

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049444.D
 Acq On : 20 Jun 2018 18:46
 Operator : MD\SY
 Sample : J3581-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 01:30:28 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	1249871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1939670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1628537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	586876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	830479	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.59	113	732732	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
50) Toluene-d8	10.09	98	2668716	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	
62) 4-Bromofluorobenzene	12.40	95	734913	37.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.40%	

Target Compounds

						Qvalue
5) Bromomethane	2.57	94	3579	0.34	ug/l #	66
8) Diethyl Ether	3.41	74	11057	1.29	ug/l	92
11) Tert butyl alcohol	4.80	59	1767	1.82	ug/l #	82
13) Acrolein	3.61	56	221	0.22	ug/l #	82
14) Allyl chloride	4.55	41	77567	3.43	ug/l #	20
16) Acetone	3.83	43	46316	11.51	ug/l	91
17) Carbon Disulfide	4.05	76	13352	0.30	ug/l #	90
18) Methyl Acetate	4.33	43	89742	7.31	ug/l	95
20) Methylene Chloride	4.55	84	2222390	132.20	ug/l	92
25) 2-Butanone	6.85	43	24564	4.54	ug/l	97
29) Tetrahydrofuran	7.22	42	1534	0.44	ug/l #	79
30) Chloroform	7.38	83	8498	0.30	ug/l	94
31) Cyclohexane	7.67	56	21882	0.72	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	87061	3.92	ug/l #	50
37) Ethyl Acetate	6.85	43	24564	2.03	ug/l #	72
38) Carbon Tetrachloride	7.67	117	111124	4.83	ug/l #	17
43) Isopropyl Acetate	8.26	43	225159	9.75	ug/l #	64
49) 1,4-Dioxane	9.21	88	404	2.69	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	6399	0.53	ug/l	96
52) Toluene	10.16	92	8540	0.21	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.75	63	64	14.34	ug/l #	51
59) 2-Hexanone	10.75	43	4375	0.56	ug/l	64
65) Chlorobenzene	11.44	112	8423	0.20	ug/l #	88
68) m/p-Xylenes	11.62	106	8603	0.33	ug/l	95
71) Bromoform	12.40	173	5400	0.53	ug/l #	1
73) Isopropylbenzene	12.25	105	10476	0.20	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.53	83	244	Below	Cal #	56
76) 1,2,3-Trichloropropane	12.40	75	360702	36.02	ug/l #	100
77) Bromobenzene	12.57	156	35065	2.58	ug/l #	1
78) n-propylbenzene	12.60	91	27560	0.49	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	11779	0.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	360702	113.85	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	34023	0.85	ug/l	96
85) sec-Butylbenzene	13.18	105	13951	0.29	ug/l #	77

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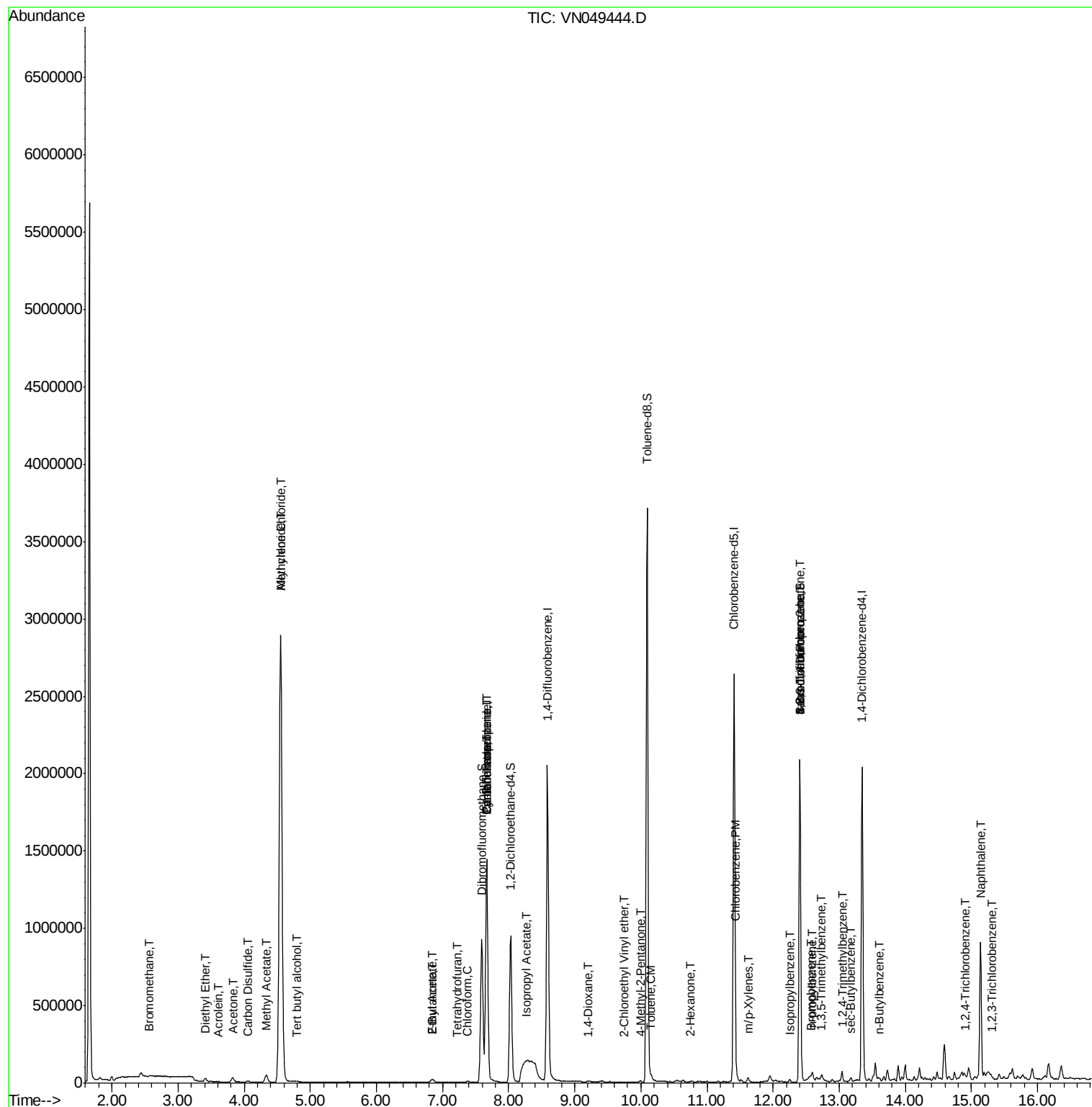
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.62	91	7571	0.24	ug/l #	84
90) Hexachloroethane	13.89	117	6302	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.91	180	2245	4.94	ug/l #	1
95) Naphthalene	15.14	128	783929	44.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	595	3.51	ug/l #	27

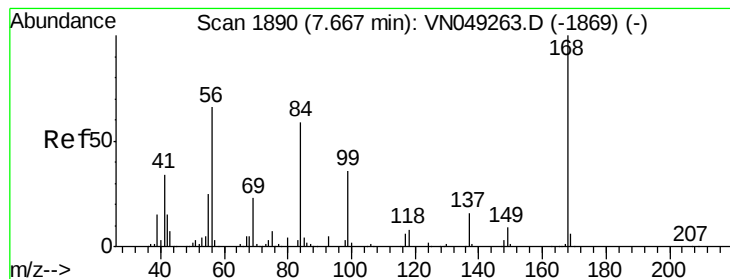
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062018\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

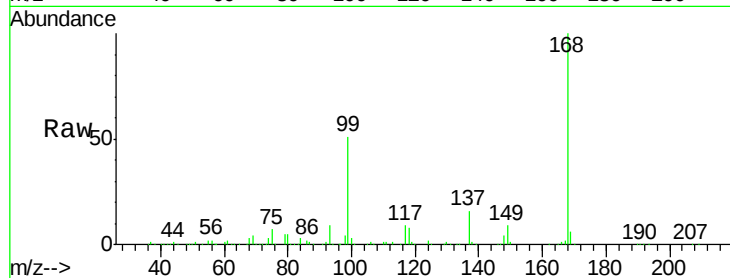
ClientSampleId :

Tot Ion:168 Resp: 1249871

Ion Ratio Lower Upper

168 100

99 50.9 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

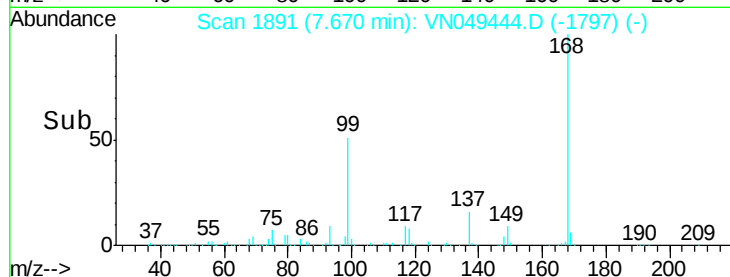
200000

100000

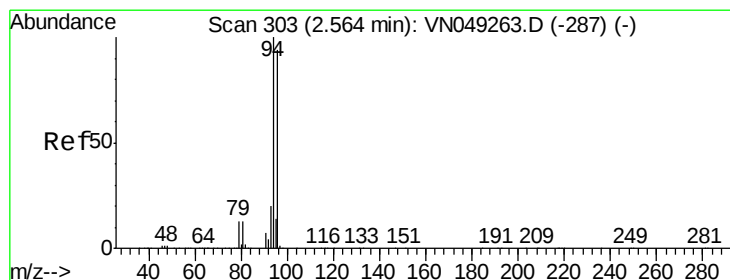
0

7.67

7.50 7.60 7.70 7.80



Time-->



#5

Bromomethane

Concen: 0.34 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049444.D

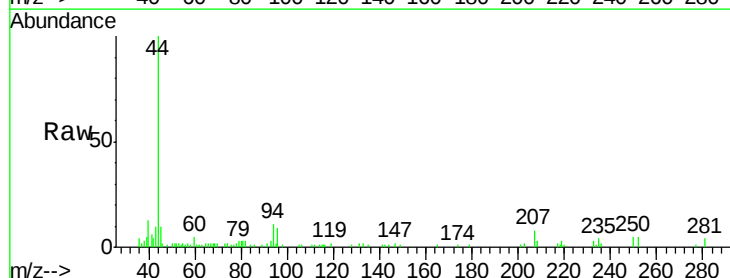
Acq: 20 Jun 2018 18:46

Tgt Ion: 94 Resp: 3579

Ion Ratio Lower Upper

94 100

96 58.5 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

1500

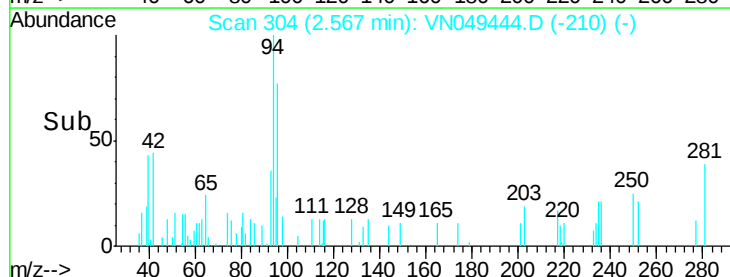
1000

500

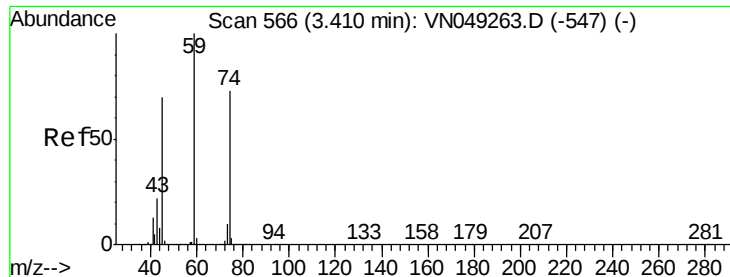
0

2.57

2.50 2.55 2.60



Time-->



#8

Diethyl Ether

Concen: 1.29 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

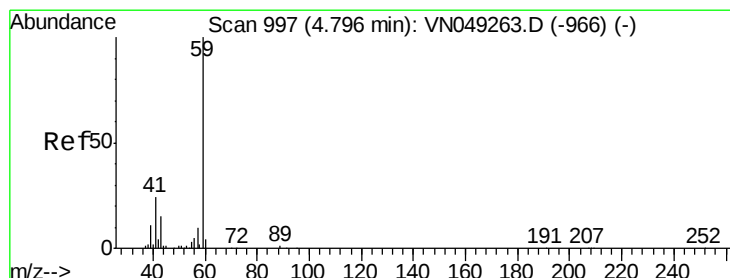
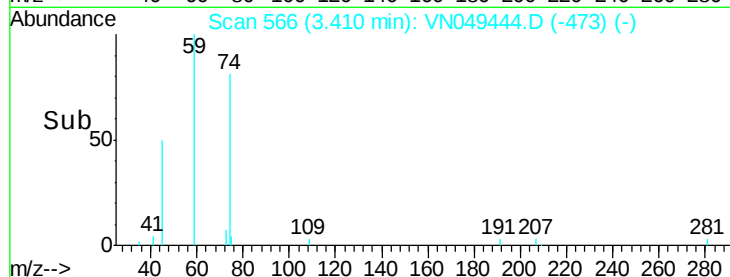
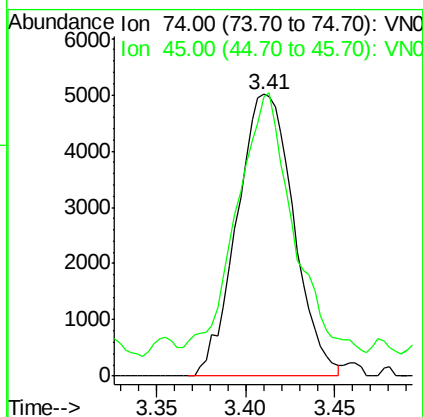
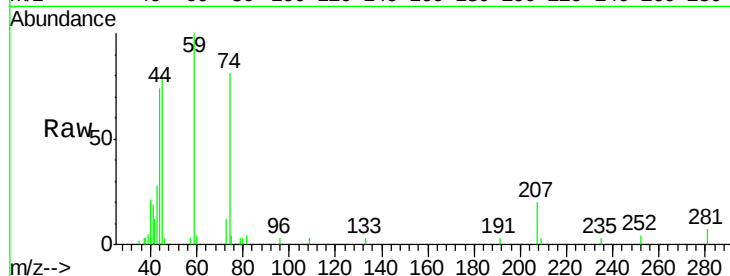
ClientSampled :

Tot Ion: 74 Resp: 11057

Ion Ratio Lower Upper

74 100

45 96.0 51.9 155.8



#11

Tert butyl alcohol

Concen: 1.82 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.01 min

Lab File: VN049444.D

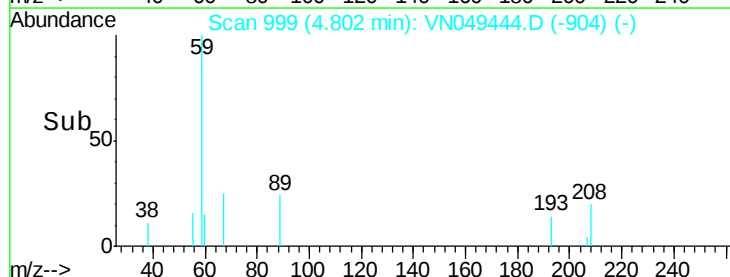
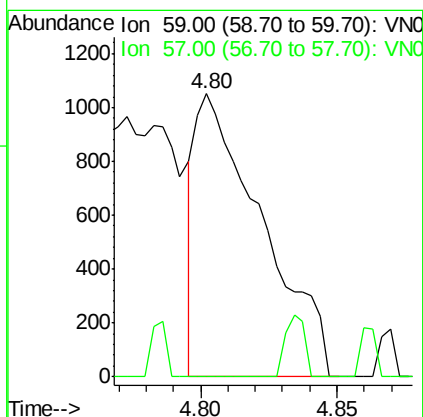
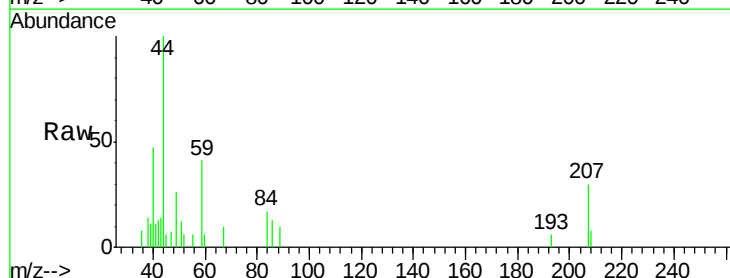
Acq: 20 Jun 2018 18:46

