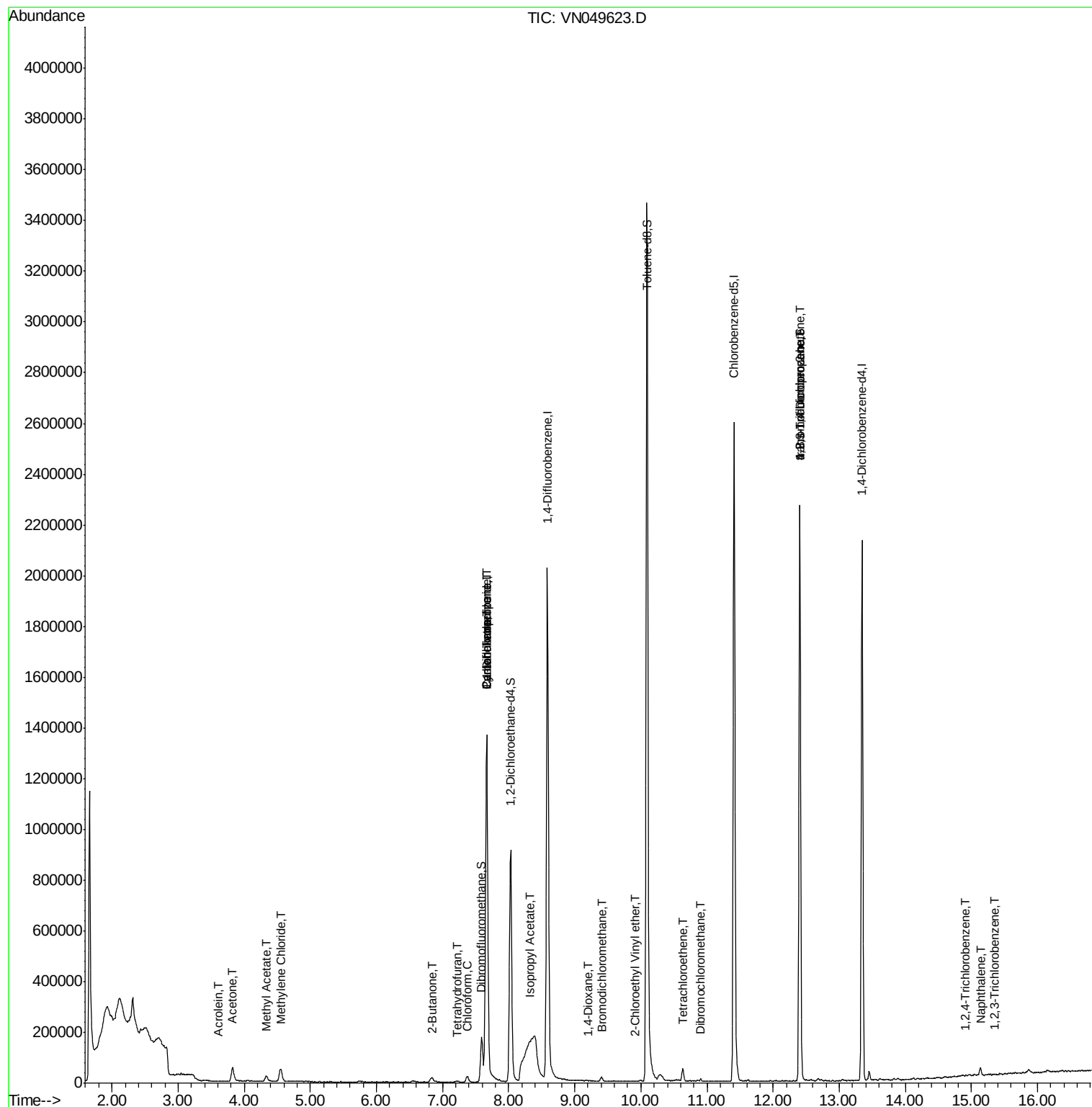
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	1811	1.83	ug/l	91
16) Acetone	3.82	43	97248	24.98	ug/l	92
18) Methyl Acetate	4.33	43	42952	3.62	ug/l	96
20) Methylene Chloride	4.56	84	38129	2.34	ug/l	89
25) 2-Butanone	6.85	43	8060	1.54	ug/l	94
29) Tetrahydrofuran	7.22	42	2089	0.62	ug/l #	78
30) Chloroform	7.37	83	23284	0.84	ug/l	98
31) Cyclohexane	7.66	56	21849	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	83436	3.72	ug/l #	46
38) Carbon Tetrachloride	7.67	117	108543	4.68	ug/l #	17
43) Isopropyl Acetate	8.32	43	334377	14.37	ug/l #	64
47) Bromodichloromethane	9.40	83	11210	0.49	ug/l	92
49) 1,4-Dioxane	9.20	88	74	0.49	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.91	63	29	14.33	ug/l #	51
60) Dibromochloromethane	10.90	129	4271	0.25	ug/l	95
64) Tetrachloroethene	10.63	164	12082	0.71	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.51	83	66	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	372642	36.35	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	372642	114.87	ug/l #	9
90) Hexachloroethane	13.83	117	98	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.91	180	362	4.77	ug/l #	56
95) Naphthalene	15.13	128	23047	3.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.36	180	63	3.46	ug/l #	13

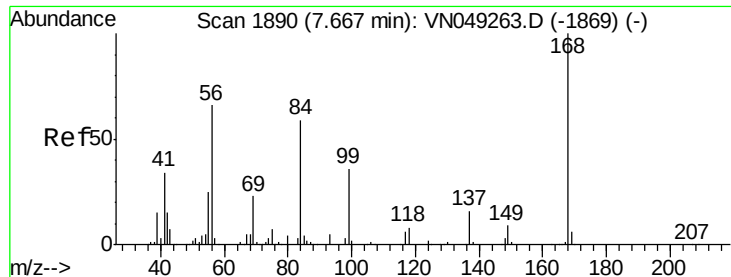
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
Data File : VN049623.D
Acq On : 29 Jun 2018 6:26
Operator : MD\SY
Sample : J3612-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 29 08:37:55 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: VN049623.D

Acq: 29 Jun 2018 6:26

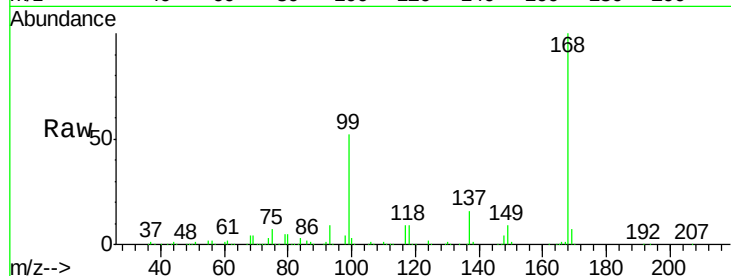
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1208976

Ion Ratio Lower Upper

168 100

99 52.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

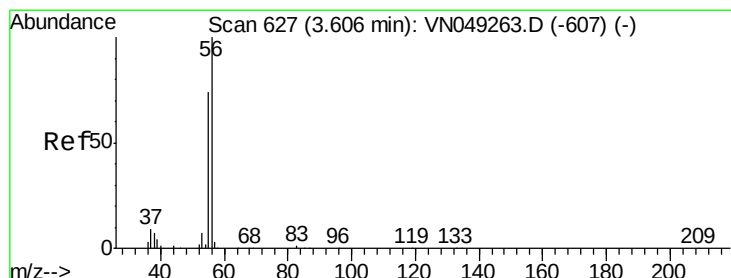
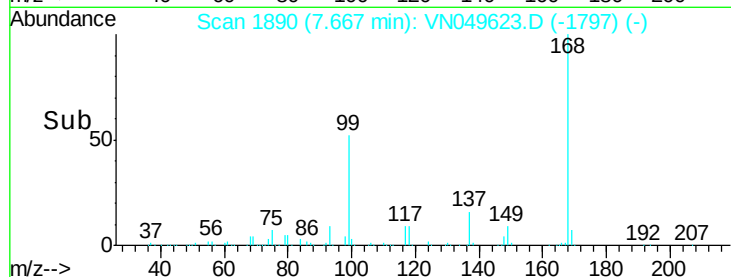
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 1.83 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN049623.D

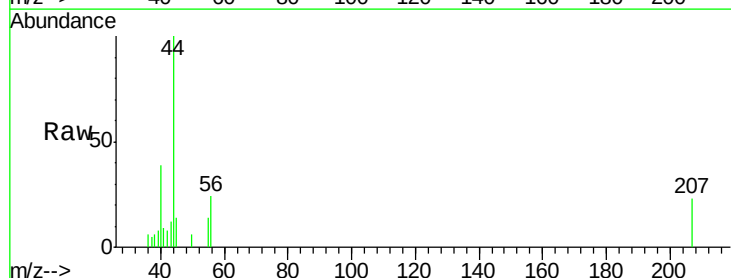
Acq: 29 Jun 2018 6:26

Tgt Ion: 56 Resp: 1811

Ion Ratio Lower Upper

56 100

55 64.3 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.62

800

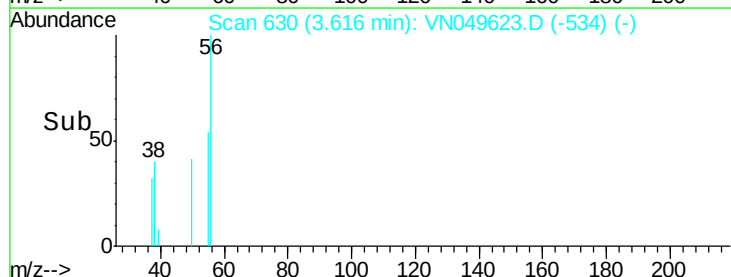
600

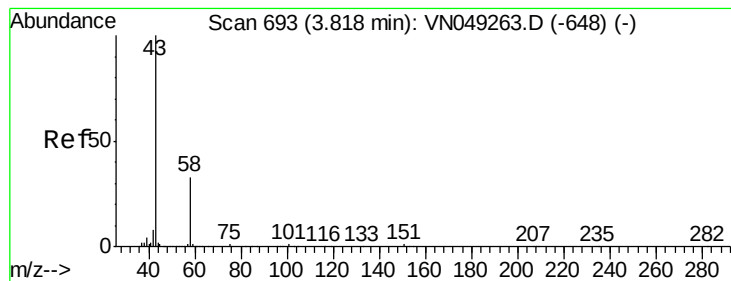
400

200

0

Time-->





#16

Acetone

Concen: 24.98 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049623.D

Acq: 29 Jun 2018 6:26

Instrument :

