

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049418.D
 Acq On : 20 Jun 2018 6:12
 Operator : MD\SY
 Sample : J3573-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 08:22:19 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	1240619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1964544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1626354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	473848	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	809171	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	7.59	113	731259	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
50) Toluene-d8	10.09	98	2693695	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
62) 4-Bromofluorobenzene	12.40	95	688755	34.42	ug/l	0.00
Spiked Amount			Recovery	=	68.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	5570	0.54	ug/l	98
11) Tert butyl alcohol	4.79	59	300	0.31	ug/l #	70
13) Acrolein	3.61	56	570	0.56	ug/l	88
16) Acetone	3.82	43	45423	11.37	ug/l	98
18) Methyl Acetate	4.33	43	92160	7.57	ug/l	97
20) Methylene Chloride	4.55	84	229476	13.75	ug/l	91
25) 2-Butanone	6.85	43	19358	3.61	ug/l	91
29) Tetrahydrofuran	7.21	42	811	0.23	ug/l #	66
30) Chloroform	7.37	83	13122	0.46	ug/l	95
31) Cyclohexane	7.66	56	23292	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	87189	3.87	ug/l #	50
37) Ethyl Acetate	6.85	43	19358	1.58	ug/l #	71
38) Carbon Tetrachloride	7.67	117	110640	4.75	ug/l #	17
43) Isopropyl Acetate	8.24	43	389242	16.64	ug/l #	64
47) Bromodichloromethane	9.40	83	6369	0.28	ug/l #	90
48) Methyl methacrylate	9.17	41	2215	0.20	ug/l #	36
49) 1,4-Dioxane	9.20	88	119	0.78	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4755	0.39	ug/l	94
52) Toluene	10.16	92	15372	0.38	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.81	63	30	14.33	ug/l #	51
59) 2-Hexanone	10.76	43	4685	0.59	ug/l	85
64) Tetrachloroethene	10.63	164	4214	0.25	ug/l	88
65) Chlorobenzene	11.44	112	10990	0.26	ug/l	100
67) Ethyl Benzene	11.51	91	57551	0.83	ug/l	93
68) m/p-Xylenes	11.62	106	63689	2.44	ug/l	99
69) o-Xylene	11.95	106	19660	0.78	ug/l	99
70) Styrene	11.97	104	9680	0.24	ug/l #	68
71) Bromoform	12.40	173	4345	0.43	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.52	83	60	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	328209	40.59	ug/l #	100
78) n-propylbenzene	12.59	91	10166	0.22	ug/l	85
80) 1,3,5-Trimethylbenzene	12.73	105	20151	0.62	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	328209	128.30	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.04	105	62223	1.92	ug/l	98

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

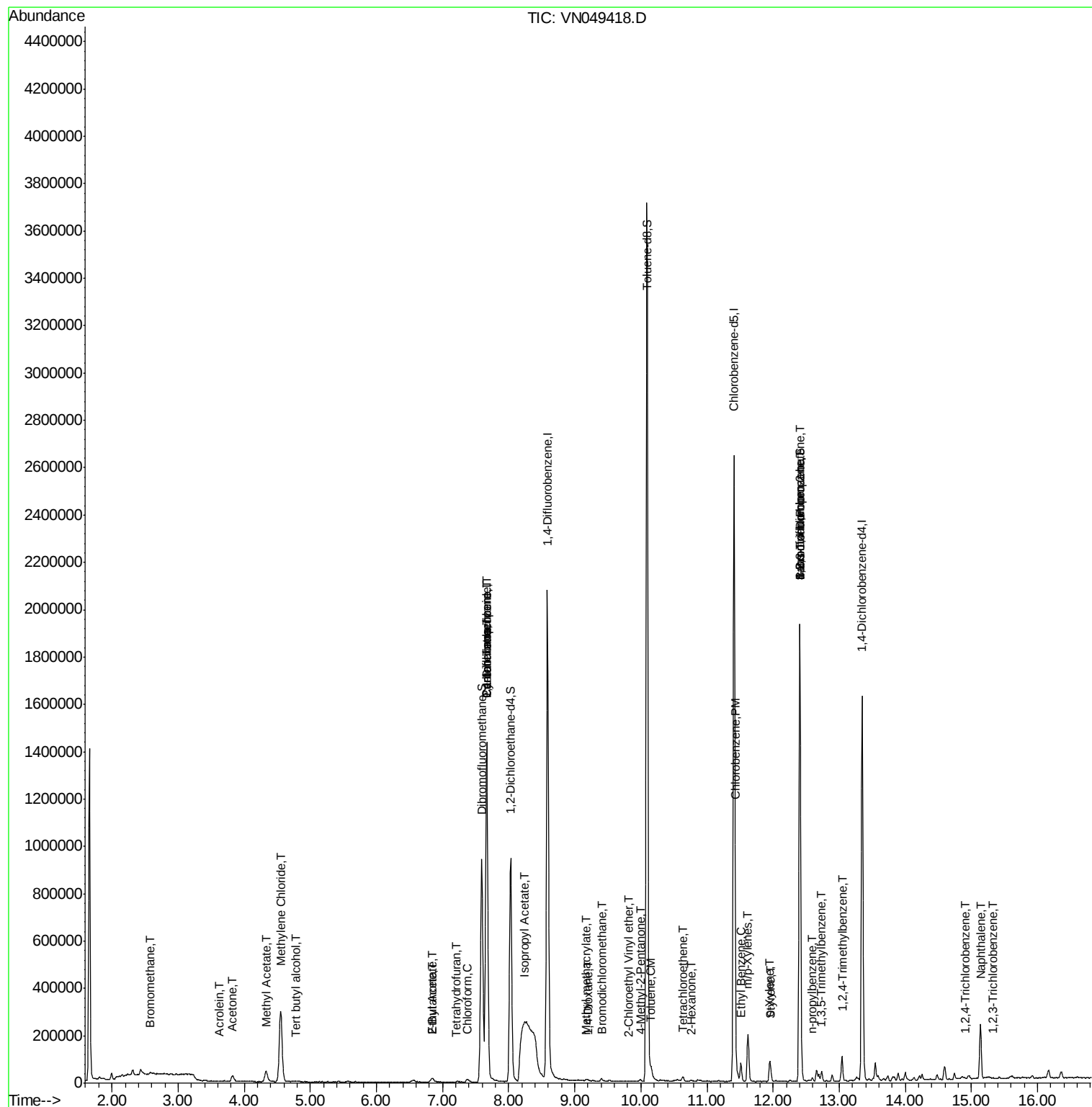
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.89	117	2278	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.90	180	734	4.82	ug/l #	50
95) Naphthalene	15.14	128	204369	16.98	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	541	3.52	ug/l #	36

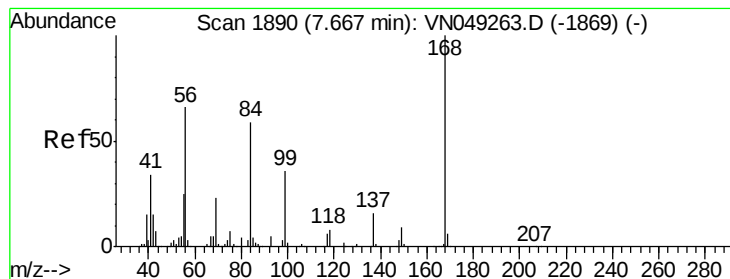
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061918\
Data File : VN049418.D
Acq On : 20 Jun 2018 6:12
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

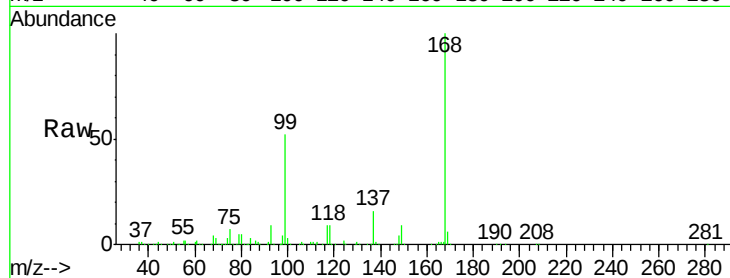
ClientSampleId :

Tot Ion:168 Resp: 1240619

Ion Ratio Lower Upper

168 100

99 51.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

0

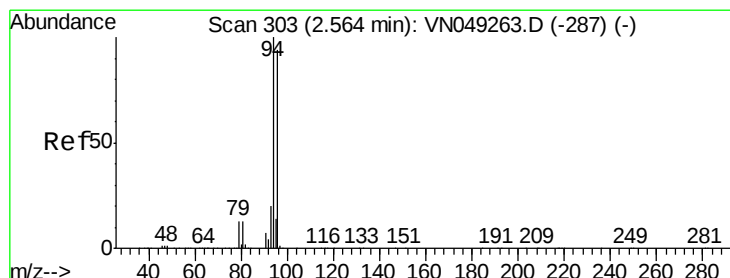
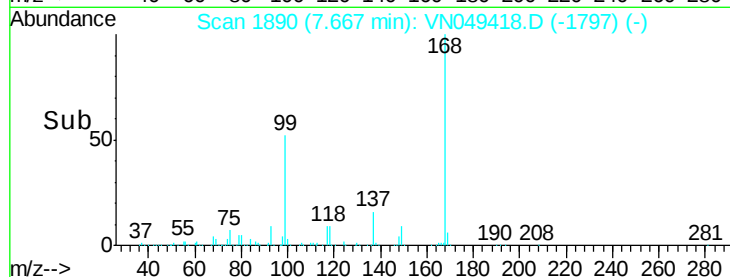
7.67

7.60

7.70

7.80

Time-->



#5

Bromomethane

Concen: 0.54 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049418.D

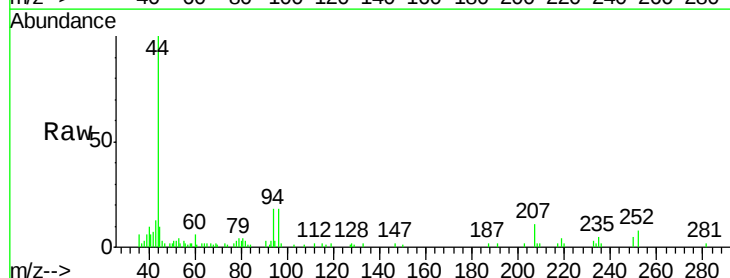
Acq: 20 Jun 2018 6:12

Tgt Ion: 94 Resp: 5570

Ion Ratio Lower Upper

94 100

96 89.5 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2500

2000

1500

1000

500

0

2.58

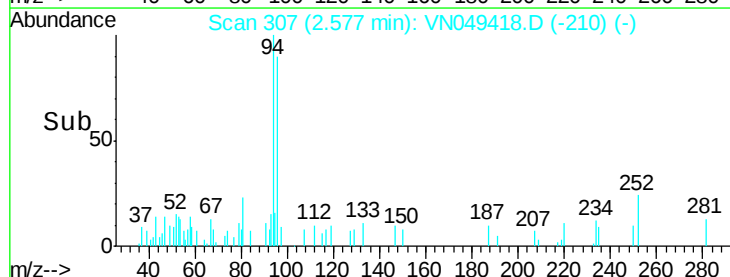
2.50

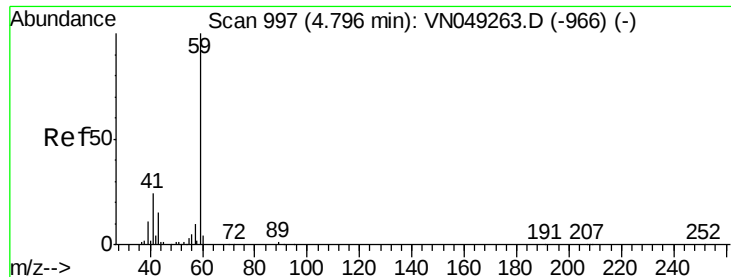
2.55

2.60

2.65

Time-->

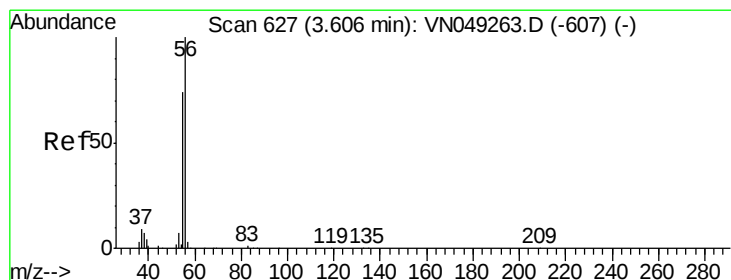
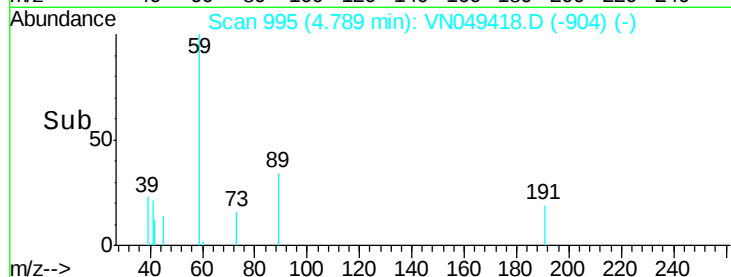
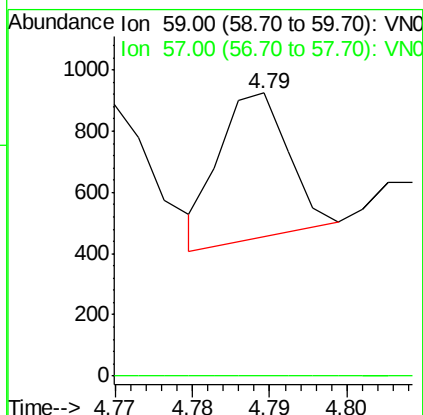
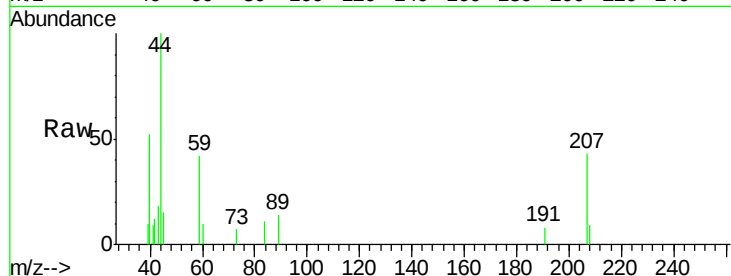




#11
Tert butyl alcohol
Concen: 0.31 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

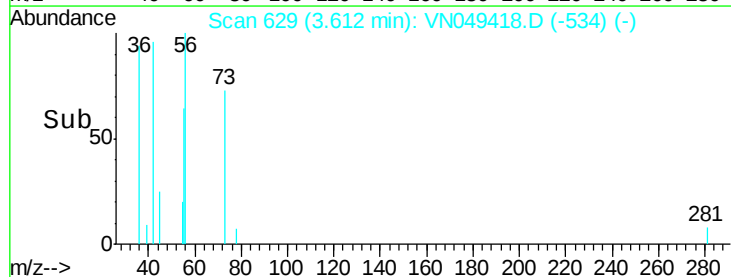
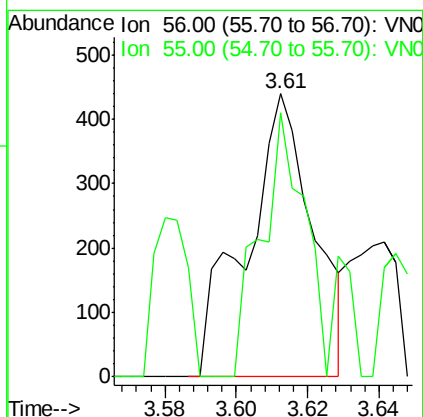
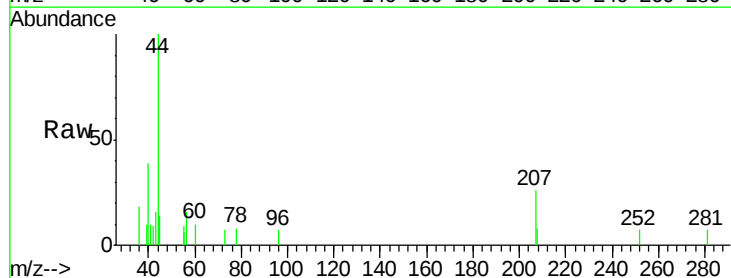
Instrument :
MSVOA_N
ClientSampled :