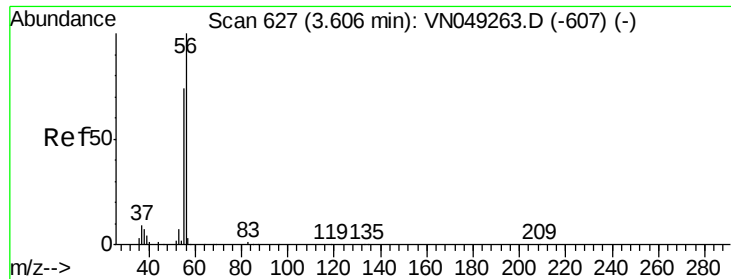
Tgt Ion: 59 Resp: 1767

Ion Ratio Lower Upper

59 100

57 4.3 9.0 13.6#





#13

Acrolein

Concen: 0.22 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

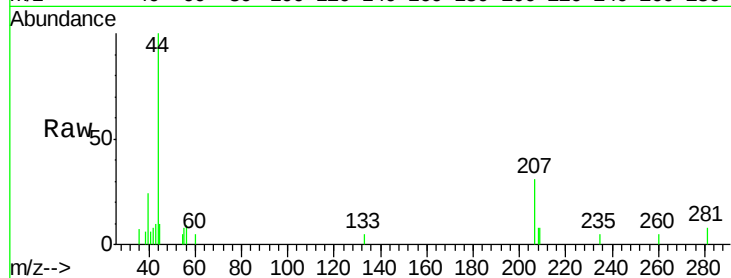
ClientSampled :

Tot Ion: 56 Resp: 221

Ion Ratio Lower Upper

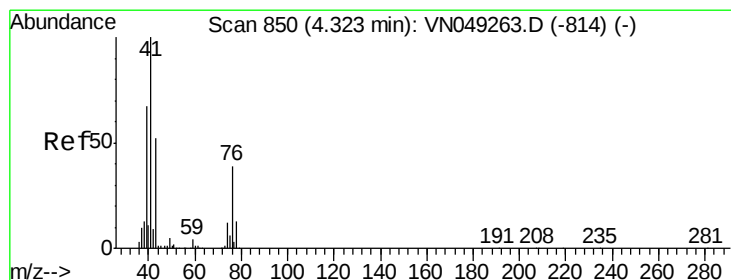
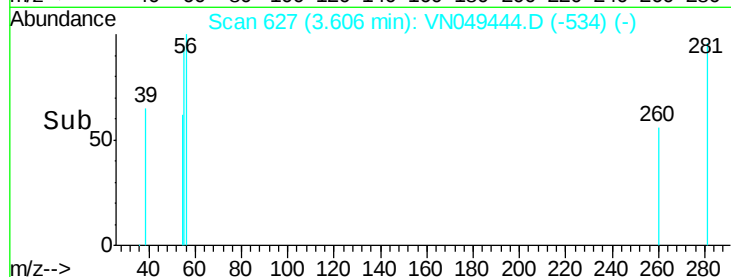
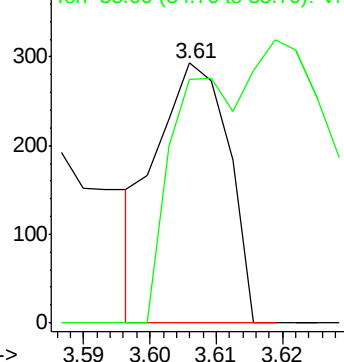
56 100

55 86.4 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 3.43 ug/l

RT: 4.55 min Scan# 920

Delta R.T. 0.23 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

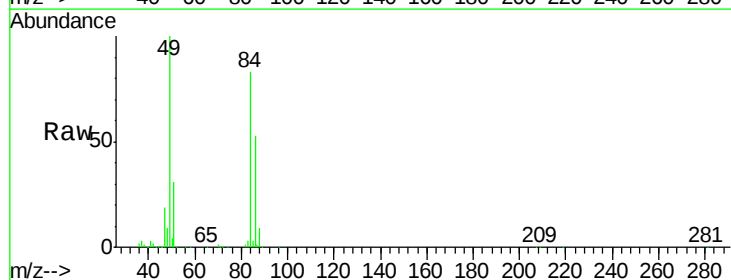
Tgt Ion: 41 Resp: 77567

Ion Ratio Lower Upper

41 100

39 0.2 62.5 93.7#

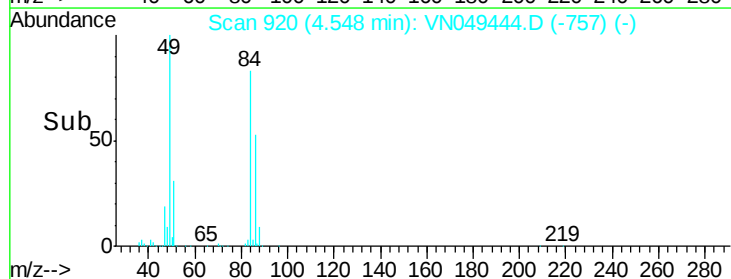
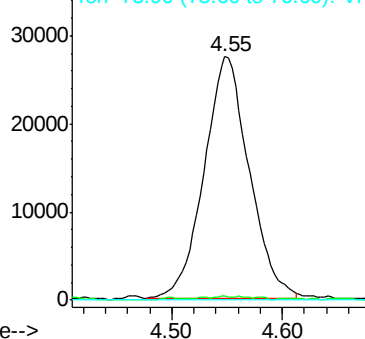
76 0.0 27.1 40.7#

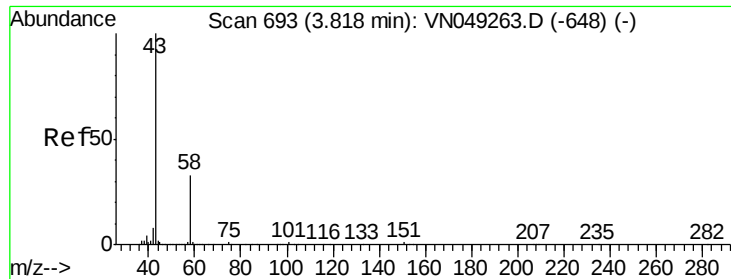


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 11.51 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

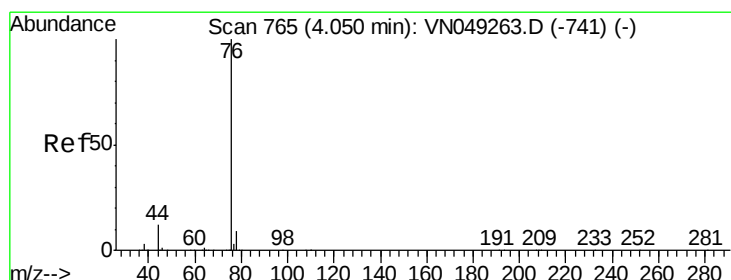
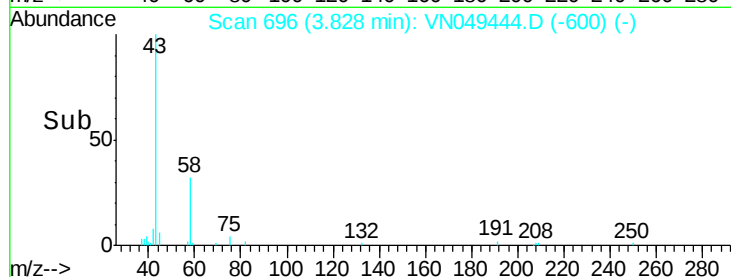
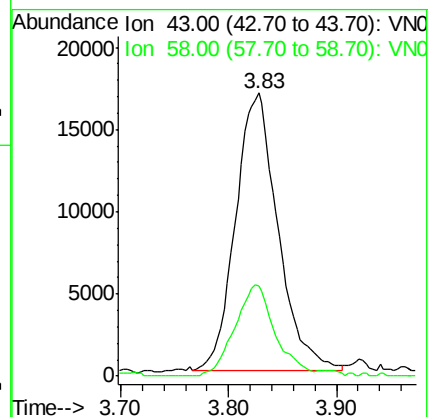
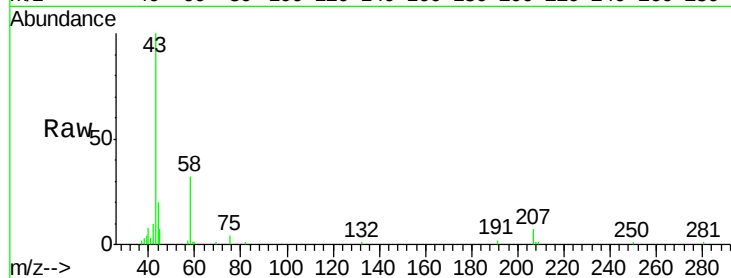
ClientSampleId :

Tot Ion: 43 Resp: 46316

Ion Ratio Lower Upper

43 100

58 32.7 22.4 33.6



#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049444.D

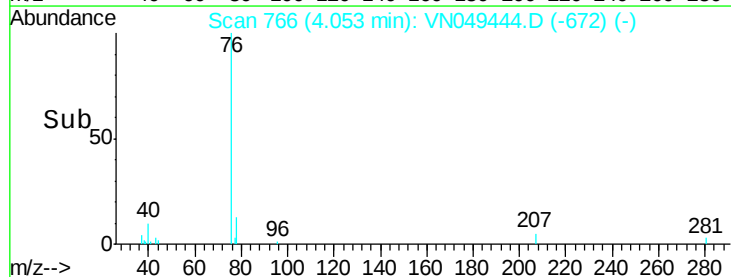
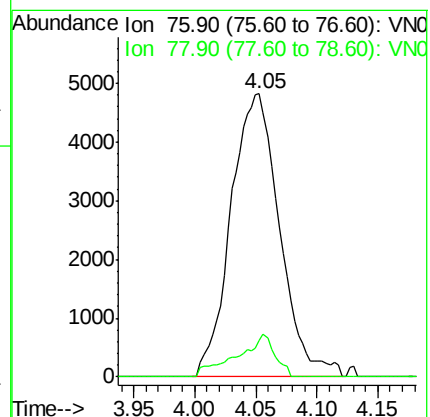
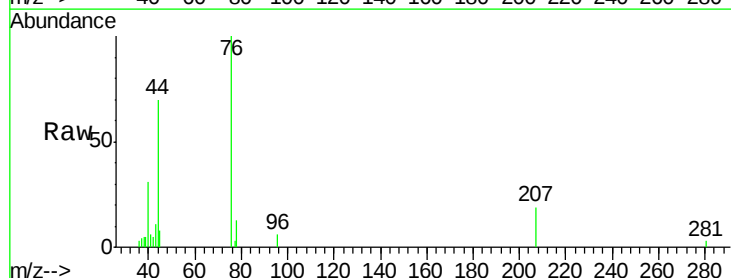
Acq: 20 Jun 2018 18:46

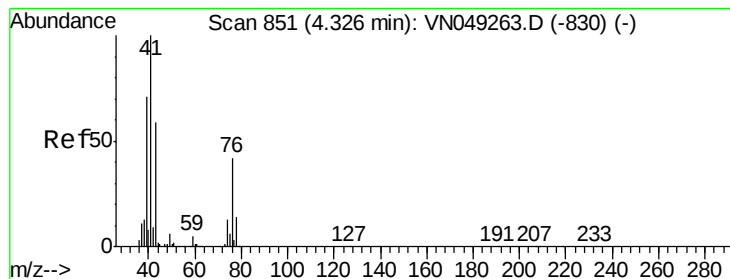
Tgt Ion: 76 Resp: 13352

Ion Ratio Lower Upper

76 100

78 12.9 7.4 11.0#





#18

Methvl Acetate

Concen: 7.31 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

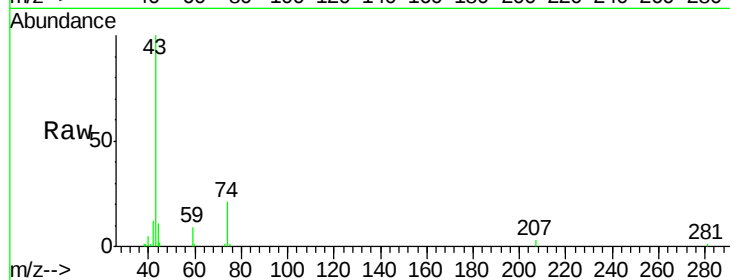
ClientSampleId :

Tot Ion: 43 Resp: 89742

Ion Ratio Lower Upper

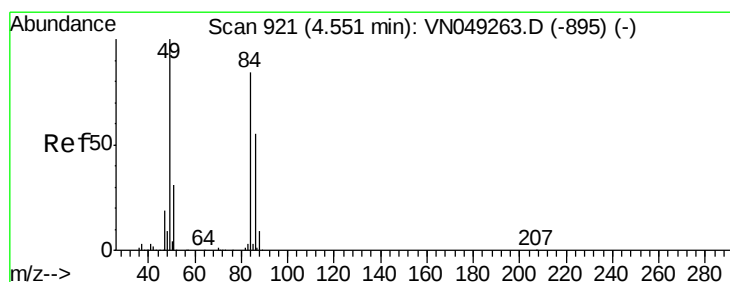
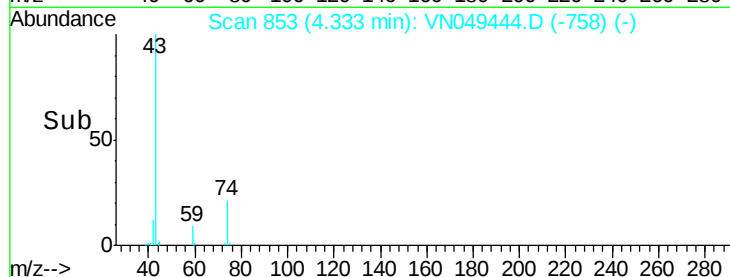
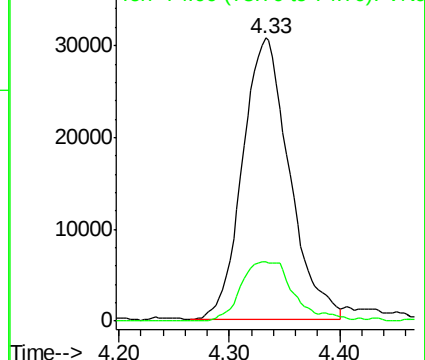
43 100

74 24.0 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: 132.20 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Tgt Ion: 84 Resp: 2222390

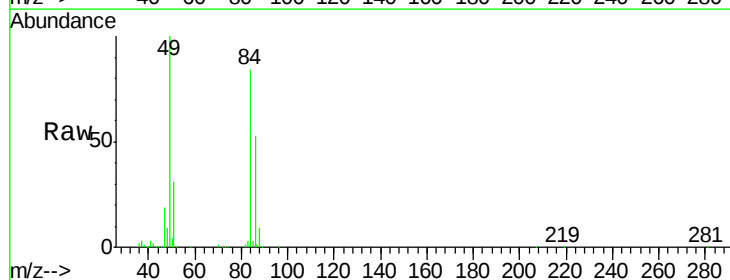
Ion Ratio Lower Upper

84 100

49 119.6 106.9 160.3

51 37.2 32.7 49.1

86 64.0 49.8 74.8

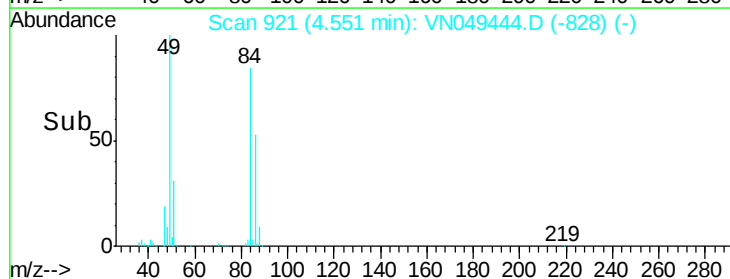
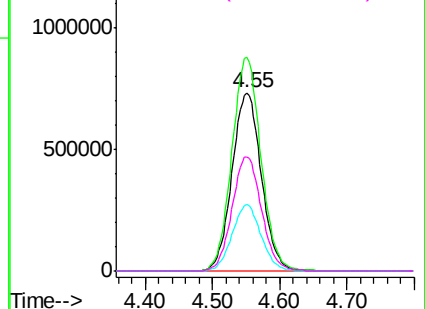