MSVOA_N

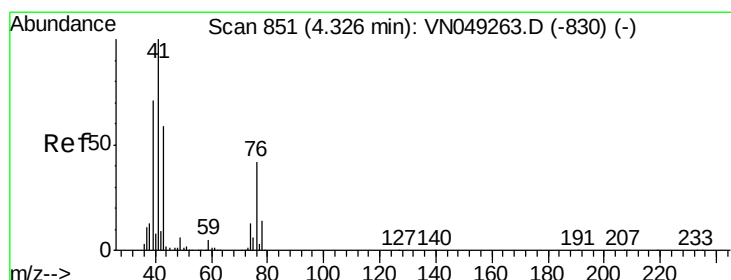
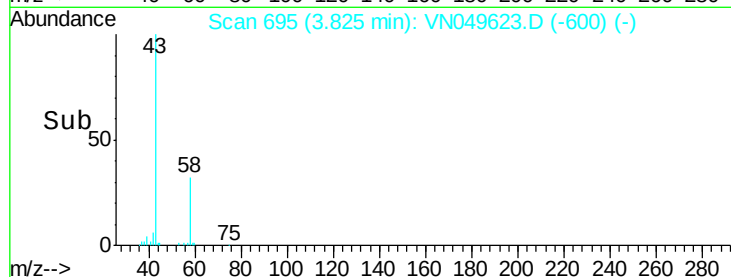
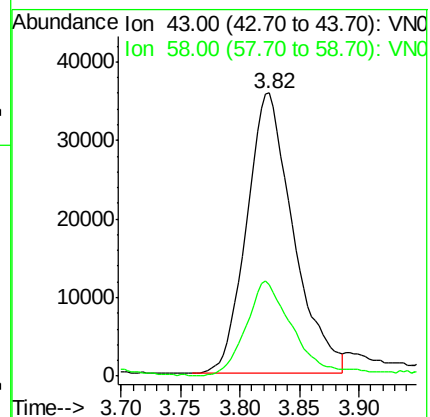
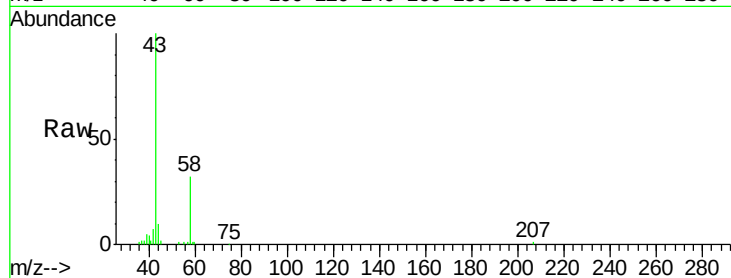
ClientSampled :

Tot Ion: 43 Resp: 97248

Ion Ratio Lower Upper

43 100

58 32.5 22.4 33.6



#18

Methyl Acetate

Concen: 3.62 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049623.D

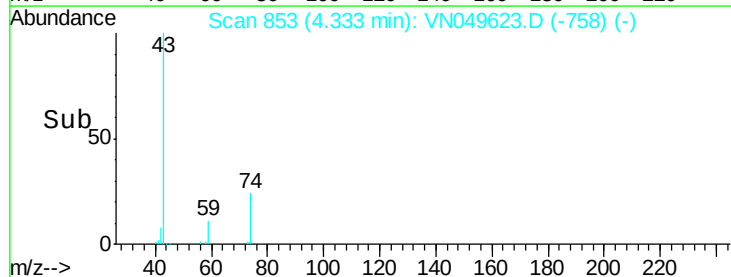
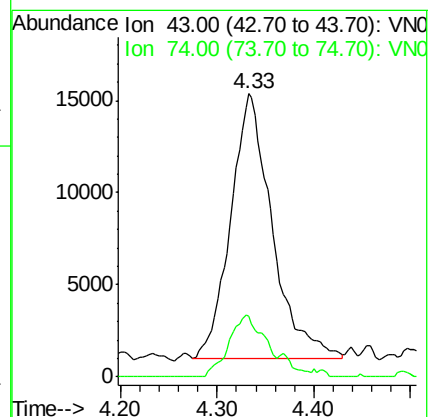
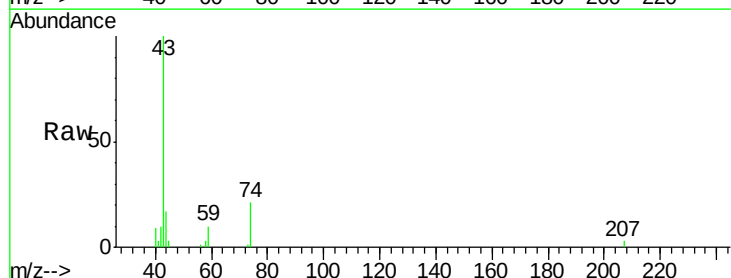
Acq: 29 Jun 2018 6:26

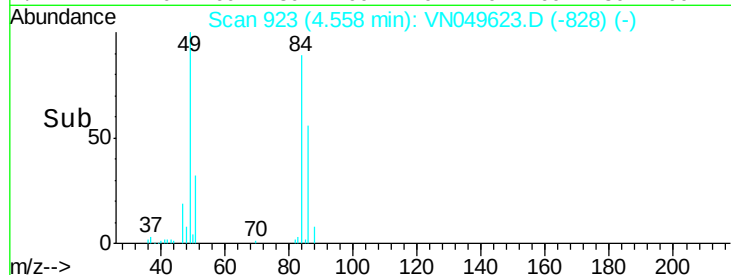
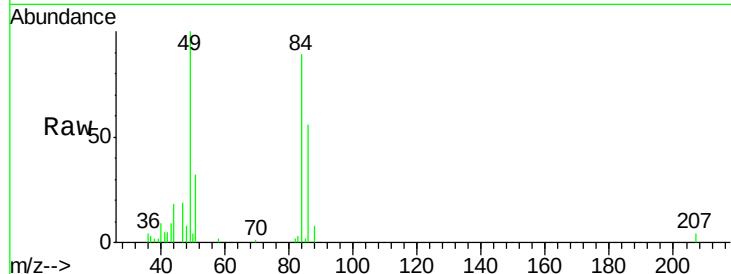
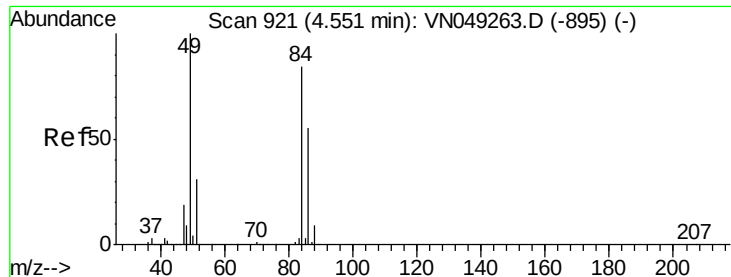
Tgt Ion: 43 Resp: 42952

Ion Ratio Lower Upper

43 100

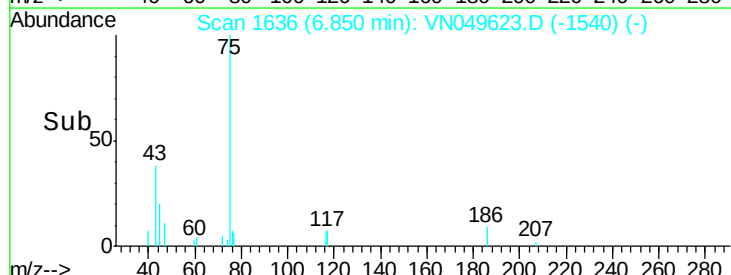
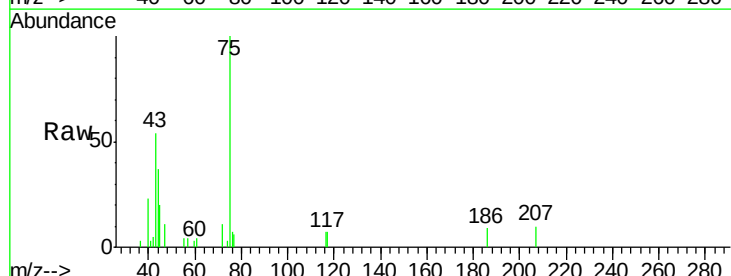
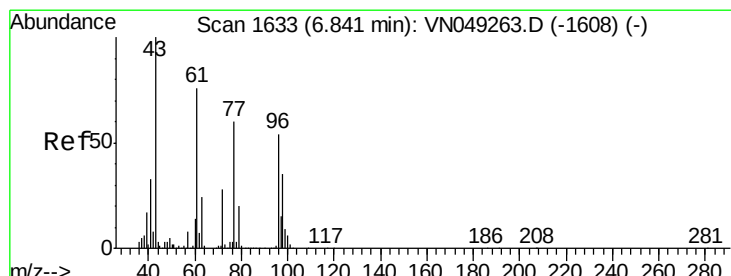
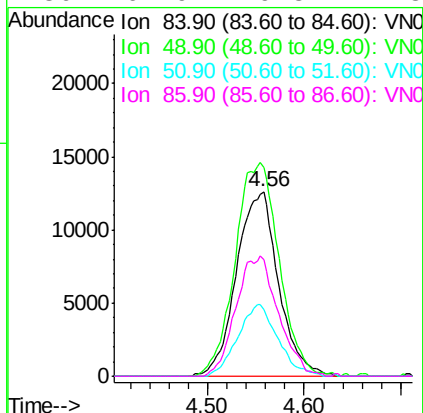
74 19.7 17.4 26.0





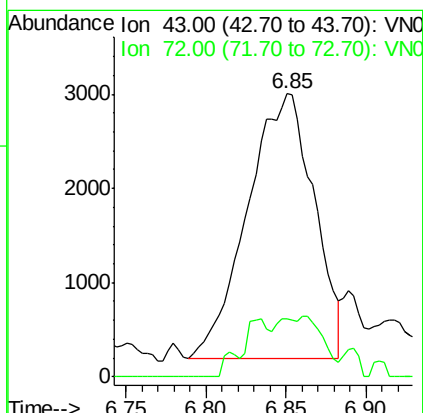
#20
Methylene Chloride
Concen: 2.34 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN049623.D
Acq: 29 Jun 2018 6:26

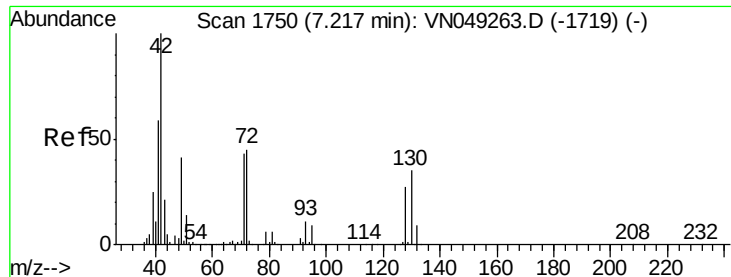
Tot Ion:	84	Resp:	38129
Ion	Ratio	Lower	Upper
84	100		
49	112.7	106.9	160.3
51	36.3	32.7	49.1
86	62.9	49.8	74.8



#25
2-Butanone
Concen: 1.54 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049623.D
Acq: 29 Jun 2018 6:26

Tgt Ion:	43	Resp:	8060
Ion	Ratio	Lower	Upper
43	100		
72	22.2	20.2	30.2





#29

Tetrahydrofuran

Concen: 0.62 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN049623.D

Acq: 29 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampled :

