

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049415.D
 Acq On : 20 Jun 2018 4:55
 Operator : MD\SY
 Sample : J3575-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 06:07:09 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	1211727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1927097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1586886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	456542	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	798237	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	7.59	113	714710	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
50) Toluene-d8	10.09	98	2642545	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
62) 4-Bromofluorobenzene	12.40	95	656595	33.45	ug/l	0.00
Spiked Amount			Recovery	=	66.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	6596	0.66	ug/l	98
11) Tert butyl alcohol	4.82	59	742	0.79	ug/l #	70
13) Acrolein	3.61	56	551	0.56	ug/l #	69
16) Acetone	3.83	43	36774	9.42	ug/l	91
18) Methyl Acetate	4.33	43	70897	5.96	ug/l	96
20) Methylene Chloride	4.55	84	189778	11.64	ug/l	92
25) 2-Butanone	6.85	43	16466	3.14	ug/l	98
29) Tetrahydrofuran	7.22	42	2573	0.76	ug/l #	60
30) Chloroform	7.37	83	10663	0.38	ug/l	96
31) Cyclohexane	7.67	56	23107	0.80	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	87897	3.98	ug/l #	50
37) Ethyl Acetate	6.85	43	16466	1.37	ug/l #	72
38) Carbon Tetrachloride	7.67	117	109292	4.78	ug/l #	17
43) Isopropyl Acetate	8.24	43	245494	10.70	ug/l #	64
47) Bromodichloromethane	9.40	83	4973	0.22	ug/l #	86
49) 1,4-Dioxane	9.20	88	313	2.10	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	4949	0.41	ug/l	99
59) 2-Hexanone	10.76	43	5881	0.76	ug/l	90
65) Chlorobenzene	11.44	112	10216	0.25	ug/l	96
67) Ethyl Benzene	11.51	91	39479	0.58	ug/l	99
68) m/p-Xylenes	11.62	106	46515	1.83	ug/l	100
69) o-Xylene	11.95	106	14250	0.58	ug/l	88
74) N-amyl acetate	12.04	43	2542	0.26	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.50	83	176	Below	Cal #	66
76) 1,2,3-Trichloropropane	12.41	75	322003	41.34	ug/l #	100
78) n-propylbenzene	12.59	91	27785	0.63	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	45874	1.46	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.41	75	322003	130.65	ug/l #	9
83) tert-Butylbenzene	13.04	119	18722	0.67	ug/l #	78
84) 1,2,4-Trimethylbenzene	13.04	105	129400	4.13	ug/l	98
90) Hexachloroethane	13.89	117	2526	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.91	180	982	4.86	ug/l #	68
94) Hexachlorobutadiene	15.02	225	408	Below	Cal #	23
95) Naphthalene	15.14	128	18716	3.55	ug/l	98

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

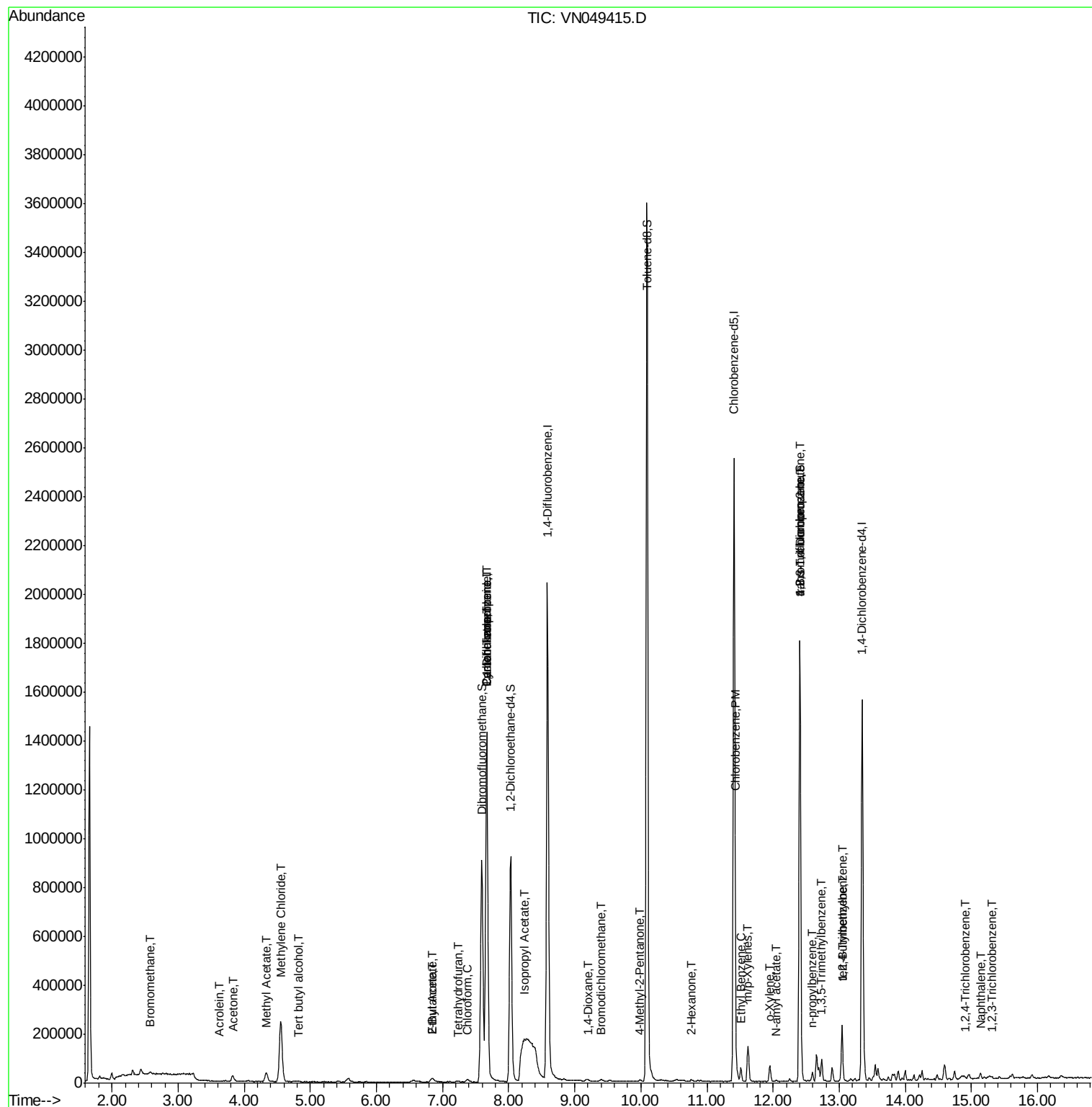
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	1110	3.59	ug/l	84

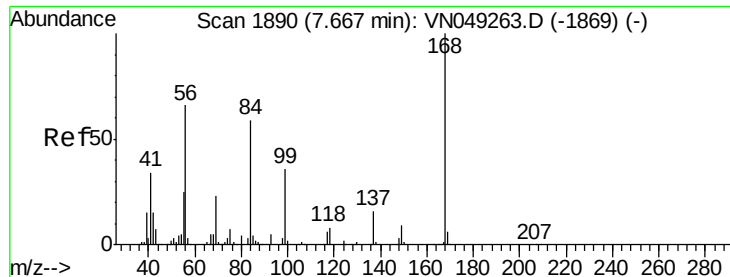
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061918\
Data File : VN049415.D
Acq On : 20 Jun 2018 4:55
Operator : MD\SY
Sample : J3575-19
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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: VN049415.D

Acq: 20 Jun 2018 4:55

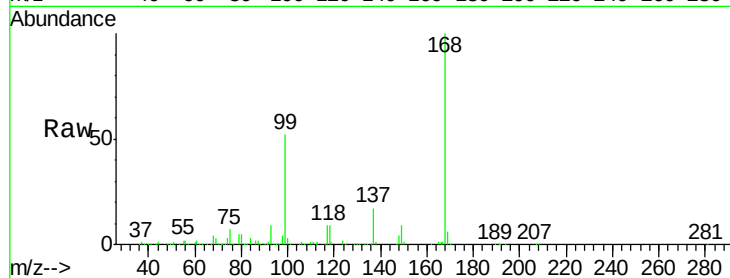
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1211727

Ion Ratio Lower Upper

168 100

99 52.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

500000

400000

300000

200000

100000

0

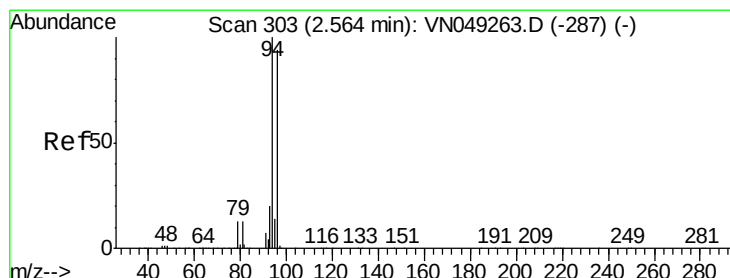
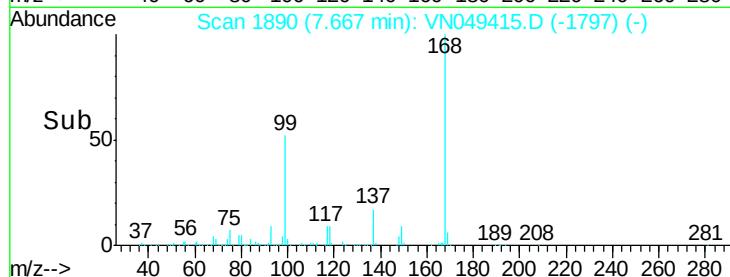
7.67

7.60

7.70

7.80

Time-->



#5

Bromomethane

Concen: 0.66 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049415.D

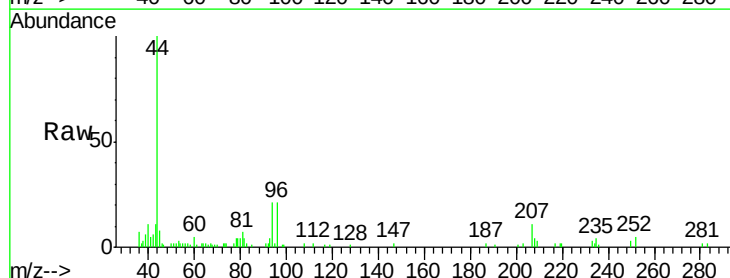
Acq: 20 Jun 2018 4:55

Tgt Ion: 94 Resp: 6596

Ion Ratio Lower Upper

94 100

96 89.5 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

3000

2000

1000

0

2.58

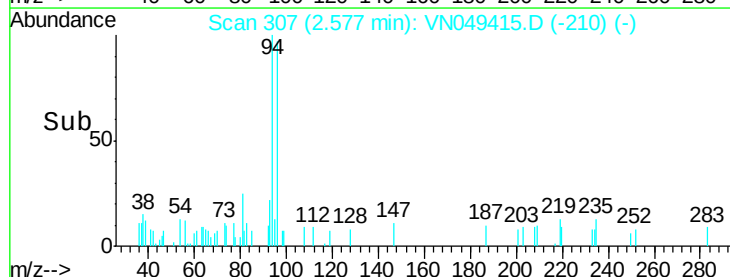
2.50

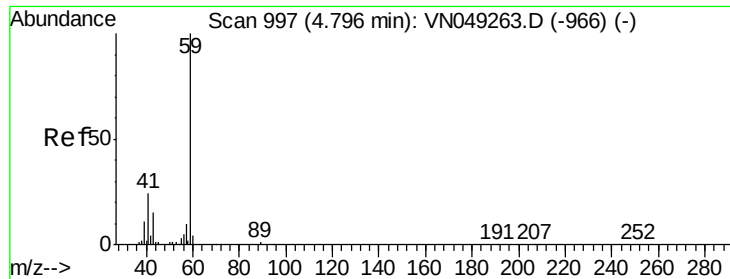
2.55

2.60

2.65

Time-->

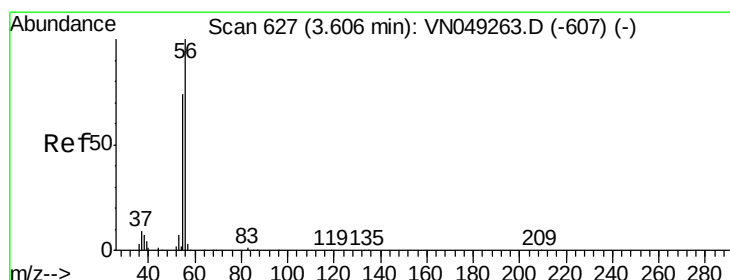
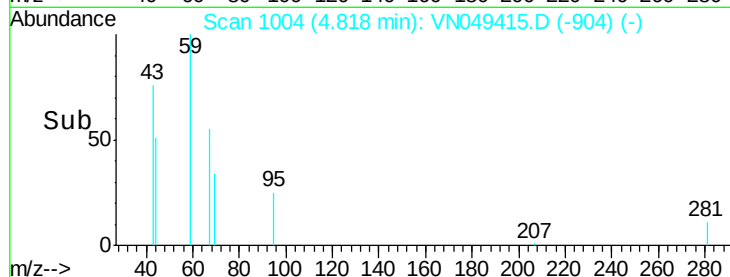
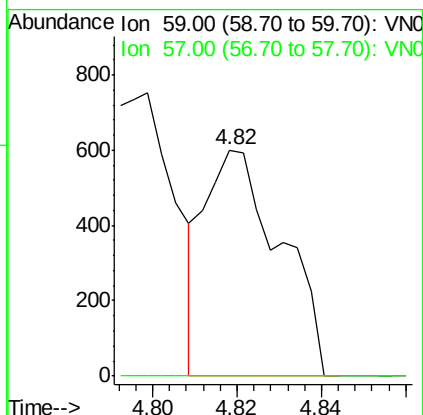
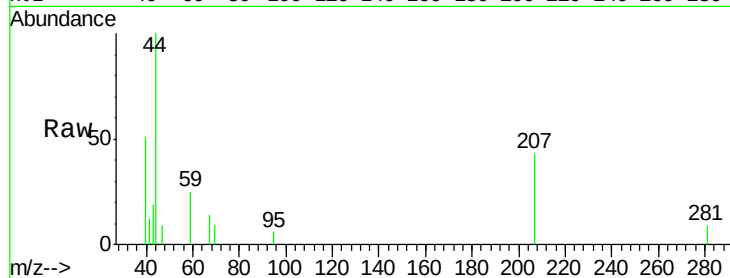




#11
Tert butyl alcohol
Concen: 0.79 ug/l
RT: 4.82 min Scan# 1004
Delta R.T. 0.02 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