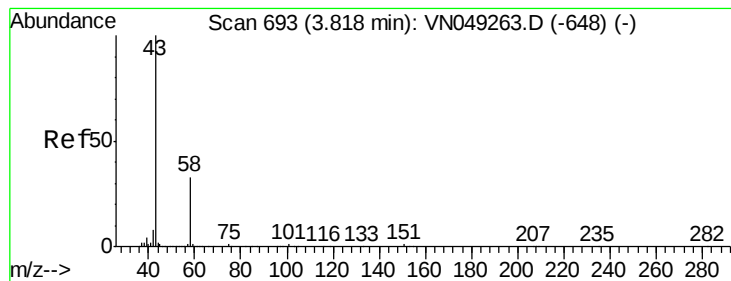
Tot Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 0.56 ug/l
RT: 3.61 min Scan# 629
Delta R.T. 0.01 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Tgt Ion: 56 Resp: 570
Ion Ratio Lower Upper
56 100
55 61.2 57.1 85.7





#16

Acetone

Concen: 11.37 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

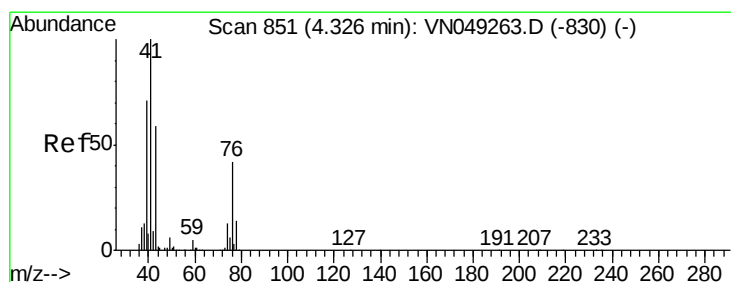
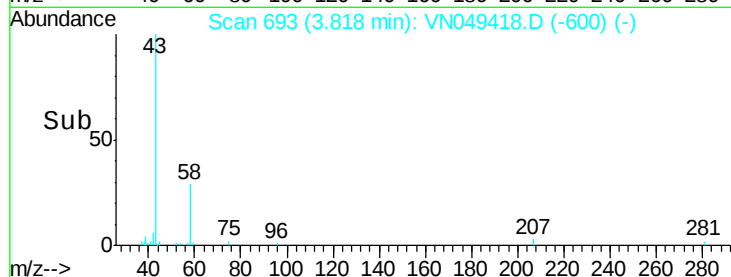
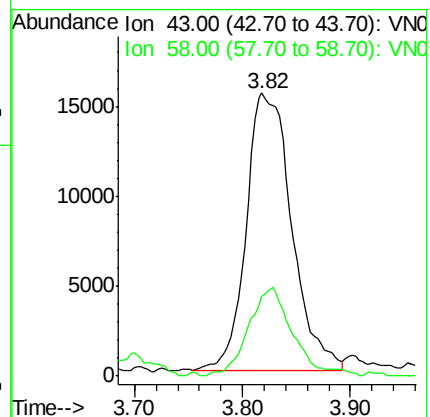
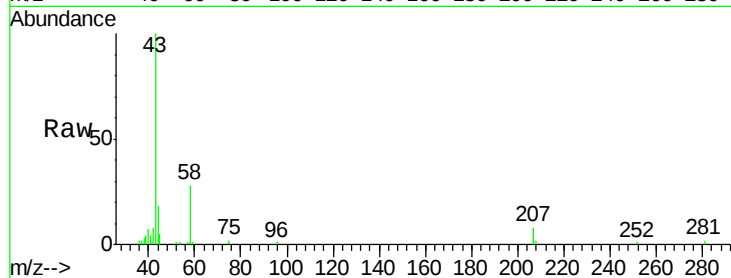
ClientSampleId :

Tot Ion: 43 Resp: 45423

Ion Ratio Lower Upper

43 100

58 27.1 22.4 33.6



#18

Methyl Acetate

Concen: 7.57 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049418.D

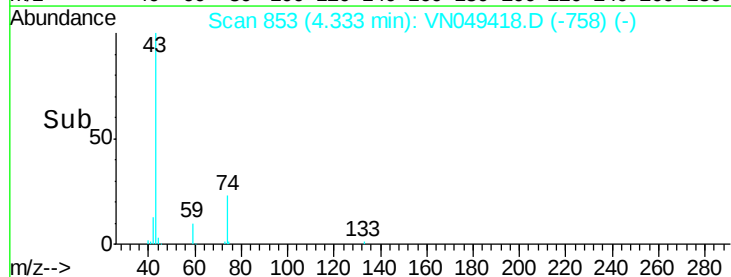
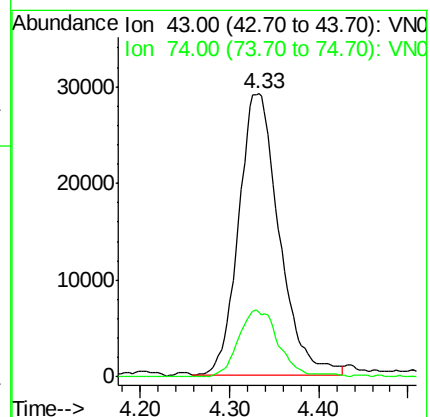
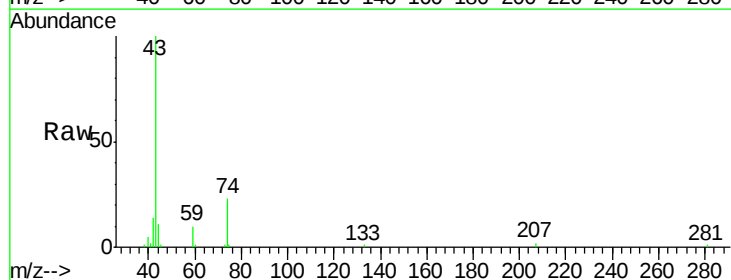
Acq: 20 Jun 2018 6:12

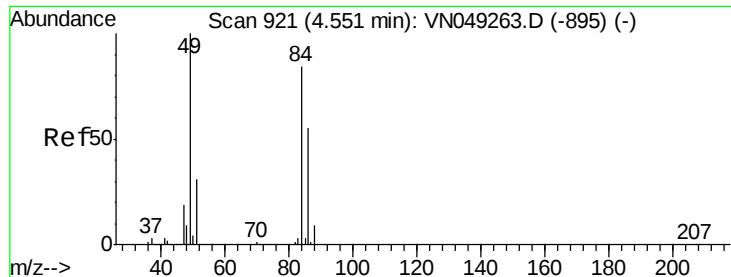
Tgt Ion: 43 Resp: 92160

Ion Ratio Lower Upper

43 100

74 23.3 17.4 26.0

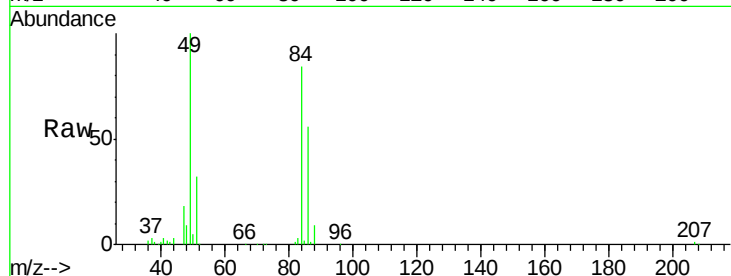




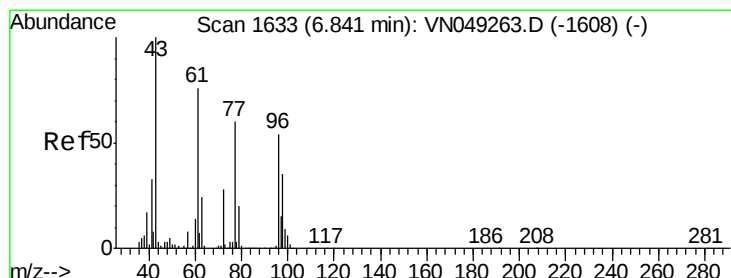
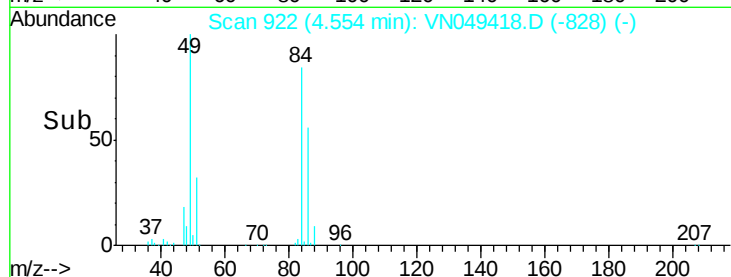
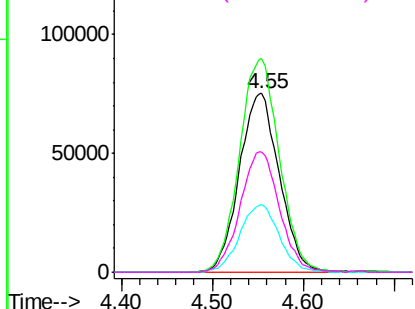
#20
Methvlene Chloride
Concen: 13.75 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 229476
Ion Ratio Lower Upper
84 100
49 119.4 106.9 160.3
51 38.1 32.7 49.1
86 67.0 49.8 74.8

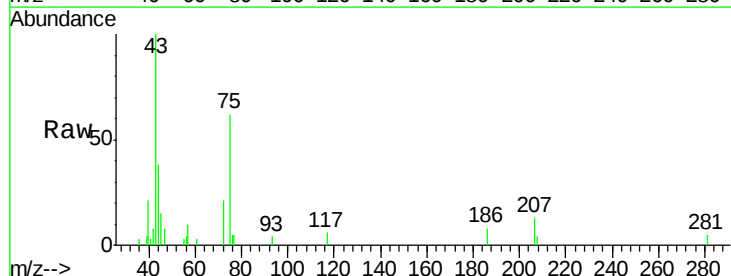


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

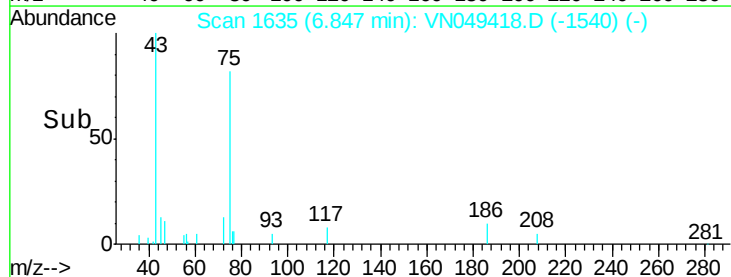
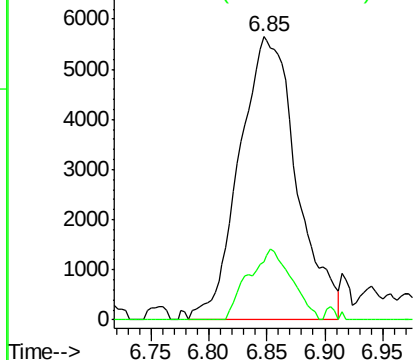


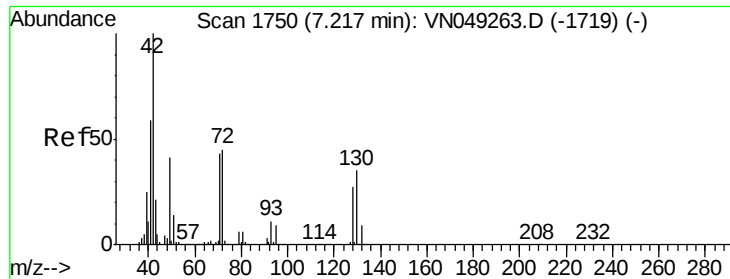
#25
2-Butanone
Concen: 3.61 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Tgt Ion: 43 Resp: 19358
Ion Ratio Lower Upper
43 100
72 20.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.01 min

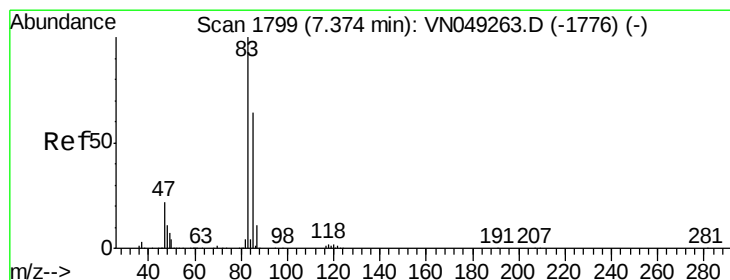
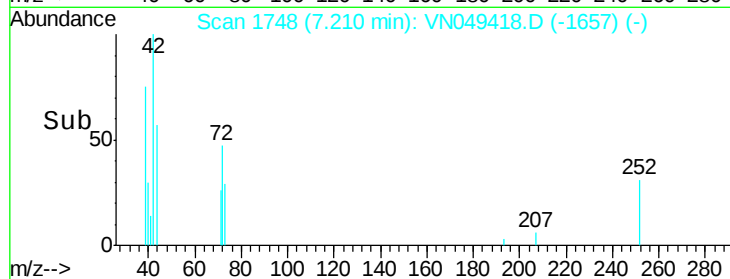
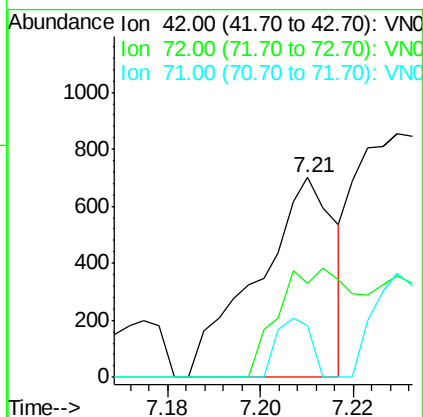
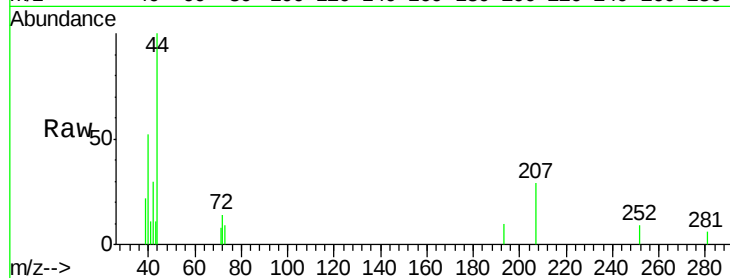
Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 811

Ion	Ratio	Lower	Upper
42	100		
72	56.6	32.2	48.4#
71	13.2	30.5	45.7#



#30

Chloroform

Concen: 0.46 ug/l

RT: 7.37 min Scan# 1798

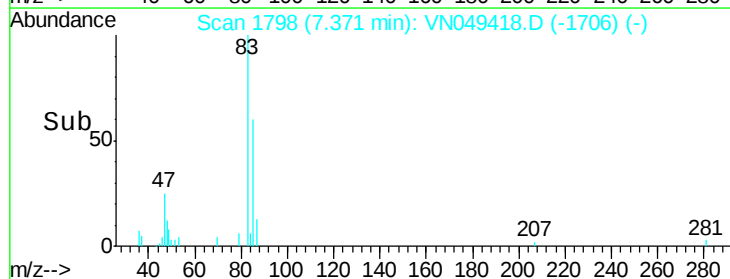
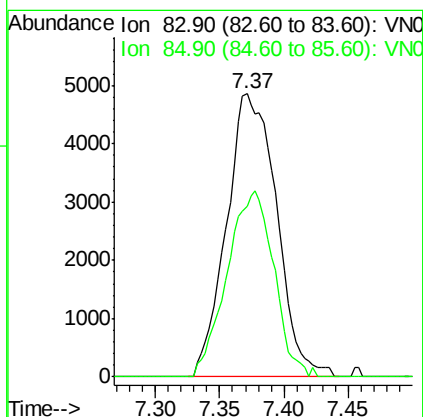
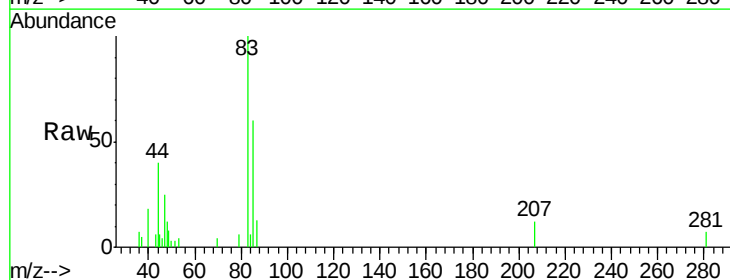
Delta R.T. -0.00 min