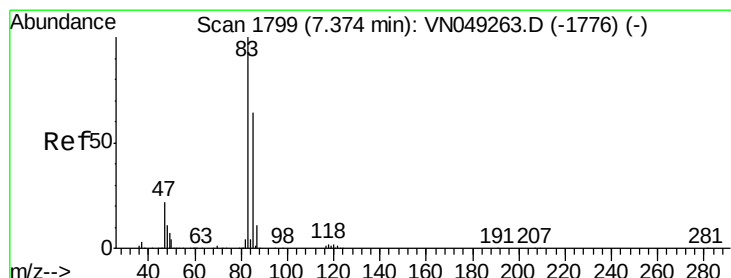
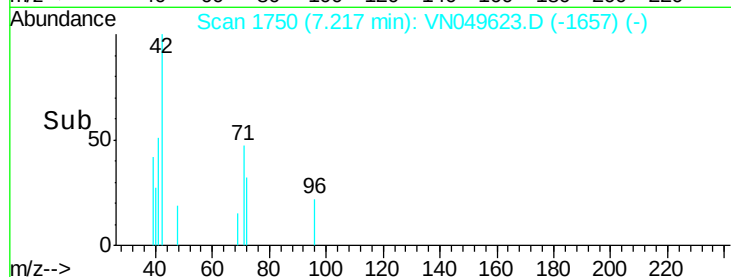
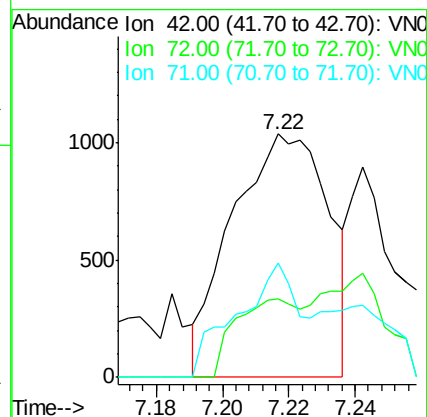
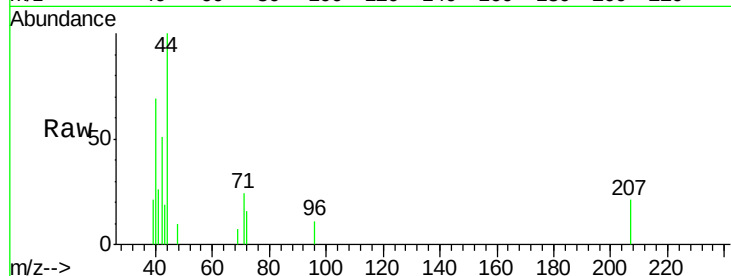
Tot Ion: 42 Resp: 2089

Ion Ratio Lower Upper

42 100

72 21.1 32.2 48.4#

71 30.3 30.5 45.7#



#30

Chloroform

Concen: 0.84 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049623.D

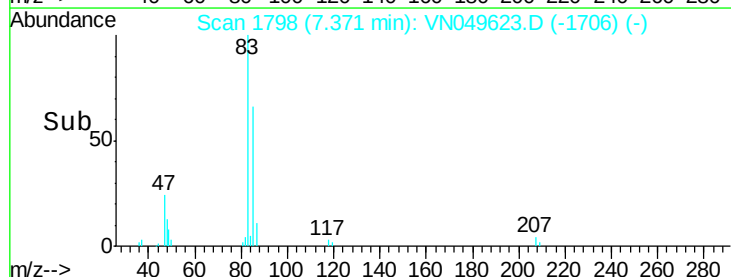
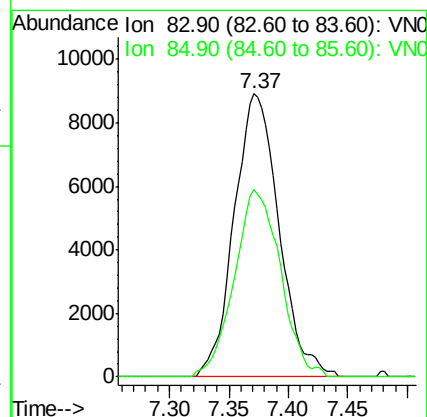
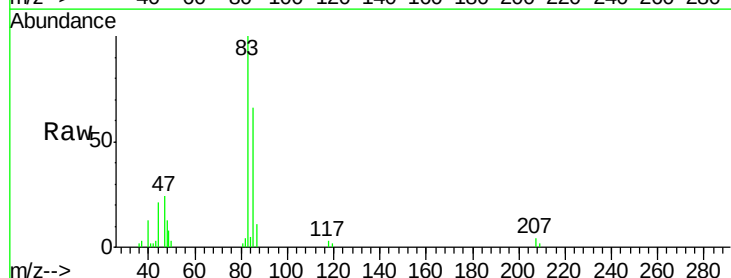
Acq: 29 Jun 2018 6:26

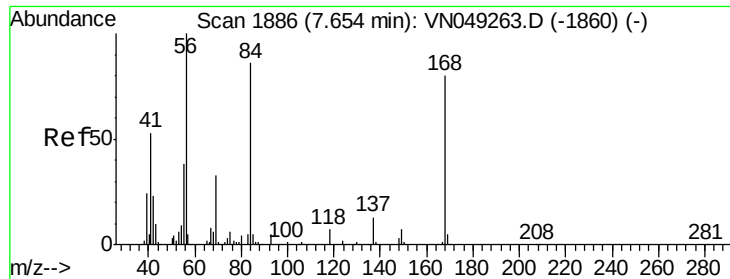
Tgt Ion: 83 Resp: 23284

Ion Ratio Lower Upper

83 100

85 66.4 51.7 77.5

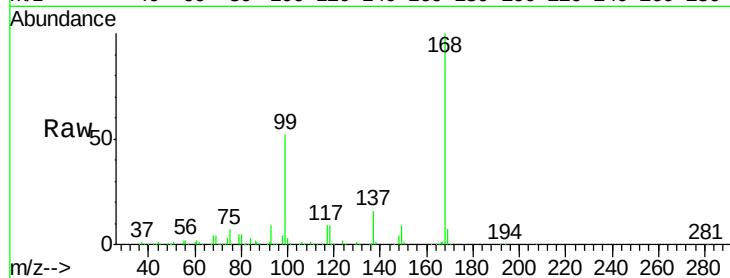




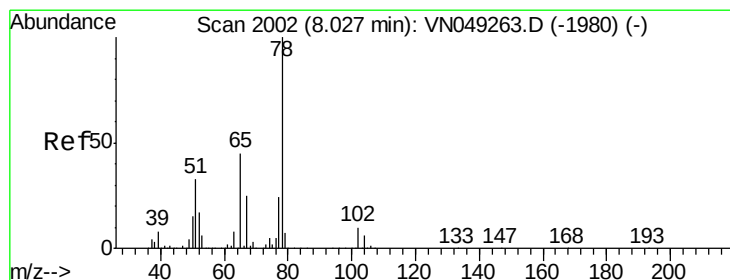
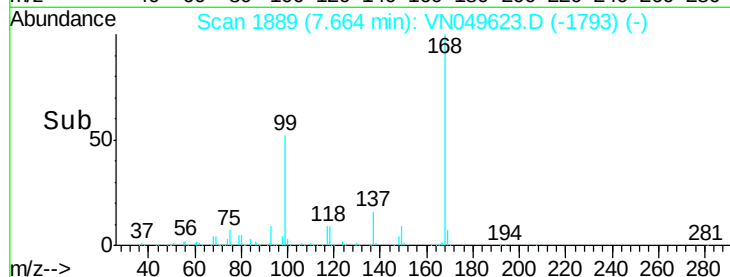
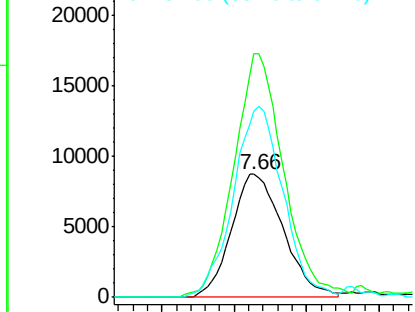
#31
Cyclohexane
Concen: 0.75 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049623.D
Acq: 29 Jun 2018 6:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 21849
Ion Ratio Lower Upper
56 100
69 193.6 25.0 37.4#
84 149.1 64.6 96.8#

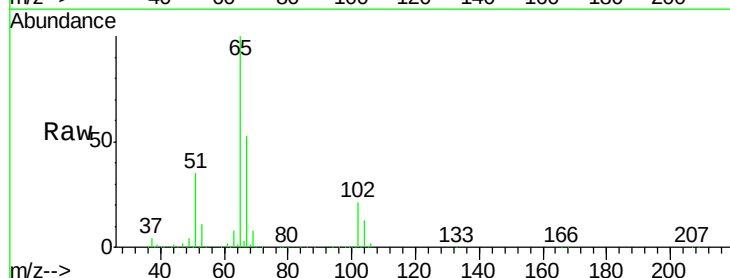


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

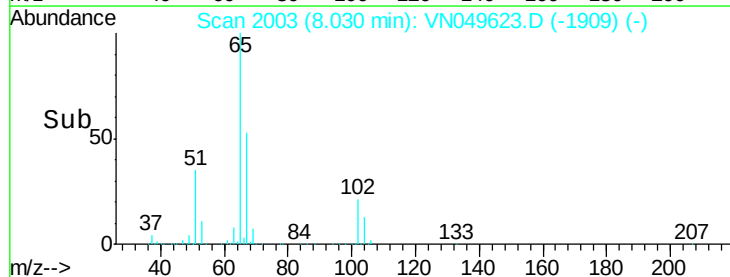
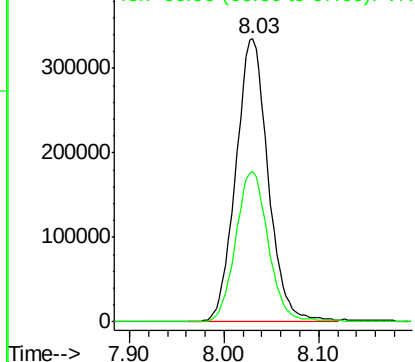


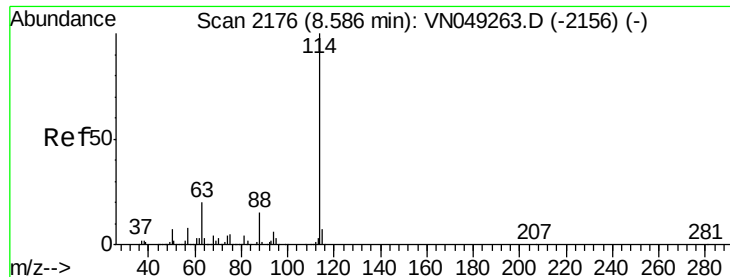
#33
1,2-Dichloroethane-d4
Concen: 49.72 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049623.D
Acq: 29 Jun 2018 6:26