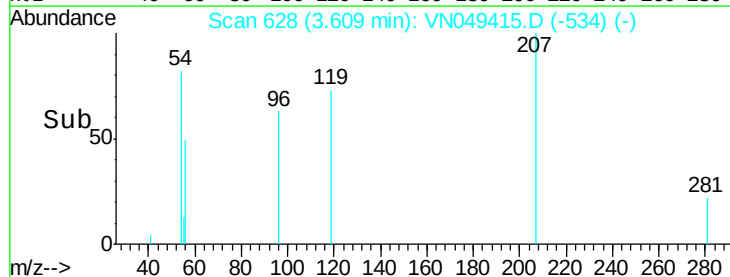
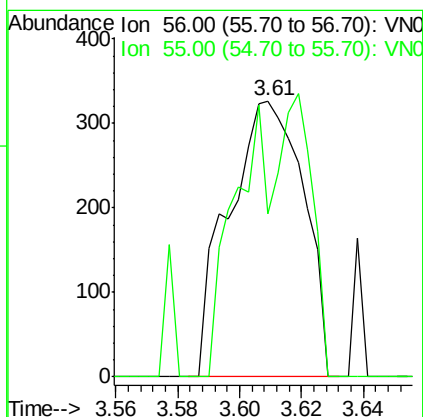
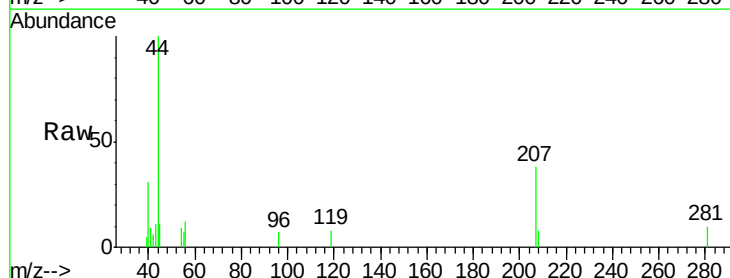
Instrument :
MSVOA_N
ClientSampleId :

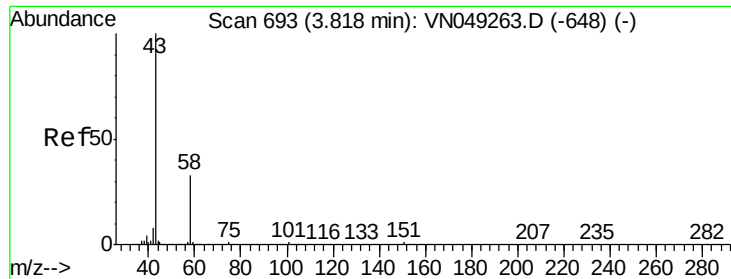
Tot Ion: 59 Resp: 742
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 0.56 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

Tgt Ion: 56 Resp: 551
Ion Ratio Lower Upper
56 100
55 45.9 57.1 85.7#





#16

Acetone

Concen: 9.42 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

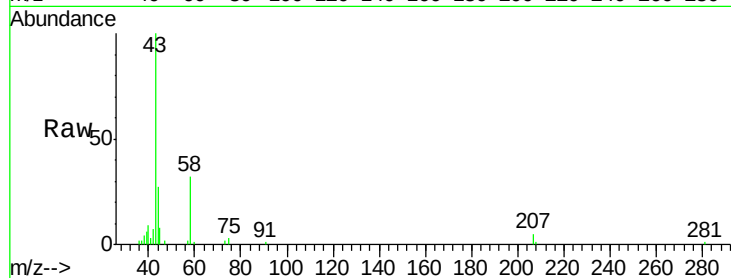
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 36774

Ion Ratio Lower Upper

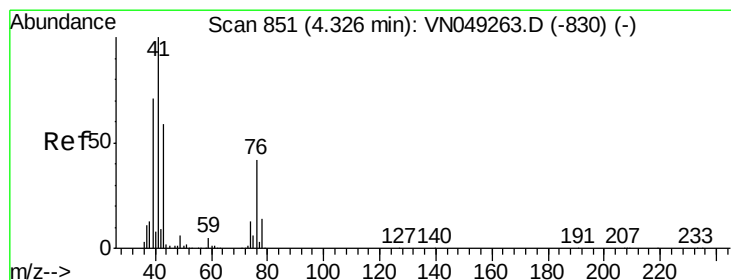
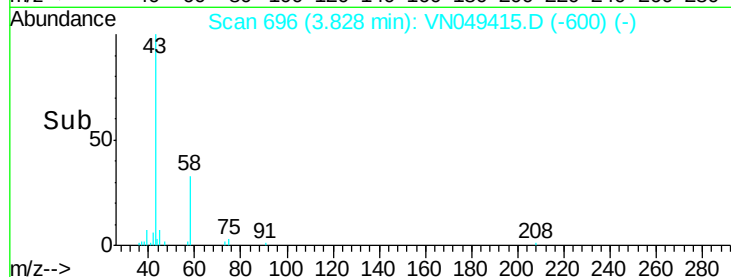
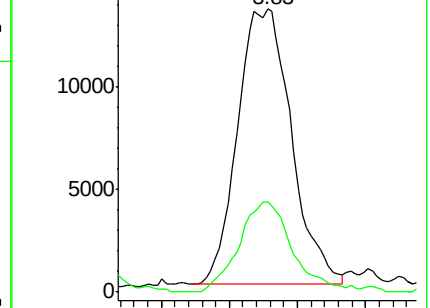
43 100

58 32.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049415.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049415.D (-600) (-)



#18

Methyl Acetate

Concen: 5.96 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049415.D

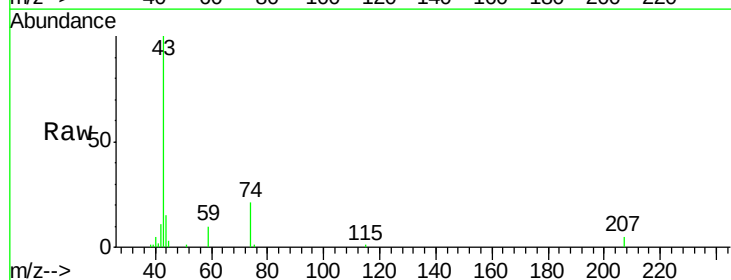
Acq: 20 Jun 2018 4:55

Tgt Ion: 43 Resp: 70897

Ion Ratio Lower Upper

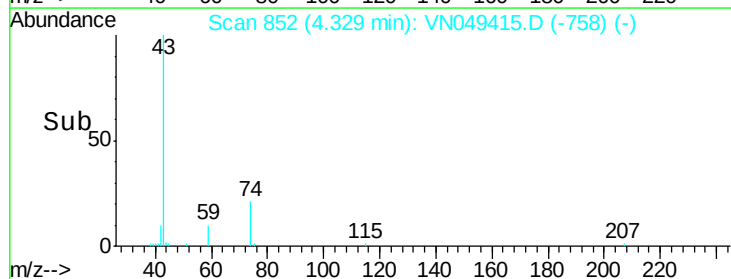
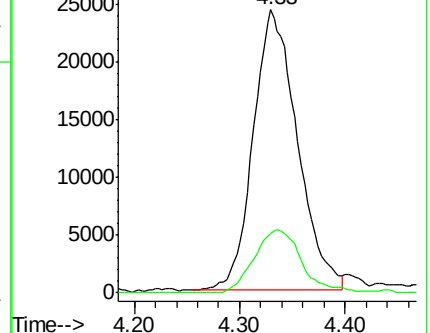
43 100

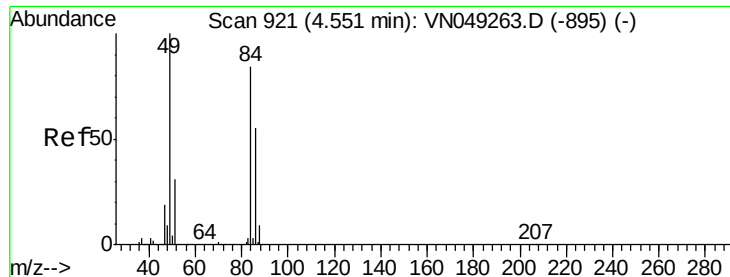
74 23.5 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049415.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN049415.D (-758) (-)

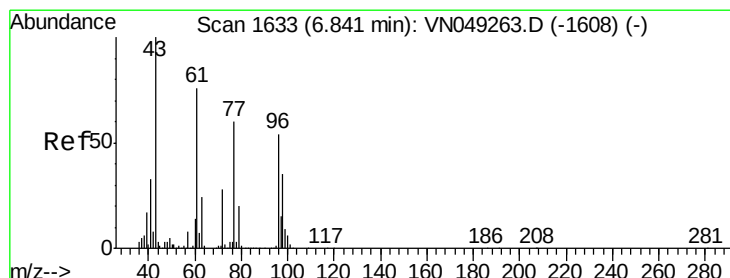
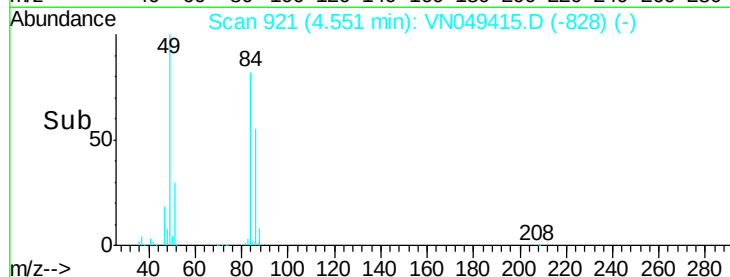
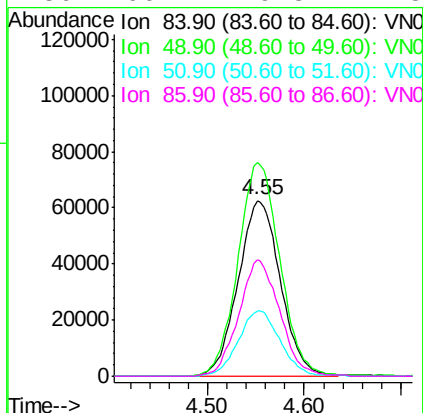
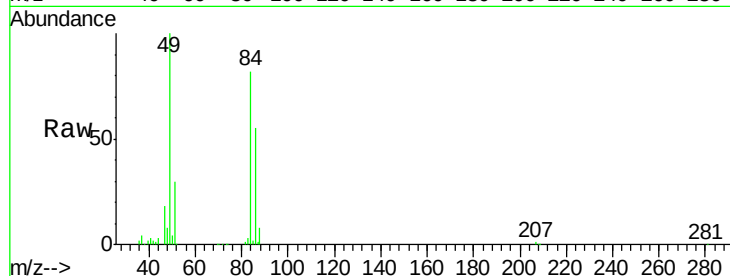




#20
Methvlene Chloride
Concen: 11.64 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

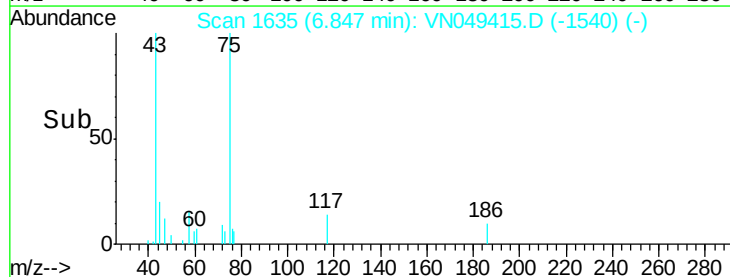
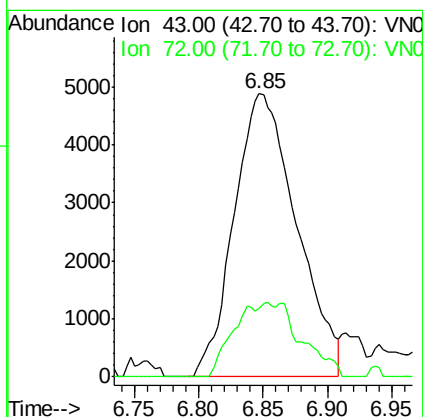
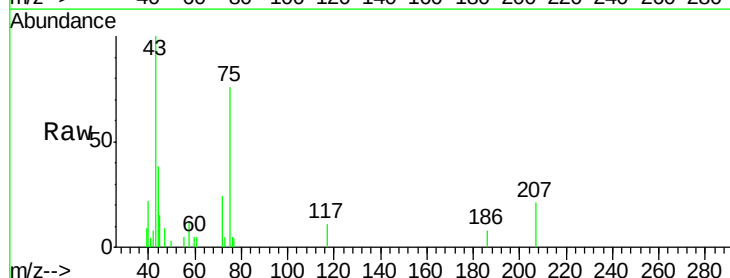
Instrument :
MSVOA_N
ClientSampleId :

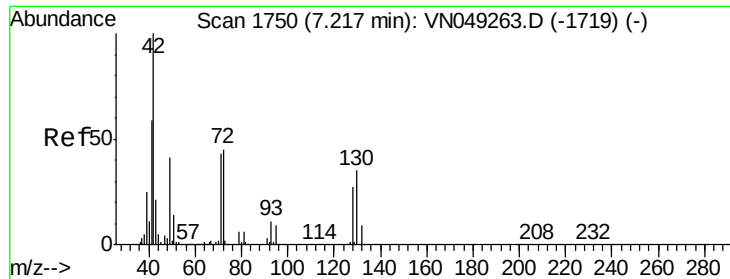
Tot Ion: 84 Resp: 189778
Ion Ratio Lower Upper
84 100
49 121.7 106.9 160.3
51 36.7 32.7 49.1
86 66.4 49.8 74.8



#25
2-Butanone
Concen: 3.14 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

Tgt Ion: 43 Resp: 16466
Ion Ratio Lower Upper
43 100
72 24.1 20.2 30.2

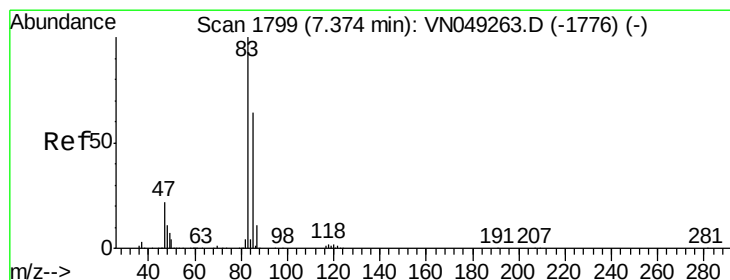
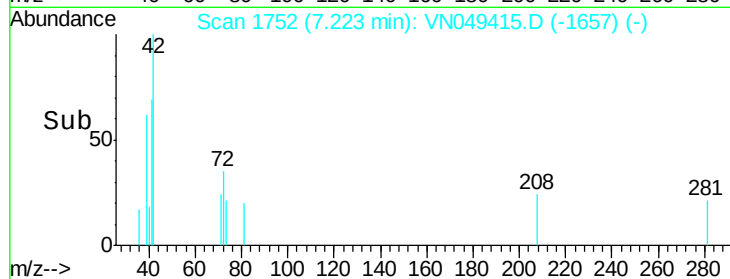
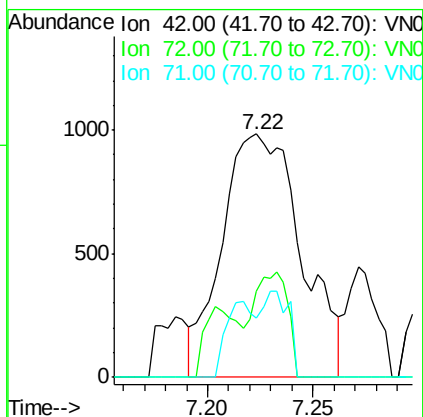
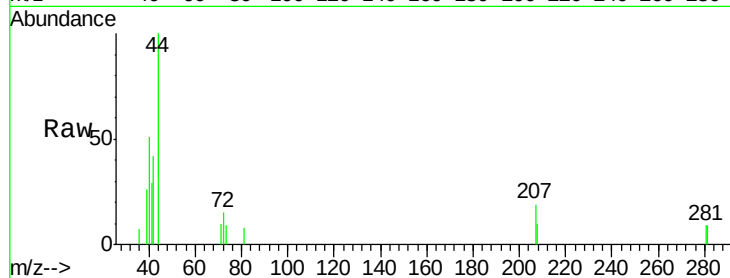