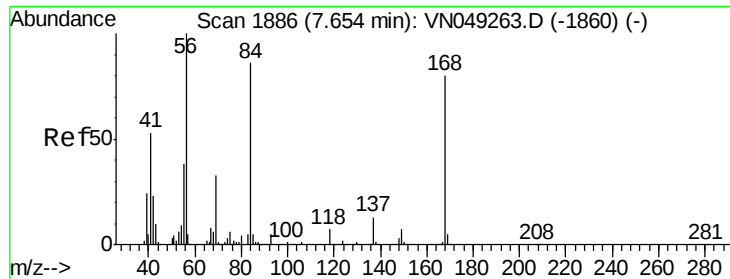
Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Tgt Ion: 83 Resp: 13122

Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.7	77.5

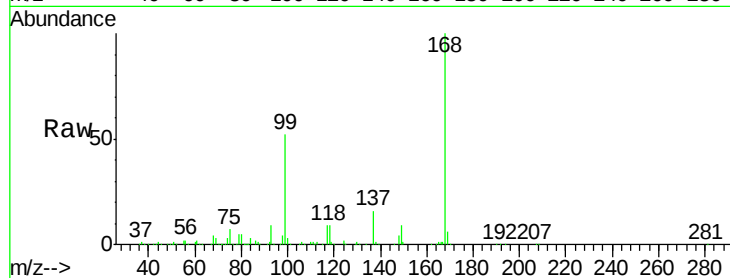




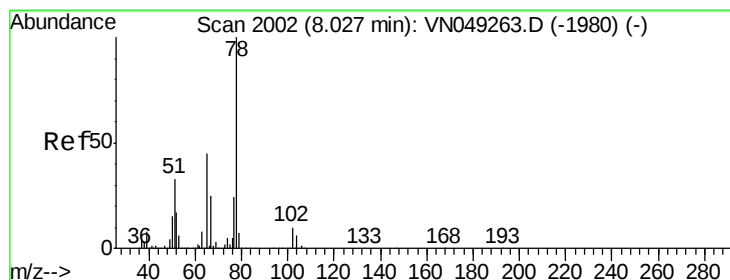
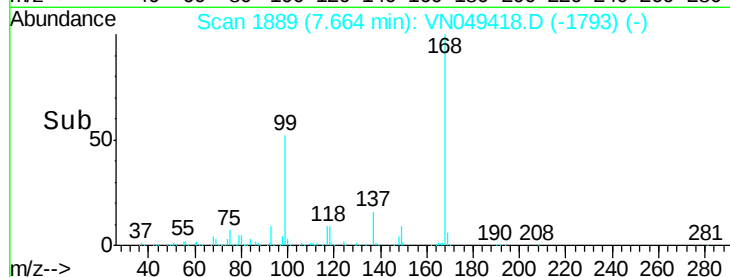
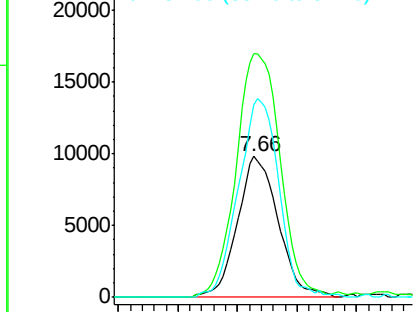
#31
Cyclohexane
Concen: 0.78 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 23292
Ion Ratio Lower Upper
56 100
69 172.6 25.0 37.4#
84 136.8 64.6 96.8#

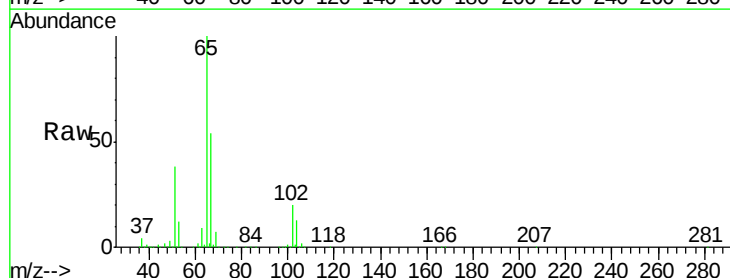


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

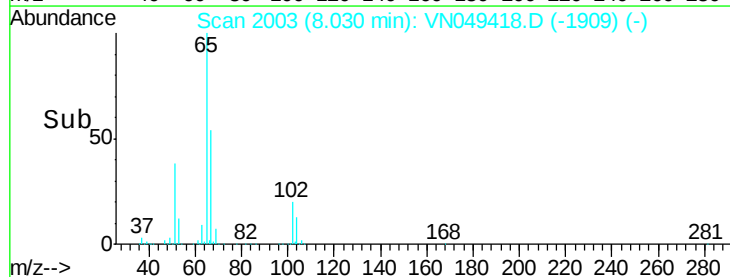
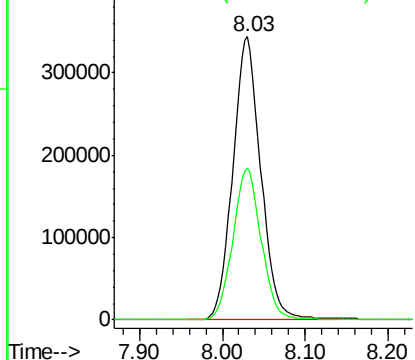


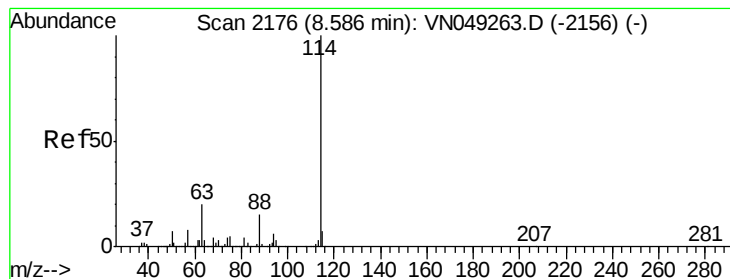
#33
1,2-Dichloroethane-d4
Concen: 49.18 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Tgt Ion: 65 Resp: 809171
Ion Ratio Lower Upper
65 100
67 54.3 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: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

ClientSampleId :

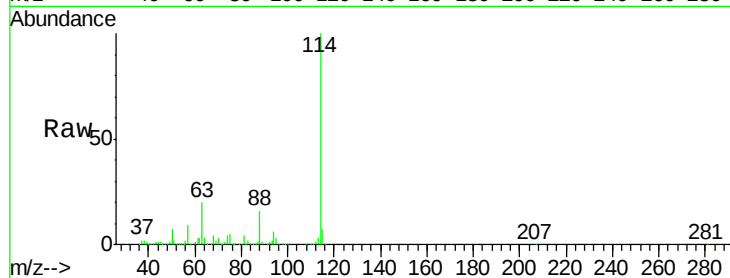
Tot Ion:114 Resp: 1964544

Ion Ratio Lower Upper

114 100

63 19.8 0.0 44.4

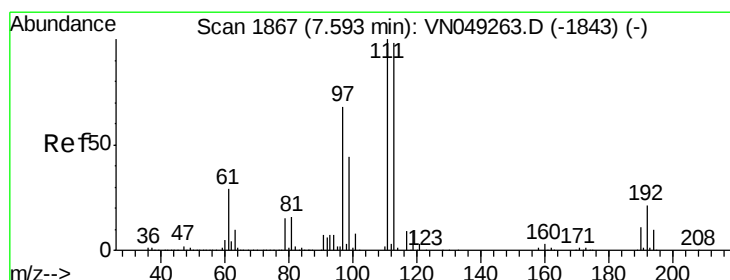
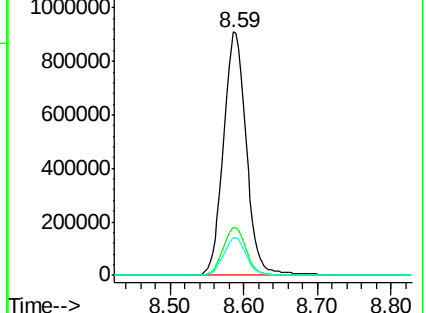
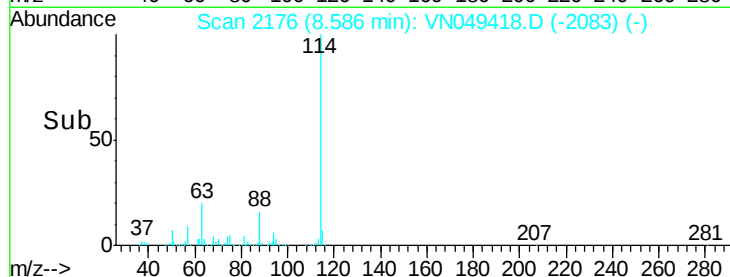
88 15.5 0.0 31.4



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: 46.01 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

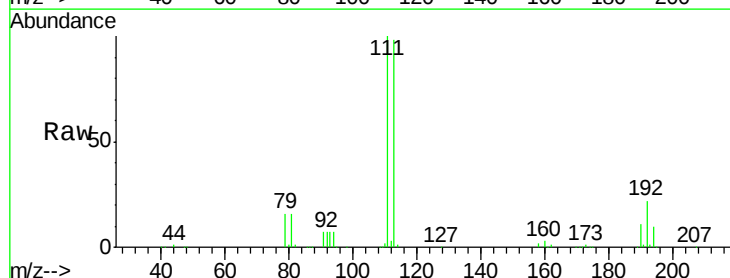
Tgt Ion:113 Resp: 731259

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

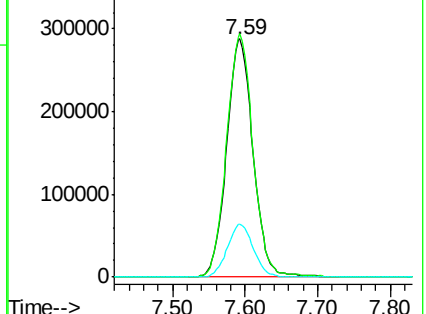
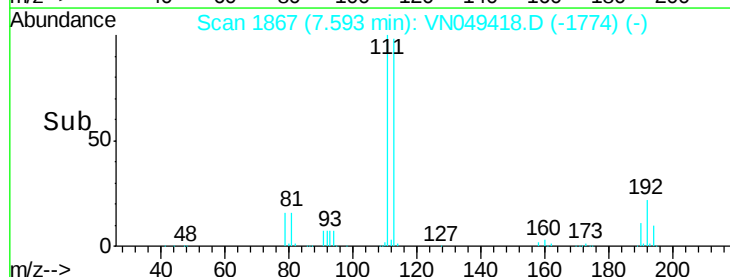
192 22.0 15.0 22.6

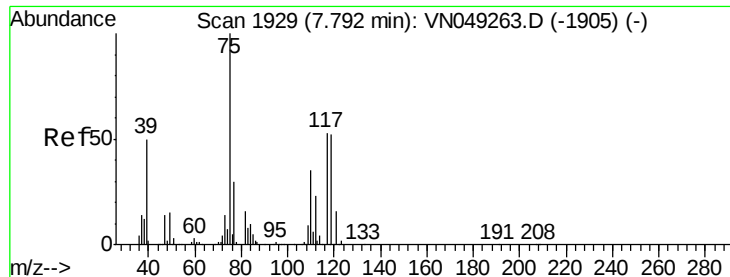


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.87 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :
MSVOA_N
ClientSampled :

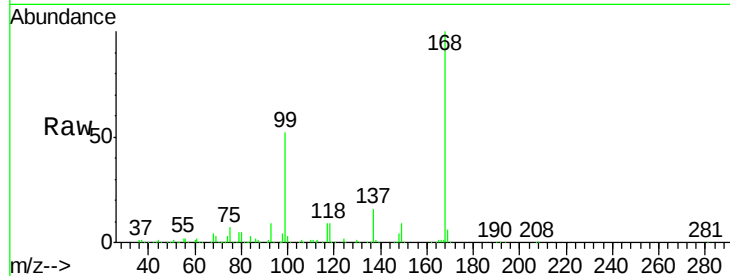
Tot Ion: 75 Resp: 87189

Ion Ratio Lower Upper

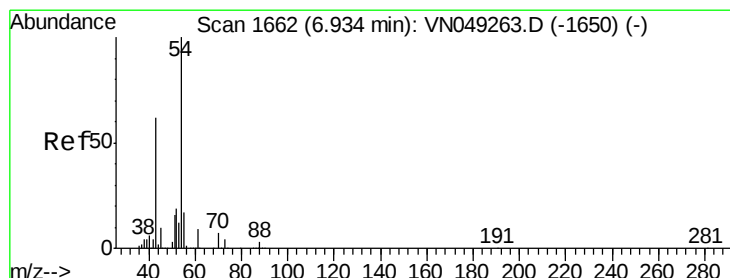
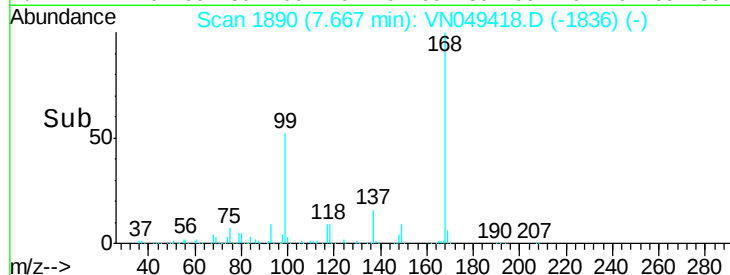
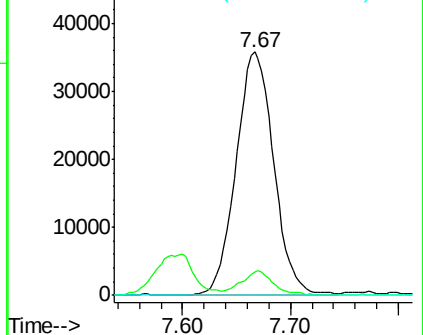
75 100

110 8.4 17.0 50.9#

77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): VN0
Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 1.58 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. -0.09 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

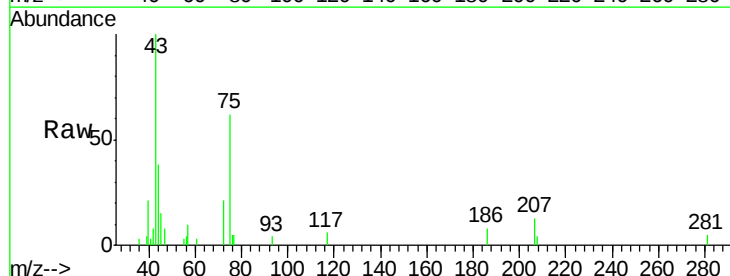
Tgt Ion: 43 Resp: 19358

Ion Ratio Lower Upper

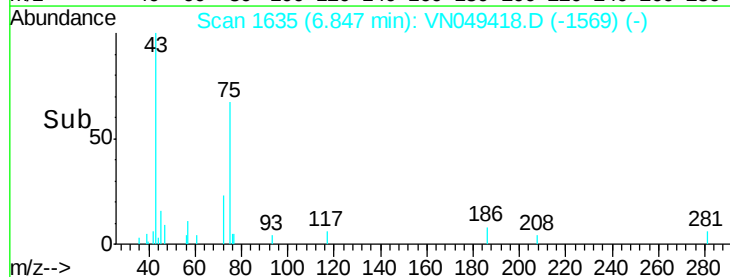
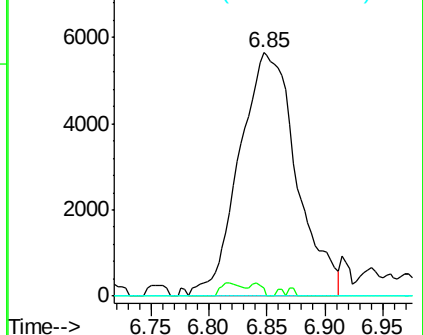
43 100