Tgt Ion: 65 Resp: 797261
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



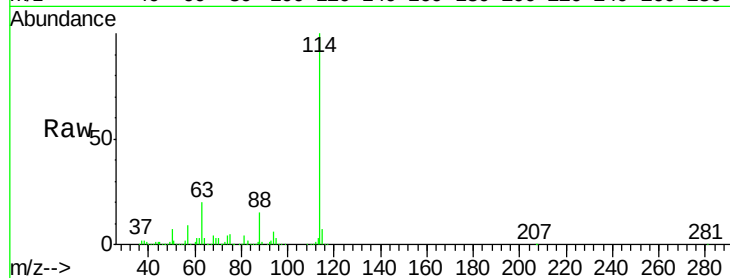


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049623.D
 Acq: 29 Jun 2018 6:26

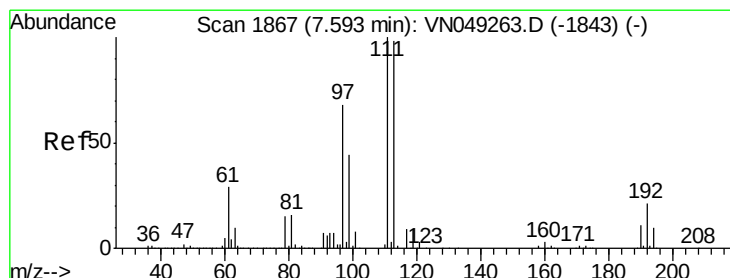
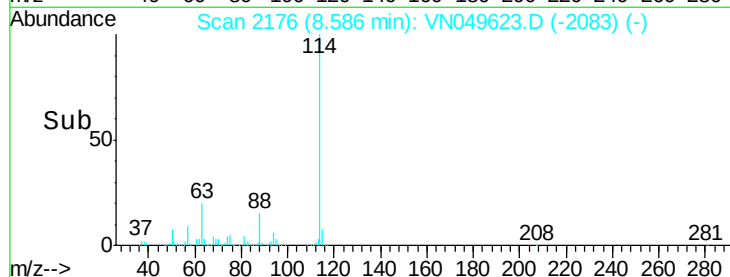
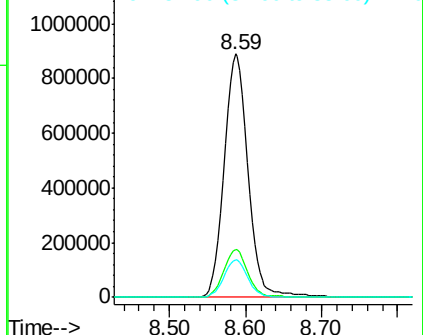
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 1954985

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	44.4
88	15.3	0.0	31.4



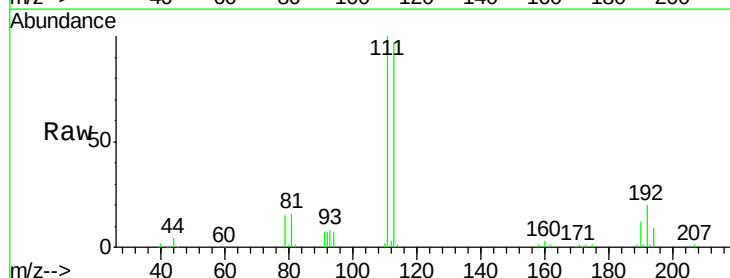
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



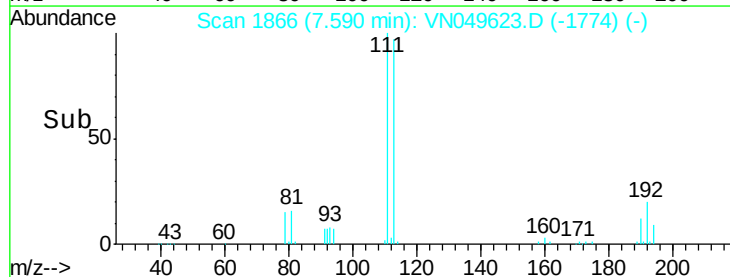
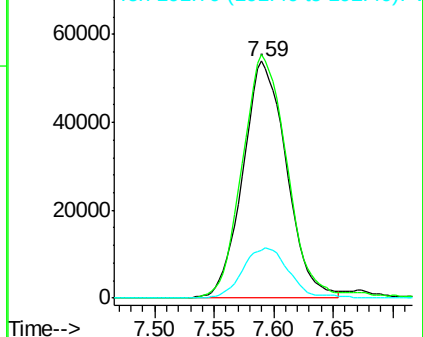
#35
 Dibromofluoromethane
 Concen: 8.67 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049623.D
 Acq: 29 Jun 2018 6:26

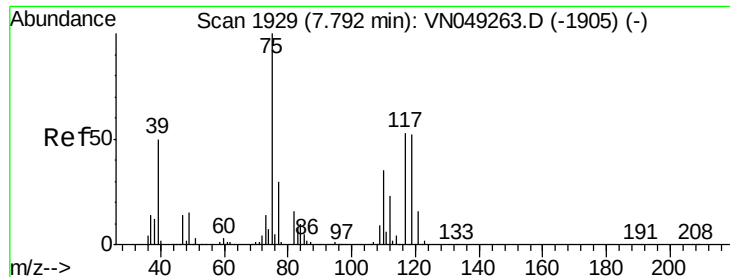
Tgt Ion:113 Resp: 137114

Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.4	123.6
192	22.0	15.0	22.6



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: 3.72 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049623.D

Acq: 29 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampled :

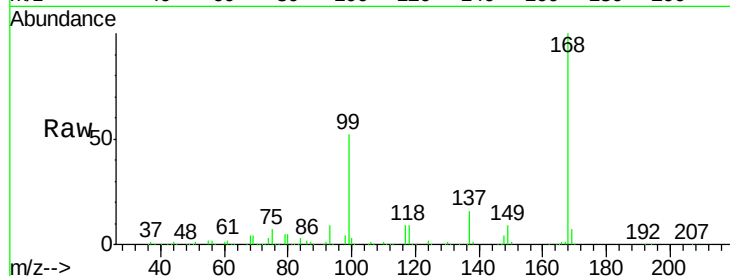
Tot Ion: 75 Resp: 83436

Ion Ratio Lower Upper

75 100

110 4.2 17.0 50.9#

77 0.1 24.4 36.6#

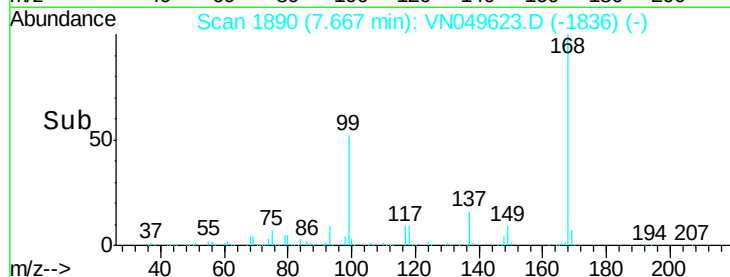


Abundance Ion 74.90 (74.60 to 75.60): VN049623.D (-1836) (-)

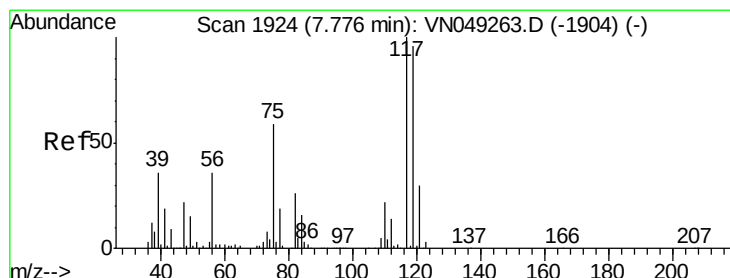
Ion 109.90 (109.60 to 110.60): VN049623.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049623.D (-1836) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 4.68 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049623.D

Acq: 29 Jun 2018 6:26

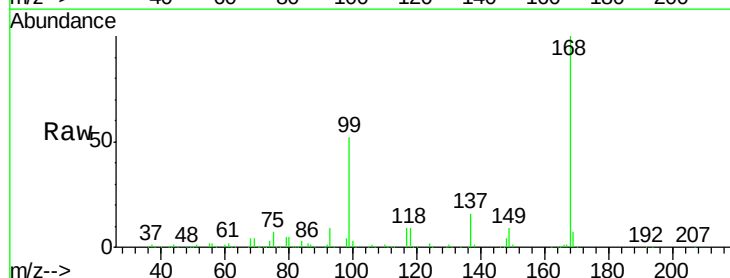
Tgt Ion: 117 Resp: 108543

Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

121 0.0 24.7 37.1#

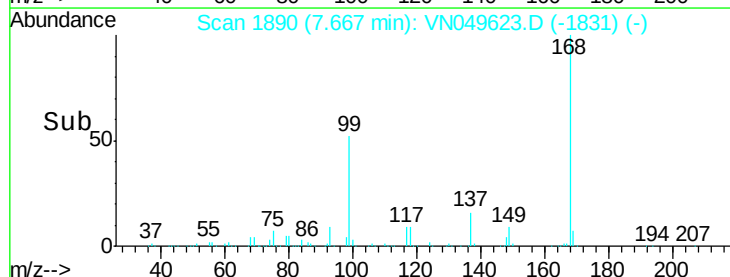


Abundance Ion 116.80 (116.50 to 117.50): VN049623.D (-1831) (-)

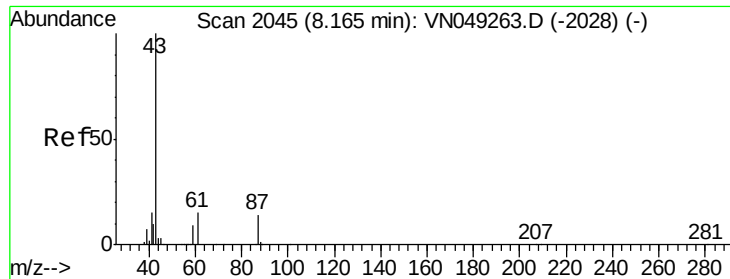
Ion 118.80 (118.50 to 119.50): VN049623.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049623.D (-1831) (-)