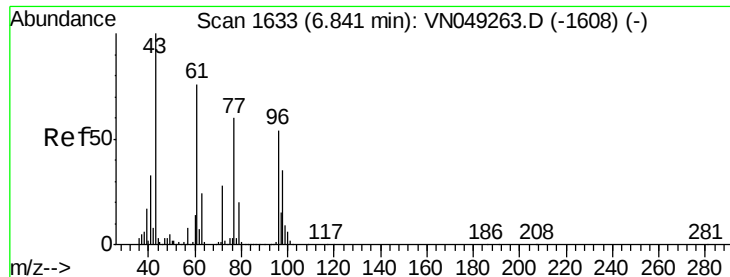
Abundance Ion 83.90 (83.60 to 84.60): VN0

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

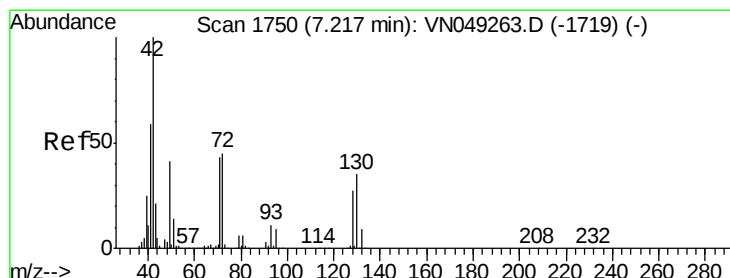
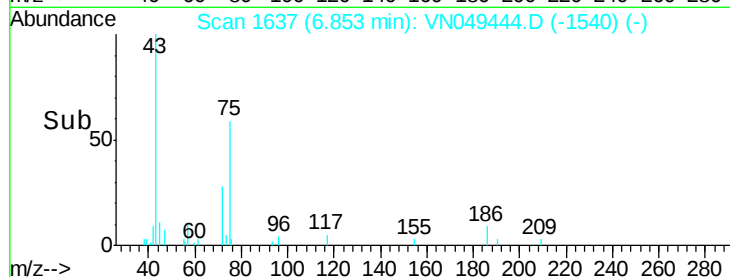
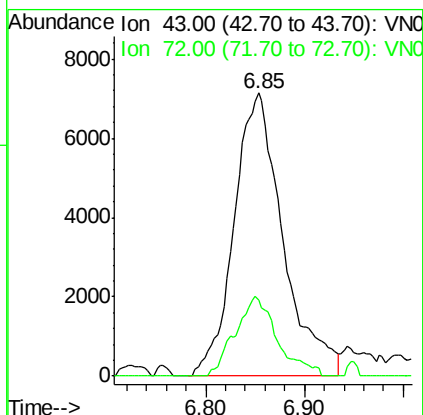
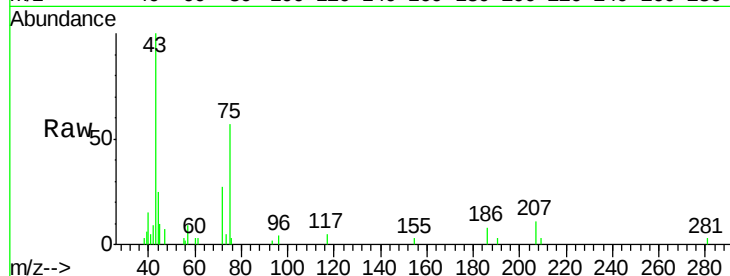




#25
2-Butanone
Concen: 4.54 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

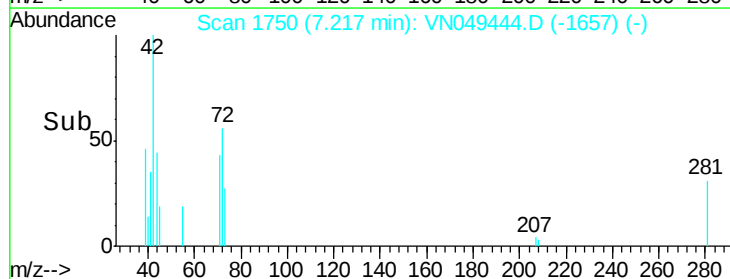
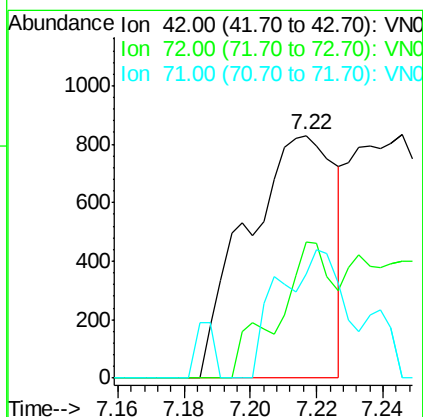
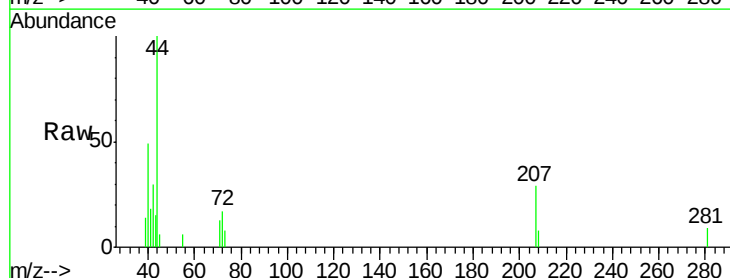
Instrument :
MSVOA_N
ClientSampled :

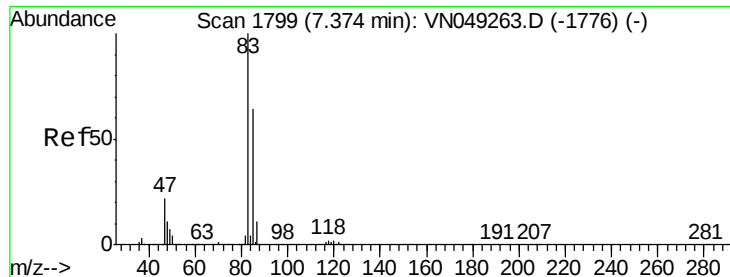
Tot Ion: 43 Resp: 24564
Ion Ratio Lower Upper
43 100
72 26.9 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.44 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

Tgt Ion: 42 Resp: 1534
Ion Ratio Lower Upper
42 100
72 16.4 32.2 48.4#
71 39.3 30.5 45.7

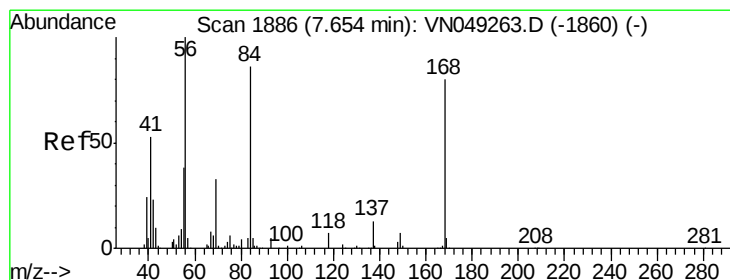
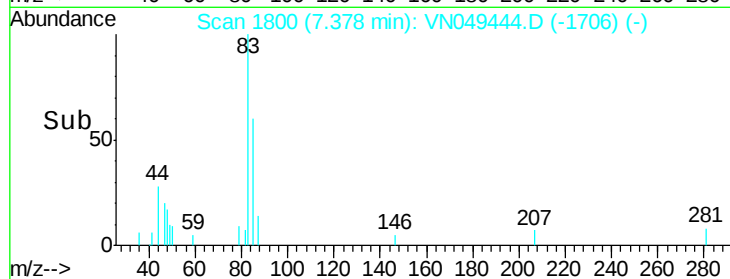
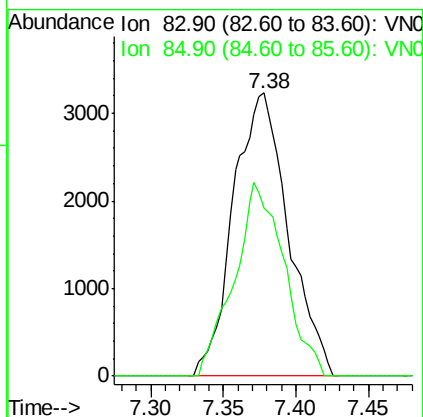
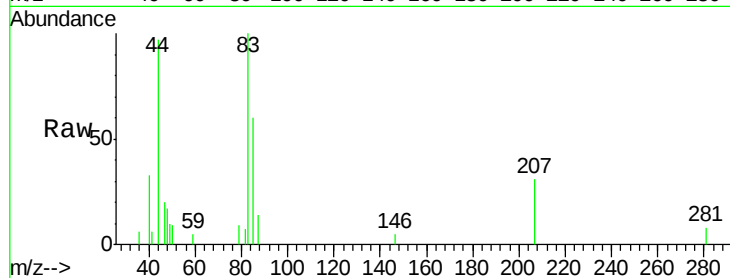




#30
Chloroform
Concen: 0.30 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

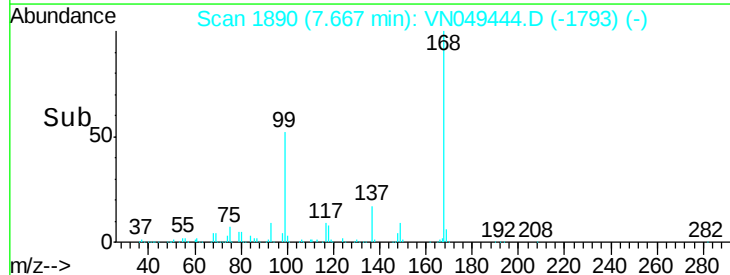
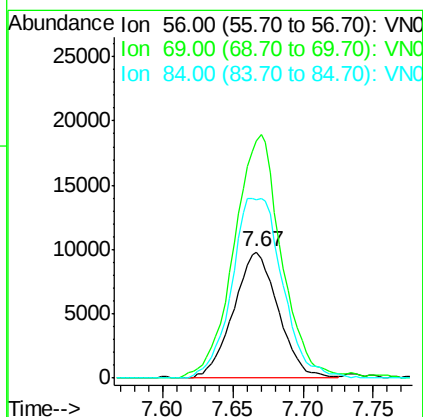
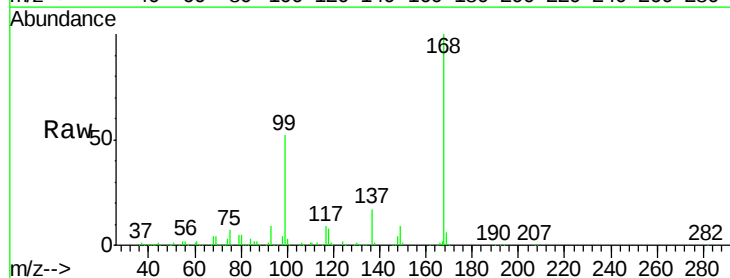
Instrument :
MSVOA_N
ClientSampleId :

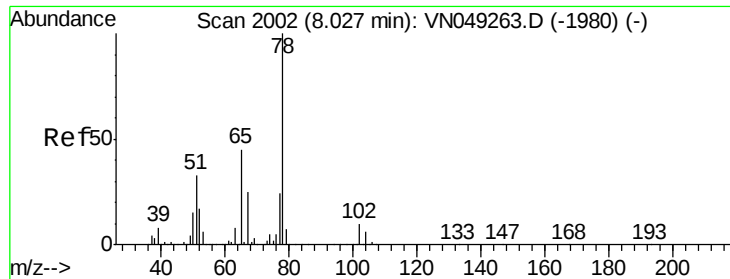
Tot Ion: 83 Resp: 8498
Ion Ratio Lower Upper
83 100
85 59.6 51.7 77.5



#31
Cyclohexane
Concen: 0.72 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

Tgt Ion: 56 Resp: 21882
Ion Ratio Lower Upper
56 100
69 184.4 25.0 37.4#
84 140.9 64.6 96.8#

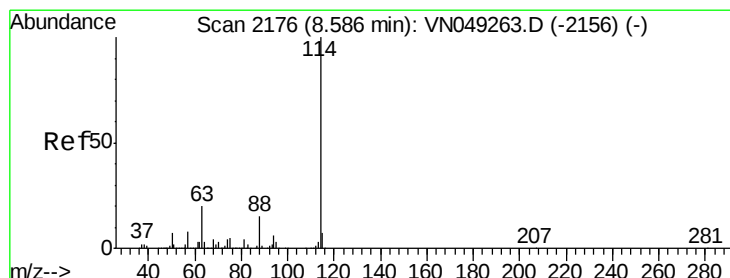
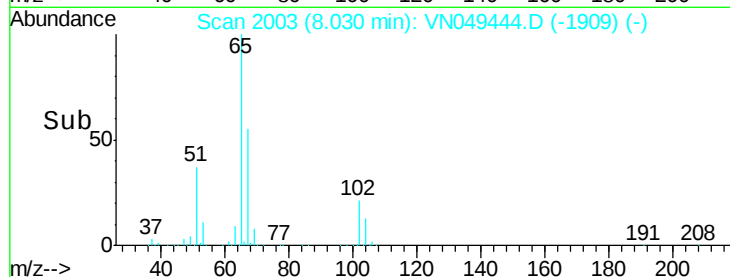
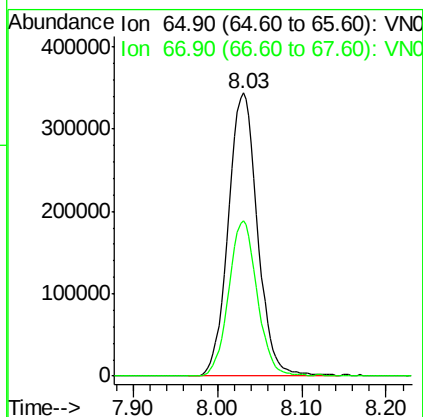
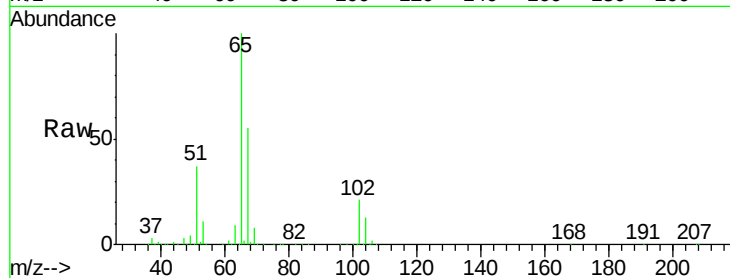




#33
 1,2-Dichloroethane-d4
 Concen: 50.10 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049444.D
 Acq: 20 Jun 2018 18:46

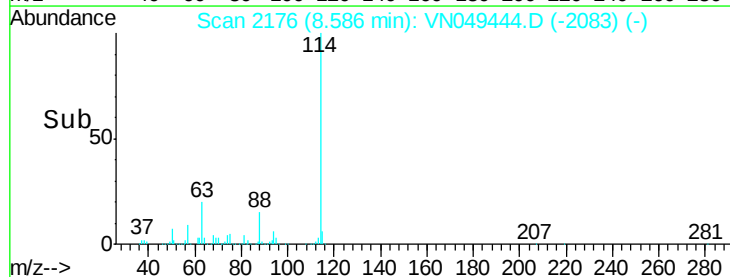
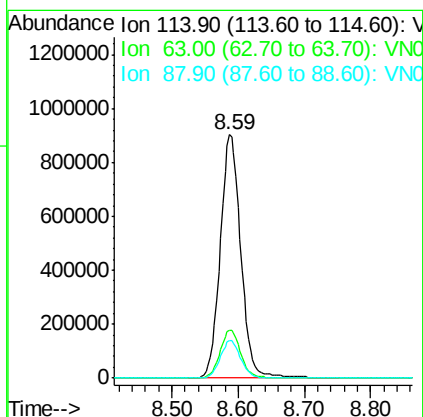
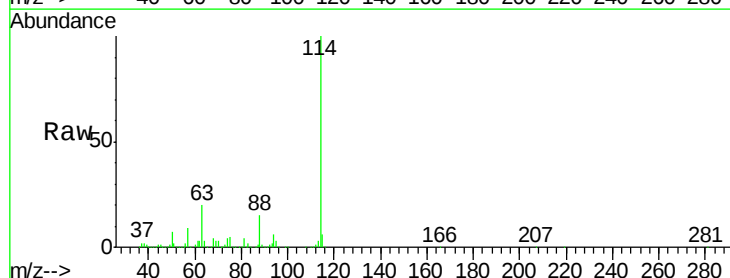
Instrument :
 MSVOA_N
 ClientSampleId :