#29
Tetrahydrofuran
Concen: 0.76 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

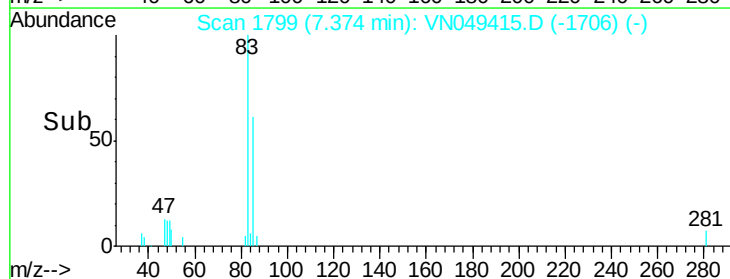
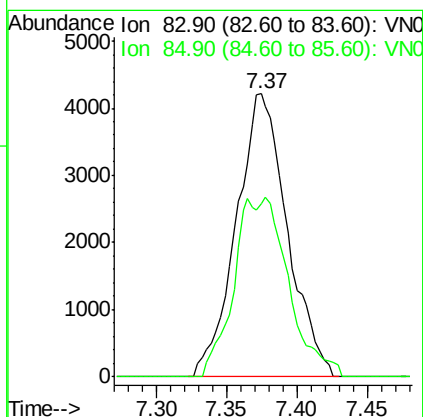
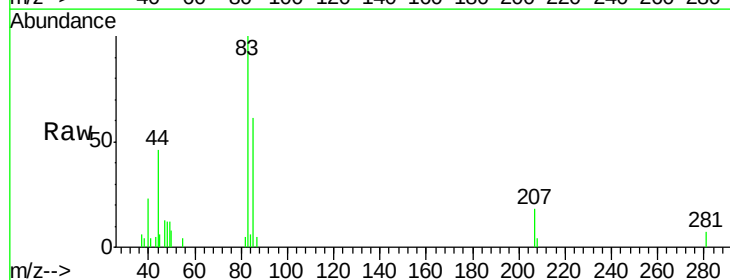
Instrument :
MSVOA_N
ClientSampled :

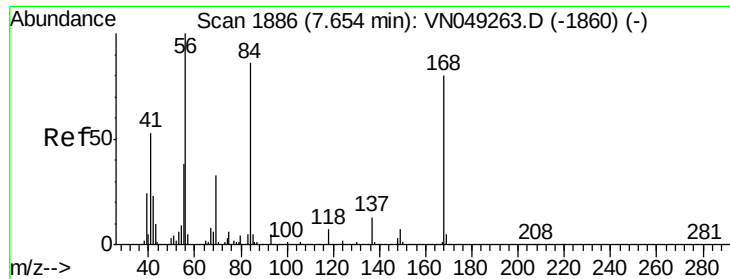
Tot Ion: 42 Resp: 2573
Ion Ratio Lower Upper
42 100
72 18.3 32.2 48.4#
71 11.5 30.5 45.7#



#30
Chloroform
Concen: 0.38 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

Tgt Ion: 83 Resp: 10663
Ion Ratio Lower Upper
83 100
85 61.4 51.7 77.5





#31

Cyclohexane

Concen: 0.80 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

Instrument :

MSVOA_N

ClientSampled :

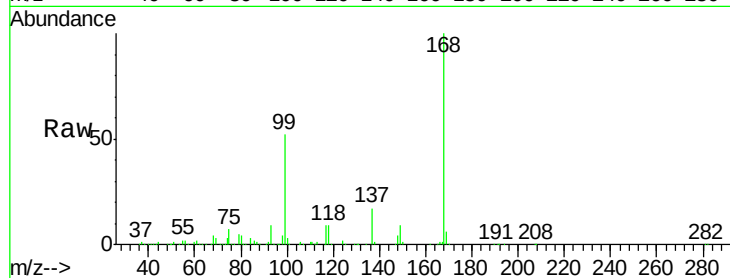
Tot Ion: 56 Resp: 23107

Ion Ratio Lower Upper

56 100

69 174.9 25.0 37.4#

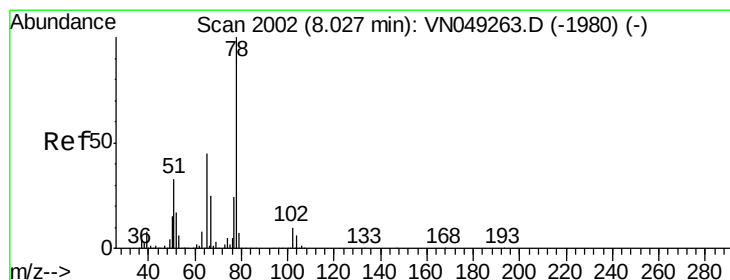
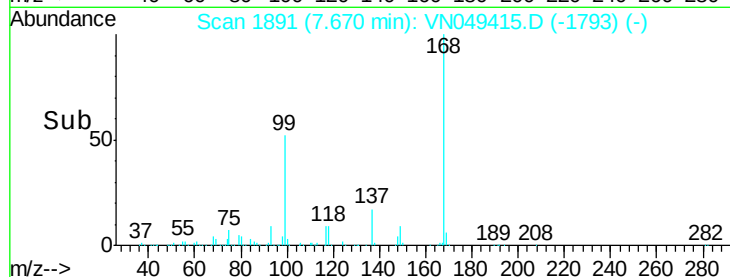
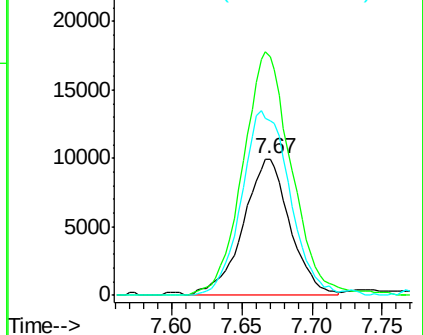
84 127.4 64.6 96.8#



Abundance Ion 56.00 (55.70 to 56.70): VN049415.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049415.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049415.D (-1793) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.67 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049415.D

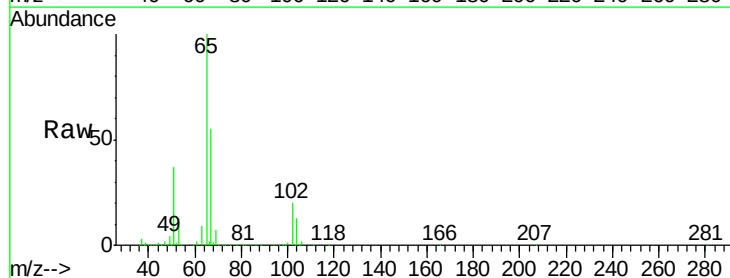
Acq: 20 Jun 2018 4:55

Tgt Ion: 65 Resp: 798237

Ion Ratio Lower Upper

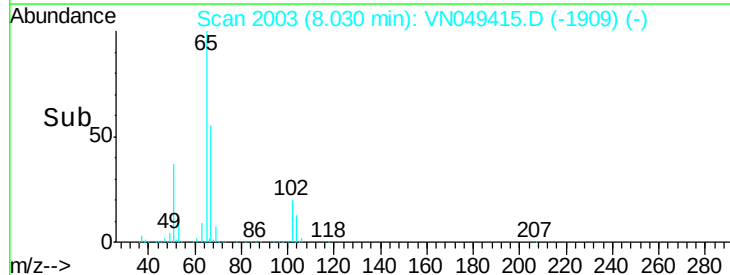
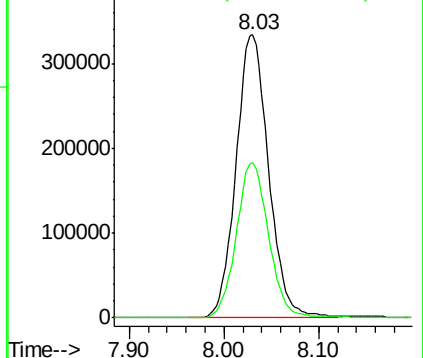
65 100

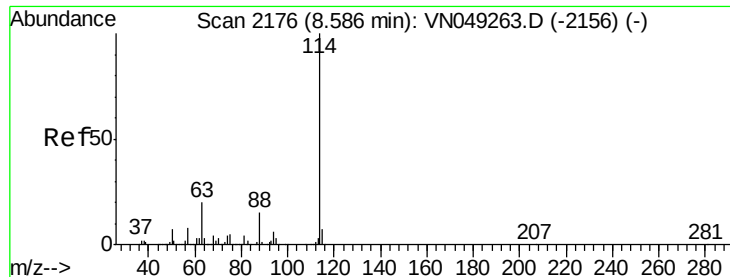
67 54.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049415.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049415.D (-1909) (-)



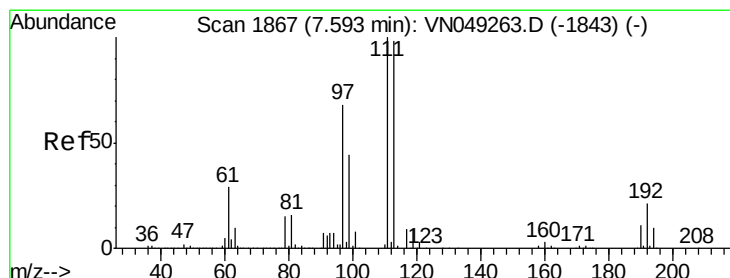
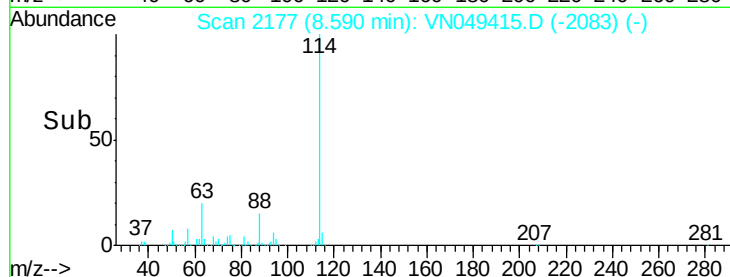
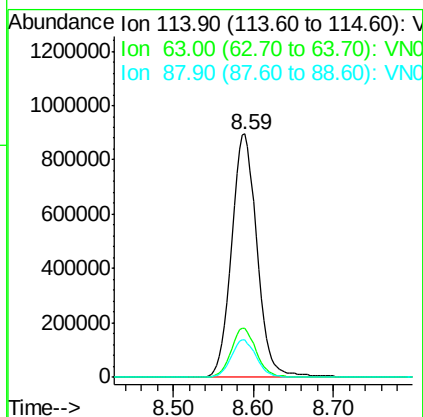
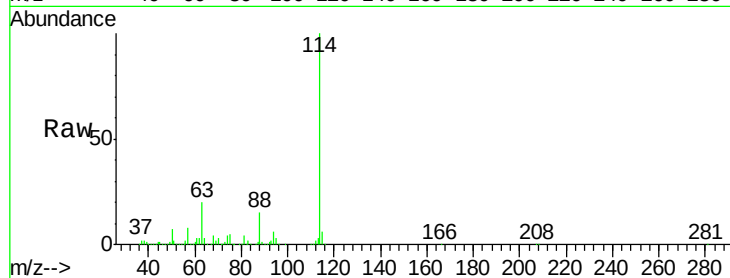


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049415.D
 Acq: 20 Jun 2018 4:55

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 1927097

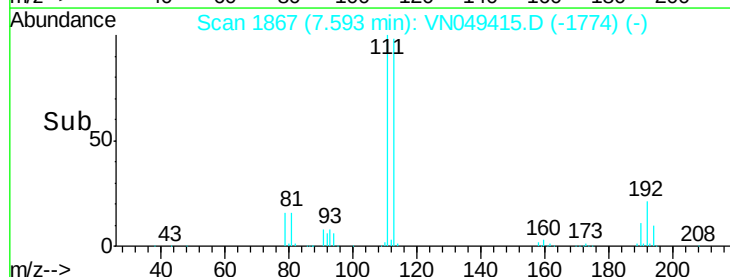
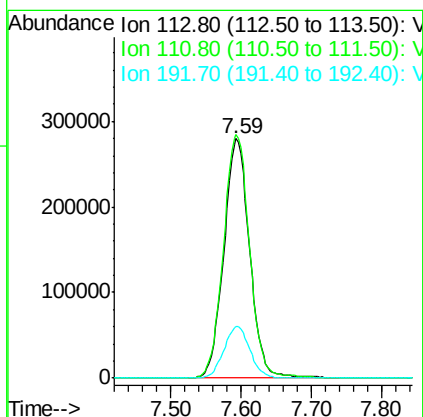
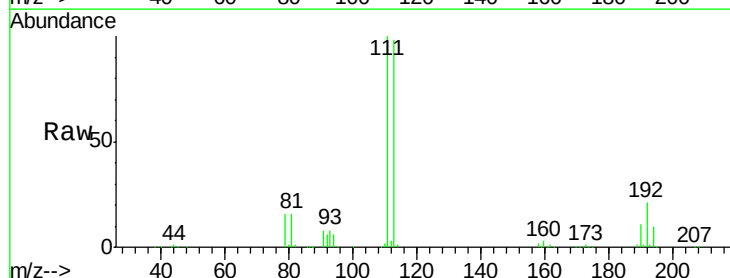
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	44.4
88	15.2	0.0	31.4

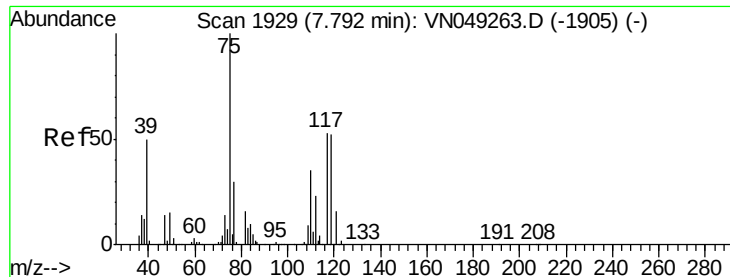


#35
 Dibromofluoromethane
 Concen: 45.84 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049415.D
 Acq: 20 Jun 2018 4:55