Time-->



Time-->



#43

Isopropyl Acetate

Concen: 14.37 ug/l

RT: 8.32 min Scan# 2092

Delta R.T. 0.15 min

Lab File: VN049623.D

Acq: 29 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

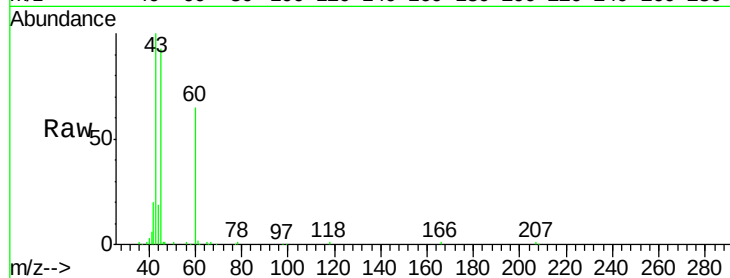
Tot Ion: 43 Resp: 334377

Ion Ratio Lower Upper

43 100

61 0.2 14.2 21.4#

87 0.0 9.4 14.0#

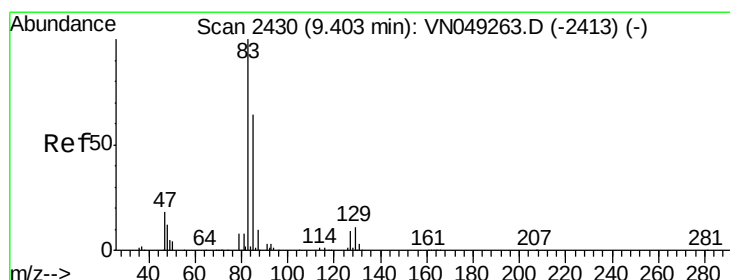
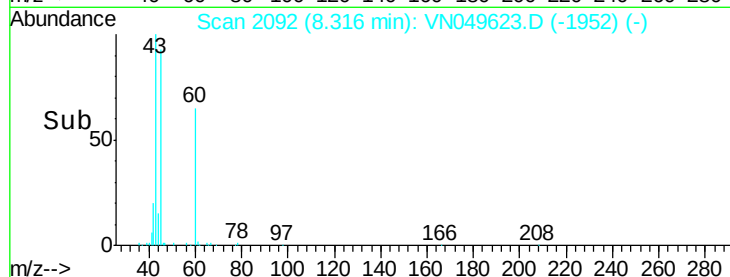
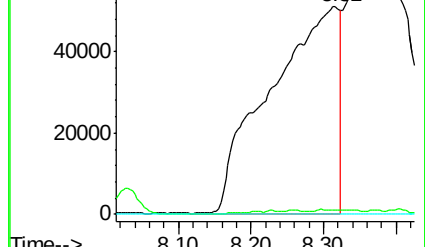


Abundance Ion 43.00 (42.70 to 43.70): VN049623.D (-2092) (-)

Ion 61.00 (60.70 to 61.70): VN049623.D (-2092) (-)

Ion 87.00 (86.70 to 87.70): VN049623.D (-2092) (-)

Time-->



#47

Bromodichloromethane

Concen: 0.49 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049623.D

Acq: 29 Jun 2018 6:26

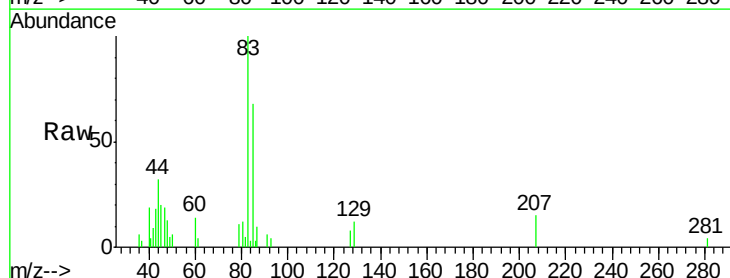
Tgt Ion: 83 Resp: 11210

Ion Ratio Lower Upper

83 100

85 68.1 49.4 74.0

127 7.6 6.3 9.5

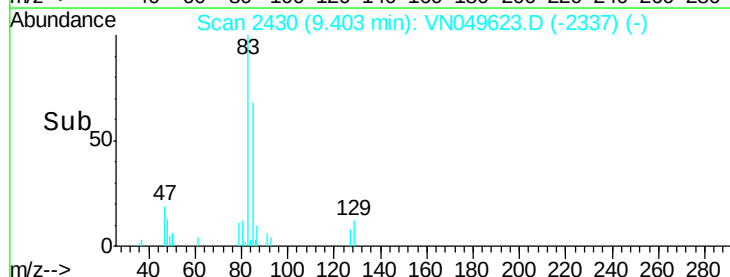
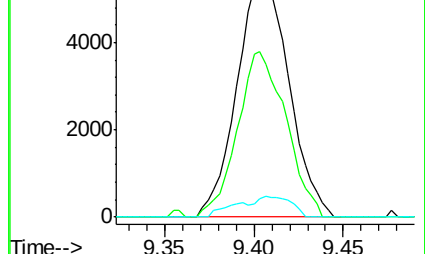


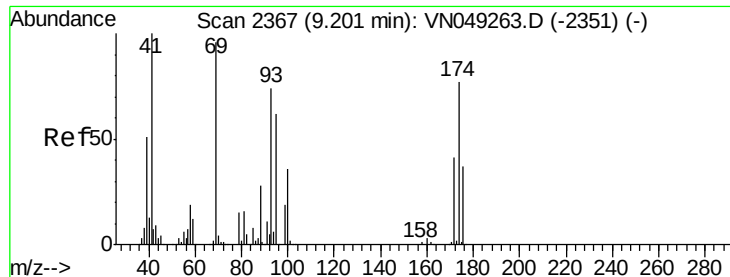
Abundance Ion 82.90 (82.60 to 83.60): VN049623.D (-2430) (-)

Ion 84.90 (84.60 to 85.60): VN049623.D (-2430) (-)

Ion 126.80 (126.50 to 127.50): VN049623.D (-2430) (-)

Time-->

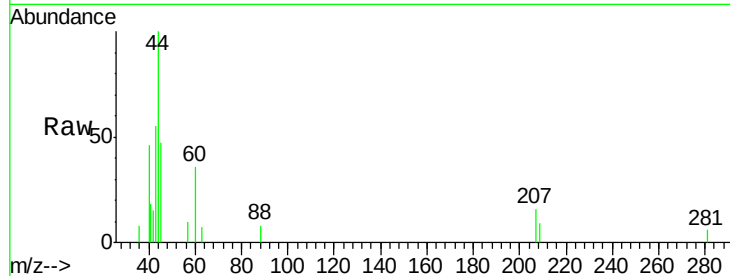




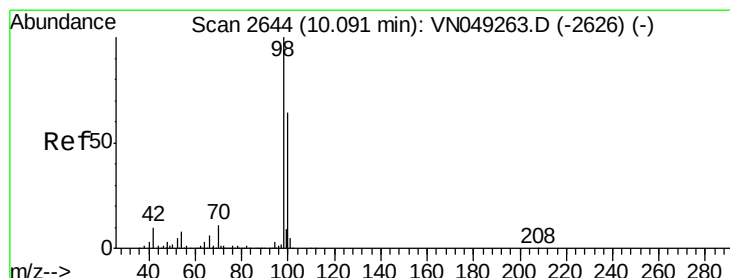
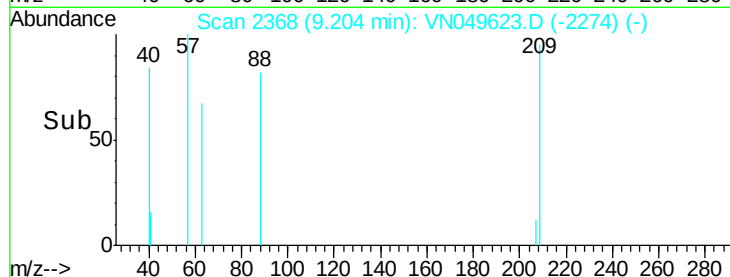
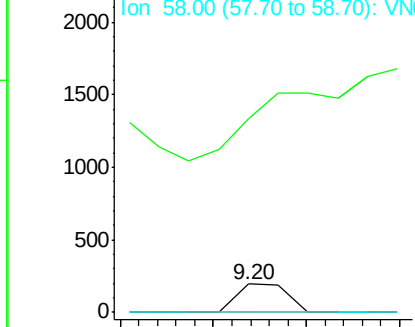
#49
1,4-Dioxane
Concen: 0.49 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049623.D
Acq: 29 Jun 2018 6:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 1359.5 30.9 46.3#
58 0.0 58.9 88.3#

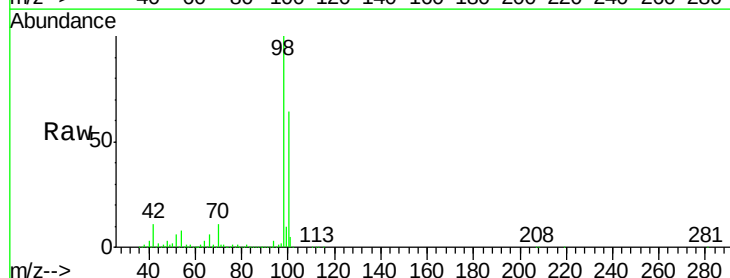


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

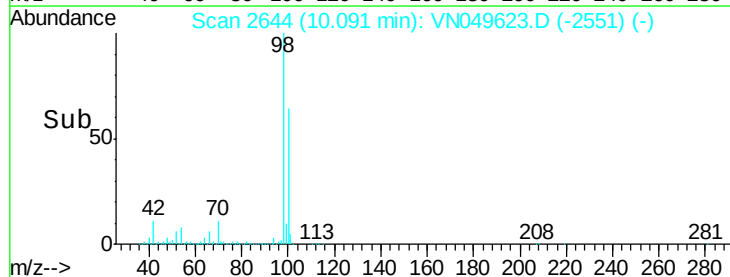
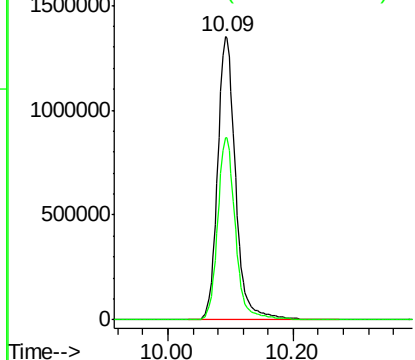


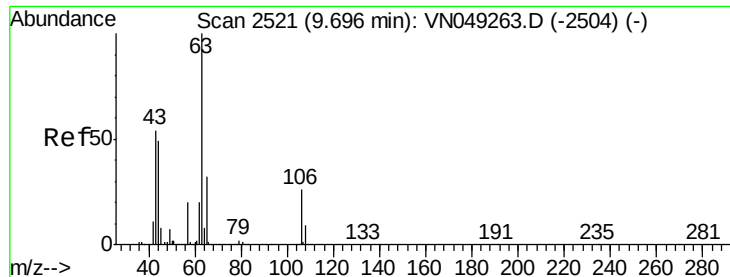
#50
Toluene-d8
Concen: 44.18 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049623.D
Acq: 29 Jun 2018 6:26

Tgt Ion: 98 Resp: 2660708
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.8