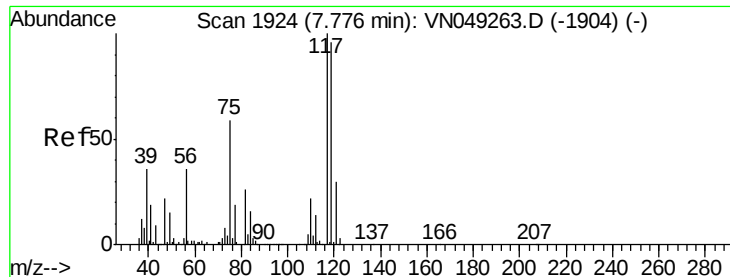
61 1.2 11.0 16.4#

70 0.0 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 4.75 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

ClientSampleId :

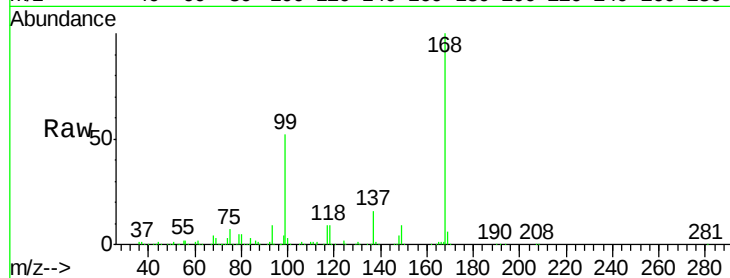
Tot Ion:117 Resp: 110640

Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

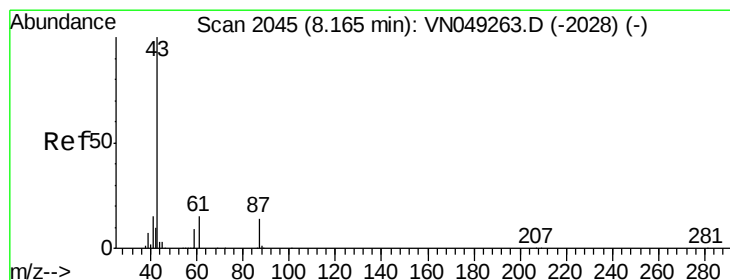
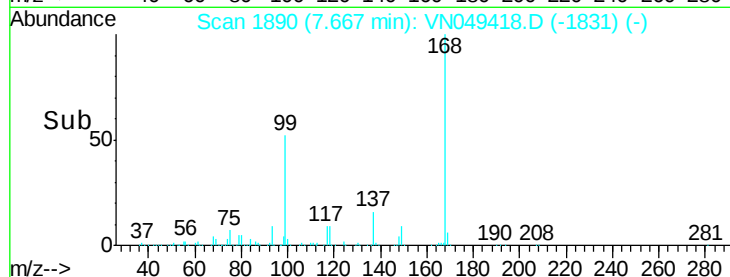
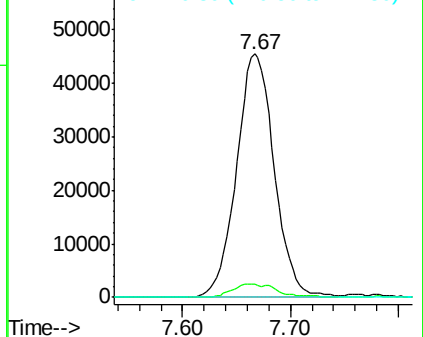
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 16.64 ug/l

RT: 8.24 min Scan# 2069

Delta R.T. 0.08 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

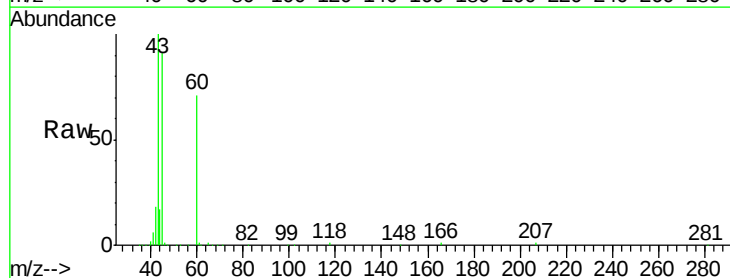
Tgt Ion: 43 Resp: 389242

Ion Ratio Lower Upper

43 100

61 0.5 14.2 21.4#

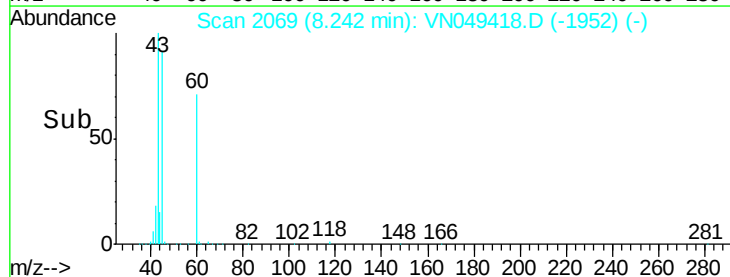
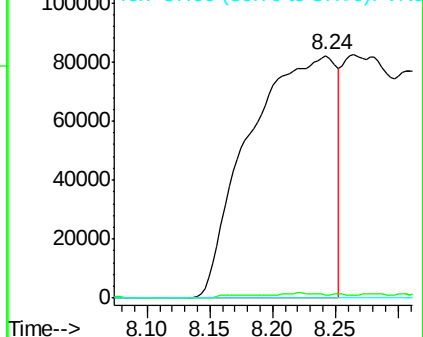
87 0.0 9.4 14.0#

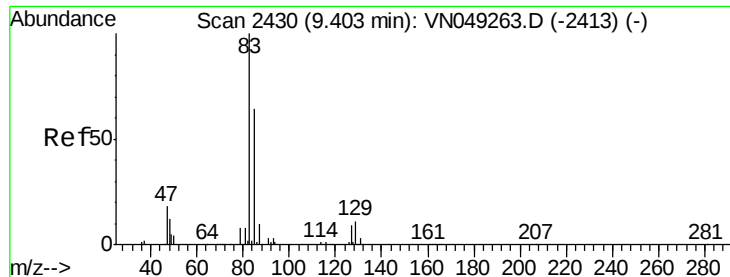


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.28 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :
MSVOA_N
ClientSampleId :

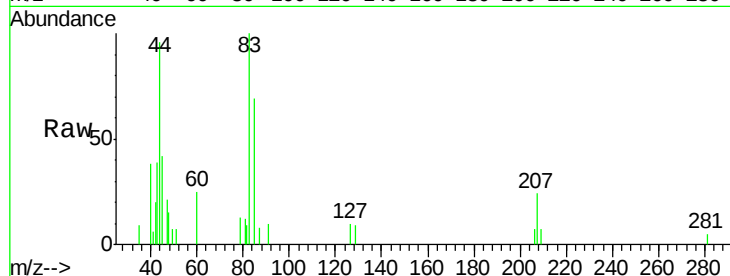
Tot Ion: 83 Resp: 6369

Ion Ratio Lower Upper

83 100

85 69.3 49.4 74.0

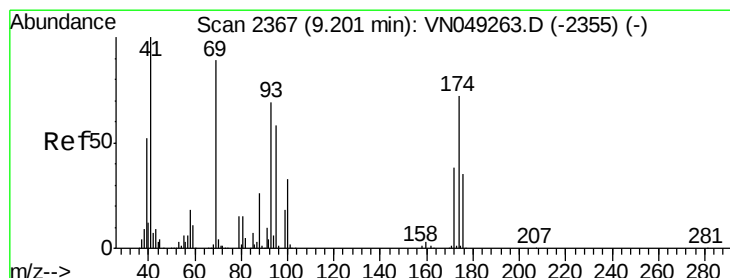
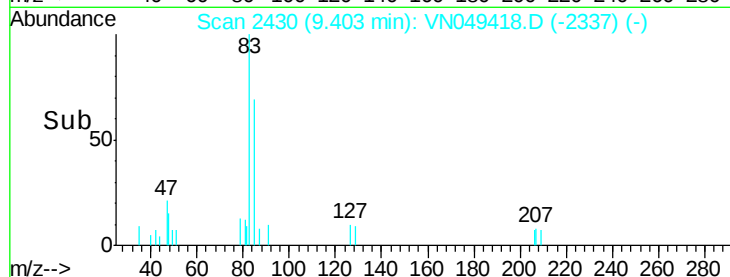
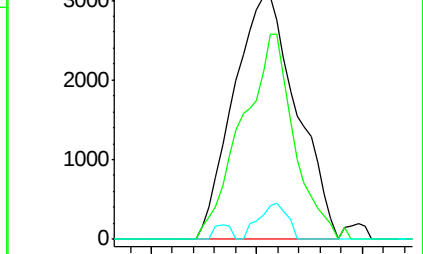
127 10.3 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN049418.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049418.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049418.D (-2337) (-)



#48

Methyl methacrylate

Concen: 0.20 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. -0.04 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

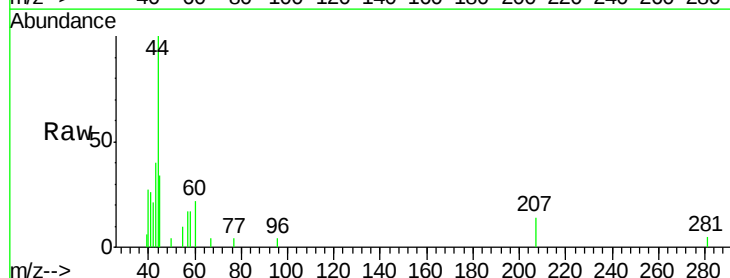
Tgt Ion: 41 Resp: 2215

Ion Ratio Lower Upper

41 100

69 0.0 62.0 93.0#

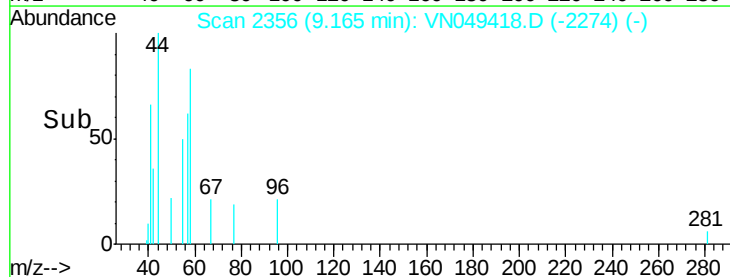
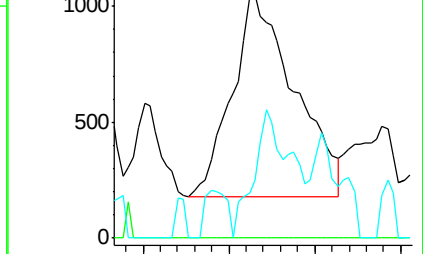
39 36.9 50.6 75.8#

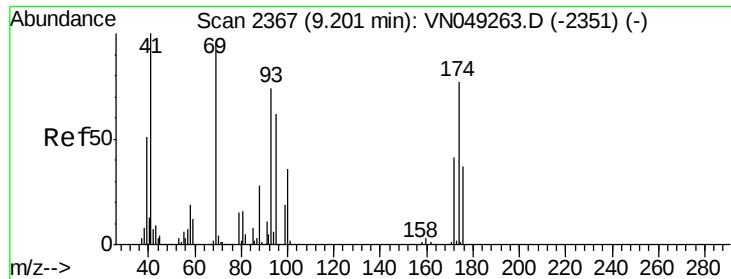


Abundance Ion 41.00 (40.70 to 41.70): VN049418.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049418.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049418.D (-2274) (-)

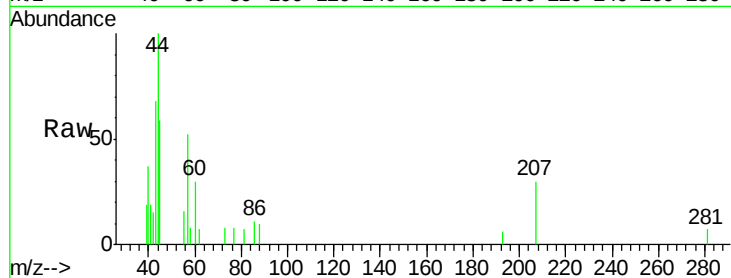




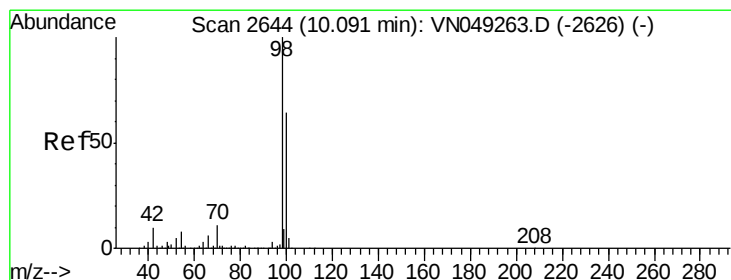
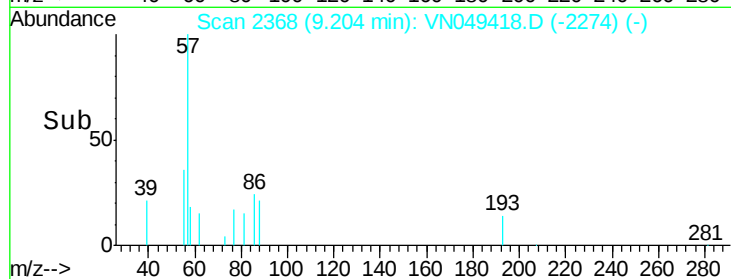
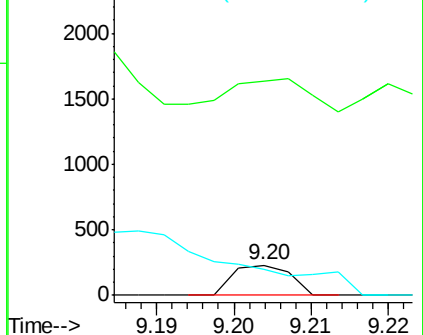
#49
1,4-Dioxane
Concen: 0.78 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 179.8 30.9 46.3#
58 0.0 58.9 88.3#

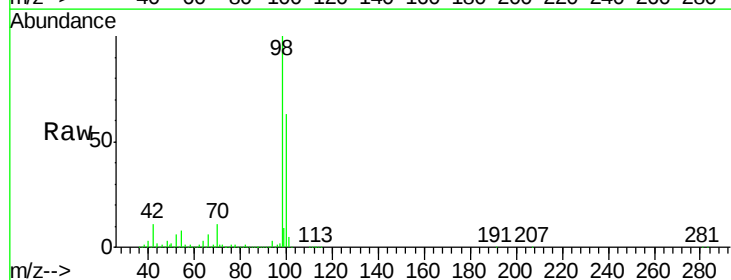


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

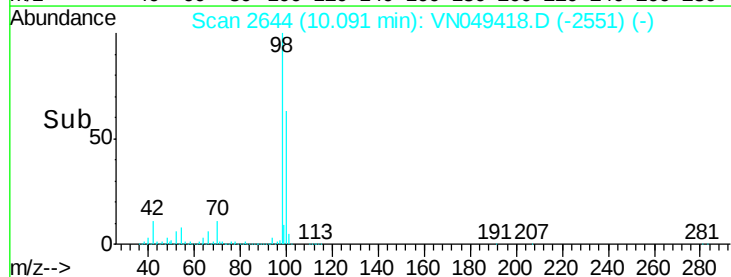
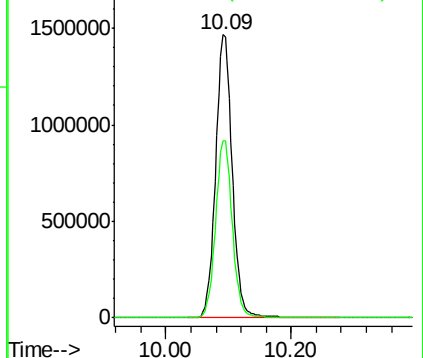