Tgt Ion:113 Resp: 714710

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.4	123.6
192	21.8	15.0	22.6

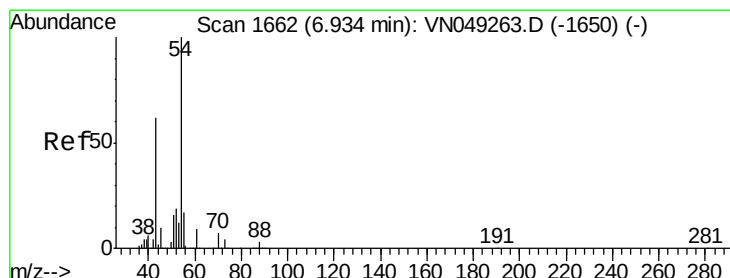
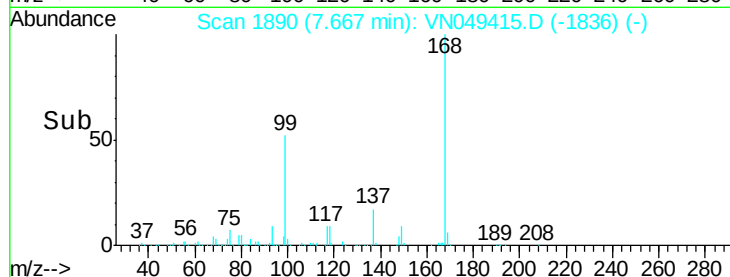
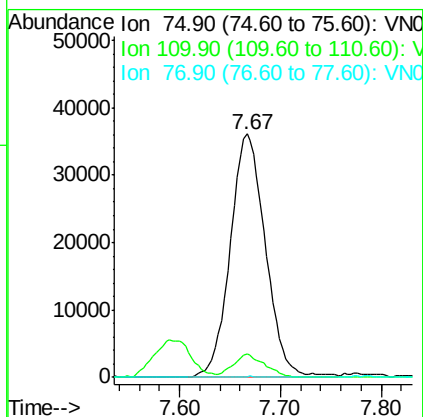
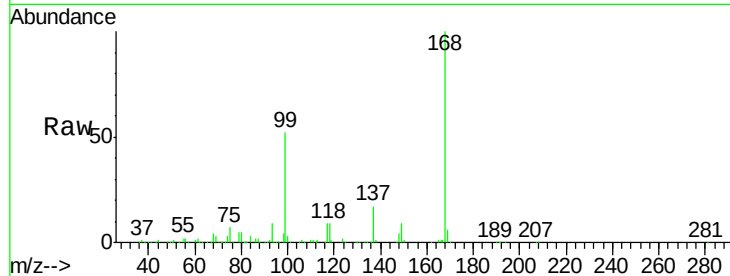




#36
 1,1-Dichloropropene
 Concen: 3.98 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049415.D
 Acq: 20 Jun 2018 4:55

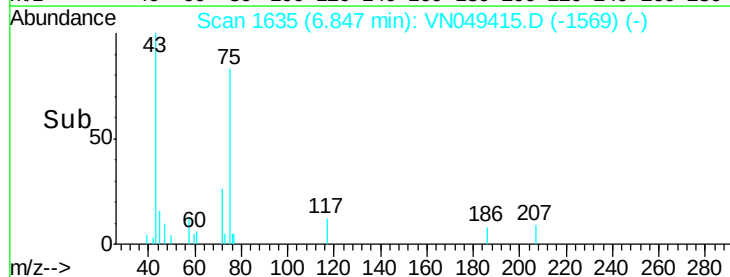
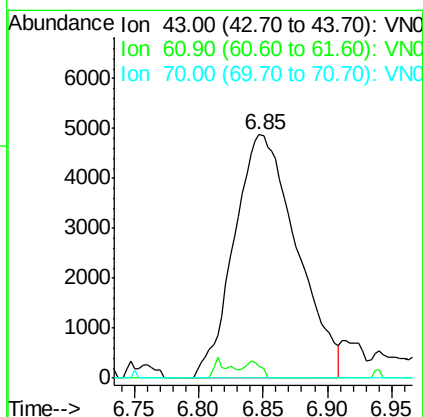
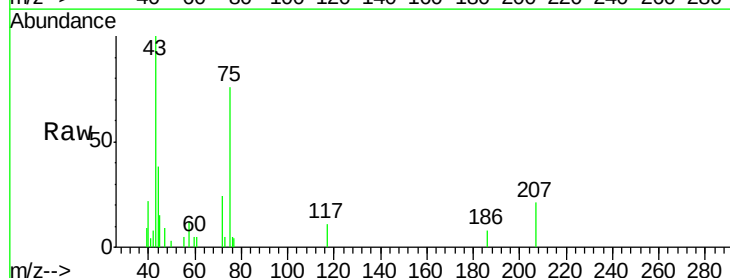
Instrument :
 MSVOA_N
 ClientSampled :

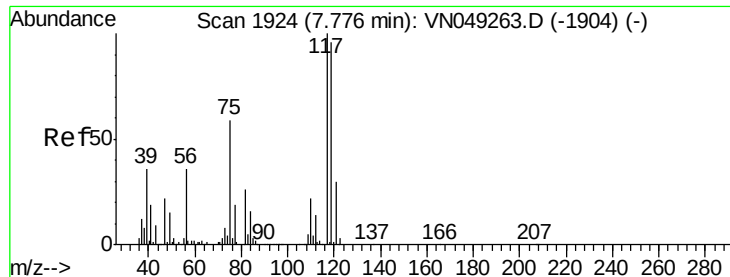
Tot Ion	75	Resp	Lower	Upper
75	100			
110	8.4	17.0	50.9#	
77	0.0	24.4	36.6#	



#37
 Ethyl Acetate
 Concen: 1.37 ug/l
 RT: 6.85 min Scan# 1635
 Delta R.T. -0.09 min
 Lab File: VN049415.D
 Acq: 20 Jun 2018 4:55

Tgt Ion	43	Resp	Lower	Upper
43	100			
61	1.8	11.0	16.4#	
70	0.0	7.2	10.8#	

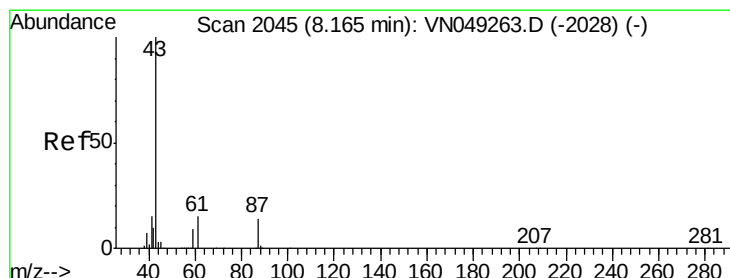
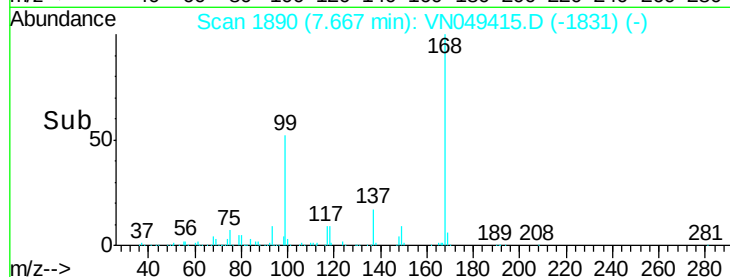
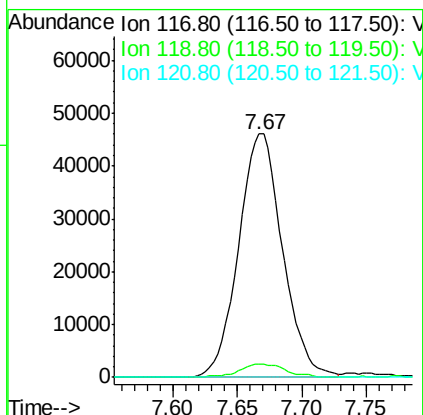
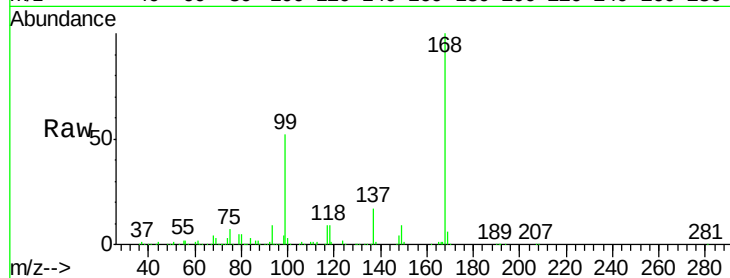




#38
Carbon Tetrachloride
Concen: 4.78 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

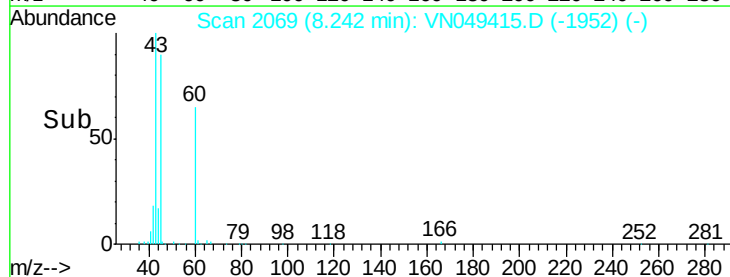
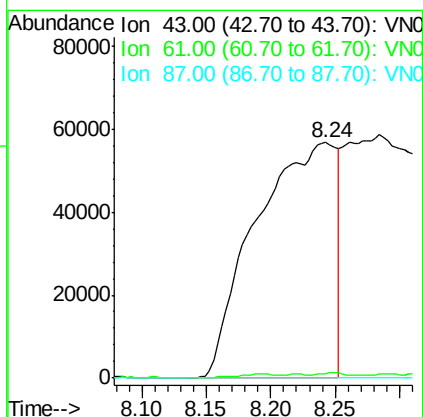
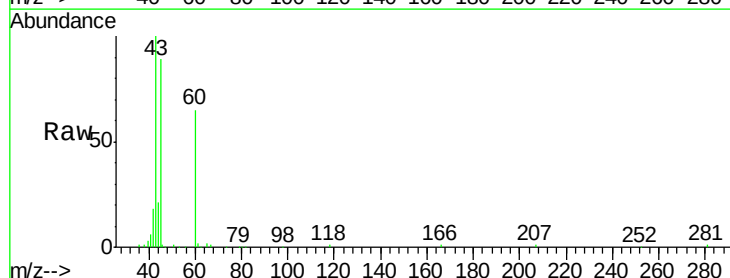
Instrument :
MSVOA_N
ClientSampled :

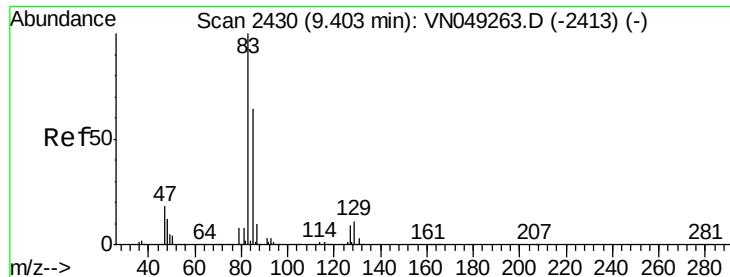
Tot Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.6	113.4#
121	0.0	24.7	37.1#



#43
Isopropyl Acetate
Concen: 10.70 ug/l
RT: 8.24 min Scan# 2069
Delta R.T. 0.08 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.2	21.4#
87	0.0	9.4	14.0#





#47

Bromodichloromethane

Concen: 0.22 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

Instrument :

MSVOA_N

ClientSampled :

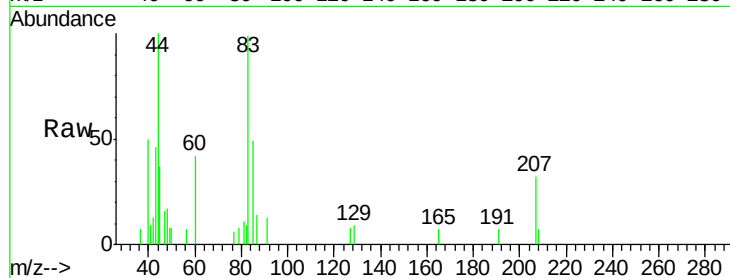
Tot Ion: 83 Resp: 4973

Ion Ratio Lower Upper

83 100

85 49.2 49.4 74.0#

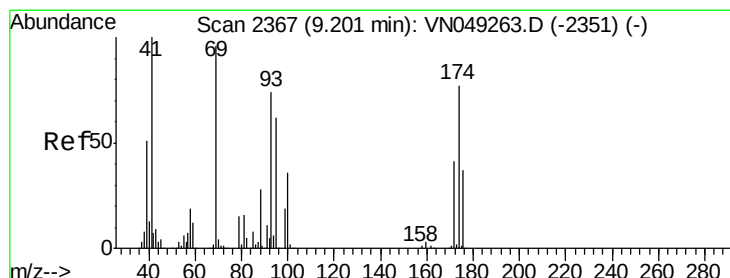
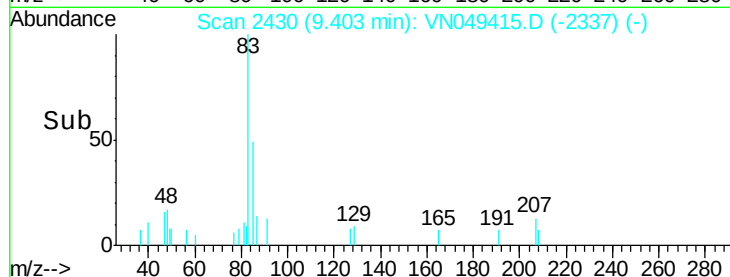
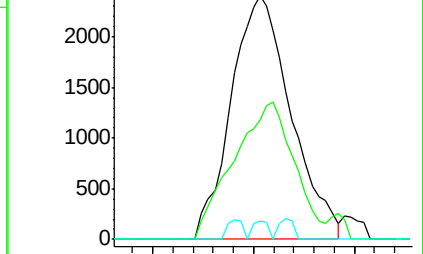
127 7.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049415.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049415.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049415.D (-2337) (-)



#49

1,4-Dioxane

Concen: 2.10 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

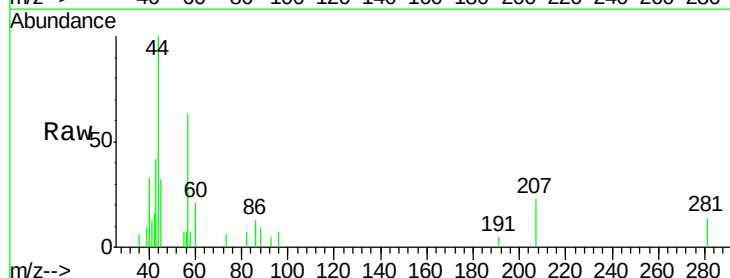
Tgt Ion: 88 Resp: 313

Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

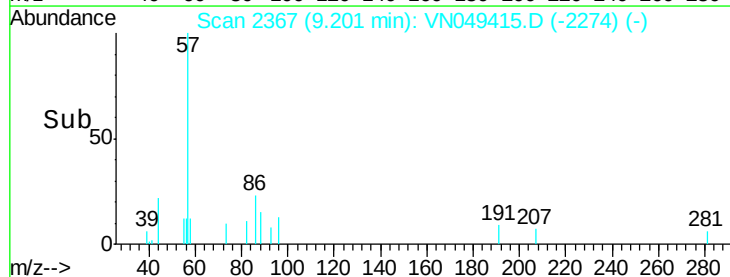
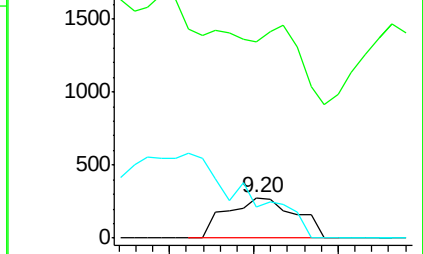
58 445.7 58.9 88.3#