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

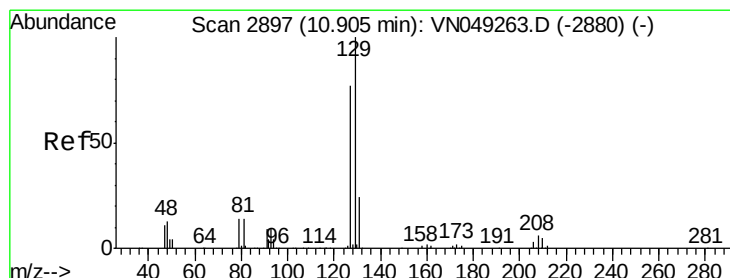
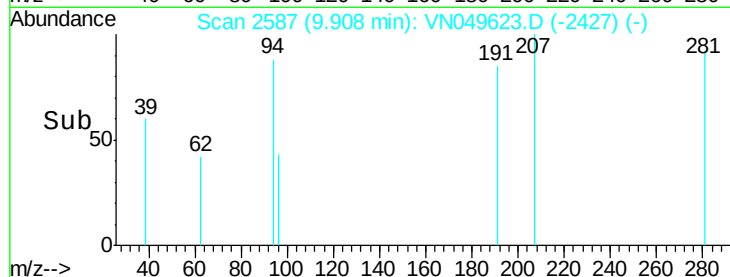
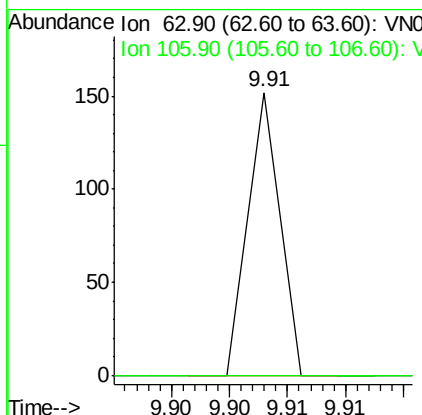
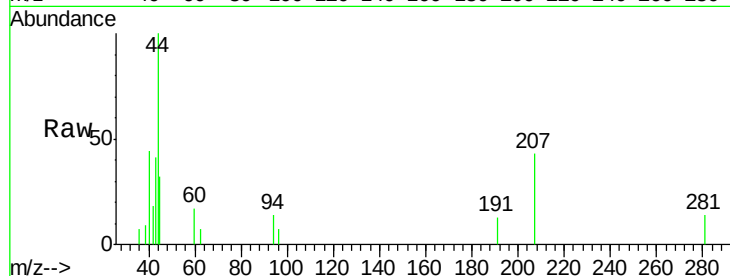




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.33 ug/l
 RT: 9.91 min Scan# 2587
 Delta R.T. 0.21 min
 Lab File: VN049623.D
 Acq: 29 Jun 2018 6:26

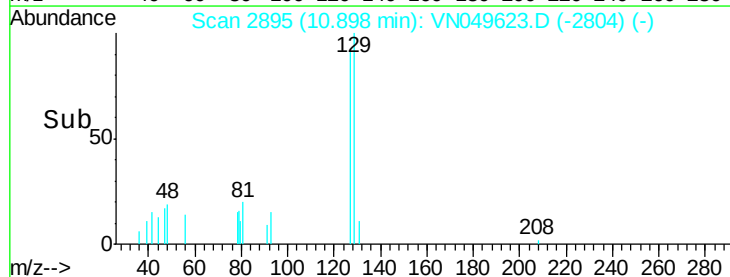
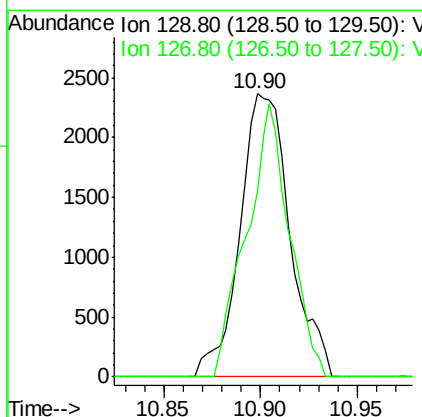
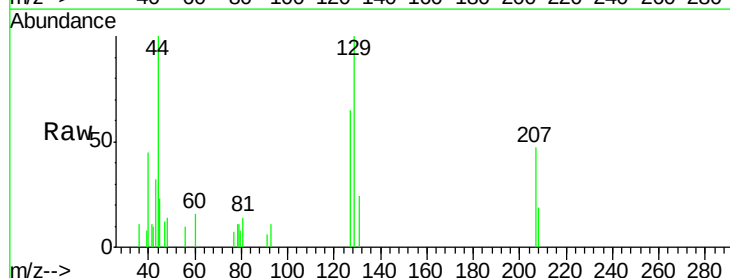
Instrument :
 MSVOA_N
 ClientSampled :

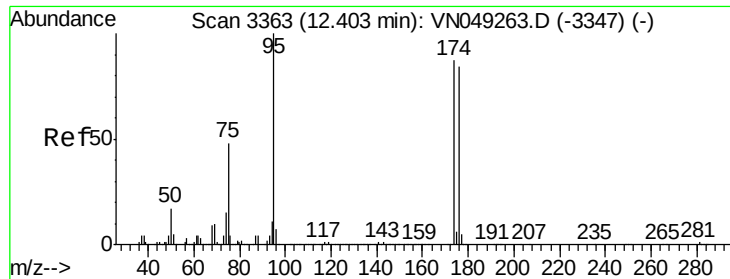
Tot Ion: 63 Resp: 29
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#60
 Dibromochloromethane
 Concen: 0.25 ug/l
 RT: 10.90 min Scan# 2895
 Delta R.T. -0.01 min
 Lab File: VN049623.D
 Acq: 29 Jun 2018 6:26

Tgt Ion:129 Resp: 4271
 Ion Ratio Lower Upper
 129 100
 127 82.5 39.1 117.2

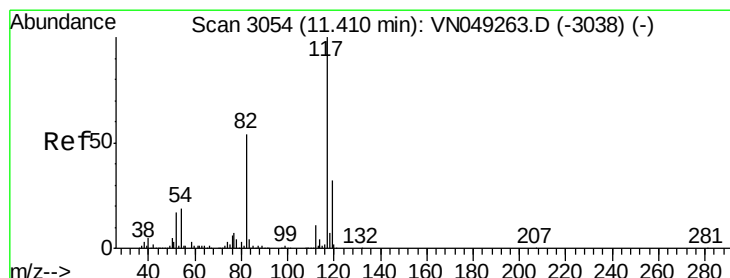
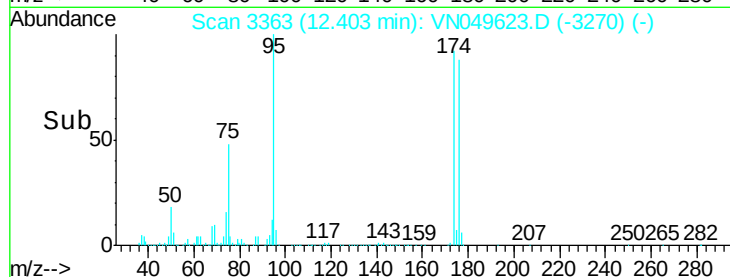
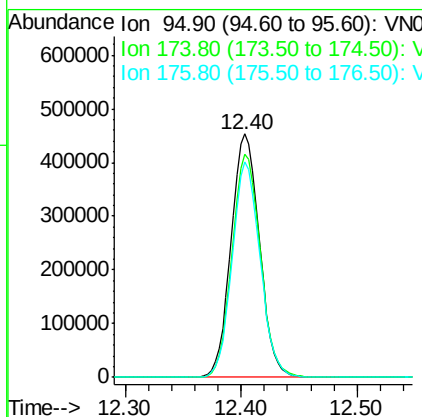
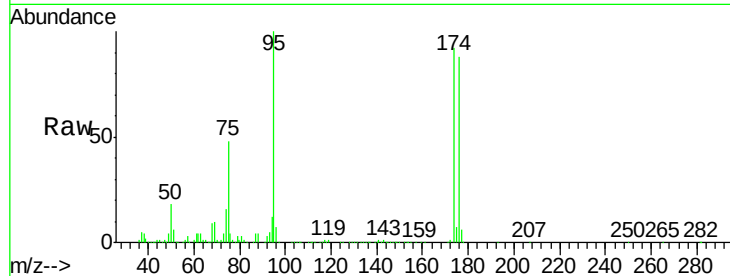




#62
4-Bromofluorobenzene
Concen: 38.63 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049623.D
Acq: 29 Jun 2018 6:26

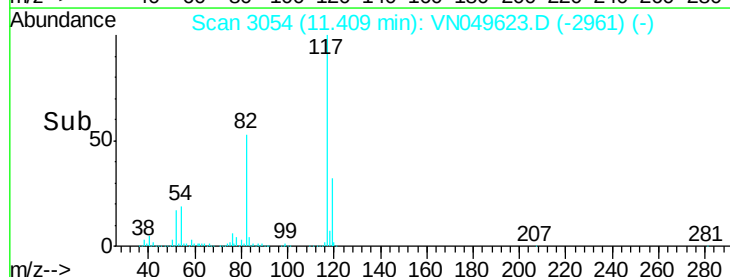
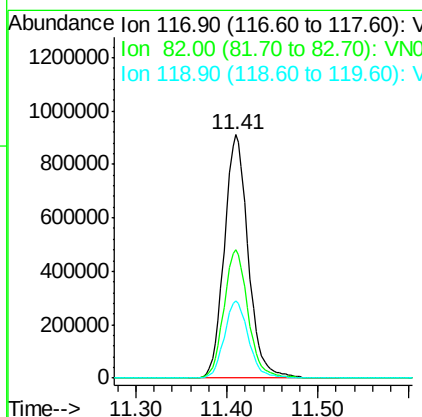
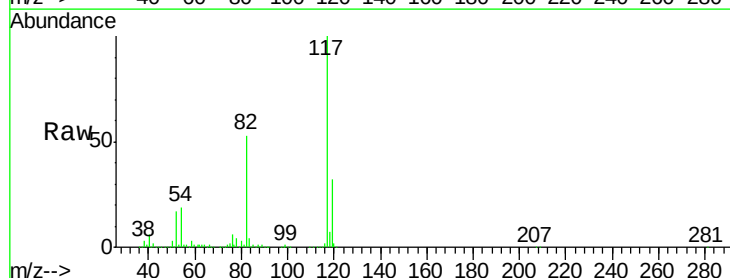
Instrument :
MSVOA_N
ClientSampleId :

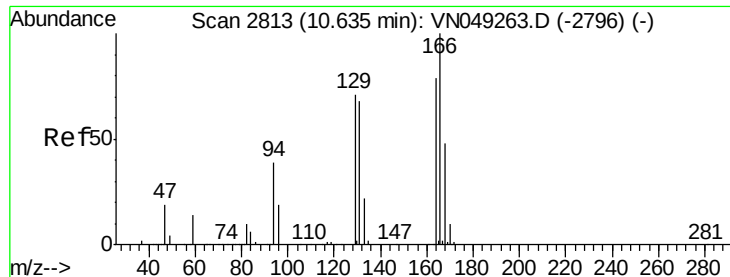
Tot Ion: 95 Resp: 769265
Ion Ratio Lower Upper
95 100
174 91.7 0.0 165.6
176 86.9 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049623.D
Acq: 29 Jun 2018 6:26

Tgt Ion: 117 Resp: 1661999
Ion Ratio Lower Upper
117 100
82 52.8 45.9 68.9
119 31.9 25.5 38.3