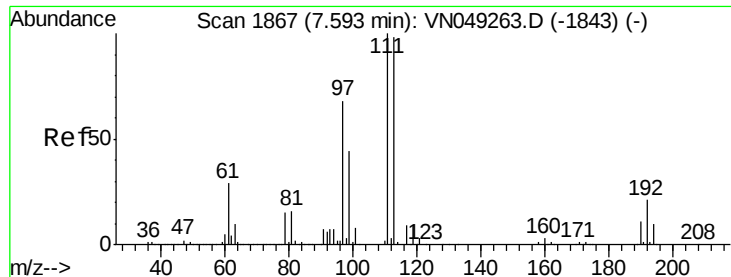
Tot Ion: 65 Resp: 830479
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049444.D
 Acq: 20 Jun 2018 18:46

Tgt Ion: 114 Resp: 1939670
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.4 0.0 31.4

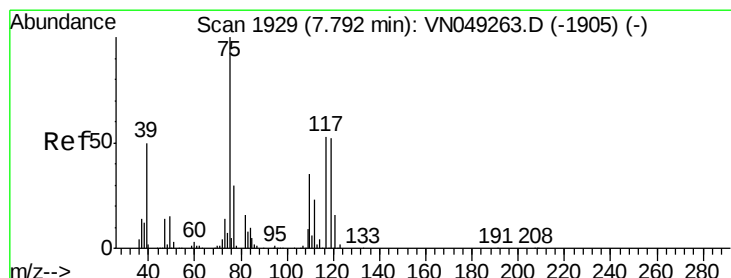
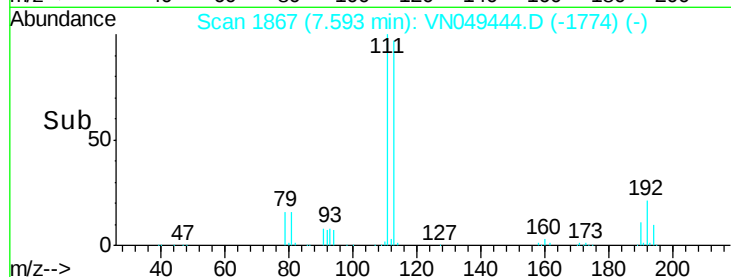
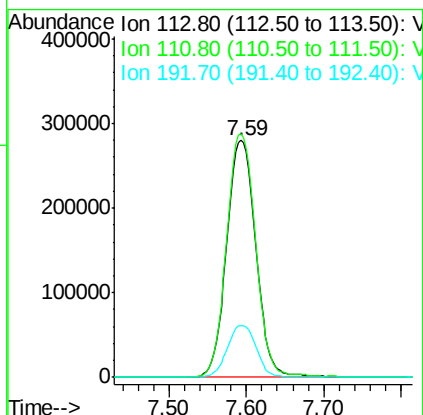
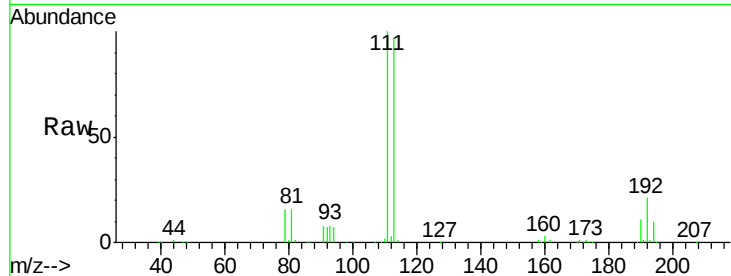




#35
Dibromofluoromethane
Concen: 46.69 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

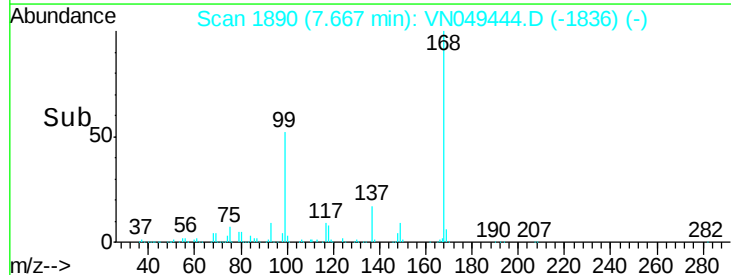
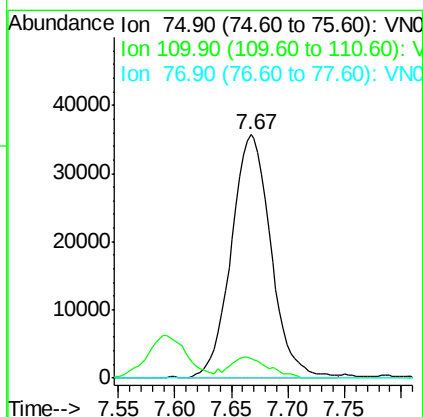
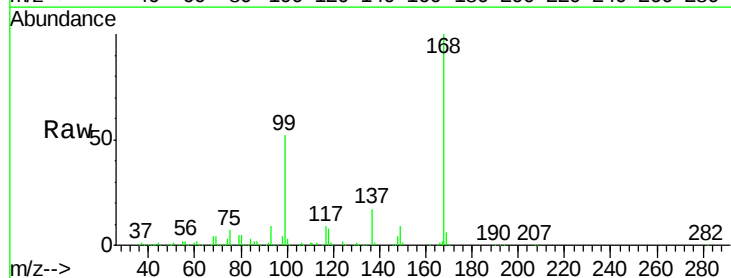
Instrument :
MSVOA_N
ClientSampleId :

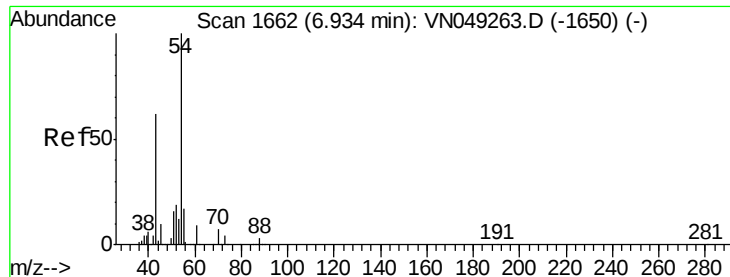
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	21.7	15.0	22.6



#36
1,1-Dichloropropene
Concen: 3.92 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	50.9#
77	0.0	24.4	36.6#

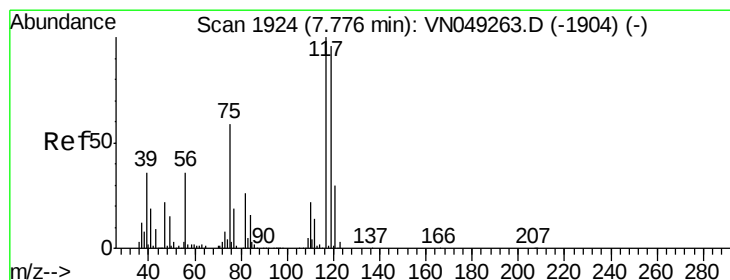
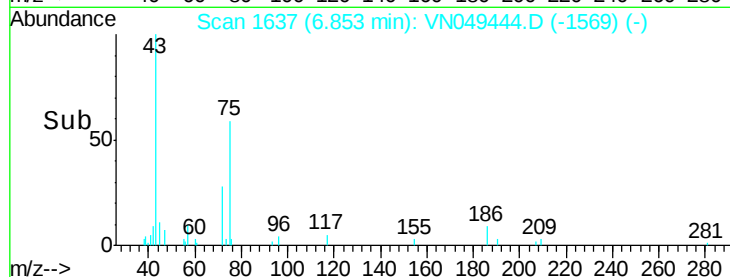
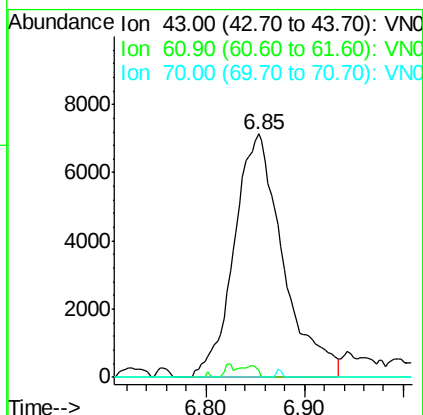
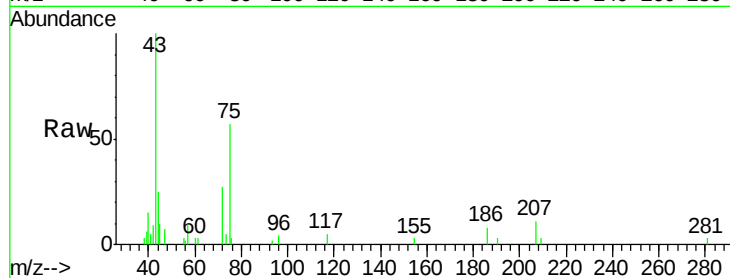




#37
Ethyl Acetate
Concen: 2.03 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. -0.08 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

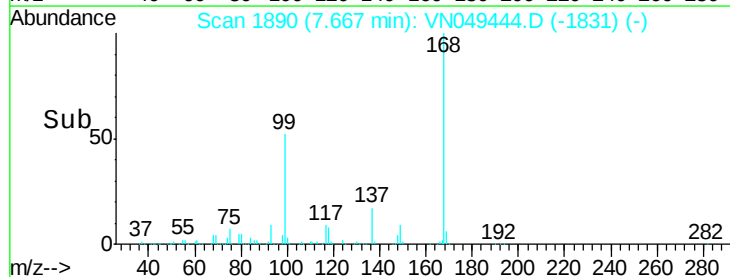
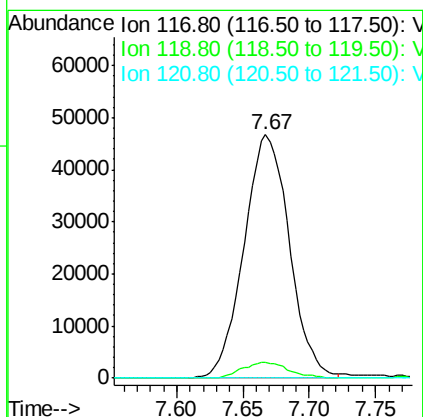
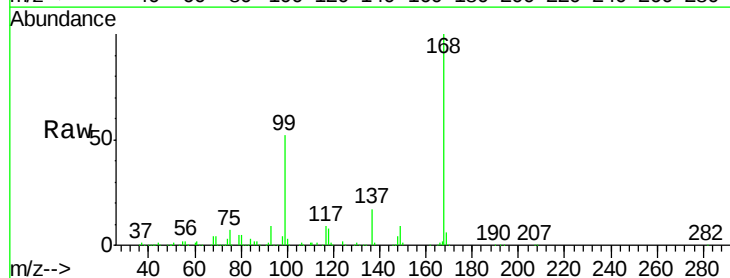
Instrument :
MSVOA_N
ClientSampleId :

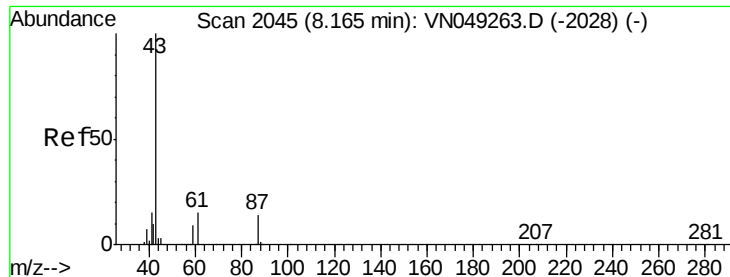
Tot Ion: 43 Resp: 24564
Ion Ratio Lower Upper
43 100
61 1.6 11.0 16.4#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.83 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

Tgt Ion: 117 Resp: 111124
Ion Ratio Lower Upper
117 100
119 6.3 75.6 113.4#
121 0.0 24.7 37.1#



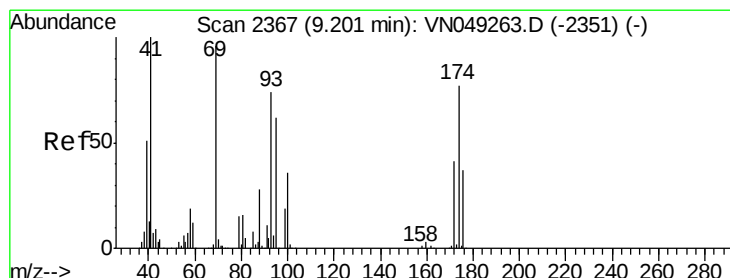
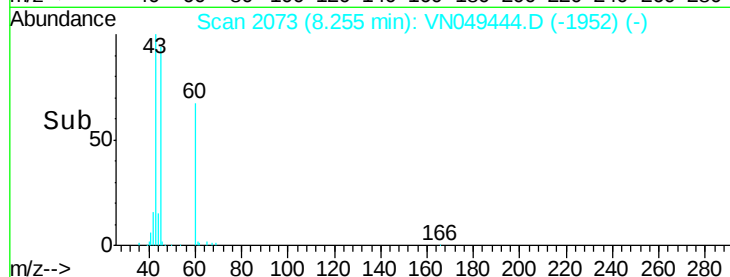
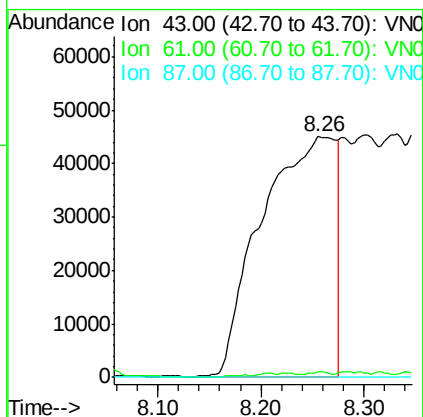
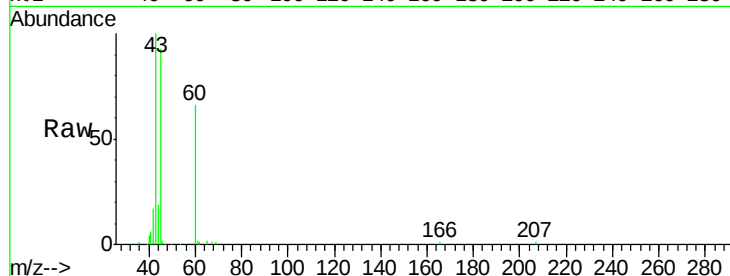


#43

Isopropyl Acetate
 Concen: 9.75 ug/l
 RT: 8.26 min Scan# 2073
 Delta R.T. 0.09 min
 Lab File: VN049444.D
 Acq: 20 Jun 2018 18:46

Instrument :
 MSVOA_N
 ClientSampled :

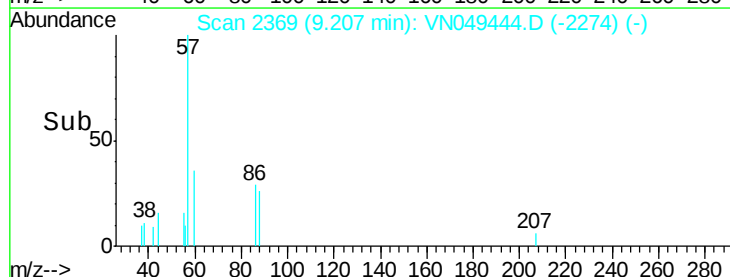
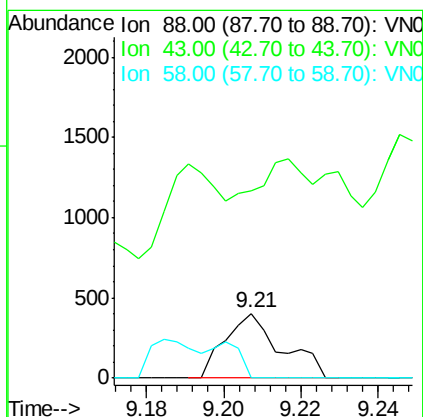
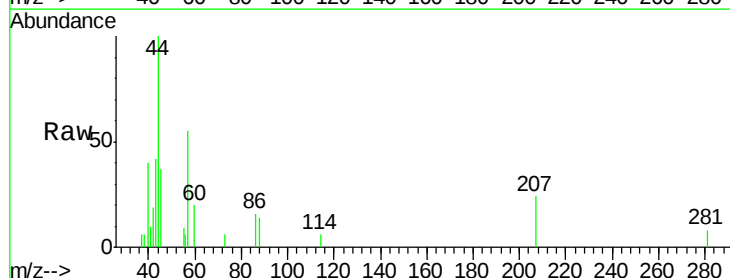
Tot Ion	43	Resp	225159
Ion Ratio	100		
Lower	14.2		
Upper	21.4#		
61	0.2		
87	0.0		
	9.4		
	14.0#		