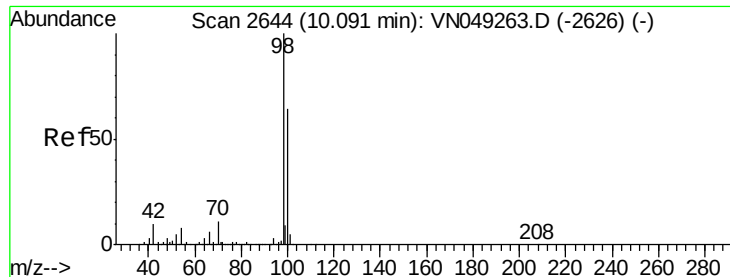


Abundance Ion 88.00 (87.70 to 88.70): VN049415.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN049415.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049415.D (-2274) (-)





#50

Toluene-d8

Concen: 44.51 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

Instrument :

MSVOA_N

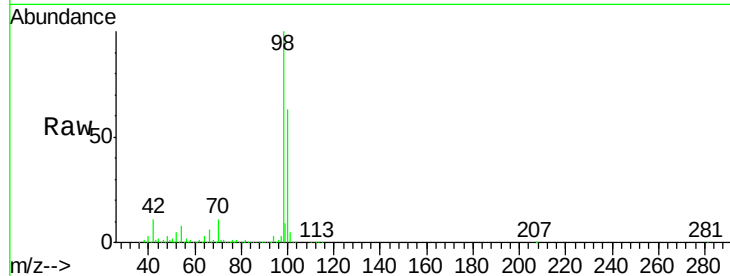
ClientSampled :

Tot Ion: 98 Resp: 2642545

Ion Ratio Lower Upper

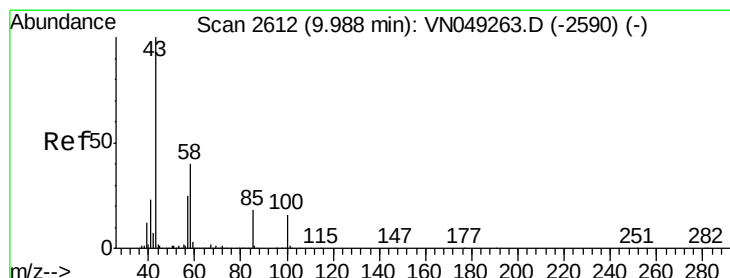
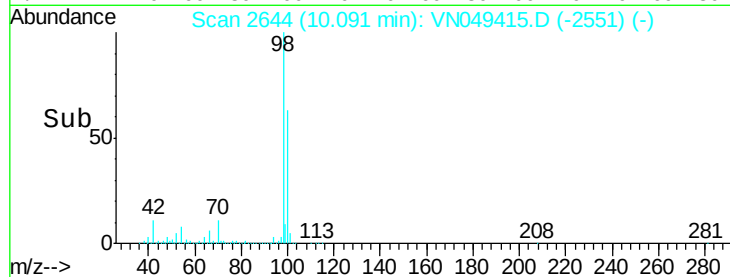
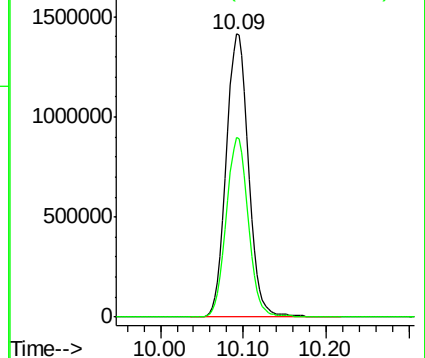
98 100

100 63.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.41 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: VN049415.D

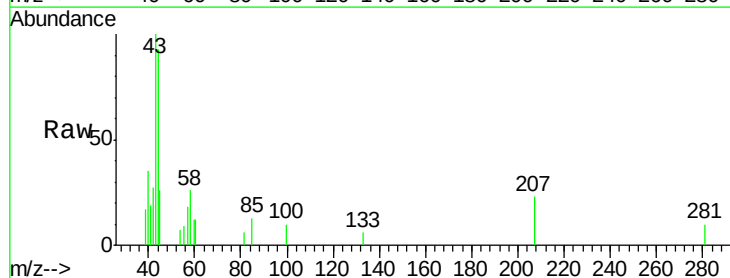
Acq: 20 Jun 2018 4:55

Tgt Ion: 43 Resp: 4949

Ion Ratio Lower Upper

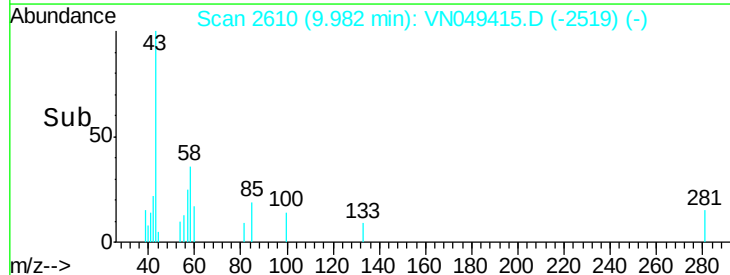
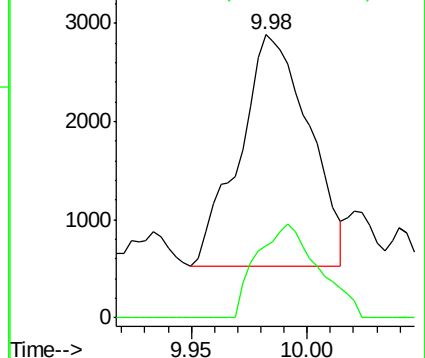
43 100

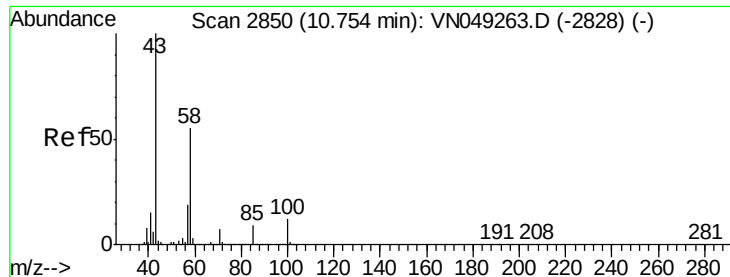
58 35.8 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#59

2-Hexanone

Concen: 0.76 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

Instrument :

MSVOA_N

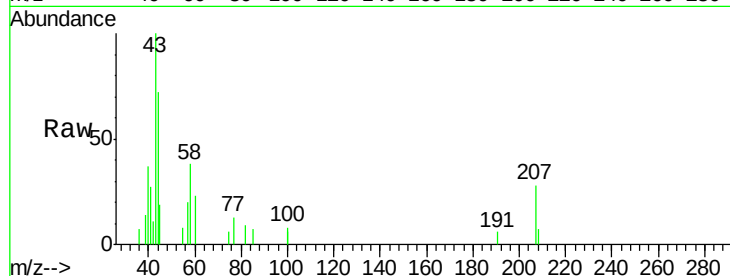
ClientSampled :

Tot Ion: 43 Resp: 5881

Ion Ratio Lower Upper

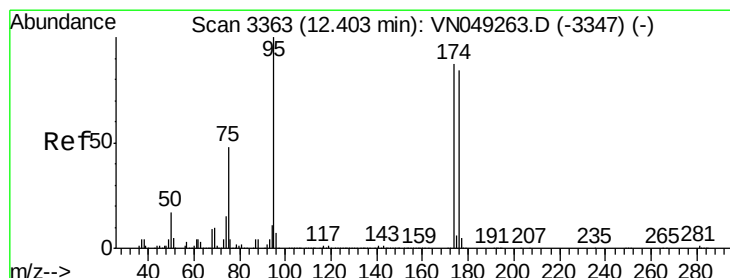
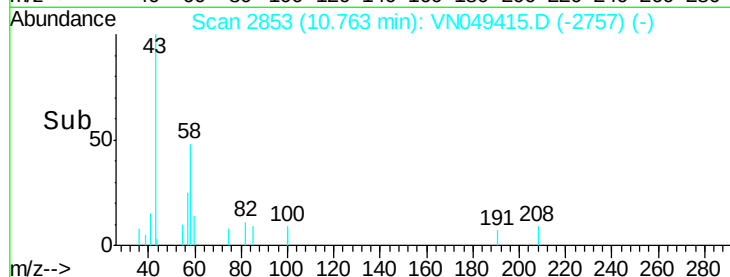
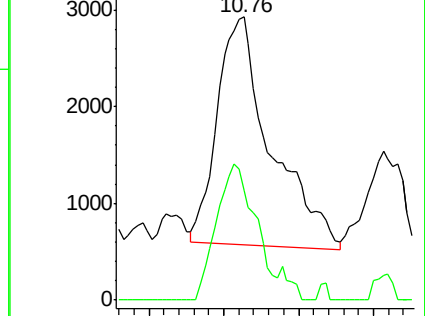
43 100

58 43.4 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 33.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

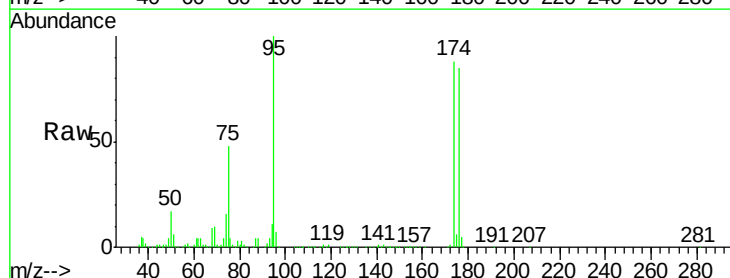
Tgt Ion: 95 Resp: 656595

Ion Ratio Lower Upper

95 100

174 89.8 0.0 165.6

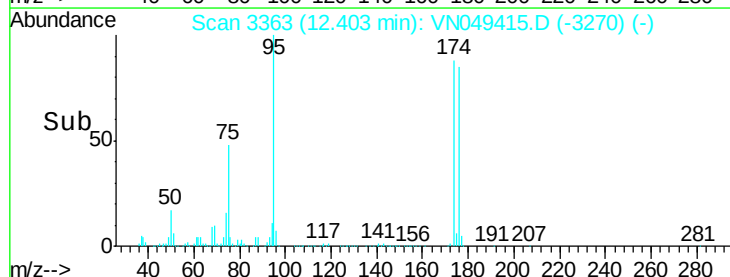
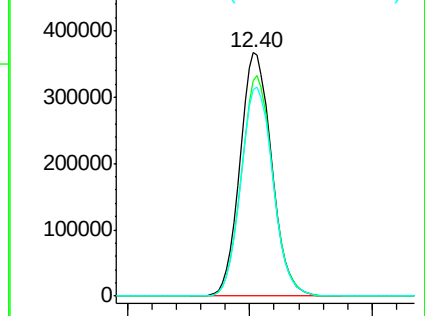
176 87.0 0.0 157.4

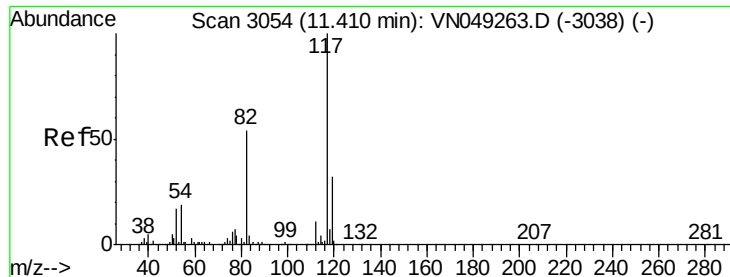


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

Instrument :

MSVOA_N

ClientSampleId :

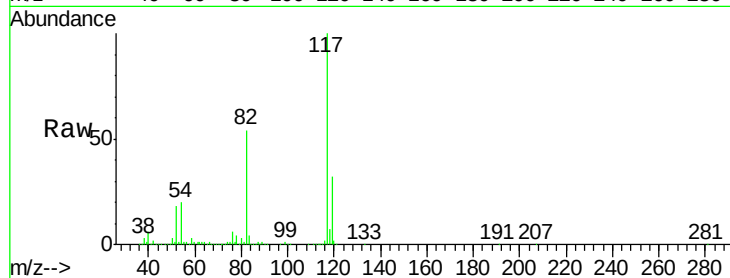
Tot Ion:117 Resp: 1586886

Ion Ratio Lower Upper

117 100

82 53.9 45.9 68.9

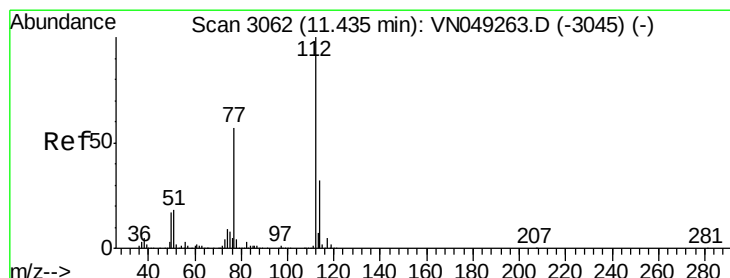
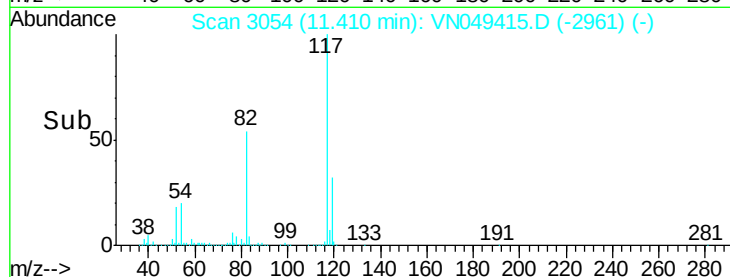
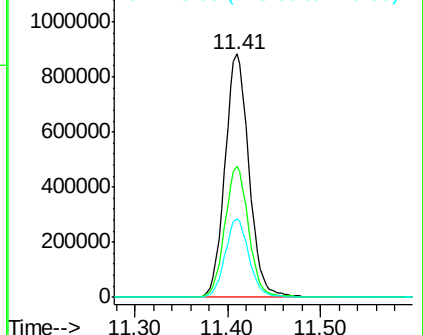
119 32.4 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.25 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049415.D