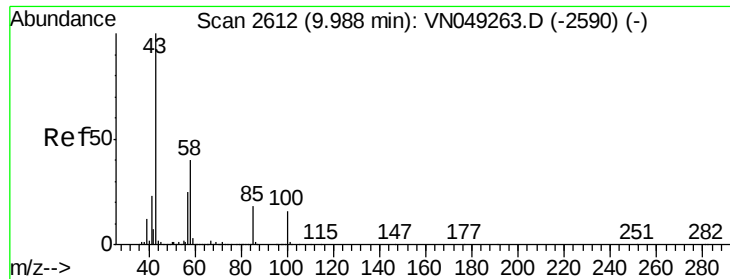
#50
Toluene-d8
Concen: 44.51 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Tgt Ion: 98 Resp: 2693695
Ion Ratio Lower Upper
98 100
100 62.9 49.8 74.8



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

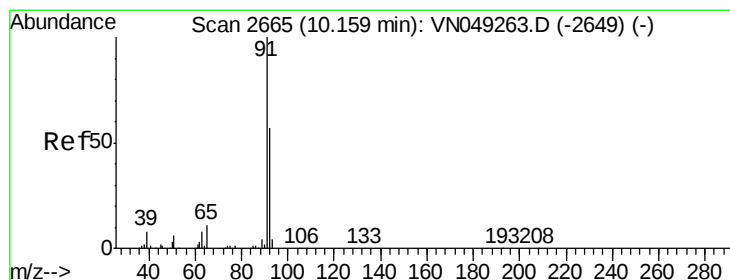
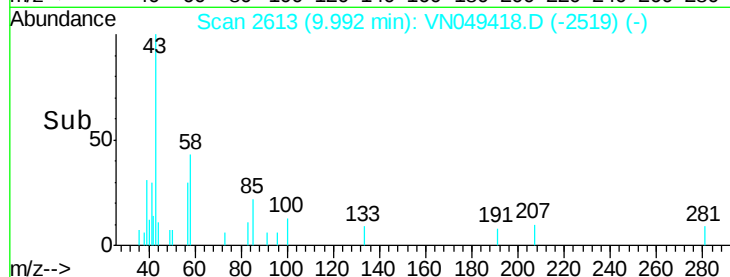
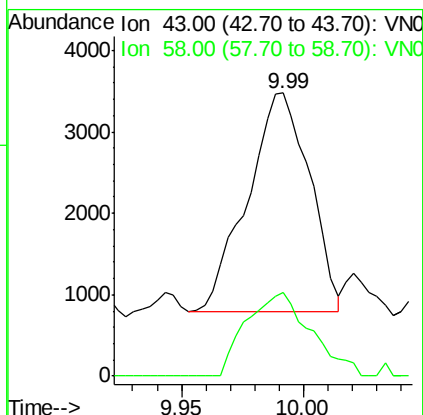
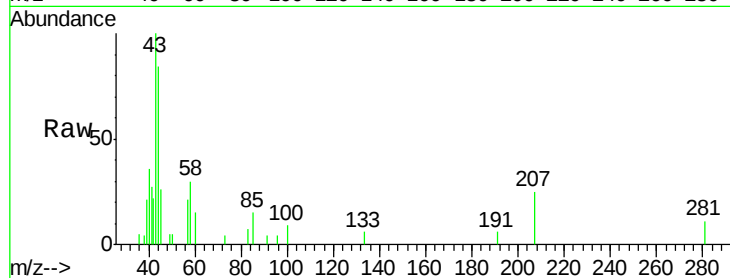




#51
4-Methyl-2-Pentanone
Concen: 0.39 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

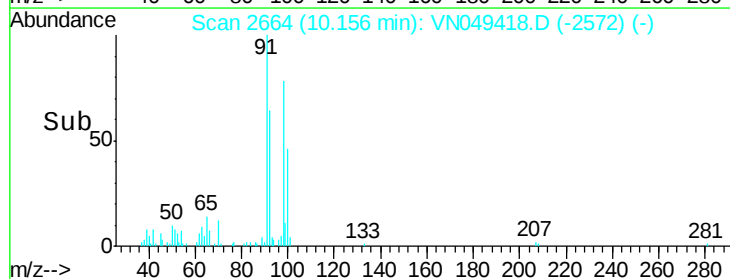
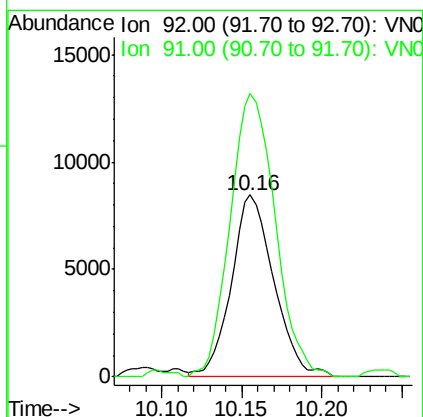
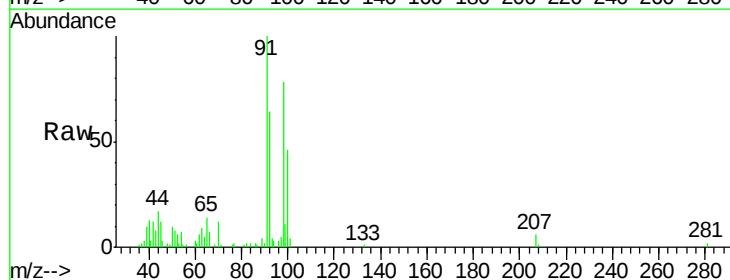
Instrument :
MSVOA_N
ClientSampled :

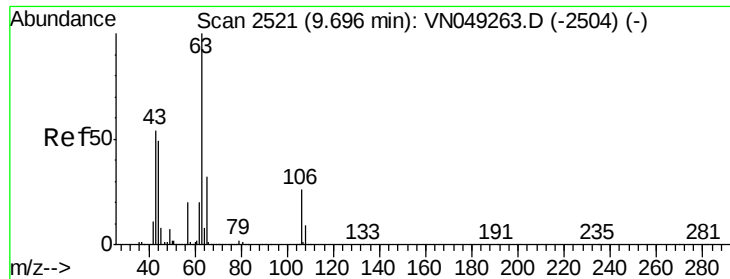
Tot Ion: 43 Resp: 4755
Ion Ratio Lower Upper
43 100
58 39.6 29.0 43.6



#52
Toluene
Concen: 0.38 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Tgt Ion: 92 Resp: 15372
Ion Ratio Lower Upper
92 100
91 165.0 143.4 215.2





#58

2-Chloroethyl Vinyl ether

Concen: 14.33 ug/l

RT: 9.81 min Scan# 2555

Delta R.T. 0.11 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

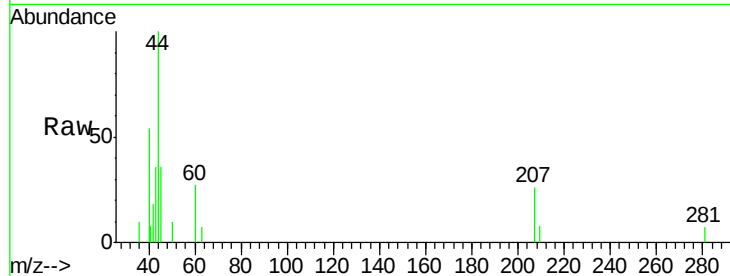
ClientSampled :

Tot Ion: 63 Resp: 30

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049418.D (-2427) (-)

Ion 105.90 (105.60 to 106.60): VN049418.D (-2427) (-)

9.81

150

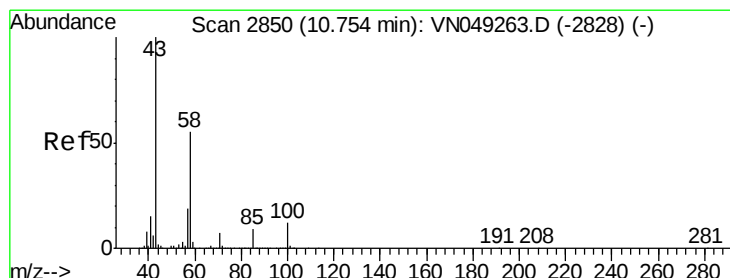
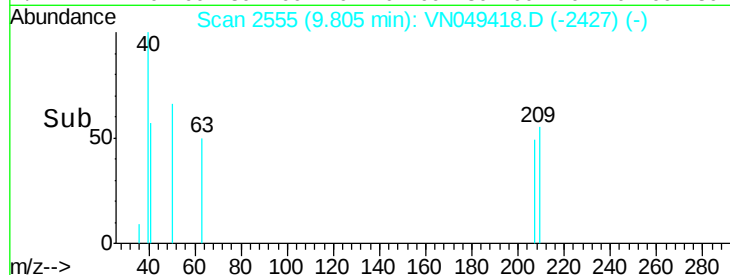
100

50

0

9.79 9.80 9.81 9.81

Time-->



#59

2-Hexanone

Concen: 0.59 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN049418.D

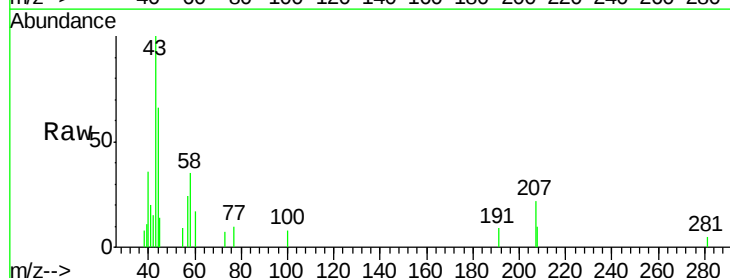
Acq: 20 Jun 2018 6:12

Tgt Ion: 43 Resp: 4685

Ion Ratio Lower Upper

43 100

58 40.0 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN049418.D (-2757) (-)

Ion 58.00 (57.70 to 58.70): VN049418.D (-2757) (-)

10.76

3000

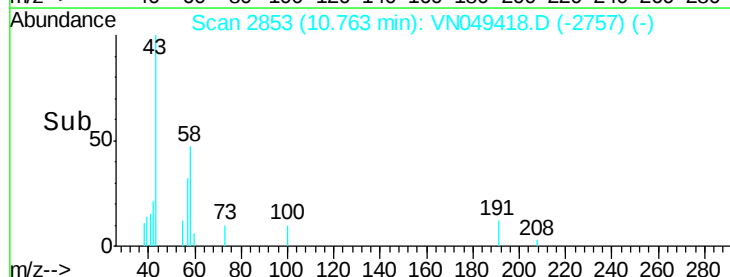
2000

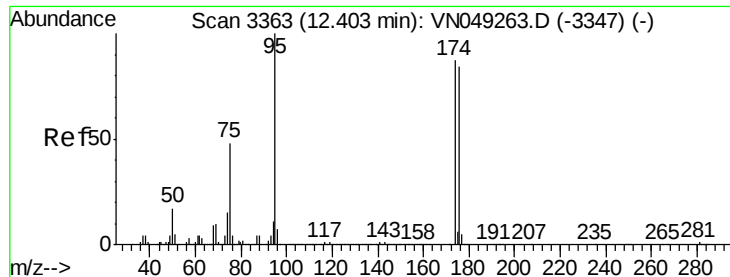
1000

0

10.70 10.75 10.80

Time-->

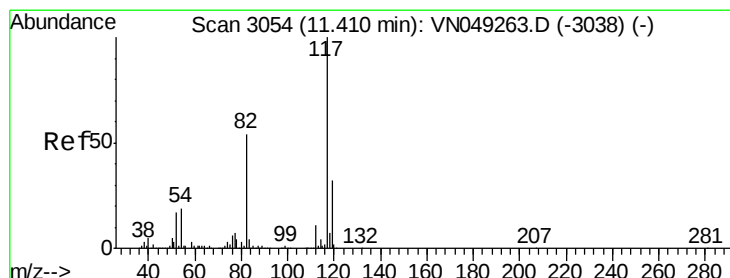
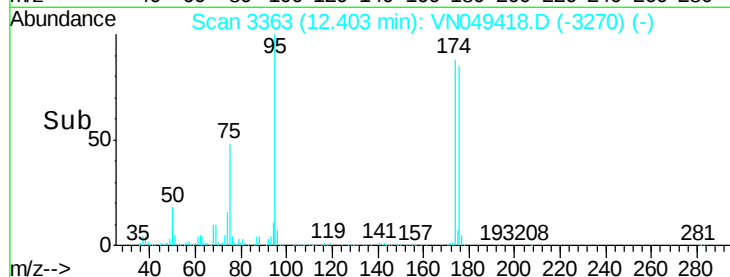
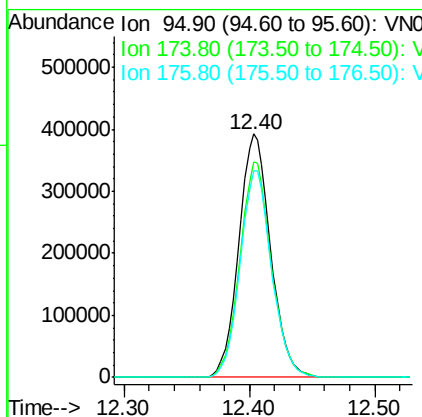
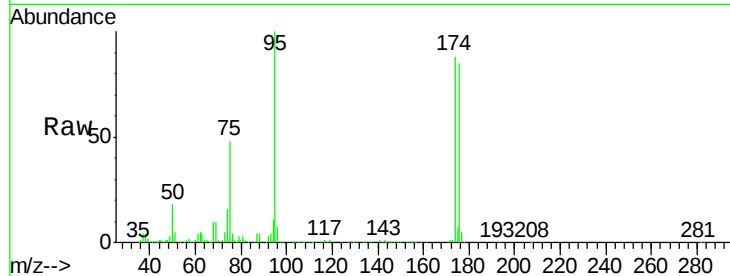




#62
4-Bromofluorobenzene
Concen: 34.42 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

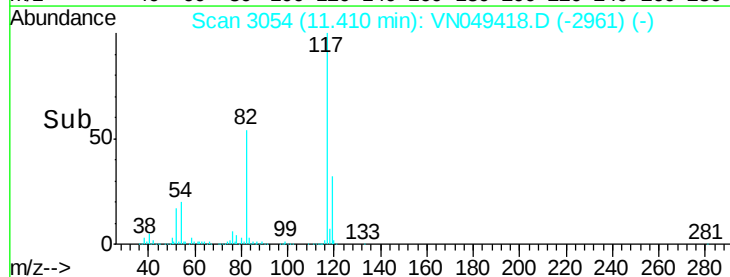
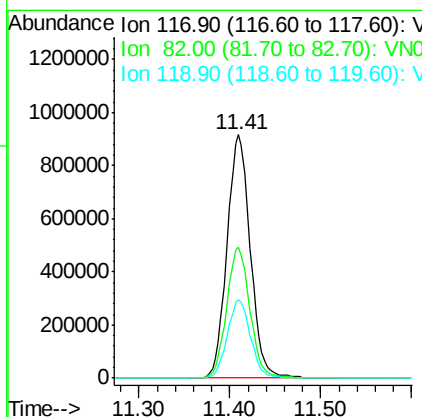
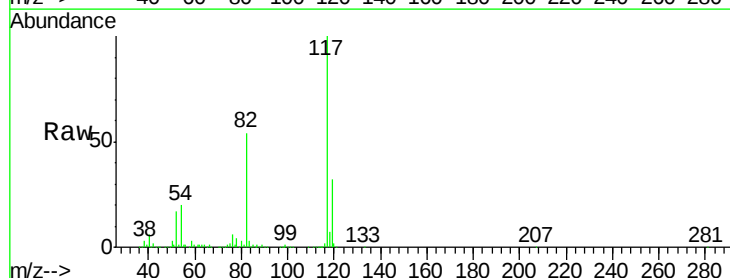
Instrument :
MSVOA_N
ClientSampleId :