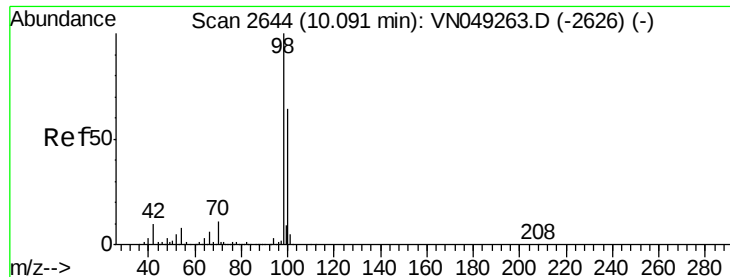


#49

1,4-Dioxane
 Concen: 2.69 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. 0.01 min
 Lab File: VN049444.D
 Acq: 20 Jun 2018 18:46

Tgt Ion	88	Resp	404
Ion Ratio	100		
Lower	30.9		
Upper	46.3#		
43	81.7		
58	0.0		
	58.9		
	88.3#		





#50

Toluene-d8

Concen: 44.66 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

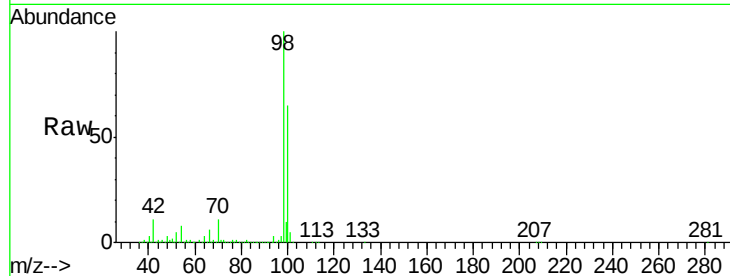
ClientSampleId :

Tot Ion: 98 Resp: 2668716

Ion Ratio Lower Upper

98 100

100 63.6 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)

10.09

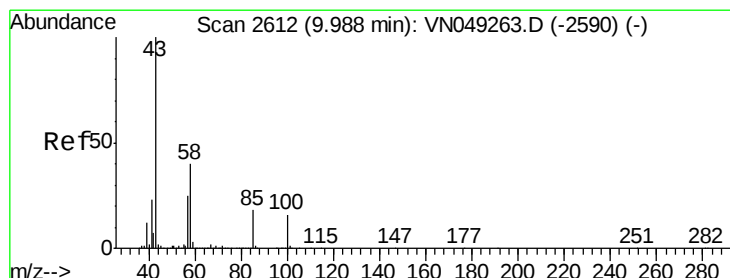
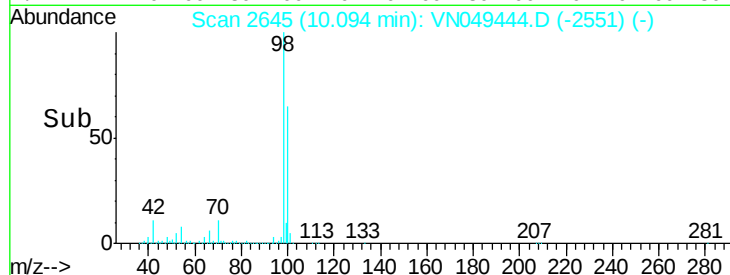
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.53 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN049444.D

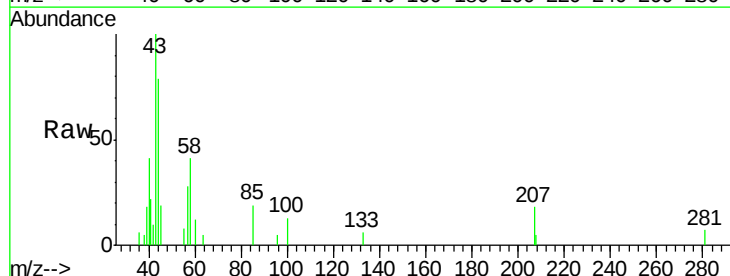
Acq: 20 Jun 2018 18:46

Tgt Ion: 43 Resp: 6399

Ion Ratio Lower Upper

43 100

58 33.7 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

9.99

10000

8000

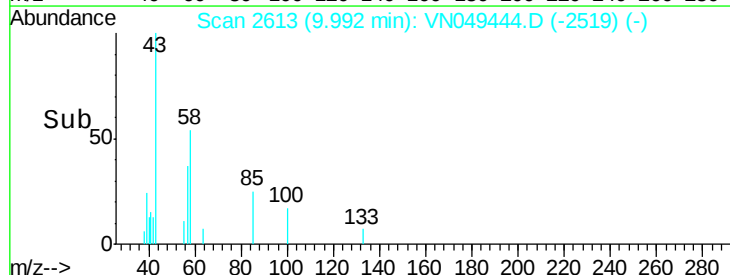
6000

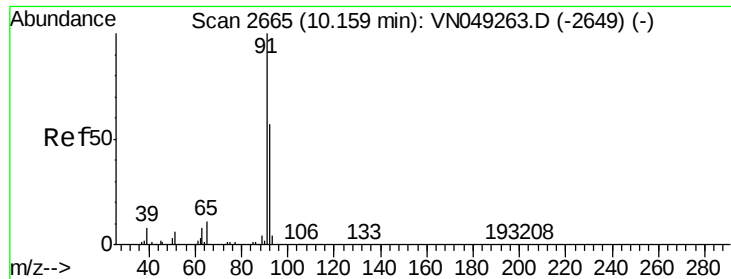
4000

2000

0

Time-->





#52

Toluene

Concen: 0.21 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

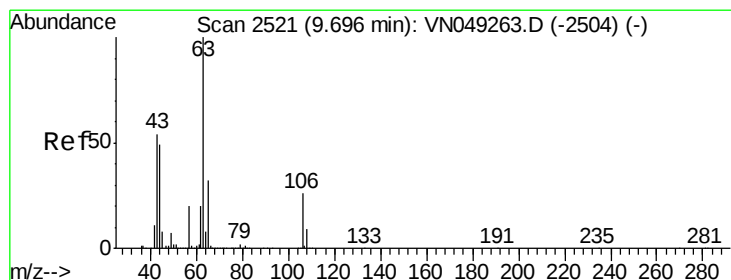
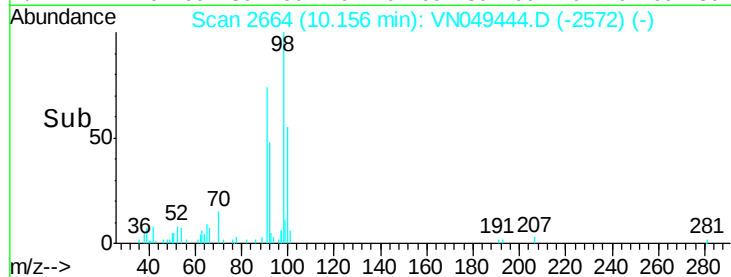
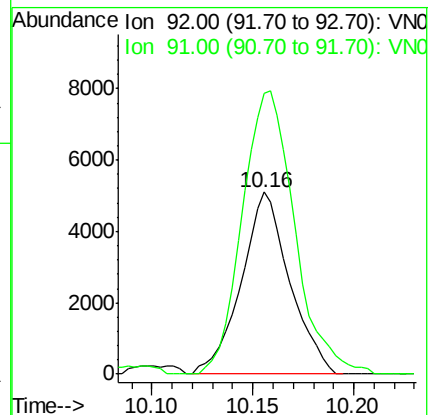
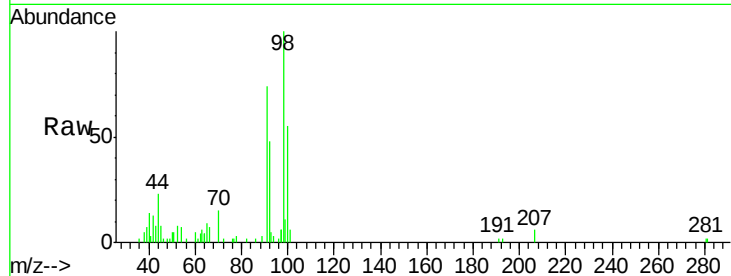
ClientSampled :

Tot Ion: 92 Resp: 8540

Ion Ratio Lower Upper

92 100

91 169.2 143.4 215.2



#58

2-Chloroethyl Vinyl ether

Concen: 14.34 ug/l

RT: 9.75 min Scan# 2538

Delta R.T. 0.06 min

Lab File: VN049444.D

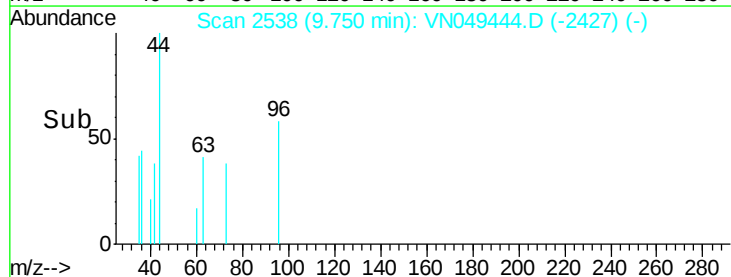
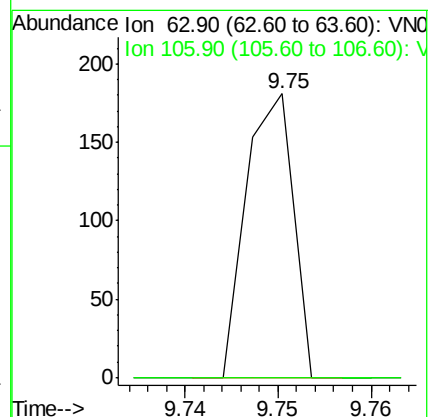
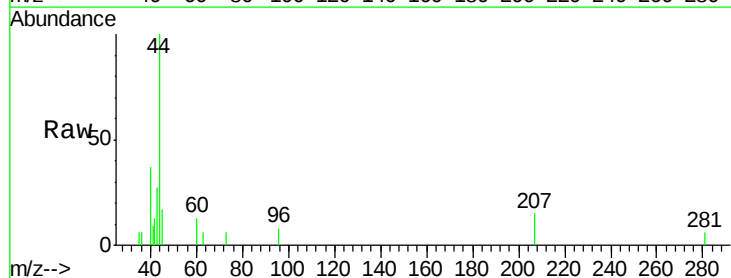
Acq: 20 Jun 2018 18:46

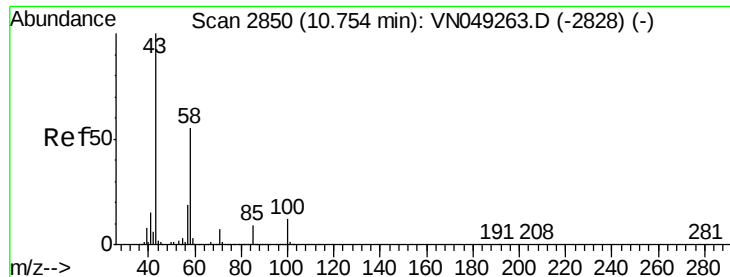
Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#

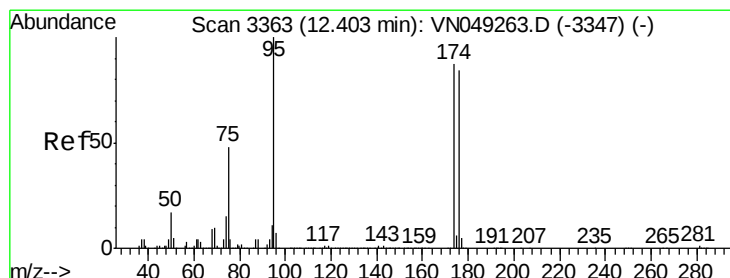
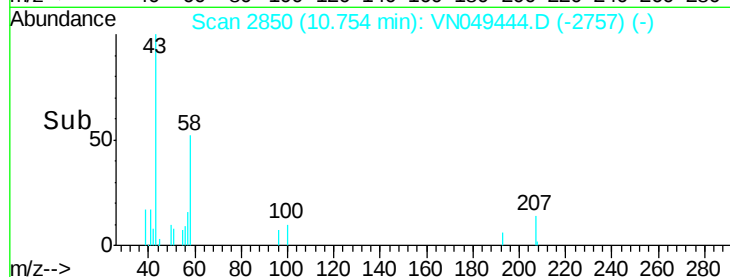
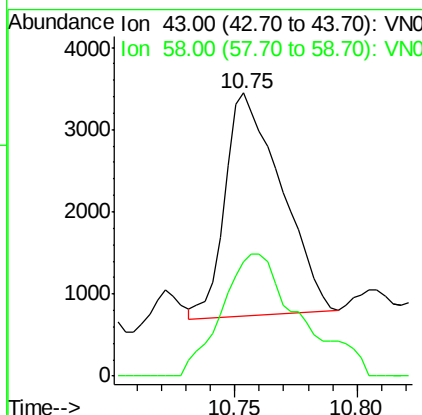
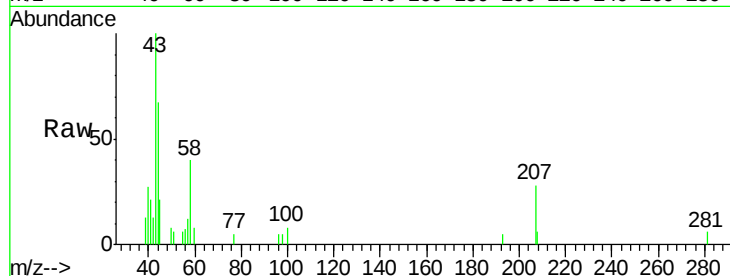




#59
2-Hexanone
Concen: 0.56 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

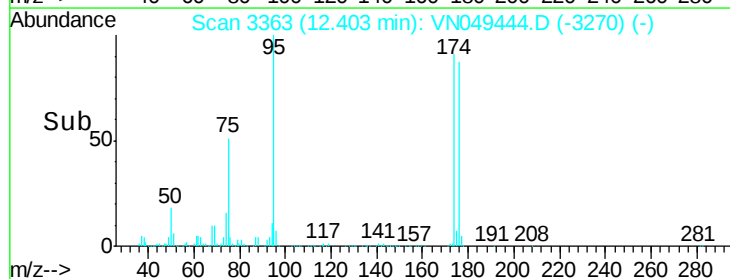
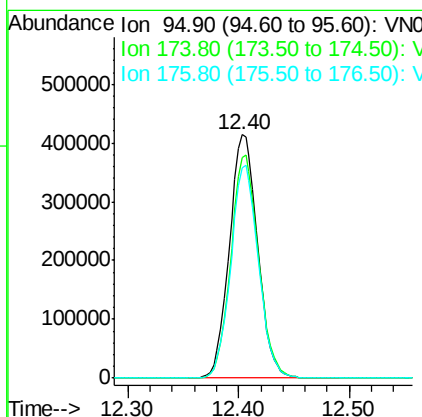
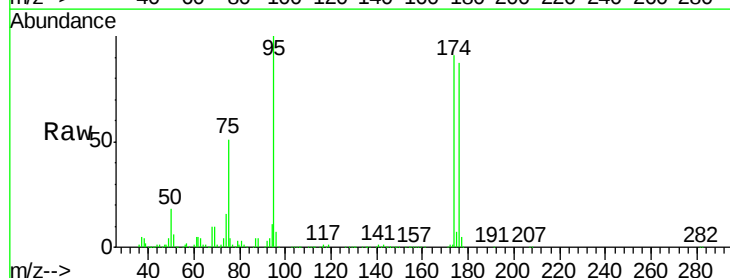
Instrument :
MSVOA_N
ClientSampled :

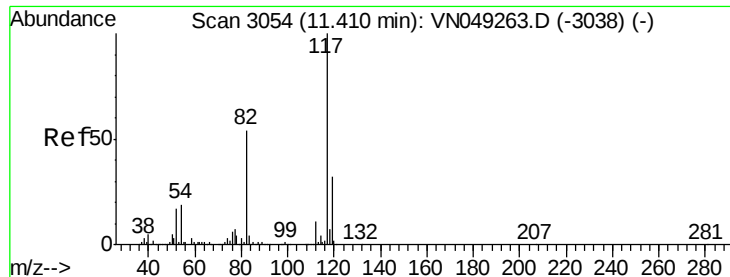
Tot Ion: 43 Resp: 4375
Ion Ratio Lower Upper
43 100
58 75.5 25.2 75.6



#62
4-Bromofluorobenzene
Concen: 37.20 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