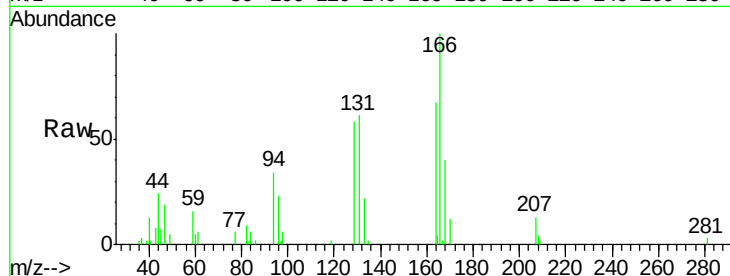




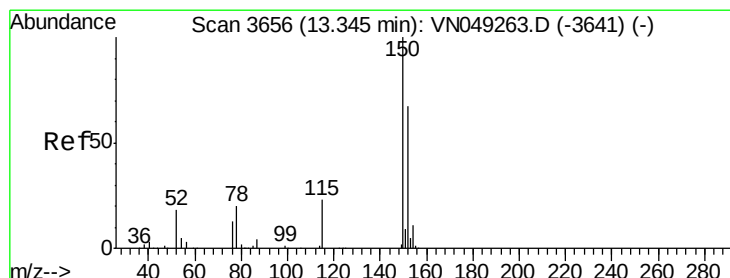
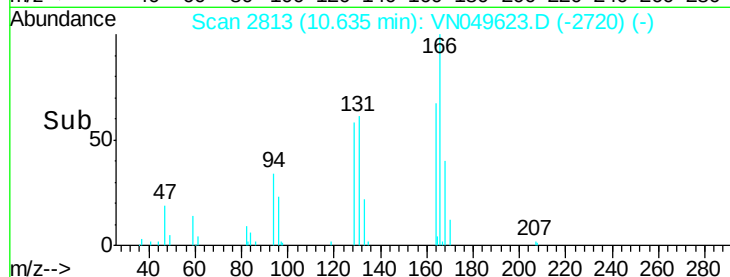
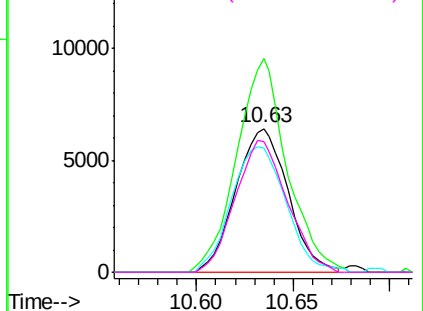
#64
Tetrachloroethene
Concen: 0.71 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN049623.D
Acq: 29 Jun 2018 6:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:164 Resp: 12082
Ion Ratio Lower Upper
164 100
166 148.6 101.4 152.2
129 86.4 74.1 111.1
131 90.5 73.7 110.5

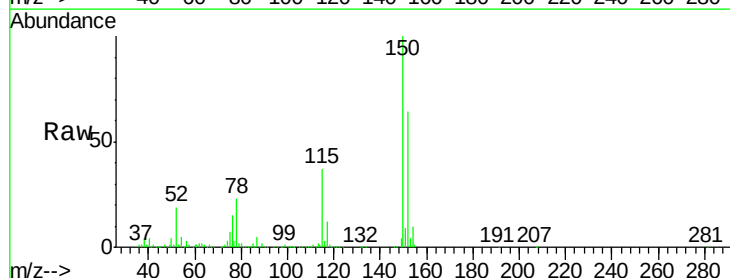


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

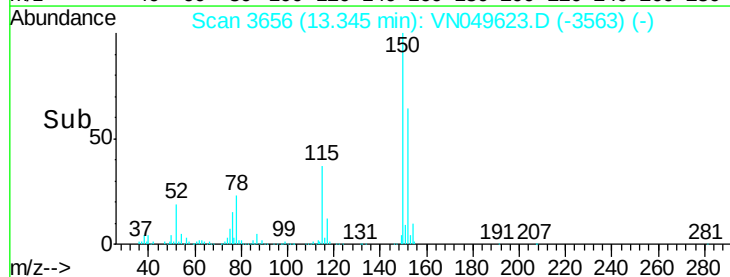
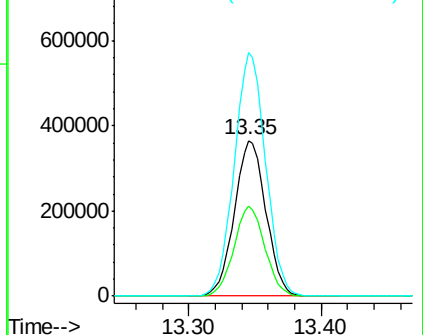


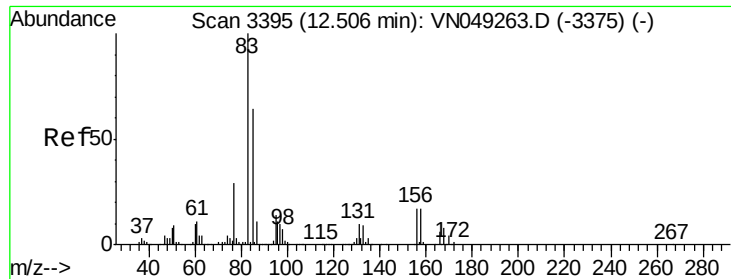
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049623.D
Acq: 29 Jun 2018 6:26

Tgt Ion:152 Resp: 600894
Ion Ratio Lower Upper
152 100
115 57.1 28.7 86.1
150 156.1 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# 3396

Delta R.T. 0.00 min

Lab File: VN049623.D

Acq: 29 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

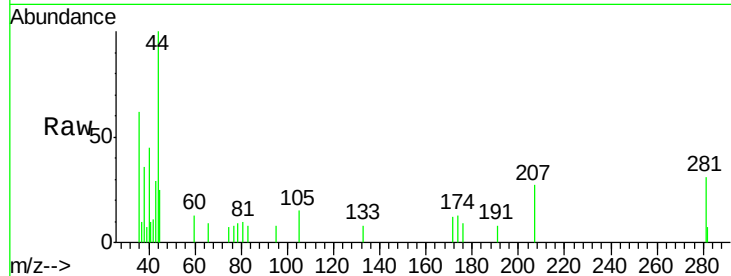
Tot Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

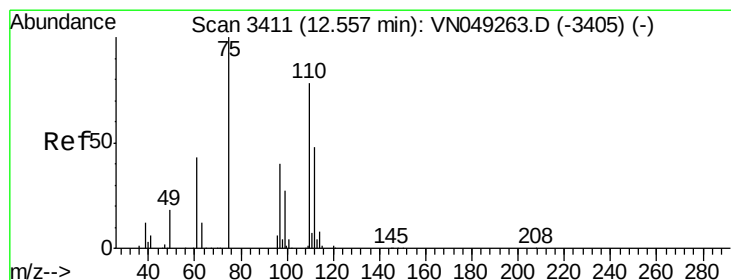
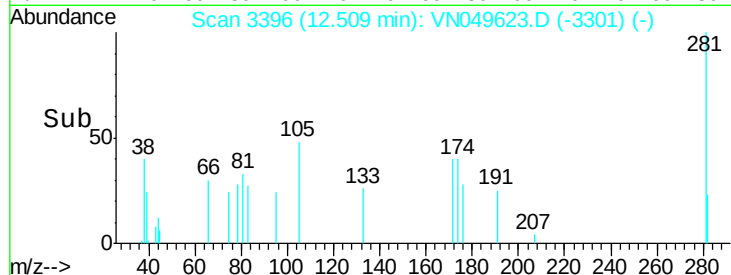
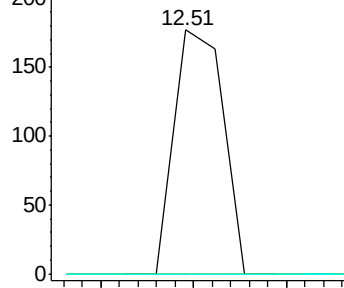
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 36.35 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049623.D

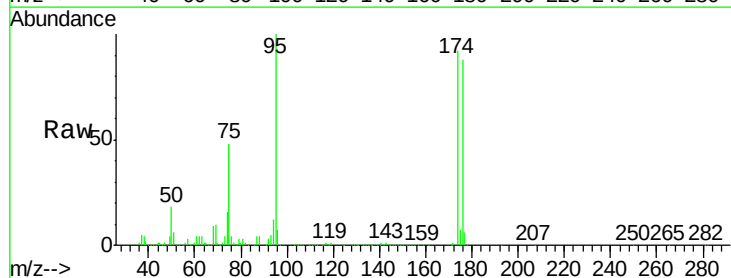
Acq: 29 Jun 2018 6:26

Tgt Ion: 75 Resp: 372642

Ion Ratio Lower Upper

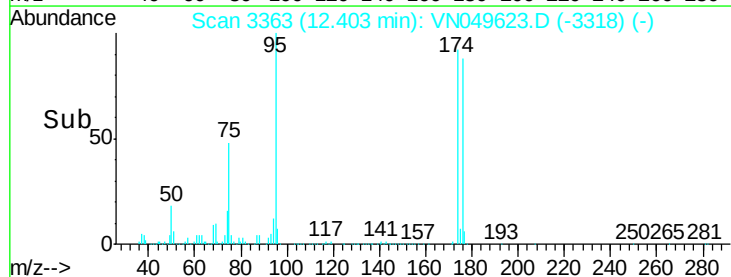
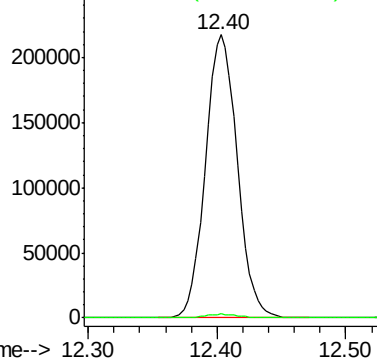
75 100

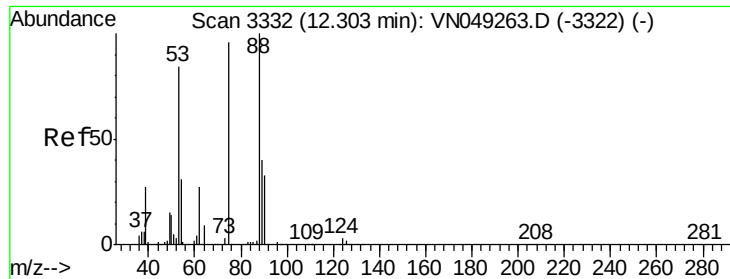
77 1.5 0.0 0.0#



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: 114.87 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049623.D