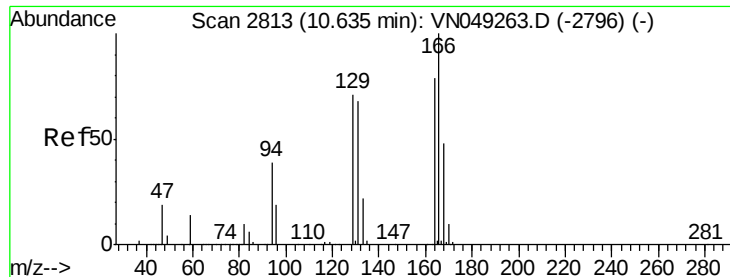
Tot Ion: 95 Resp: 688755
Ion Ratio Lower Upper
95 100
174 88.4 0.0 165.6
176 84.3 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Tgt Ion: 117 Resp: 1626354
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 32.5 25.5 38.3

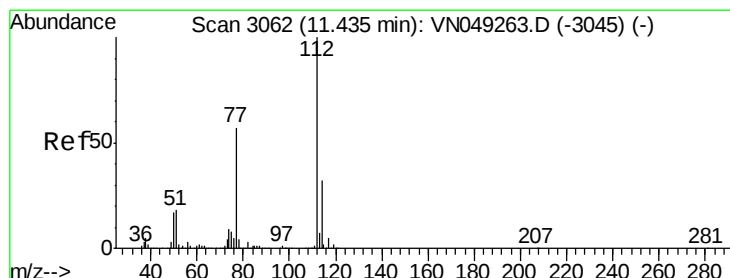
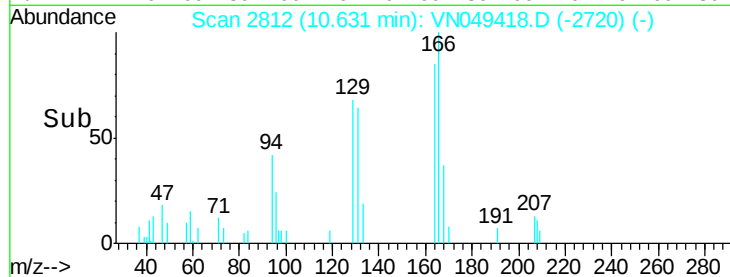
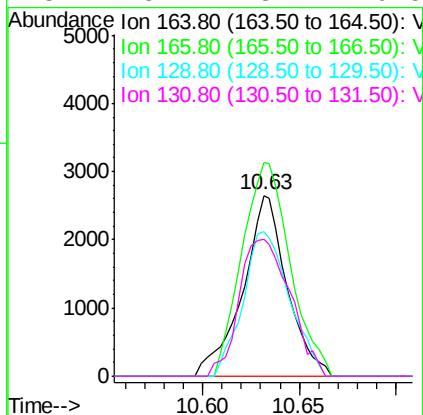
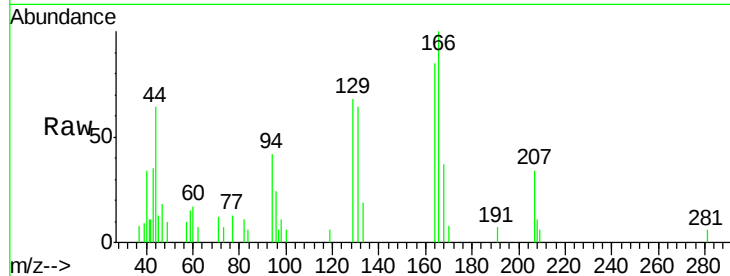




#64
Tetrachloroethene
Concen: 0.25 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

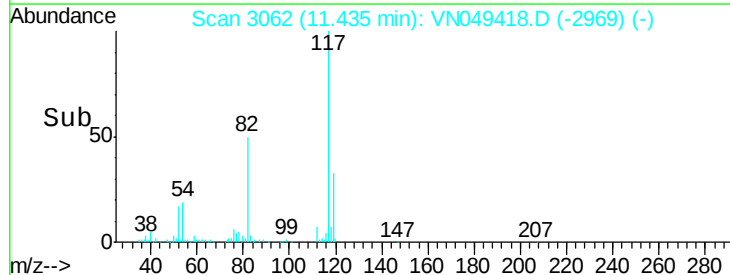
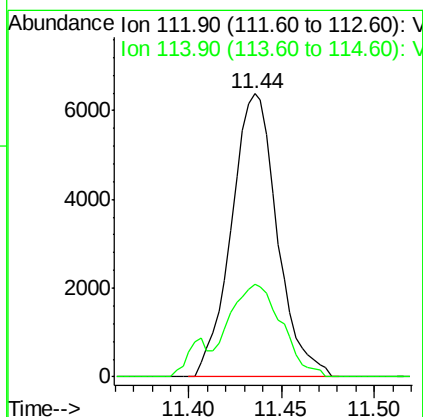
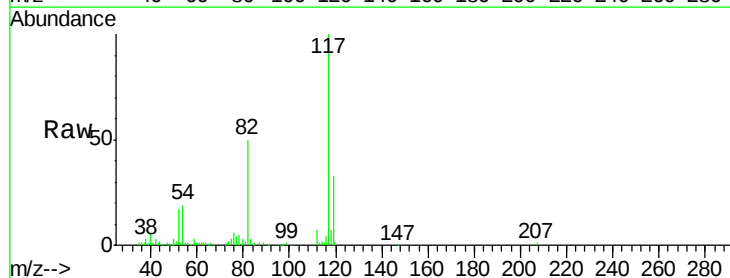
Instrument :
MSVOA_N
ClientSampleId :

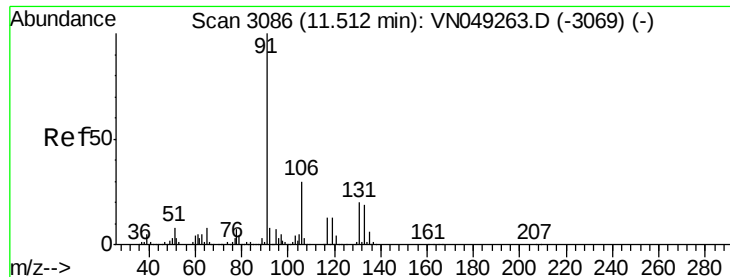
Tot Ion:164 Resp: 4214
Ion Ratio Lower Upper
164 100
166 118.2 101.4 152.2
129 80.3 74.1 111.1
131 75.7 73.7 110.5



#65
Chlorobenzene
Concen: 0.26 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Tgt Ion:112 Resp: 10990
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4





#67

Ethyl Benzene

Concen: 0.83 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

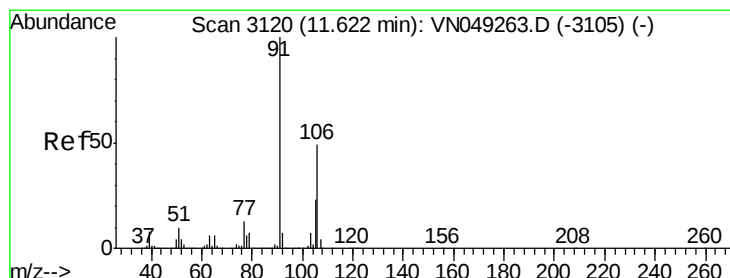
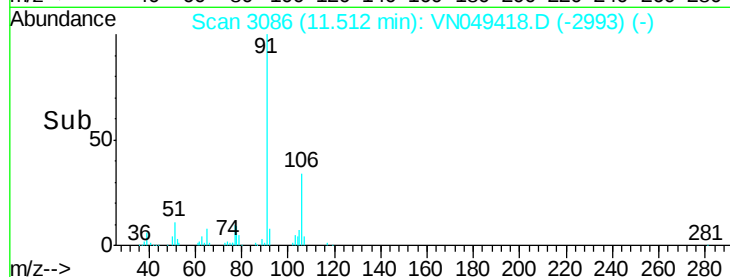
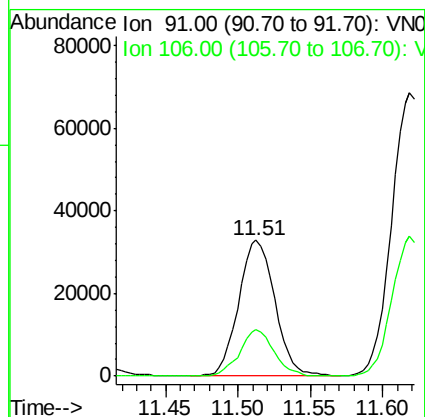
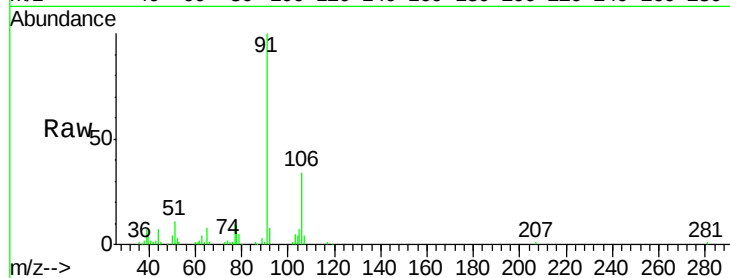
ClientSampled :

Tot Ion: 91 Resp: 57551

Ion Ratio Lower Upper

91 100

106 33.9 23.9 35.9



#68

m/p-Xylenes

Concen: 2.44 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049418.D

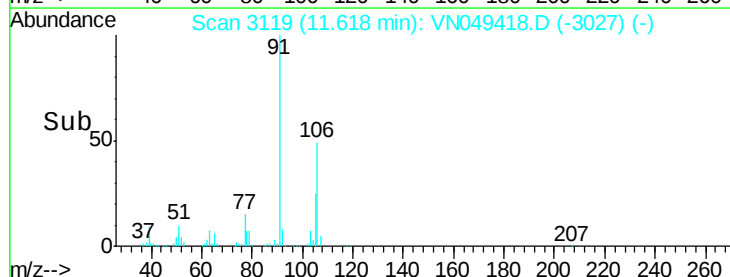
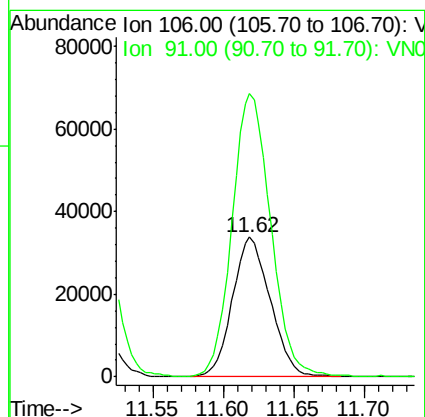
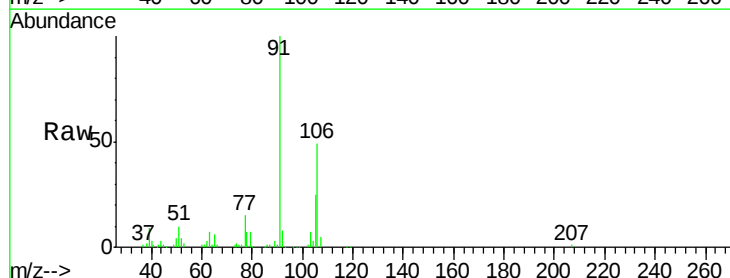
Acq: 20 Jun 2018 6:12

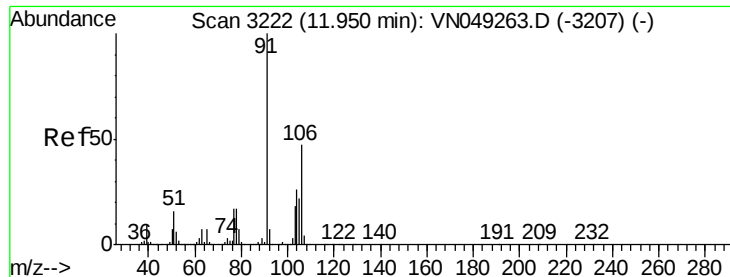
Tgt Ion: 106 Resp: 63689

Ion Ratio Lower Upper

106 100

91 207.0 167.3 250.9

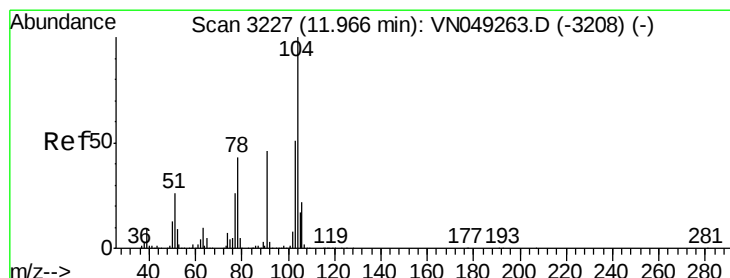
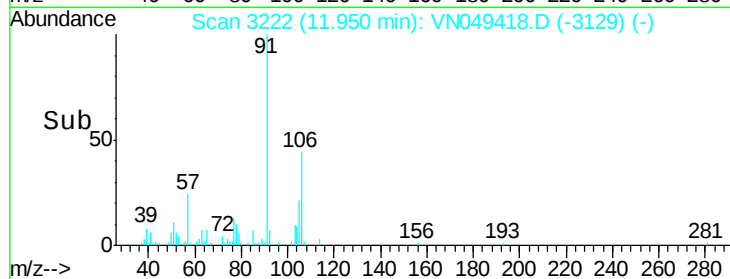
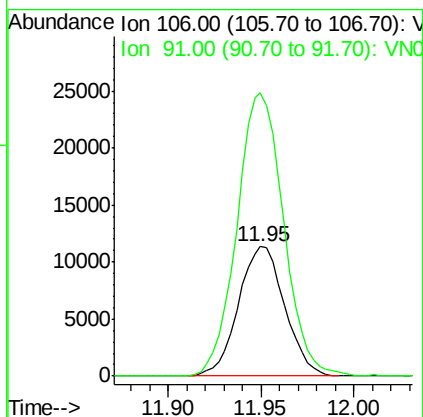
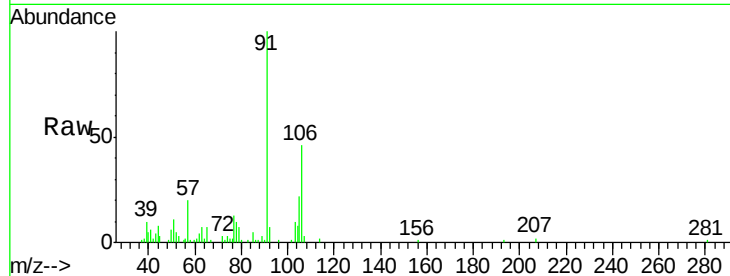




#69
o-Xylene
Concen: 0.78 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

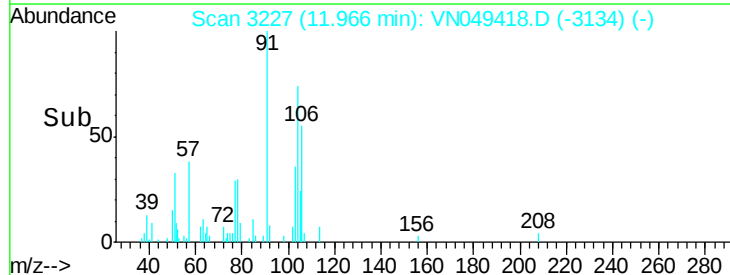
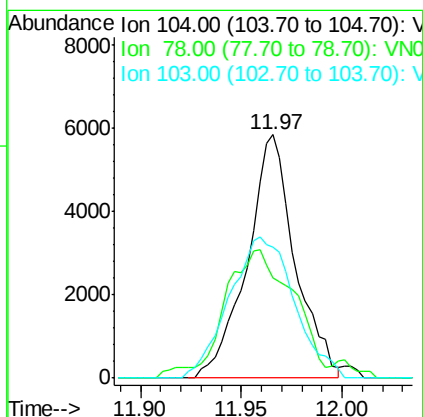
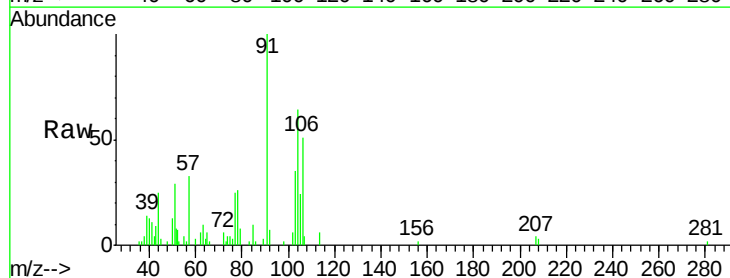
Instrument :
MSVOA_N
ClientSampled :