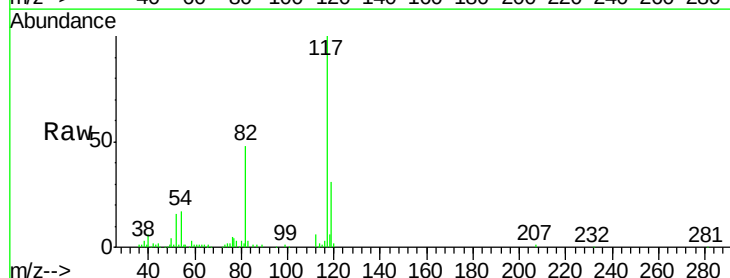
Acq: 20 Jun 2018 4:55

Tgt Ion:112 Resp: 10216

Ion Ratio Lower Upper

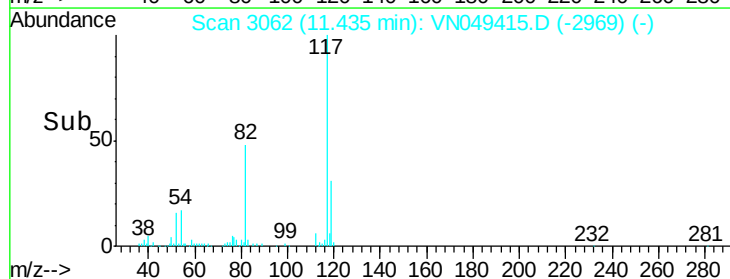
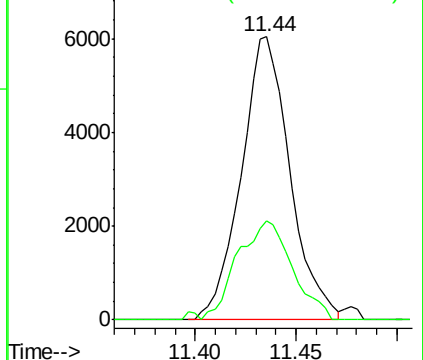
112 100

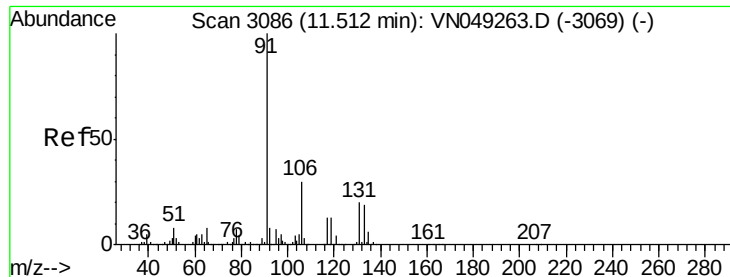
114 35.0 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

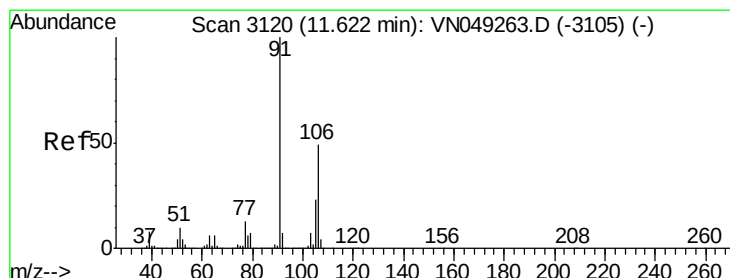
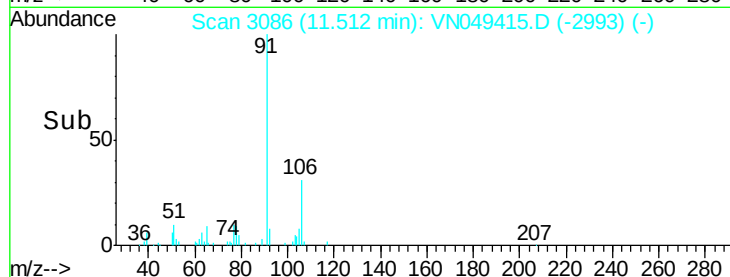
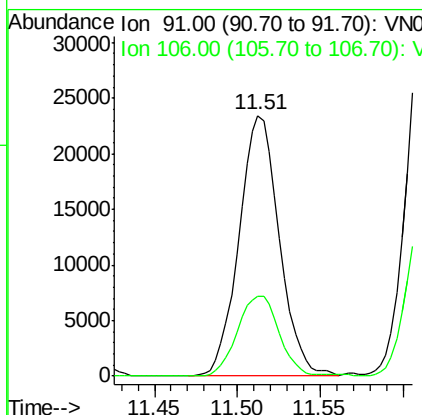
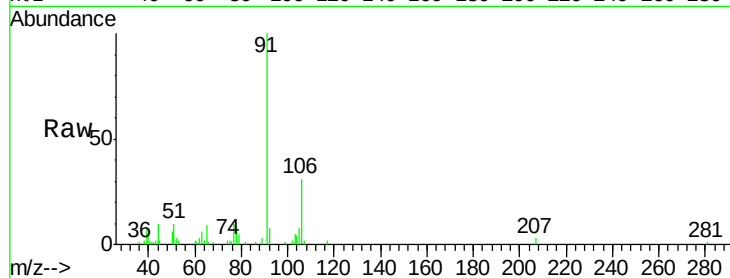




#67
Ethyl Benzene
Concen: 0.58 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

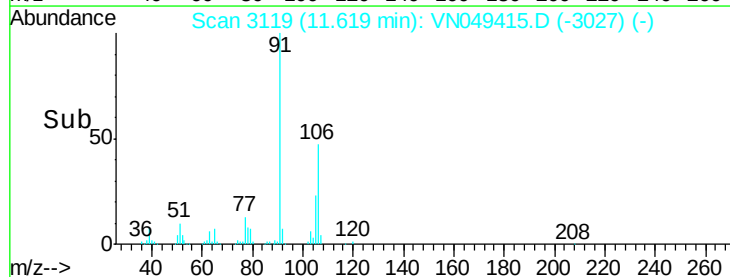
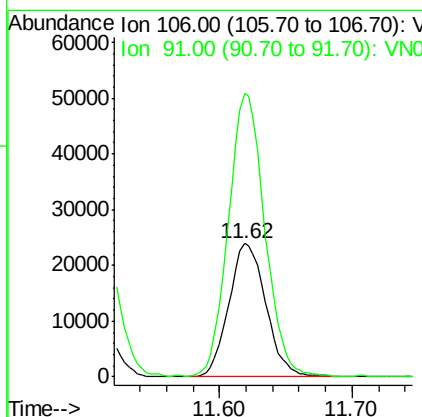
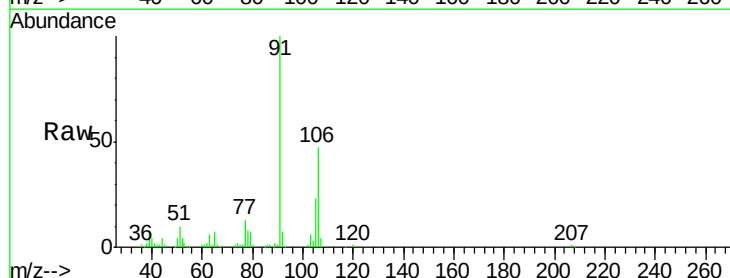
Instrument :
MSVOA_N
ClientSampled :

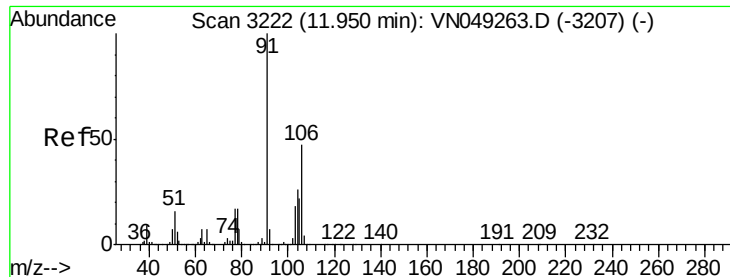
Tot Ion: 91 Resp: 39479
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9



#68
m/p-Xylenes
Concen: 1.83 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

Tgt Ion: 106 Resp: 46515
Ion Ratio Lower Upper
106 100
91 208.9 167.3 250.9

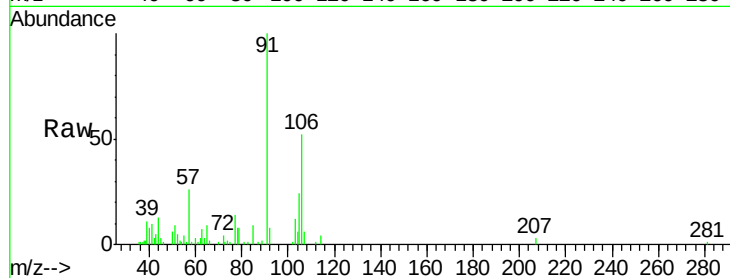




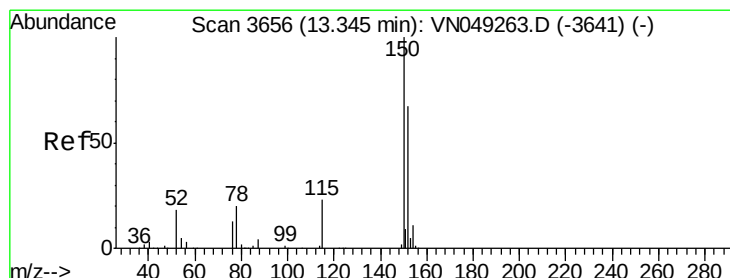
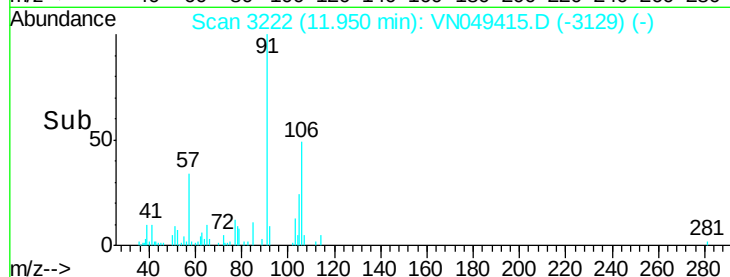
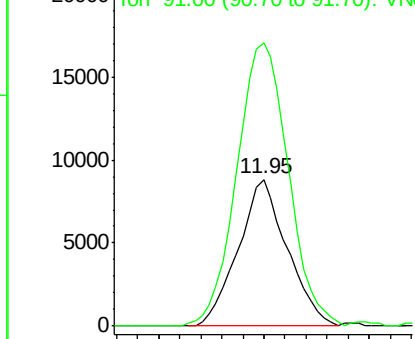
#69
o-Xylene
Concen: 0.58 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 14250
Ion Ratio Lower Upper
106 100
91 202.8 111.0 333.0

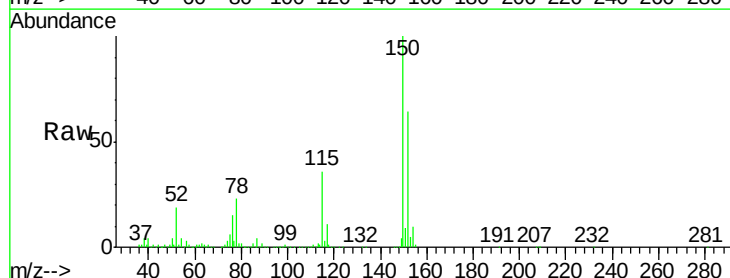


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

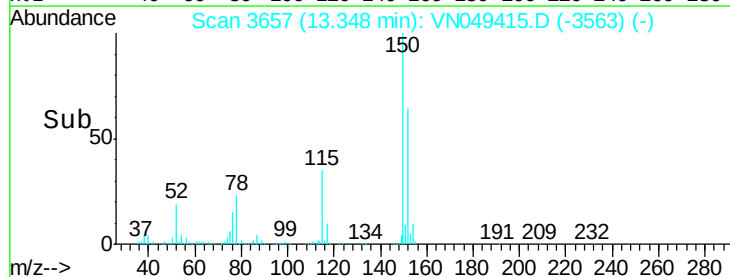
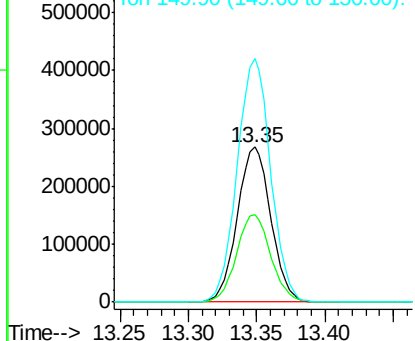


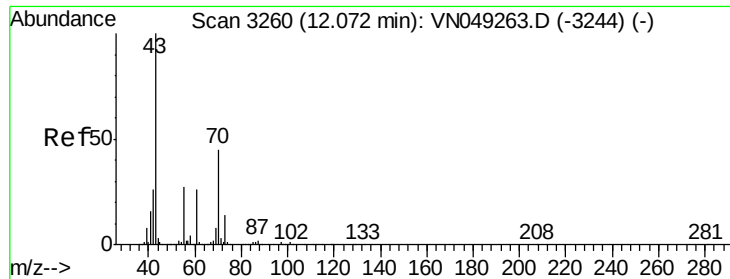
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049415.D
Acq: 20 Jun 2018 4:55

Tgt Ion:152 Resp: 456542
Ion Ratio Lower Upper
152 100
115 57.5 28.7 86.1
150 157.0 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





#74

N-amvl acetate

Concen: 0.26 ug/l

RT: 12.04 min Scan# 3249

Delta R.T. -0.04 min

Lab File: VN049415.D

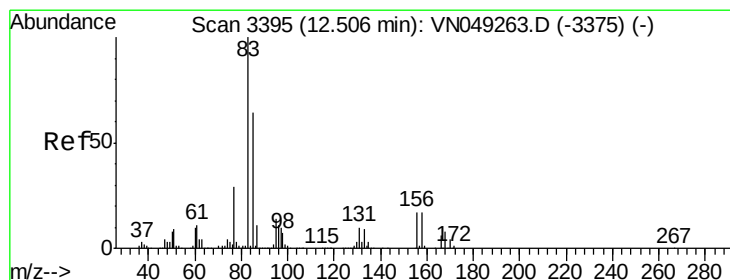
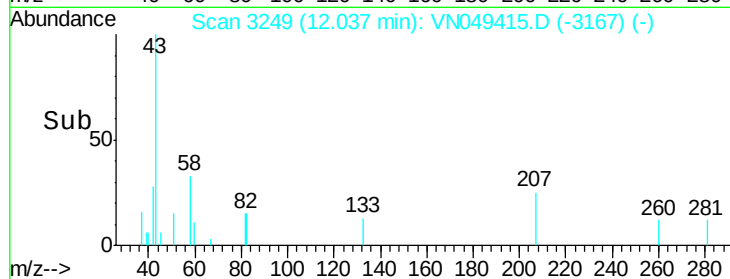
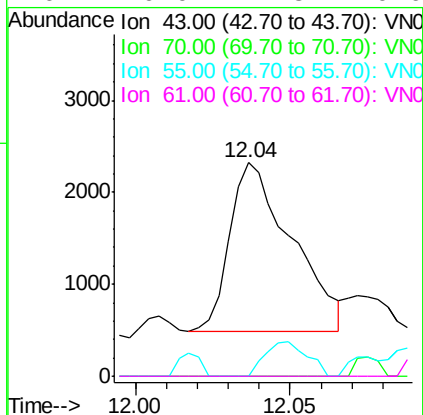
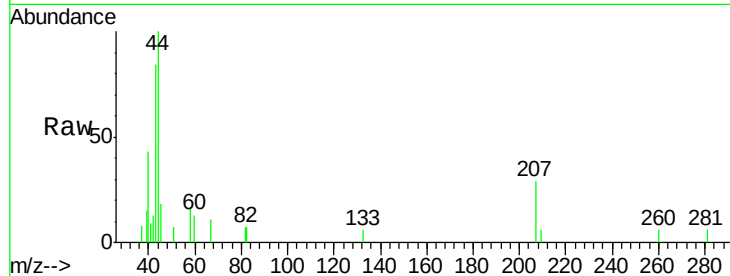
Acq: 20 Jun 2018 4:55