Tgt Ion: 95 Resp: 734913
Ion Ratio Lower Upper
95 100
174 89.9 0.0 165.6
176 85.7 0.0 157.4

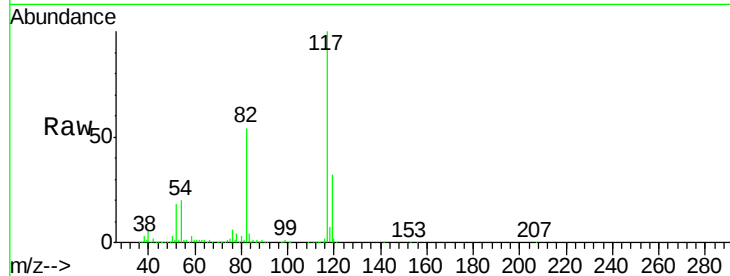




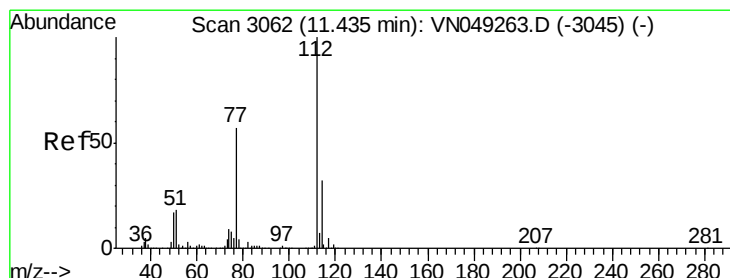
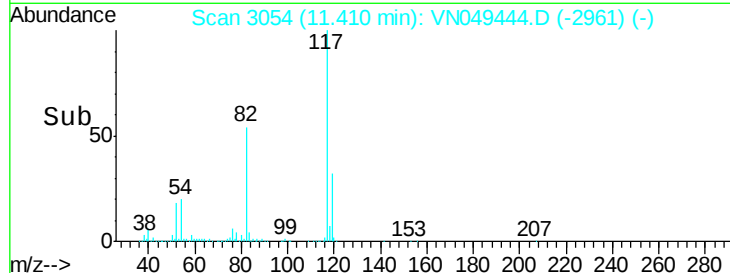
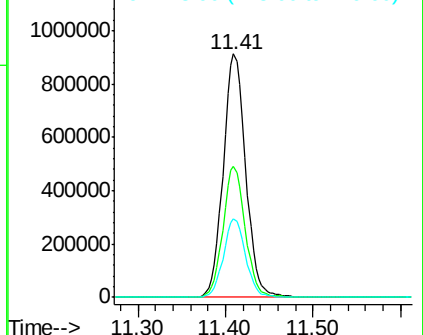
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1628537
Ion Ratio Lower Upper
117 100
82 53.9 45.9 68.9
119 32.2 25.5 38.3

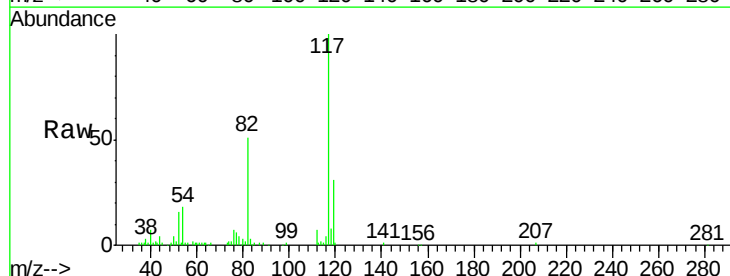


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

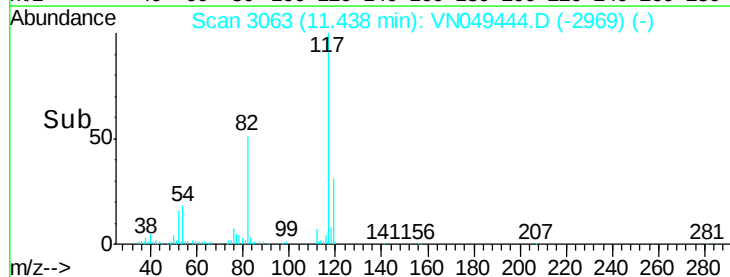
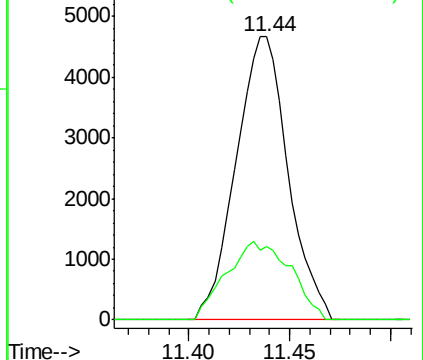


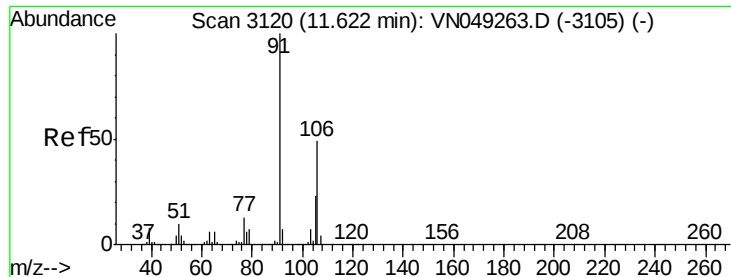
#65
Chlorobenzene
Concen: 0.20 ug/l
RT: 11.44 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

Tgt Ion:112 Resp: 8423
Ion Ratio Lower Upper
112 100
114 26.0 26.2 39.4#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

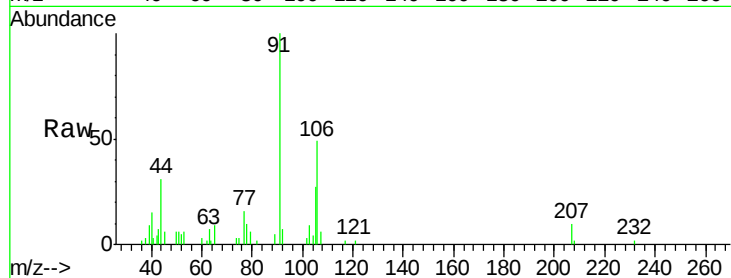




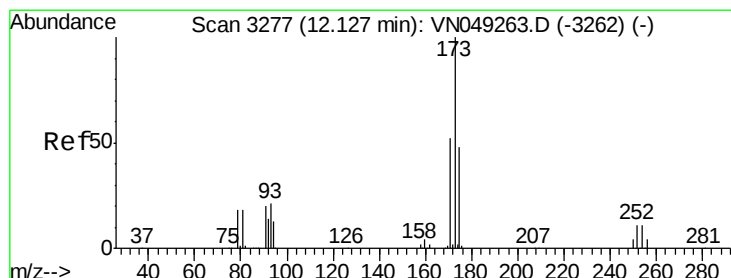
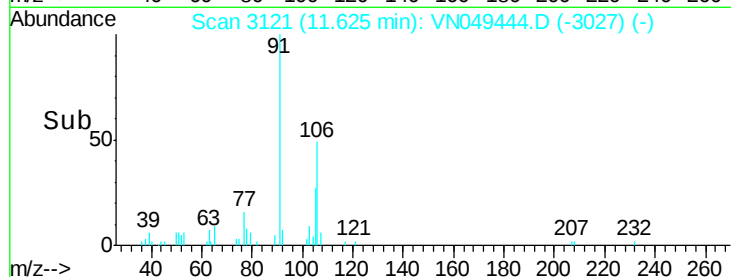
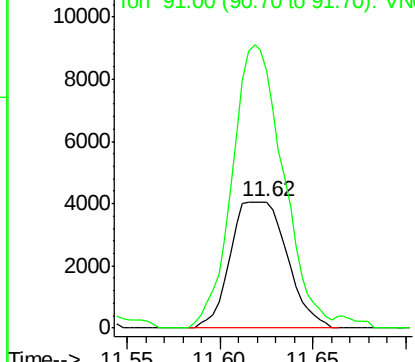
#68
m/p-Xvlenes
Concen: 0.33 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 8603
Ion Ratio Lower Upper
106 100
91 202.0 167.3 250.9

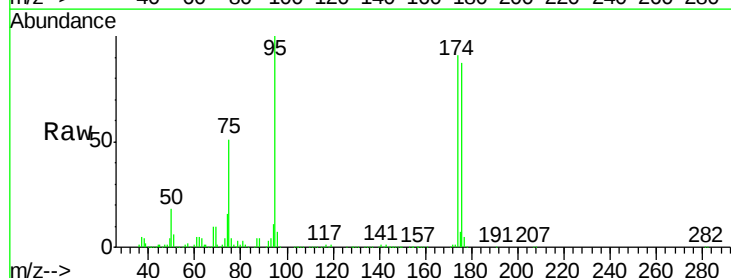


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

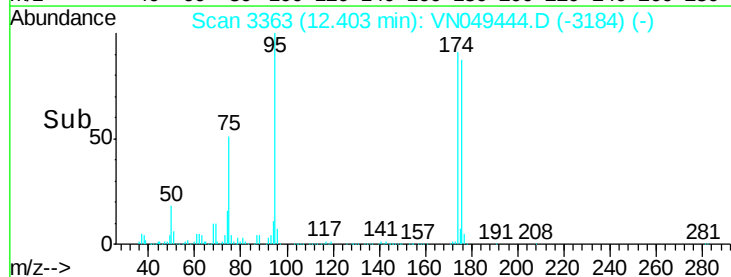
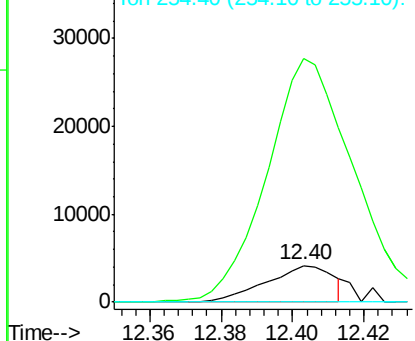


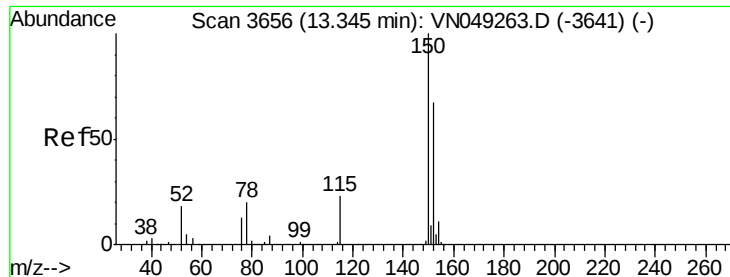
#71
Bromoform
Concen: 0.53 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

Tgt Ion:173 Resp: 5400
Ion Ratio Lower Upper
173 100
175 669.9 24.5 73.5#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

ClientSampleId :

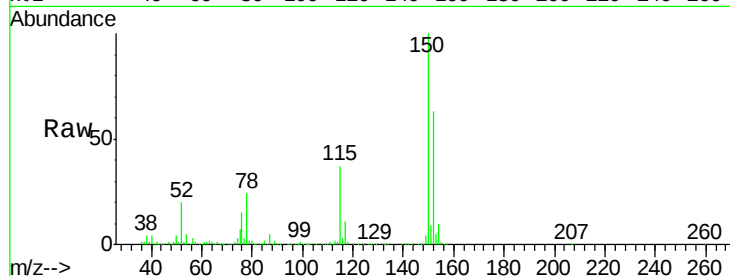
Tot Ion:152 Resp: 586876

Ion Ratio Lower Upper

152 100

115 57.6 28.7 86.1

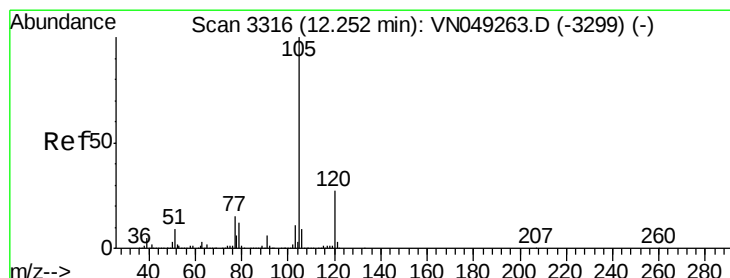
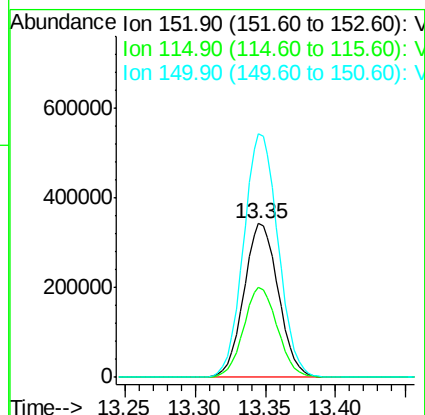
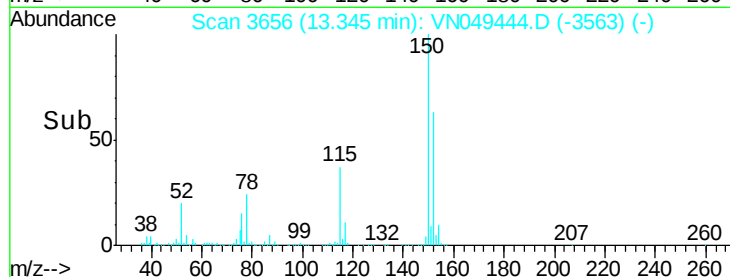
150 159.0 0.0 351.0



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



#73

Isopropylbenzene

Concen: 0.20 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049444.D

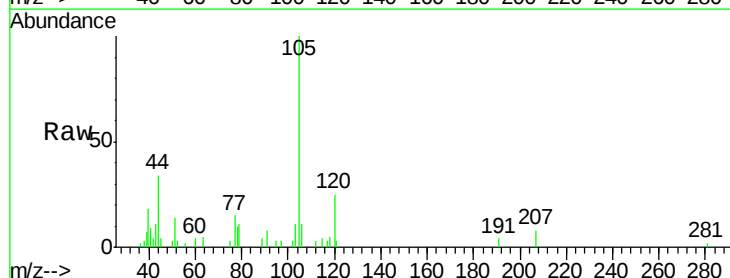
Acq: 20 Jun 2018 18:46

Tgt Ion:105 Resp: 10476

Ion Ratio Lower Upper

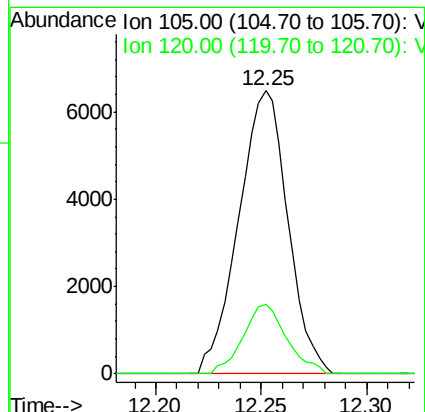
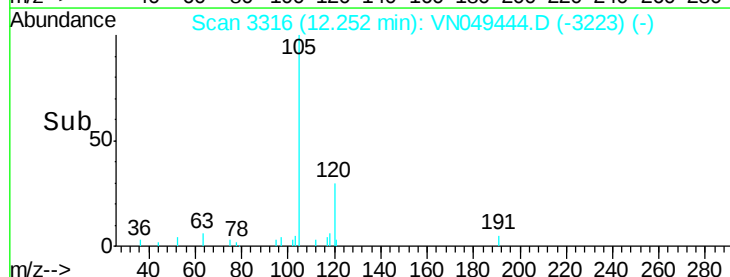
105 100

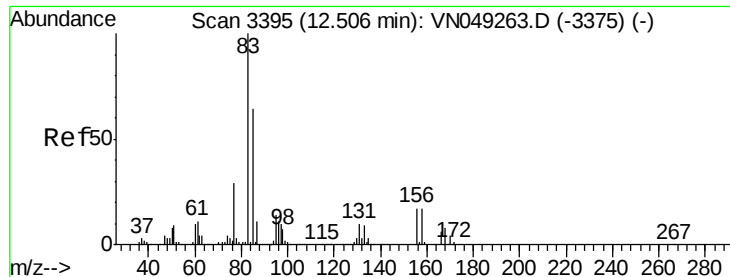
120 22.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3402

Delta R.T. 0.02 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

ClientSampleId :