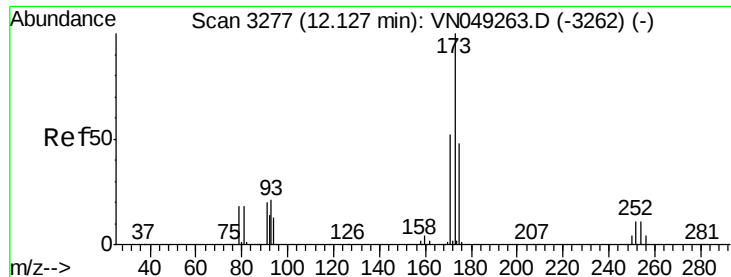
Tot Ion:106 Resp: 19660
Ion Ratio Lower Upper
106 100
91 220.9 111.0 333.0



#70
Styrene
Concen: 0.24 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049418.D
Acq: 20 Jun 2018 6:12

Tgt Ion:104 Resp: 9680
Ion Ratio Lower Upper
104 100
78 75.9 41.6 62.4#
103 78.6 45.4 68.2#





#71

Bromoform

Concen: 0.43 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

ClientSampleId :

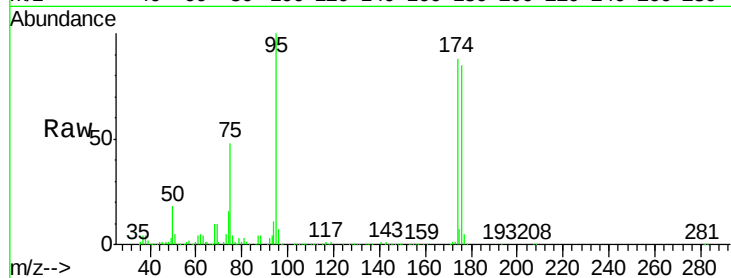
Tot Ion:173 Resp: 4345

Ion Ratio Lower Upper

173 100

175 796.3 24.5 73.5#

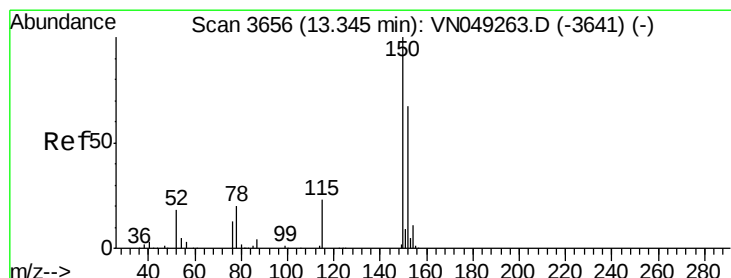
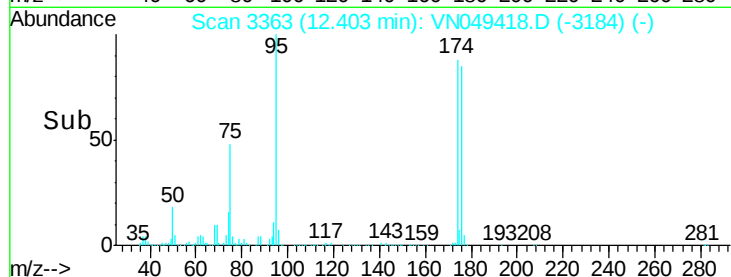
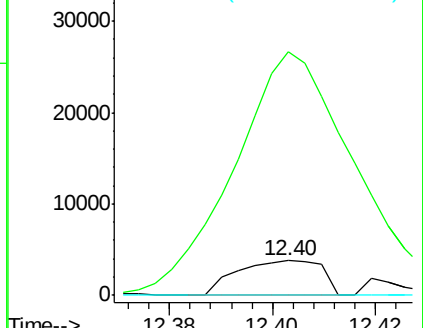
254 0.0 0.1 0.1#



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# 3657

Delta R.T. 0.00 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

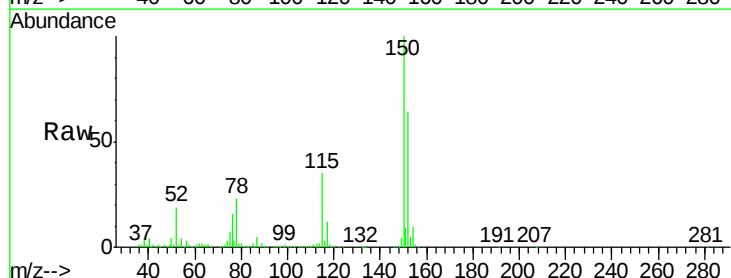
Tgt Ion:152 Resp: 473848

Ion Ratio Lower Upper

152 100

115 56.0 28.7 86.1

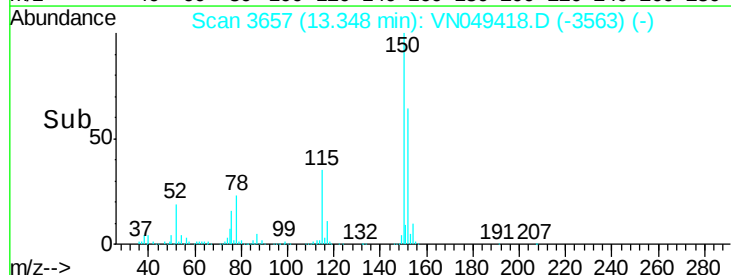
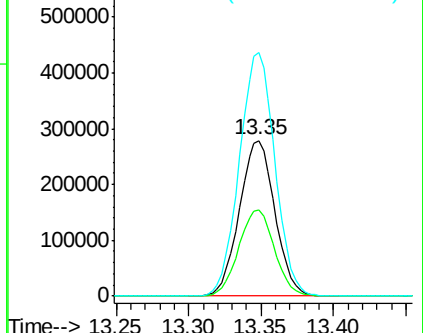
150 157.2 0.0 351.0

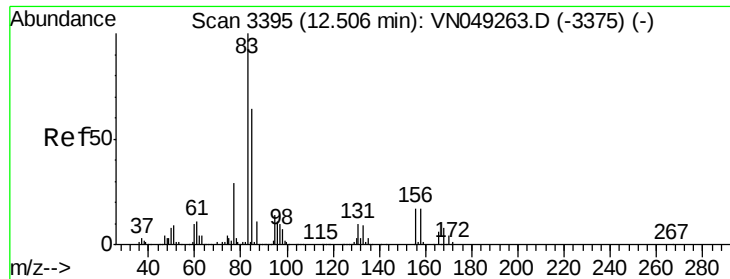


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.52 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

ClientSampled :

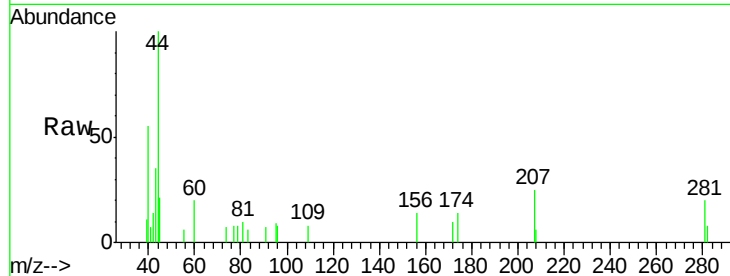
Tot Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

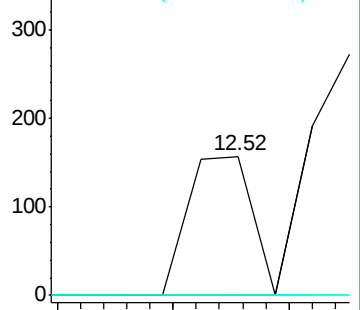
85 0.0 32.0 96.0#



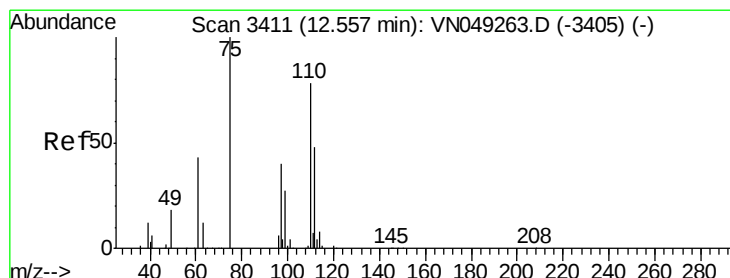
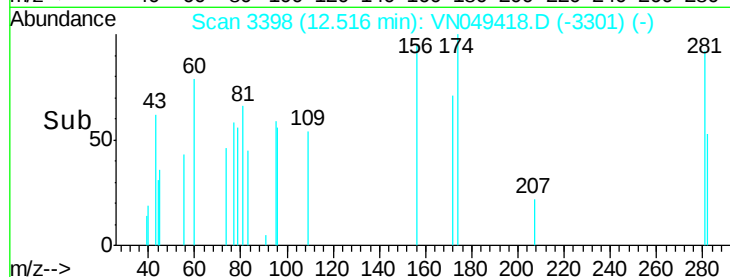
Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



Time--> 12.50 12.51 12.52



#76

1,2,3-Trichloropropane

Concen: 40.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049418.D

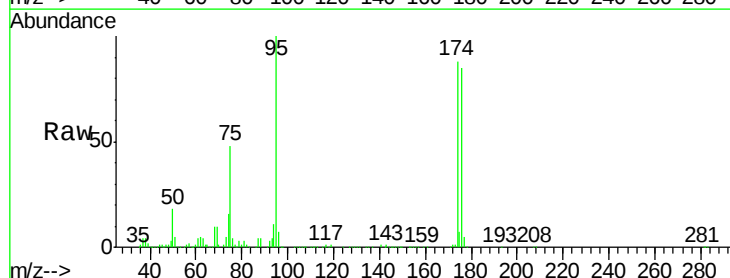
Acq: 20 Jun 2018 6:12

Tgt Ion: 75 Resp: 328209

Ion Ratio Lower Upper

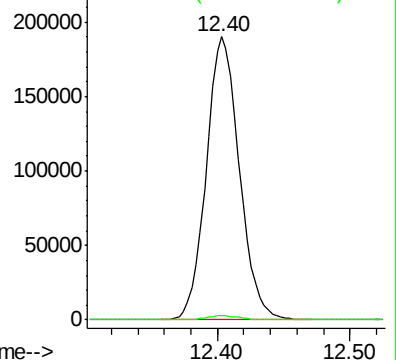
75 100

77 1.6 0.0 0.0#

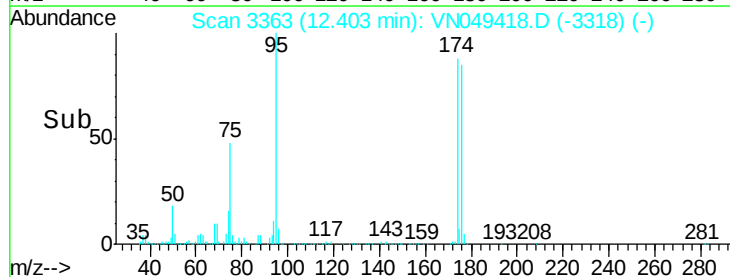


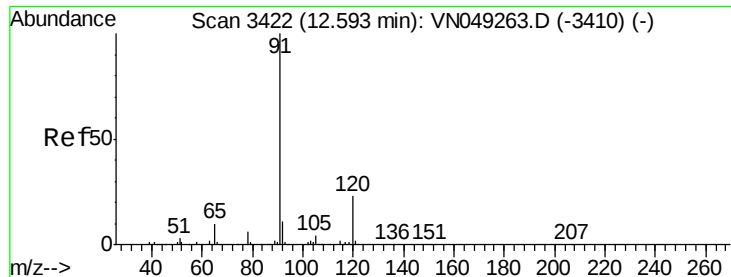
Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC



Time--> 12.40 12.50





#78

n-propylbenzene

Concen: 0.22 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

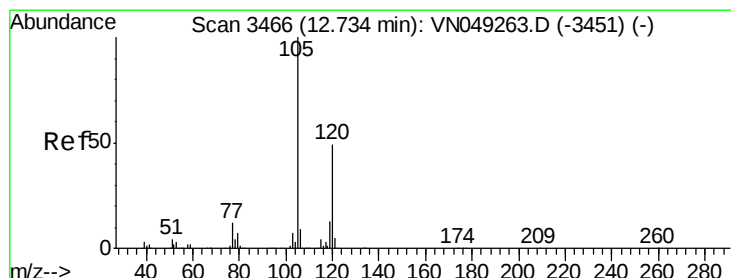
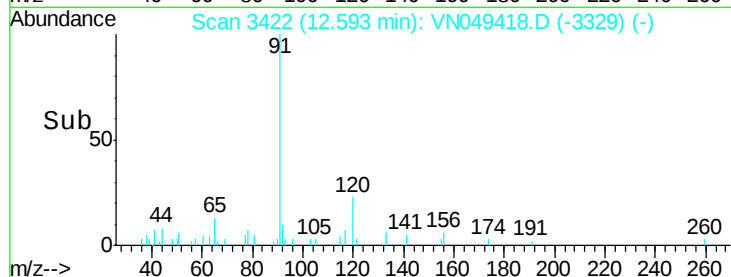
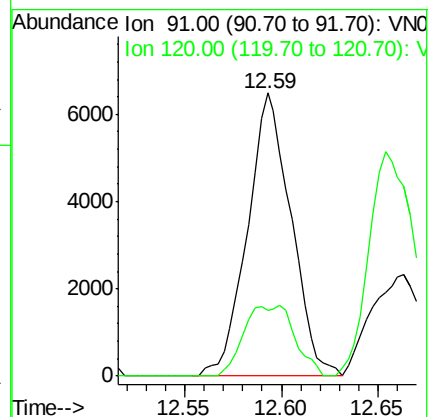
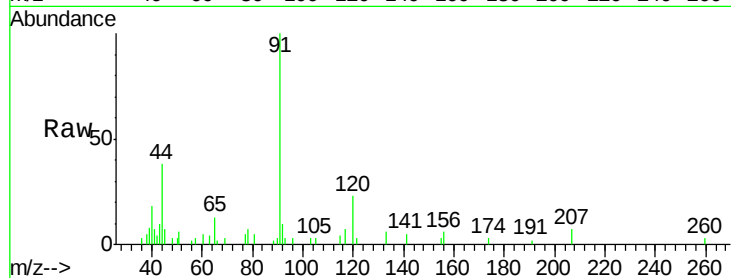
ClientSampleId :

Tot Ion: 91.00 Resp: 10166

Ion Ratio Lower Upper

91 100

120 14.9 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 0.62 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049418.D