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	43	Resp:	2542
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.3	45.5#
55	14.0	19.4	29.2#
61	0.0	17.8	26.6#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

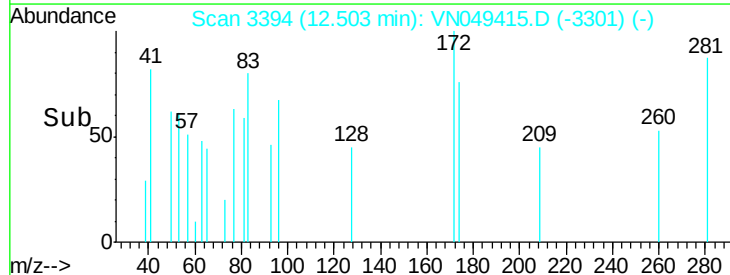
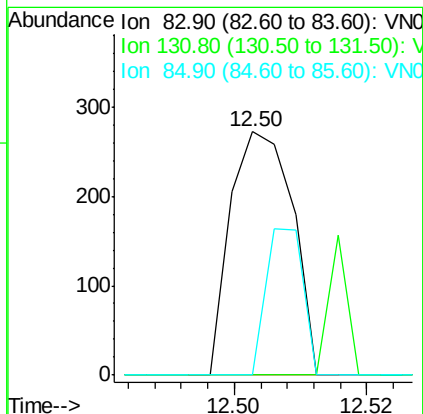
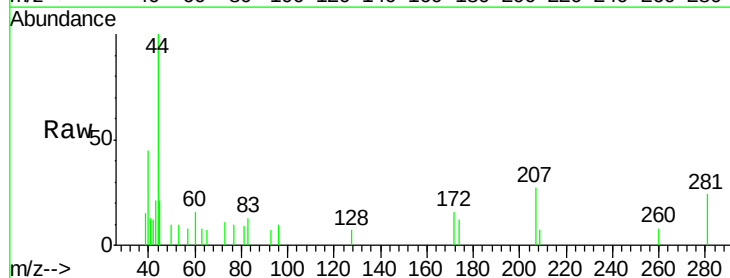
RT: 12.50 min Scan# 3394

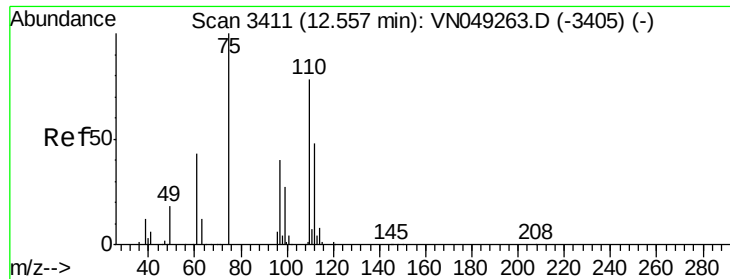
Delta R.T. -0.00 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

Tgt Ion:	83	Resp:	176
Ion	Ratio	Lower	Upper
83	100		
131	17.0	5.0	15.0#
85	35.8	32.0	96.0





#76

1,2,3-Trichloropropane

Concen: 41.34 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

Instrument :

MSVOA_N

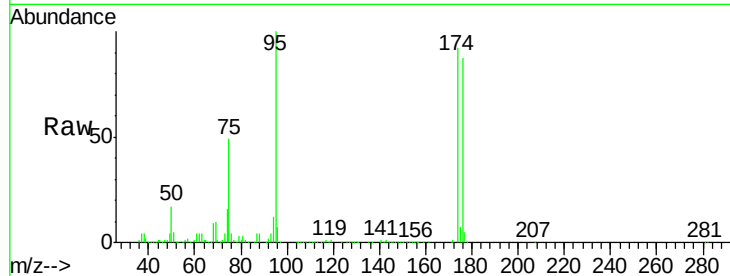
ClientSampled :

Tot Ion: 75 Resp: 322003

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.41

200000

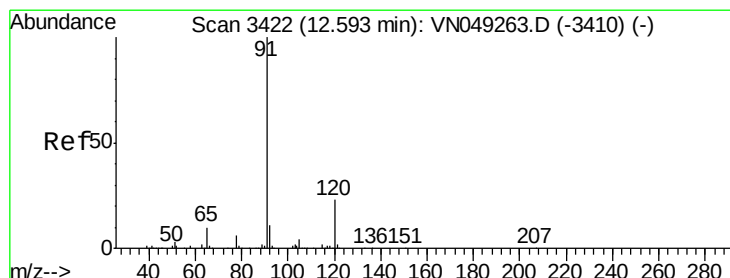
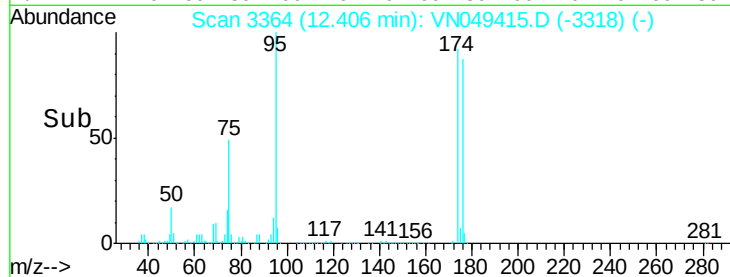
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 0.63 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049415.D

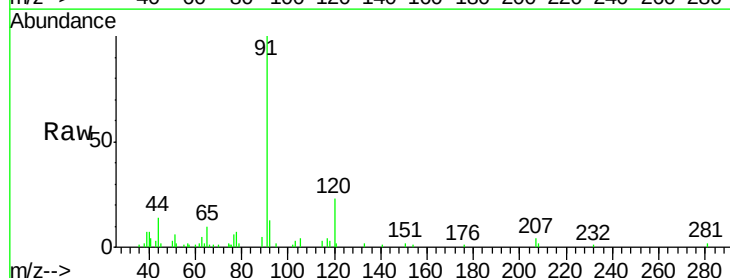
Acq: 20 Jun 2018 4:55

Tgt Ion: 91 Resp: 27785

Ion Ratio Lower Upper

91 100

120 23.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

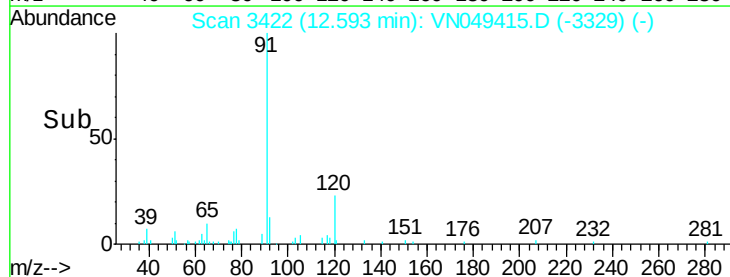
15000

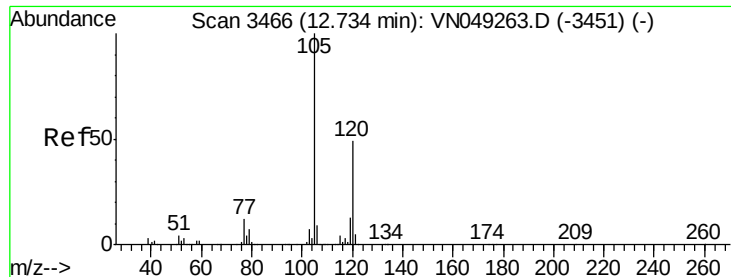
10000

5000

0

Time--> 12.55 12.60 12.65





#80

1,3,5-Trimethylbenzene

Concen: 1.46 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

Instrument :

MSVOA_N

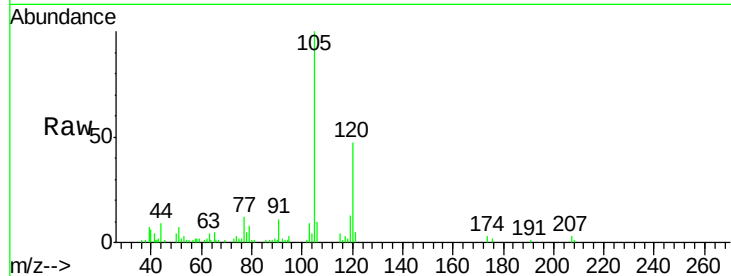
ClientSampleId :

Tot Ion:105 Resp: 45874

Ion Ratio Lower Upper

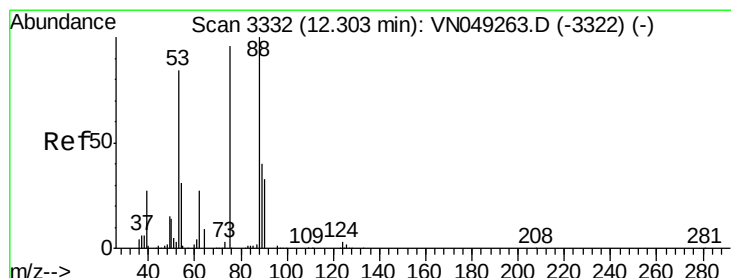
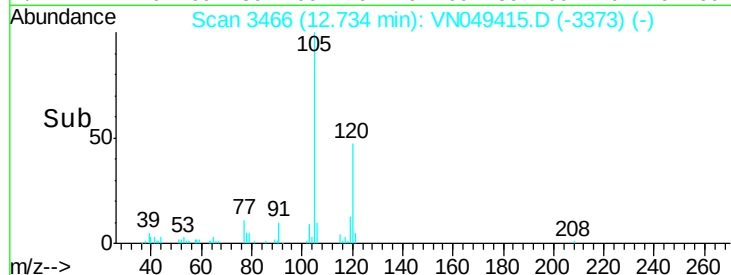
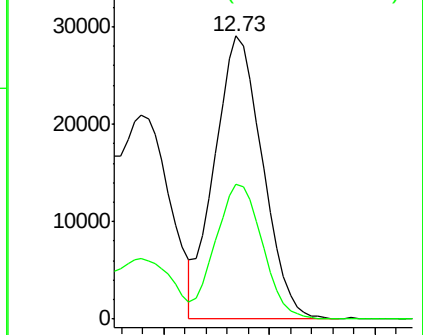
105 100

120 46.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 130.65 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

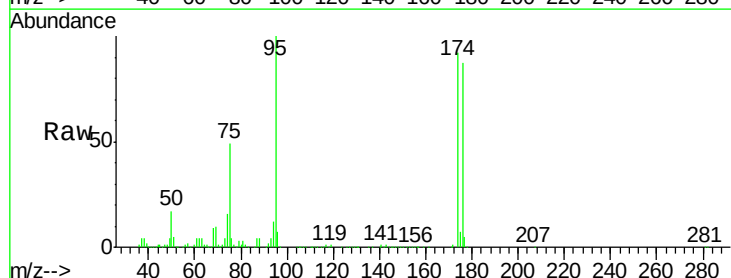
Tgt Ion: 75 Resp: 322003

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

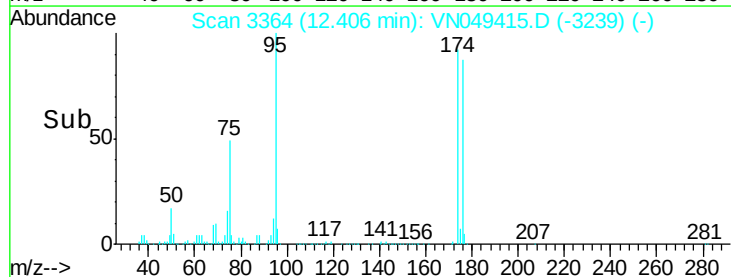
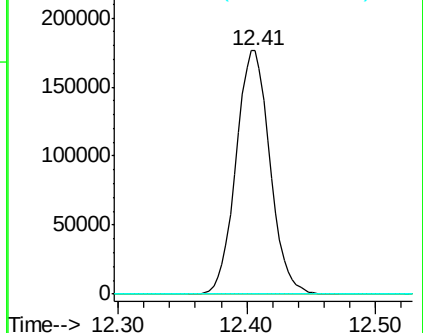
89 0.0 36.5 54.7#

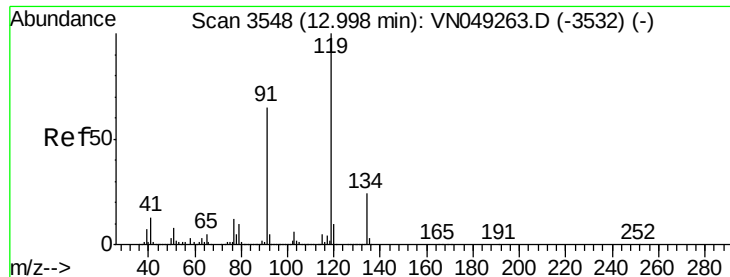


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

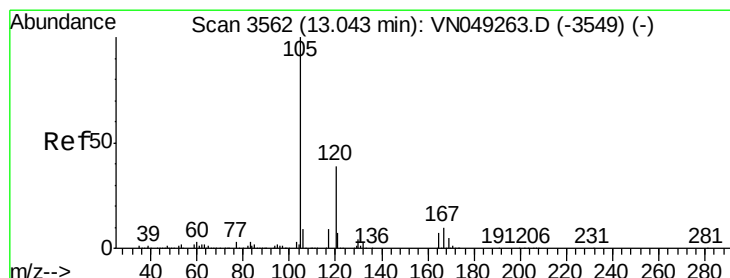
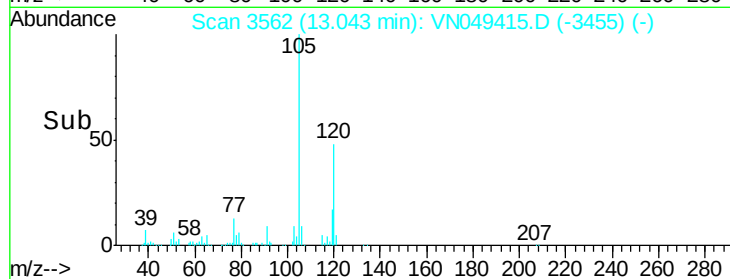
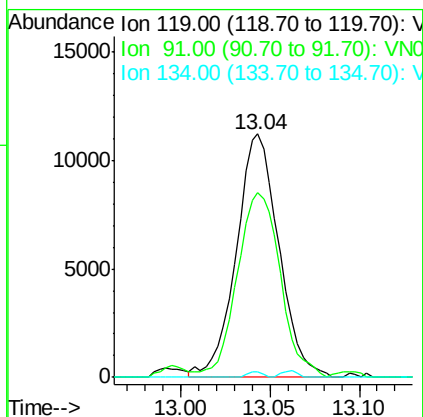
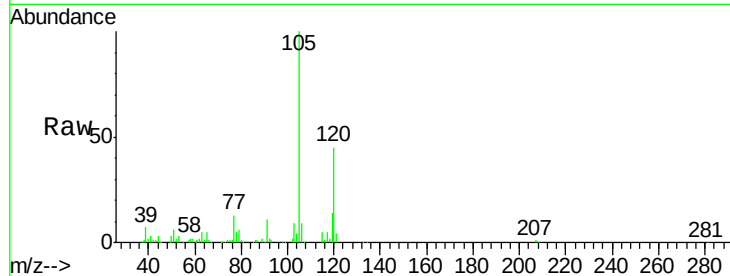