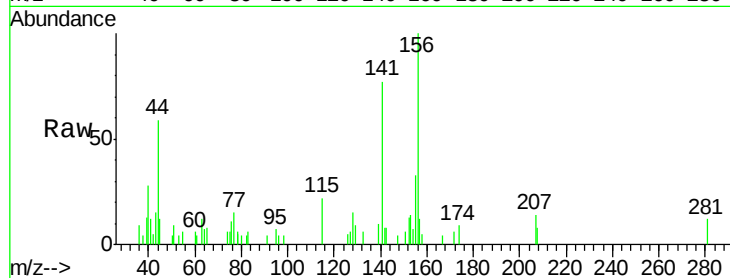
Tot Ion: 83 Resp: 244

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

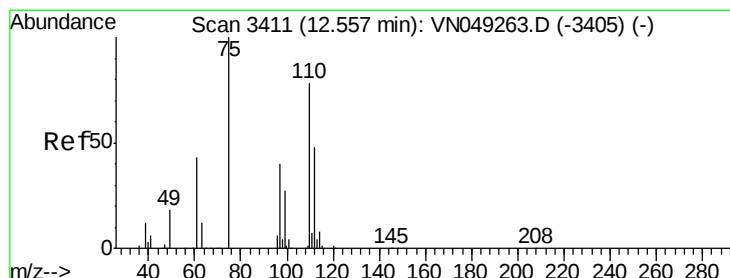
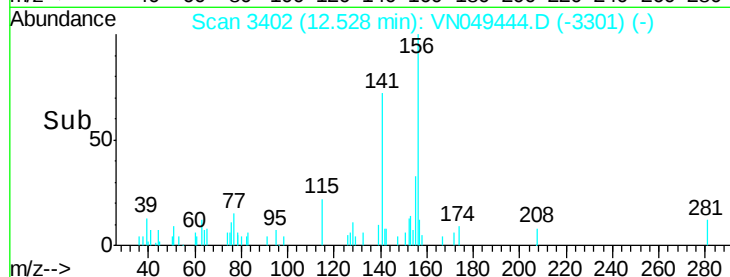
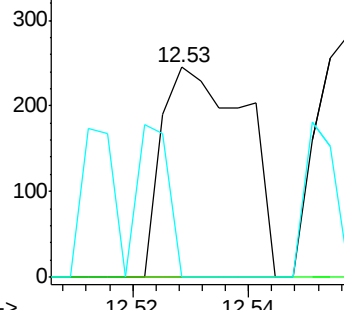
85 27.5 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 36.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049444.D

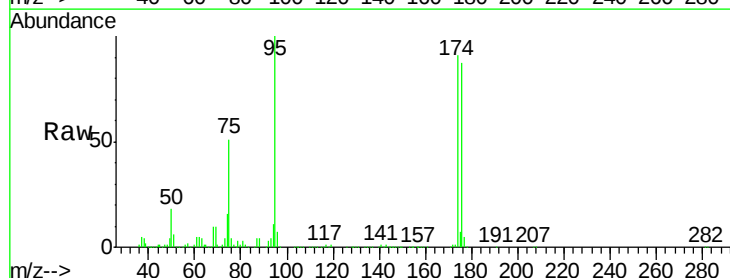
Acq: 20 Jun 2018 18:46

Tgt Ion: 75 Resp: 360702

Ion Ratio Lower Upper

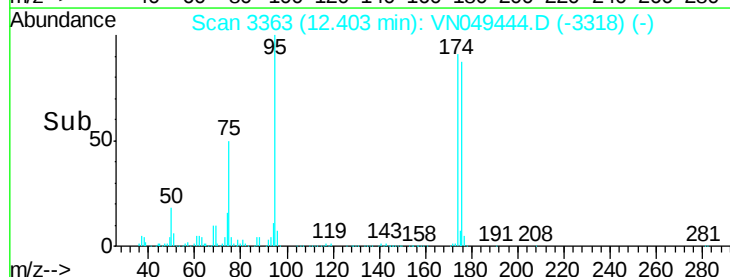
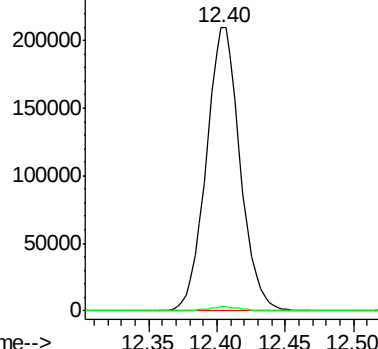
75 100

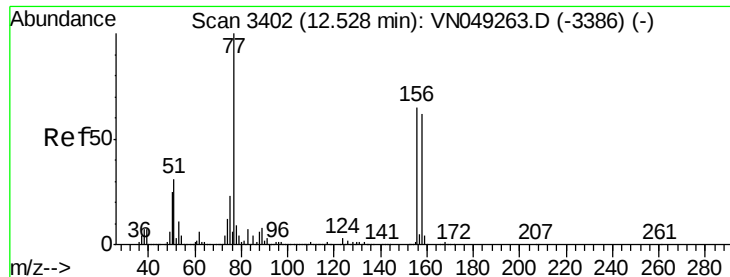
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 2.58 ug/l

RT: 12.57 min Scan# 3415

Delta R.T. 0.04 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

ClientSampled :

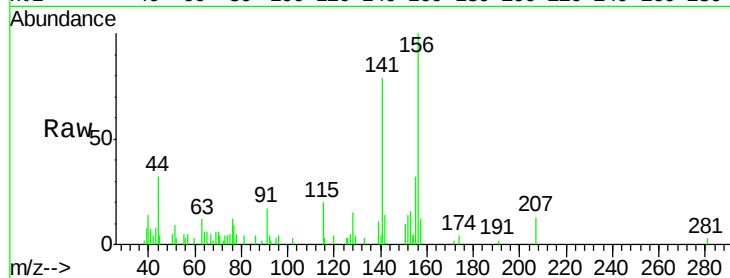
Tot Ion:156 Resp: 35065

Ion Ratio Lower Upper

156 100

77 1.8 100.8 302.4#

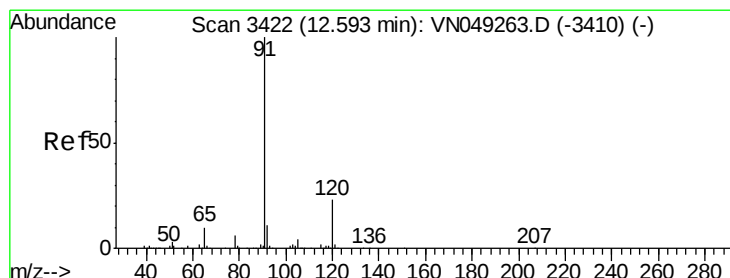
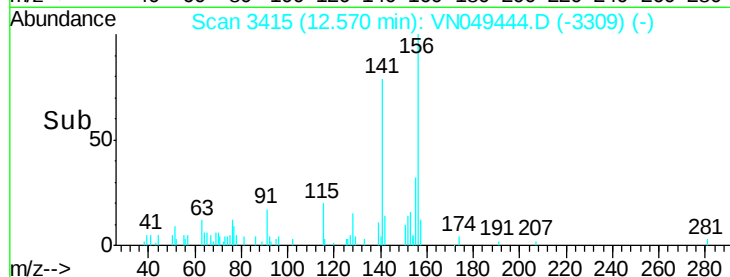
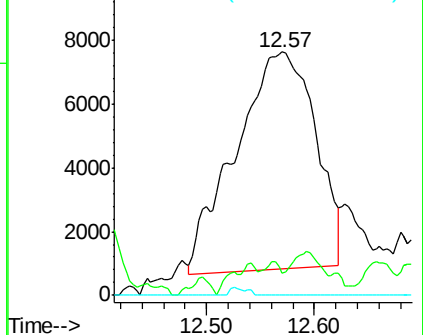
158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.49 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049444.D

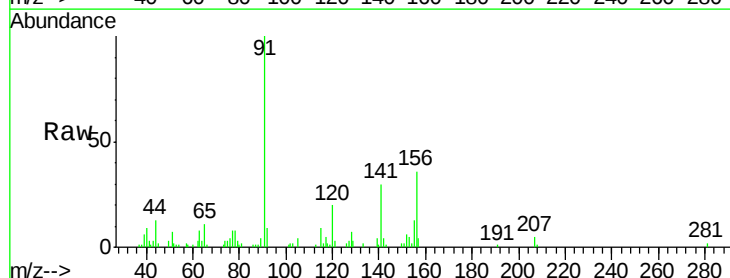
Acq: 20 Jun 2018 18:46

Tgt Ion: 91 Resp: 27560

Ion Ratio Lower Upper

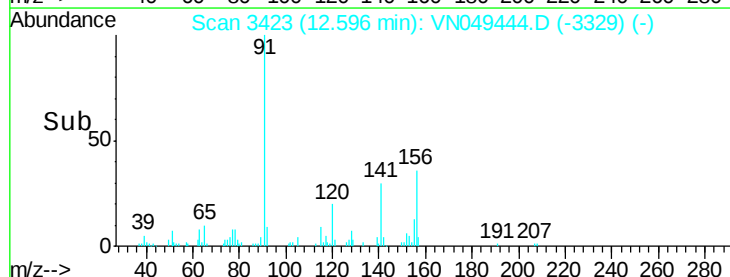
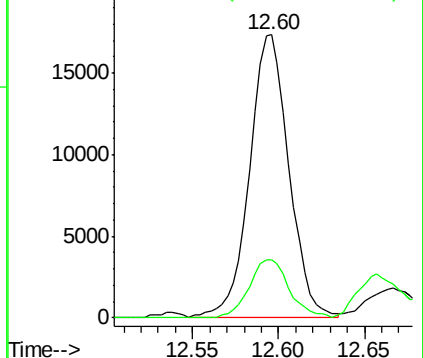
91 100

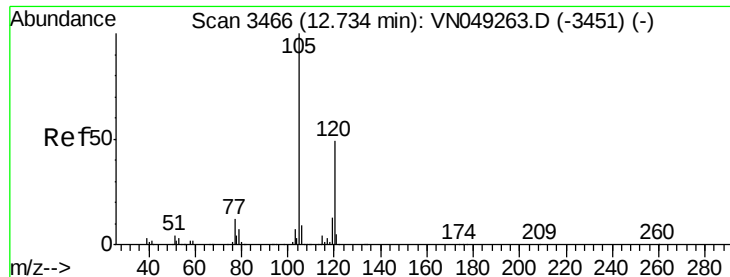
120 21.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.29 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

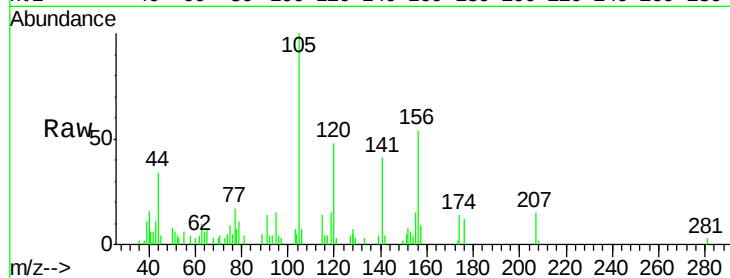
ClientSampled :

Tot Ion:105 Resp: 11779

Ion Ratio Lower Upper

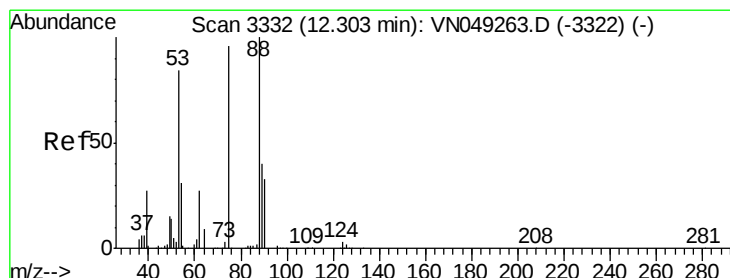
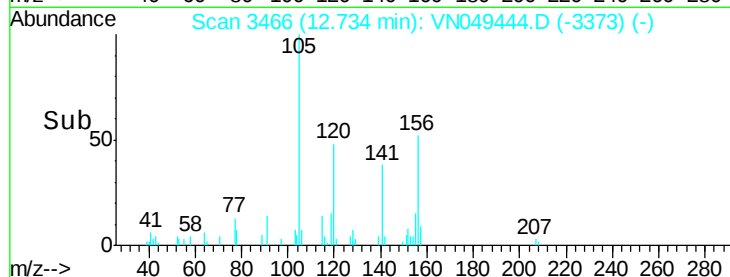
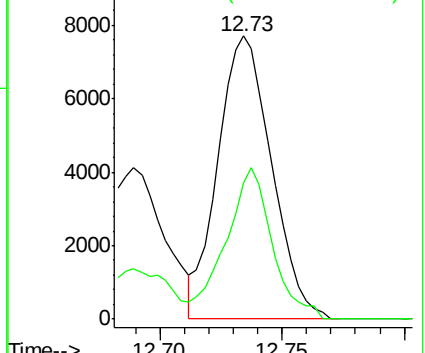
105 100

120 46.2 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: 113.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

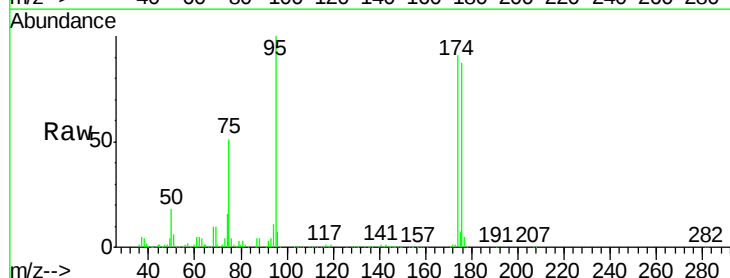
Tgt Ion: 75 Resp: 360702

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

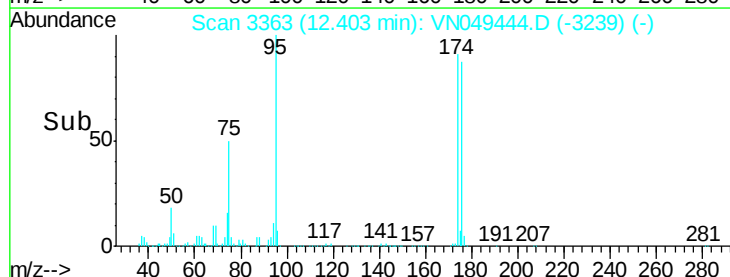
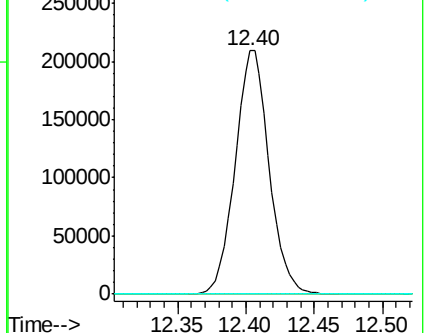
89 0.0 36.5 54.7#

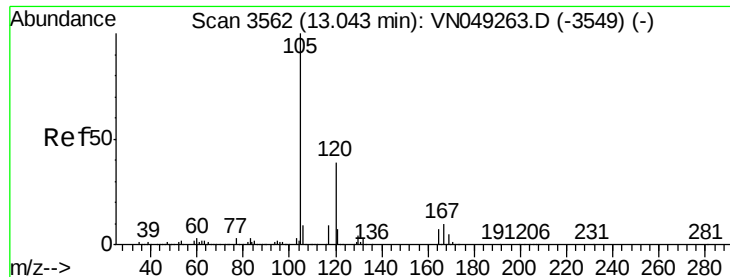


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.85 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049444.D

Acq: 20 Jun 2018 18:46

Instrument :