Acq: 29 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

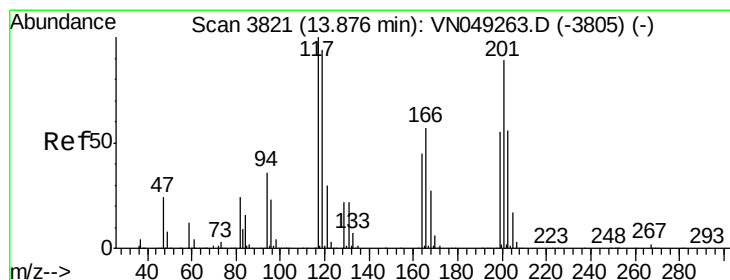
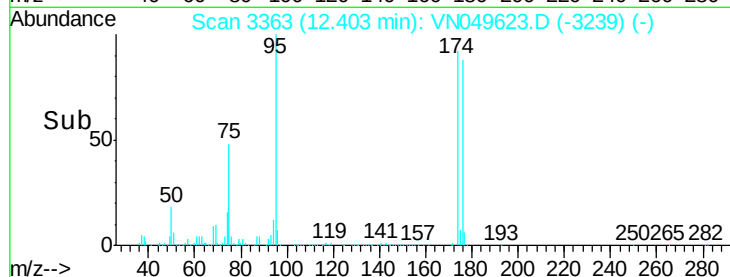
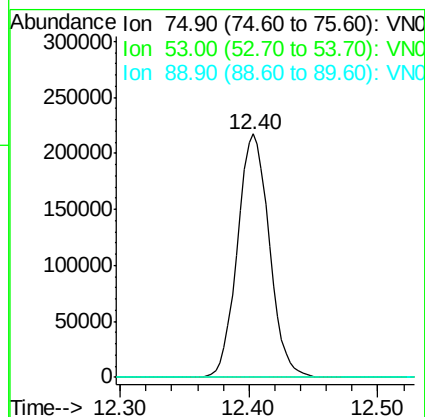
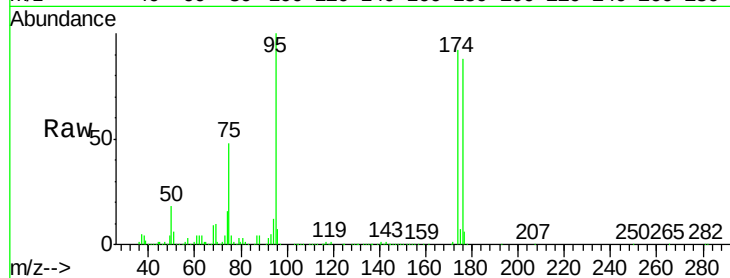
Tot Ion: 75 Resp: 372642

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

89 0.0 36.5 54.7#



#90

Hexachloroethane

Concen: Below Cal

RT: 13.83 min Scan# 3808

Delta R.T. -0.04 min

Lab File: VN049623.D

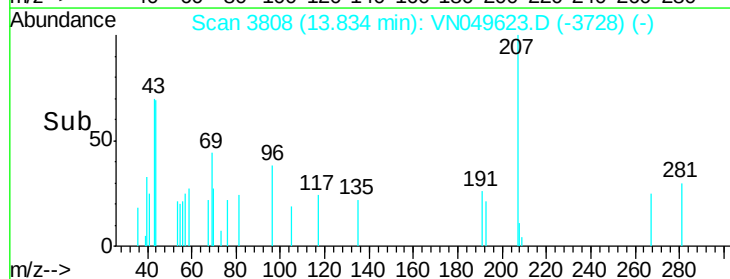
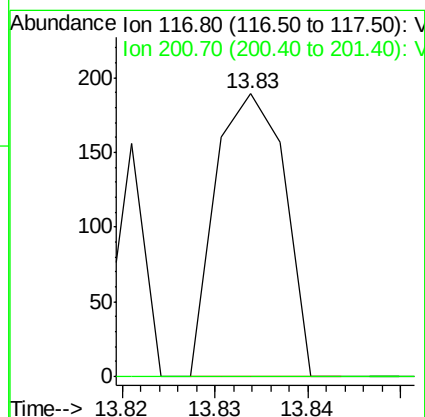
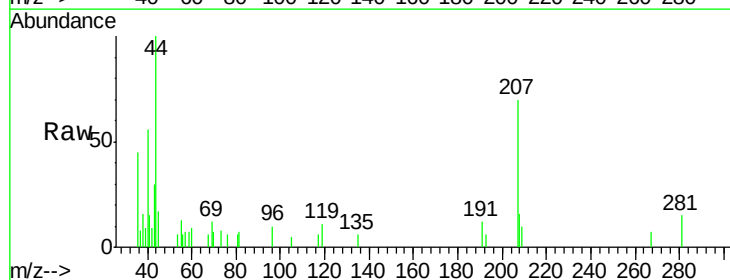
Acq: 29 Jun 2018 6:26

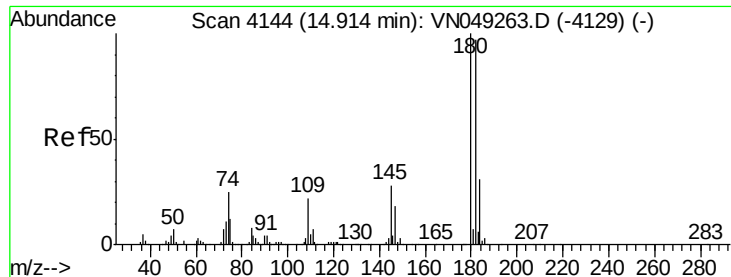
Tgt Ion: 117 Resp: 98

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#

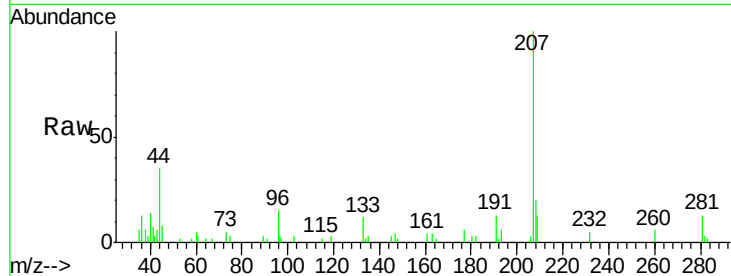




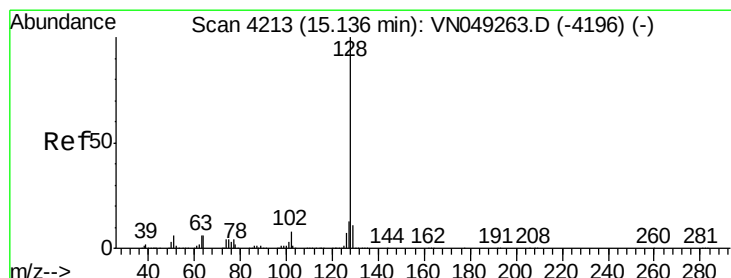
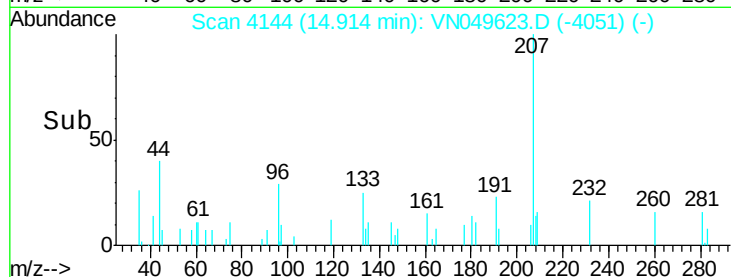
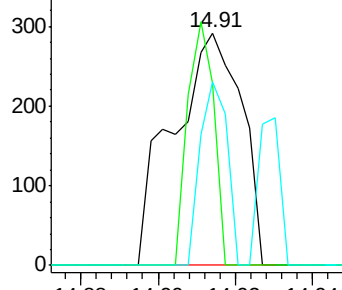
#93
 1,2,4-Trichlorobenzene
 Concen: 4.77 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049623.D
 Acq: 29 Jun 2018 6:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 362
 Ion Ratio Lower Upper
 180 100
 182 39.8 46.9 140.8#
 145 31.2 14.7 44.1

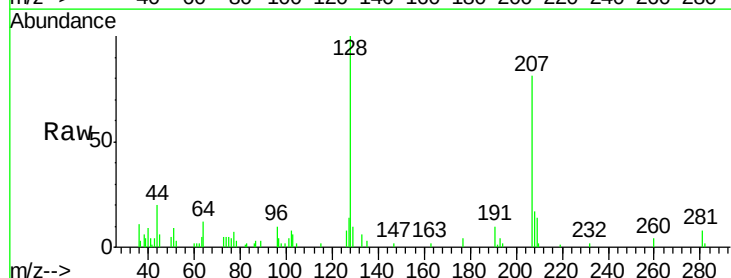


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

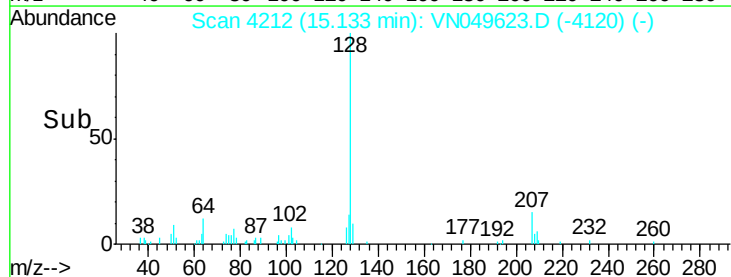
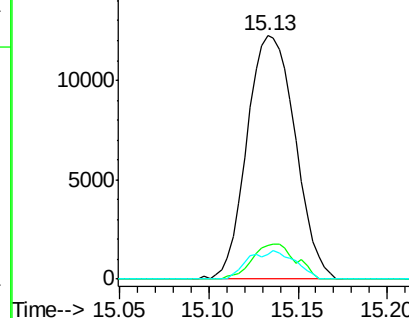


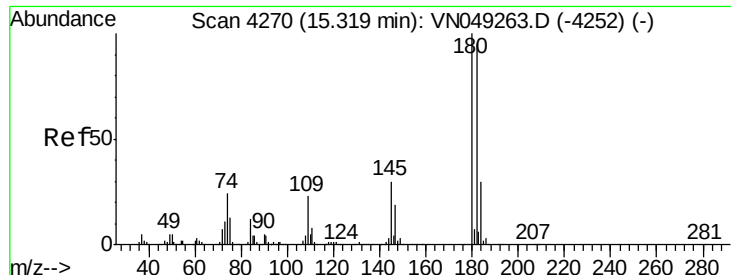
#95
 Naphthalene
 Concen: 3.46 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN049623.D
 Acq: 29 Jun 2018 6:26

Tgt Ion:128 Resp: 23047
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.6 16.0
 129 11.4 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: 3.46 ua/l

RT: 15.36 min Scan# 4283

Delta R.T. 0.04 min

Lab File: VN049623.D

Acq: 29 Jun 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

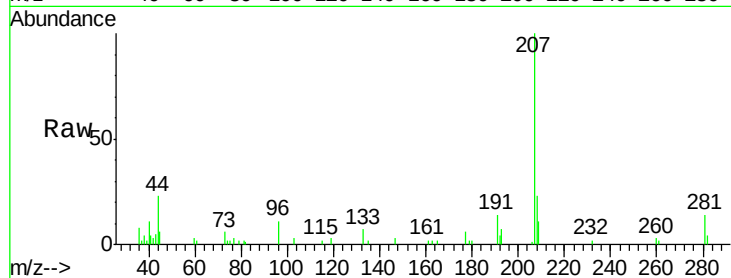
Tot Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 0.0 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