#83
 tert-Butylbenzene
 Concen: 0.67 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.05 min
 Lab File: VN049415.D
 Acq: 20 Jun 2018 4:55

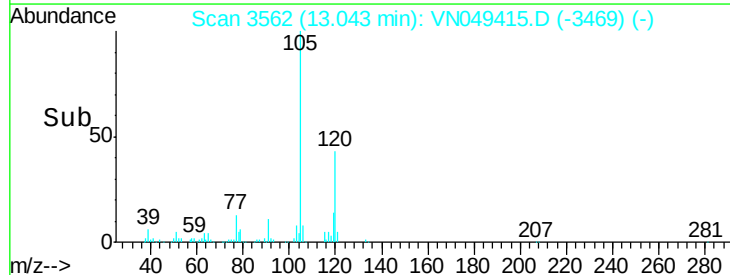
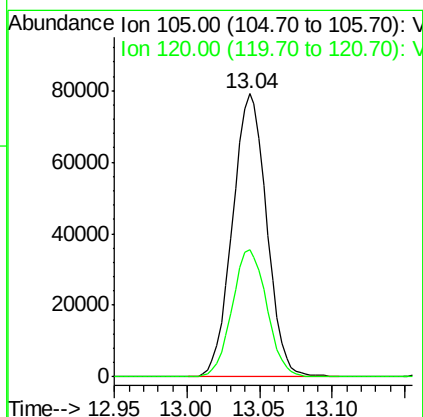
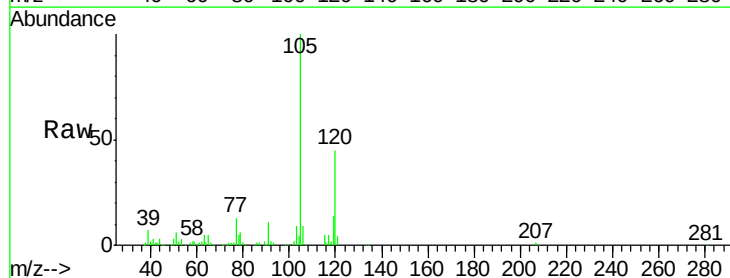
Instrument :
 MSVOA_N
 ClientSampleId :

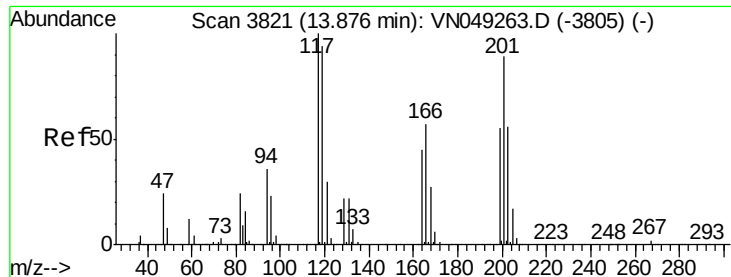
Tot Ion:119 Resp: 18722
 Ion Ratio Lower Upper
 119 100
 91 77.1 33.7 101.0
 134 0.9 12.9 38.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 4.13 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049415.D
 Acq: 20 Jun 2018 4:55

Tgt Ion:105 Resp: 129400
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.2 66.6





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

Instrument :

MSVOA_N

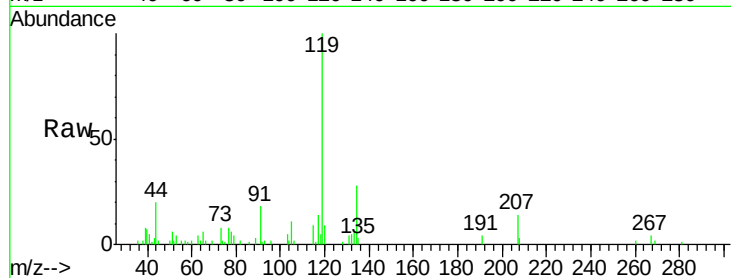
ClientSampled :

Tot Ion:117 Resp: 2526

Ion Ratio Lower Upper

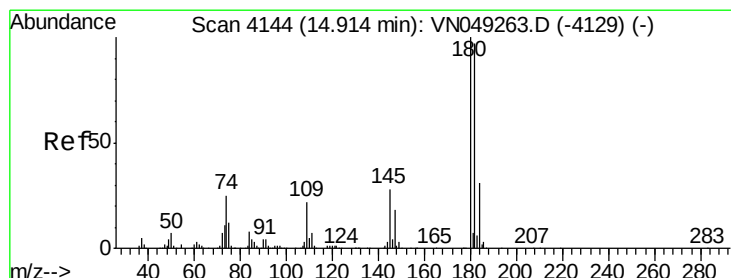
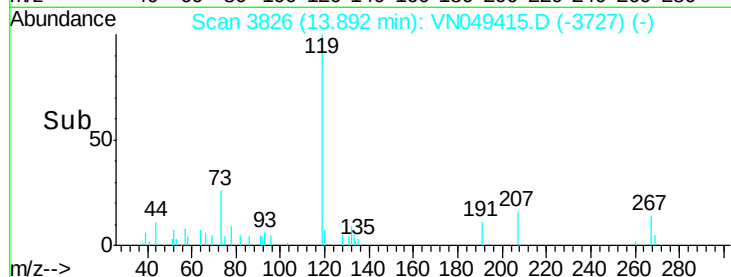
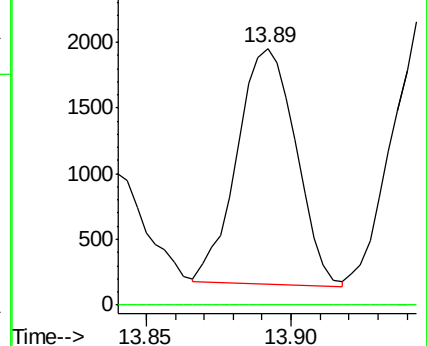
117 100

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: 4.86 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

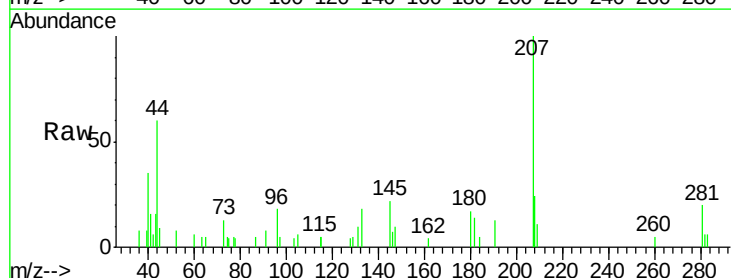
Tgt Ion:180 Resp: 982

Ion Ratio Lower Upper

180 100

182 93.2 46.9 140.8

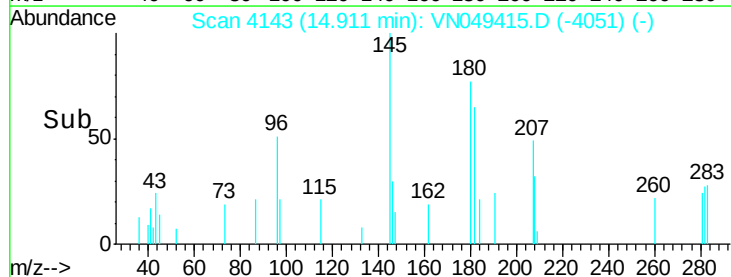
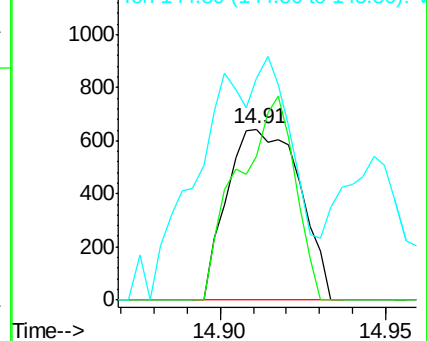
145 100.7 14.7 44.1#

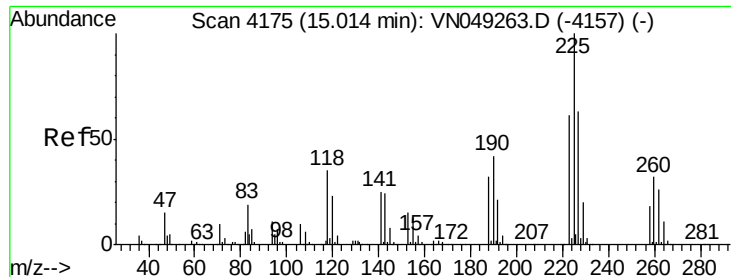


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4177

Delta R.T. 0.01 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

Instrument :

MSVOA_N

ClientSampleId :

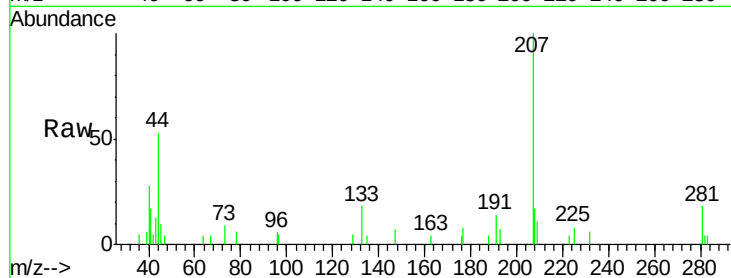
Tot Ion:225 Resp: 408

Ion Ratio Lower Upper

225 100

223 7.6 32.1 96.3#

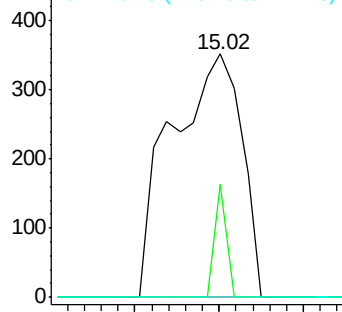
227 0.0 31.8 95.3#



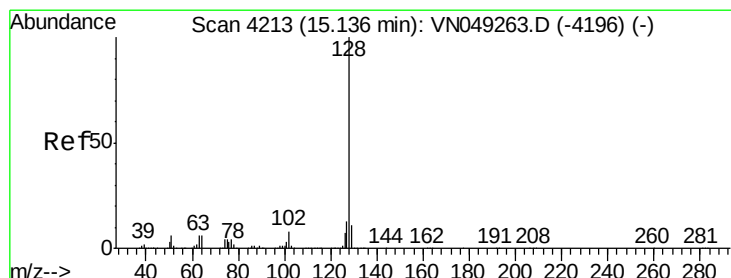
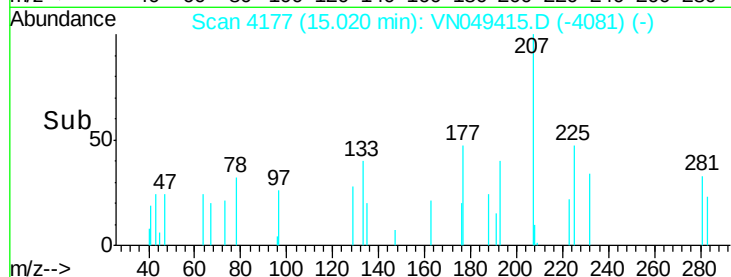
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 3.55 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049415.D

Acq: 20 Jun 2018 4:55

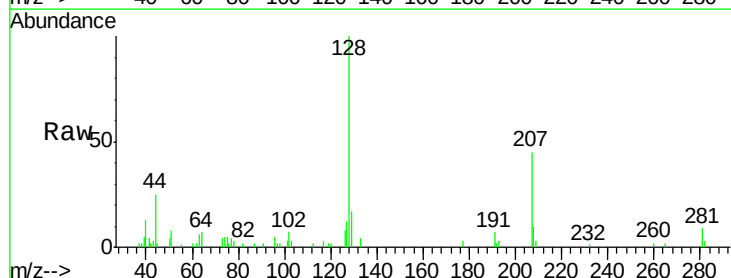
Tgt Ion:128 Resp: 18716

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

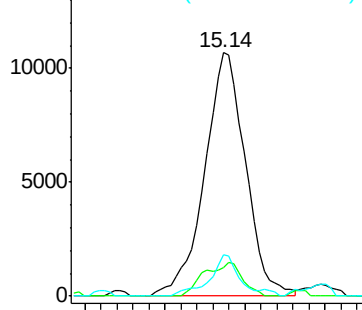
129 11.9 8.5 12.7



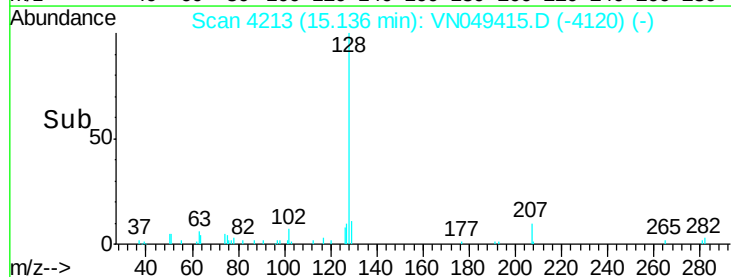
Abundance Ion 128.00 (127.70 to 128.70): V

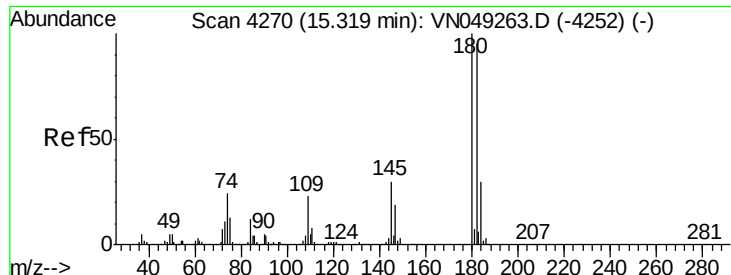
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 3.59 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049415.D
 Acq: 20 Jun 2018 4:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.6	47.3	141.8
145	41.9	15.6	46.7