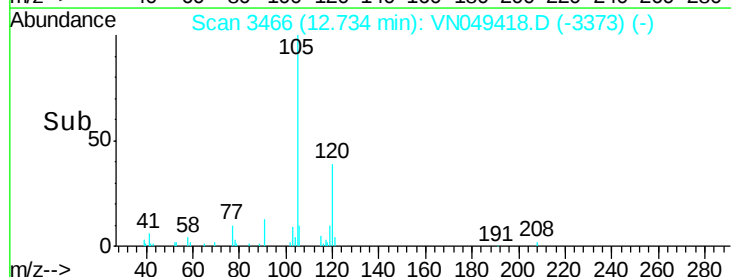
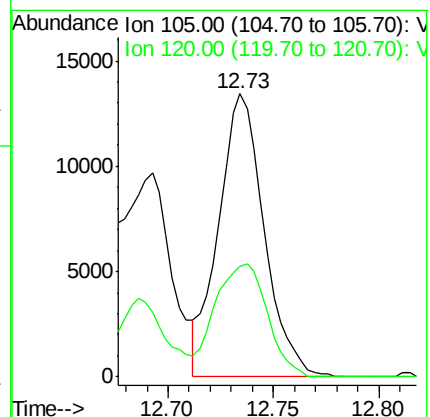
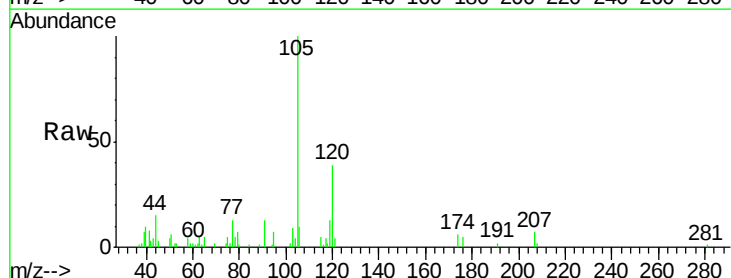
Acq: 20 Jun 2018 6:12

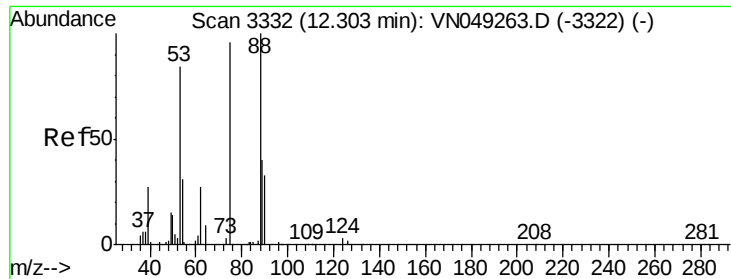
Tgt Ion: 105 Resp: 20151

Ion Ratio Lower Upper

105 100

120 45.7 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 128.30 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

ClientSampleId :

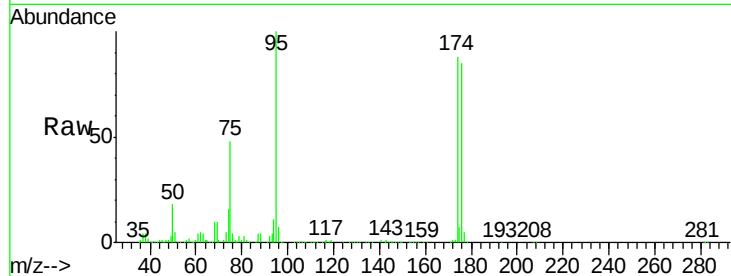
Tot Ion: 75 Resp: 328209

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

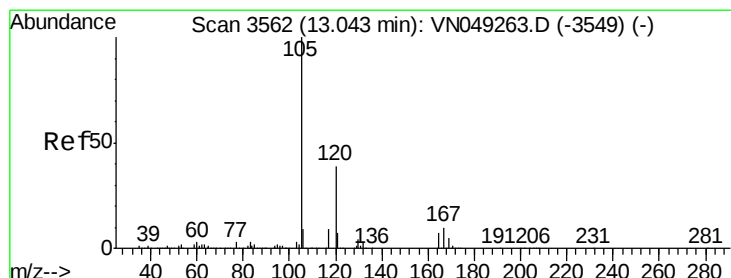
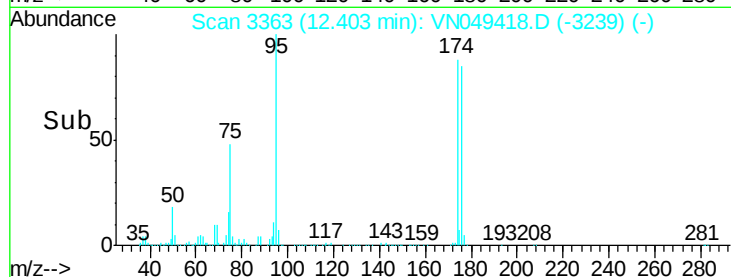
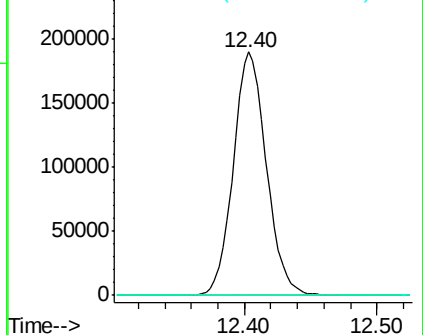
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 1.92 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049418.D

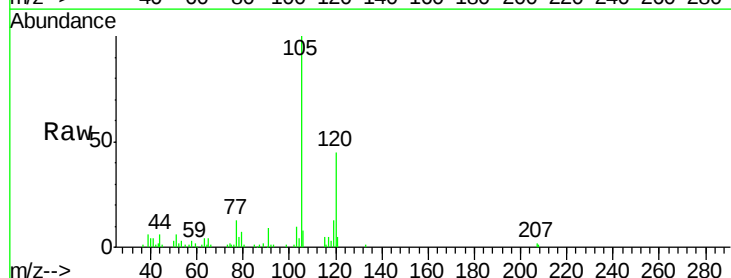
Acq: 20 Jun 2018 6:12

Tgt Ion: 105 Resp: 62223

Ion Ratio Lower Upper

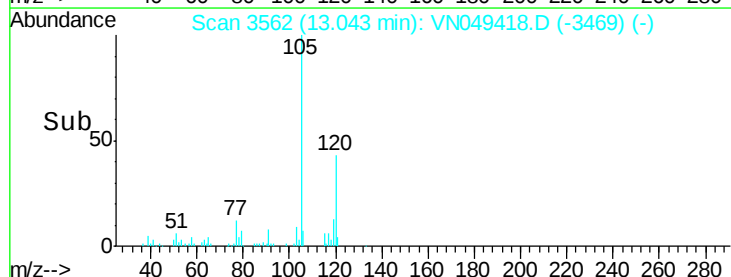
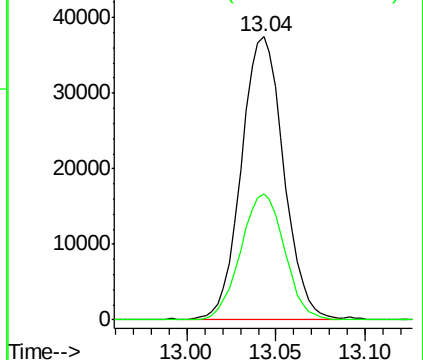
105 100

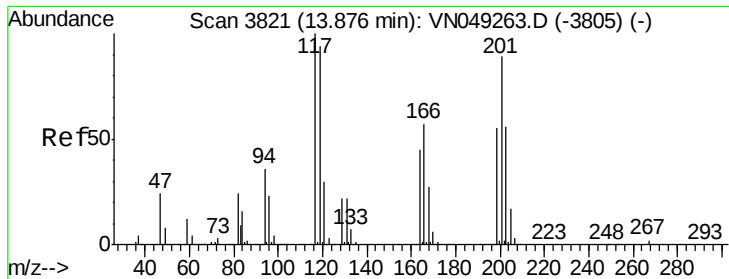
120 45.6 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

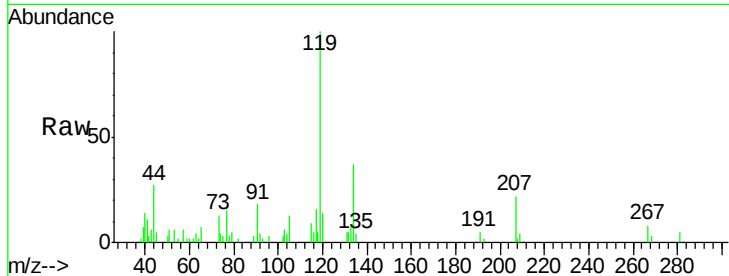
ClientSampleId :

Tot Ion:117 Resp: 2278

Ion Ratio Lower Upper

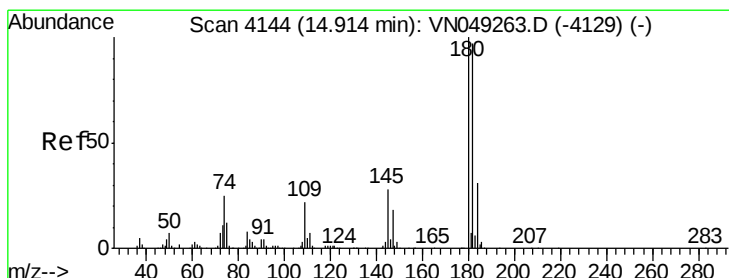
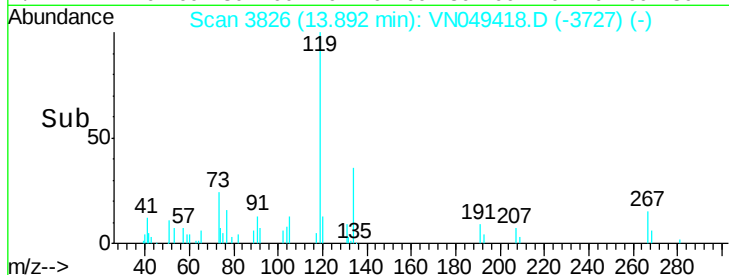
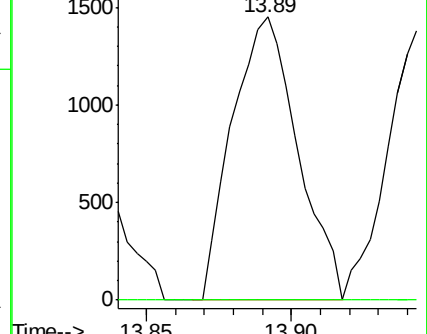
117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 4.82 ug/l

RT: 14.90 min Scan# 4141

Delta R.T. -0.01 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

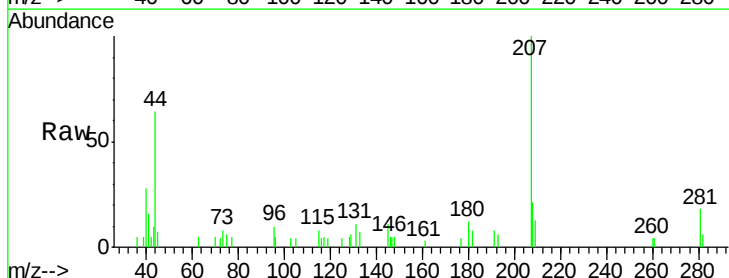
Tgt Ion:180 Resp: 734

Ion Ratio Lower Upper

180 100

182 80.7 46.9 140.8

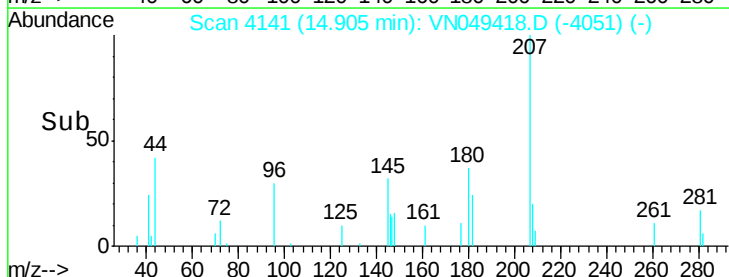
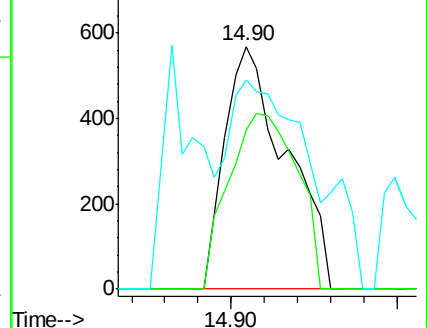
145 119.1 14.7 44.1#

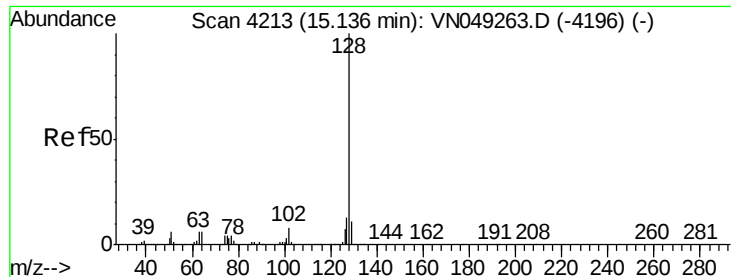


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 16.98 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

Instrument :

MSVOA_N

ClientSampleId :

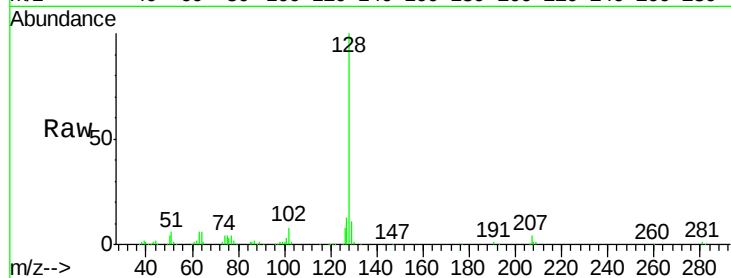
Tot Ion:128 Resp: 204369

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

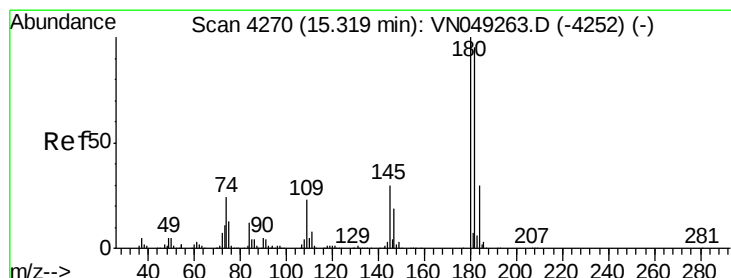
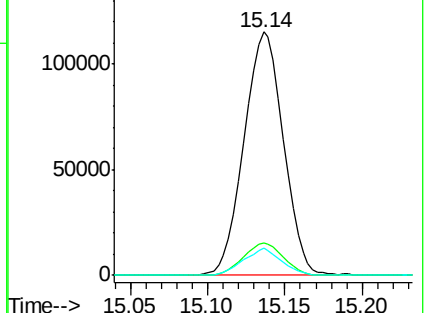
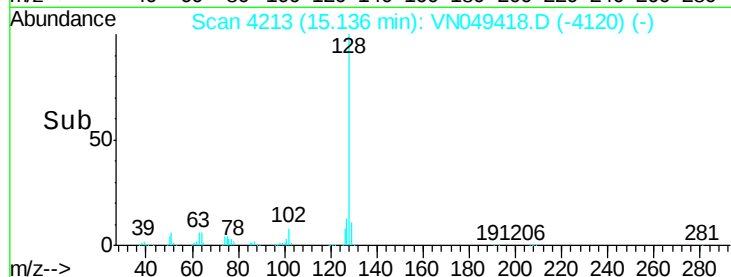
129 10.8 8.5 12.7



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: 3.52 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049418.D

Acq: 20 Jun 2018 6:12

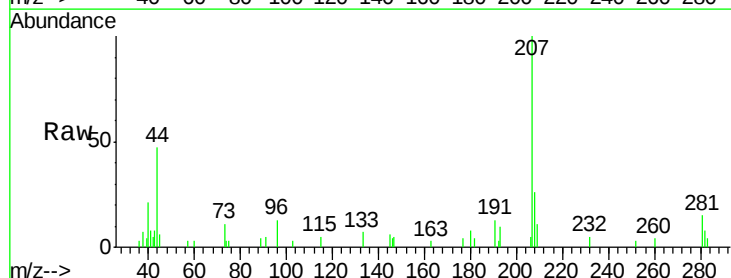
Tgt Ion:180 Resp: 541

Ion Ratio Lower Upper

180 100

182 30.1 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