MSVOA_N

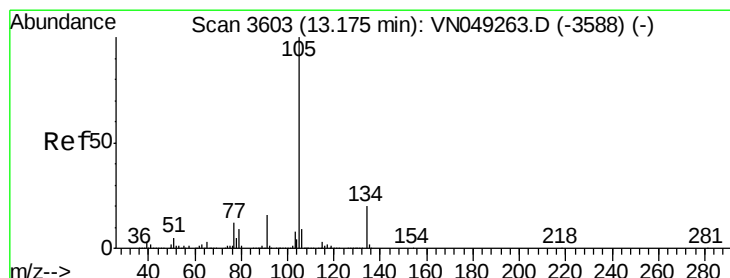
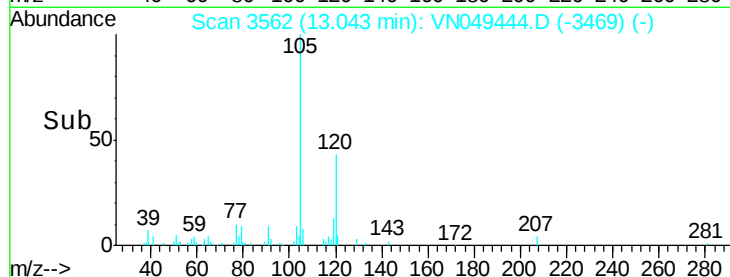
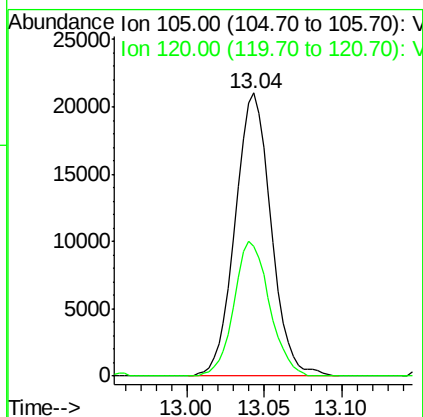
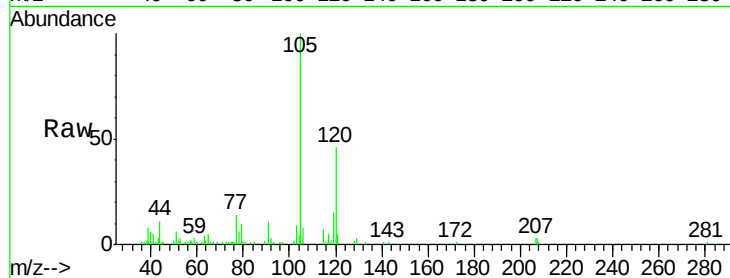
ClientSampled :

Tot Ion:105 Resp: 34023

Ion Ratio Lower Upper

105 100

120 46.8 22.2 66.6



#85

sec-Butylbenzene

Concen: 0.29 ug/l

RT: 13.18 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN049444.D

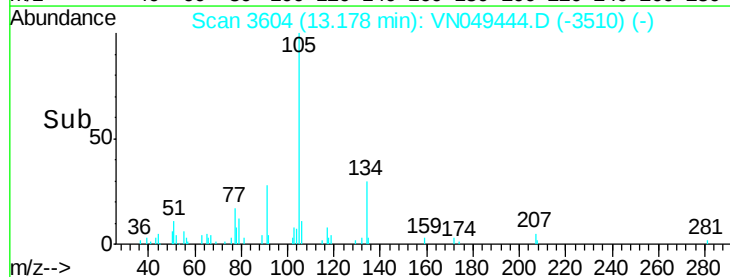
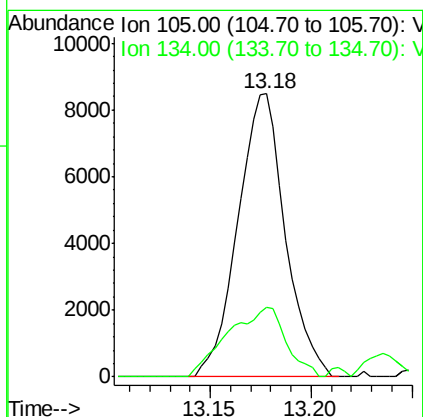
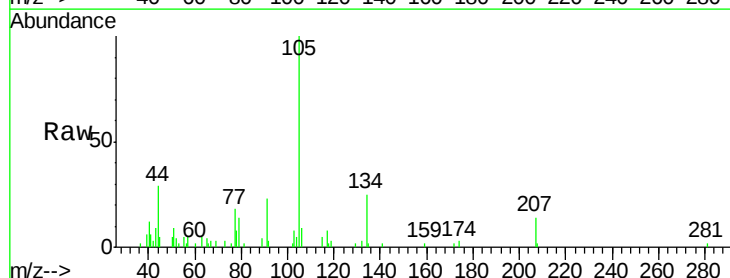
Acq: 20 Jun 2018 18:46

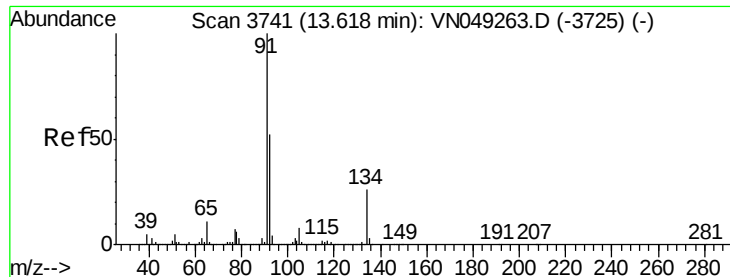
Tgt Ion:105 Resp: 13951

Ion Ratio Lower Upper

105 100

134 29.9 9.8 29.3#

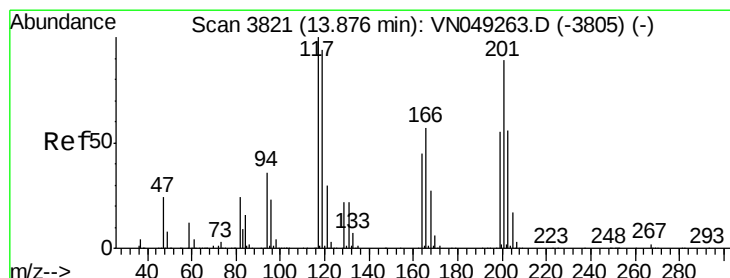
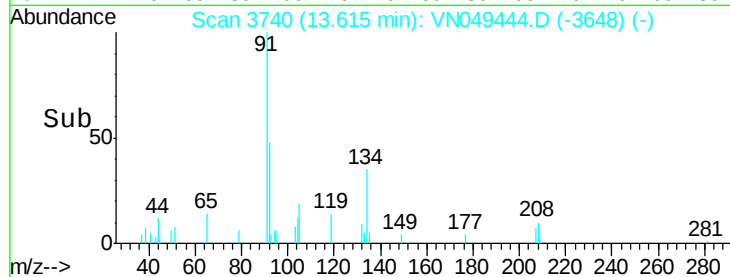
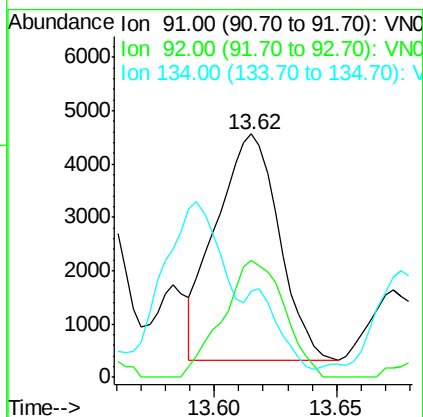
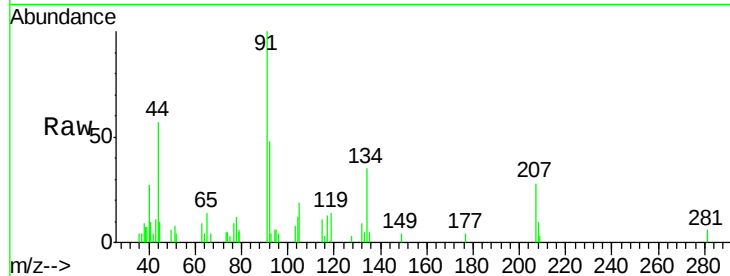




#89
n-Butylbenzene
Concen: 0.24 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

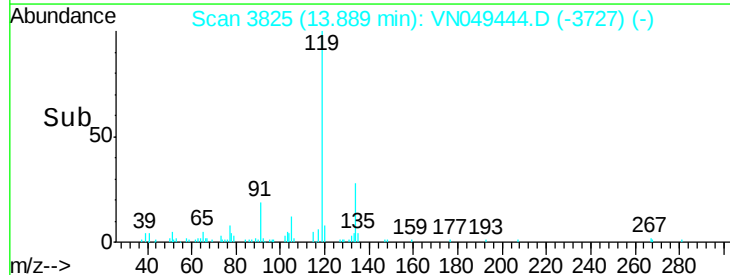
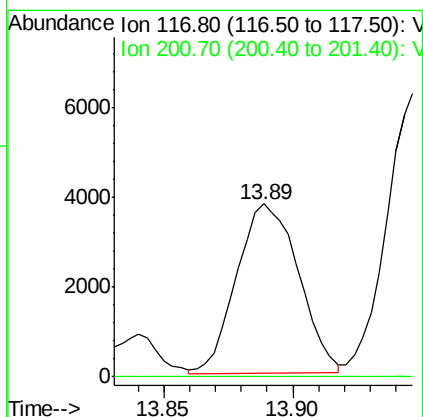
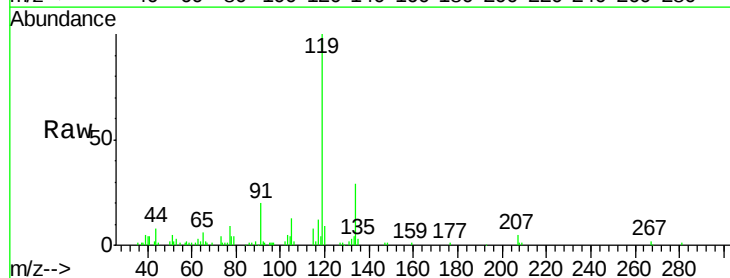
Instrument :
MSVOA_N
ClientSampled :

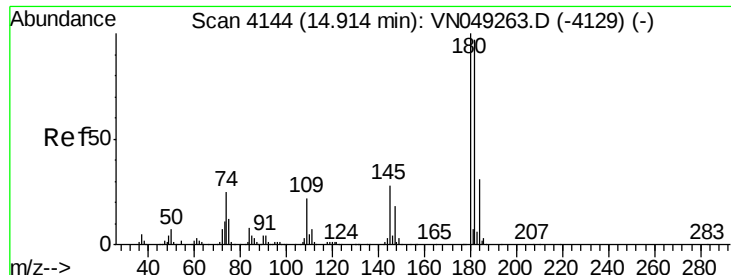
Tot Ion: 91 Resp: 7571
Ion Ratio Lower Upper
91 100
92 50.5 25.1 75.4
134 0.0 12.0 36.0#



#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3825
Delta R.T. 0.01 min
Lab File: VN049444.D
Acq: 20 Jun 2018 18:46

Tgt Ion: 117 Resp: 6302
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#

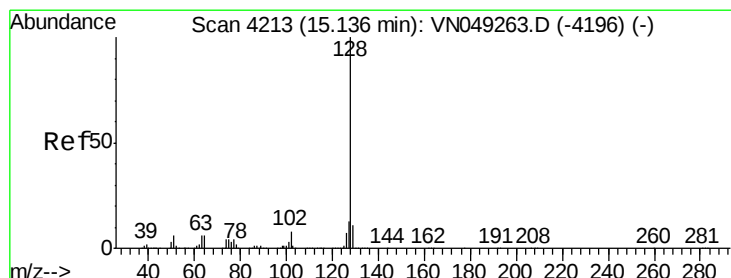
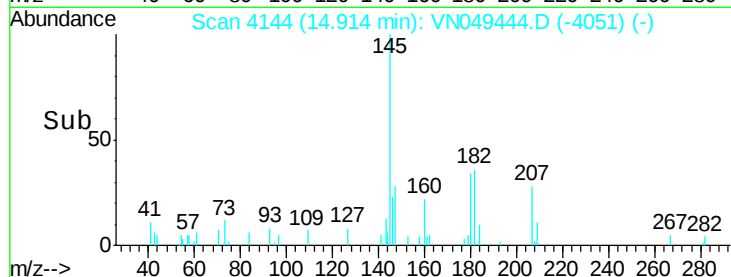
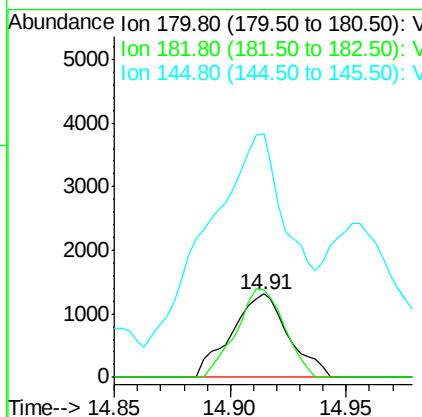
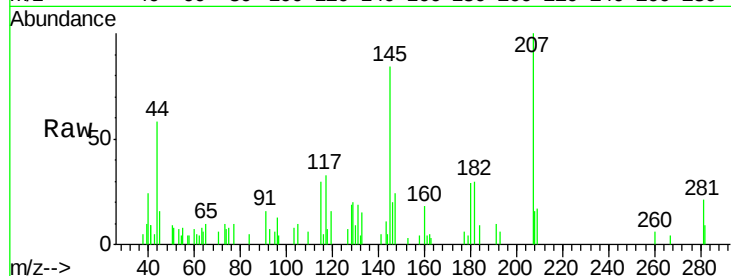




#93
 1,2,4-Trichlorobenzene
 Concen: 4.94 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049444.D
 Acq: 20 Jun 2018 18:46

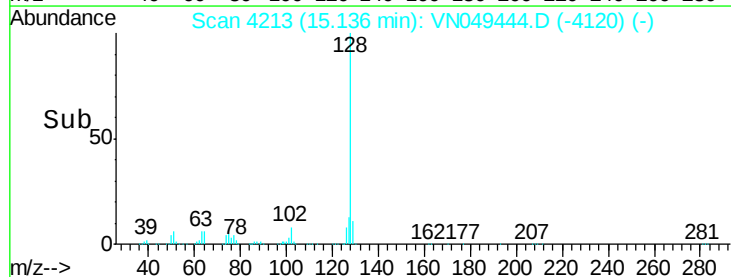
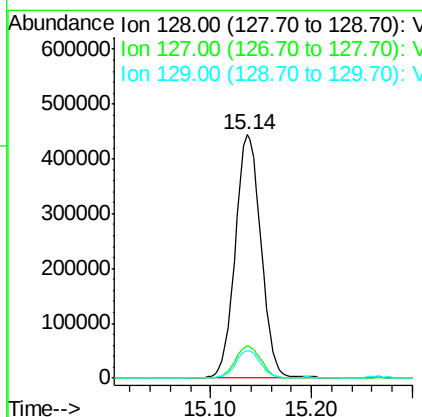
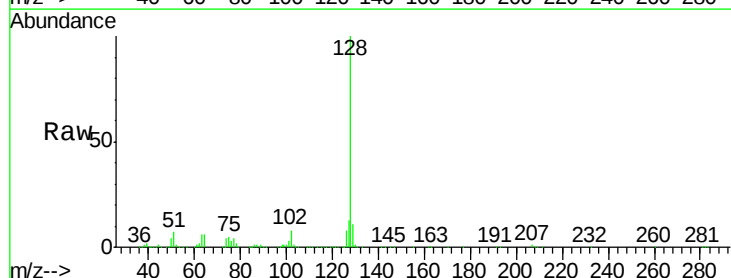
Instrument :
 MSVOA_N
 ClientSampleId :

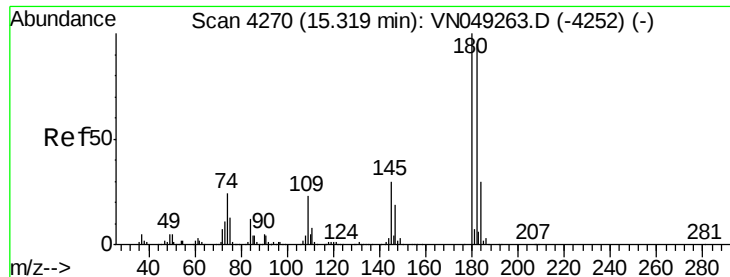
Tot Ion:180 Resp: 2245
 Ion Ratio Lower Upper
 180 100
 182 89.4 46.9 140.8
 145 436.8 14.7 44.1#



#95
 Naphthalene
 Concen: 44.76 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049444.D
 Acq: 20 Jun 2018 18:46

Tgt Ion:128 Resp: 783929
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 16.0
 129 10.9 8.5 12.7

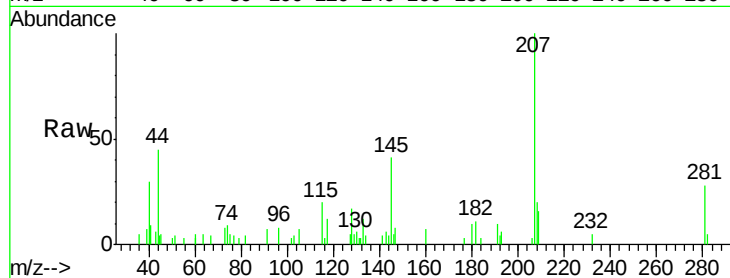




#96
 1,2,3-Trichlorobenzene
 Concen: 3.51 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: VN049444.D
 Acq: 20 Jun 2018 18:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	170.1	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

