

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049375.D
 Acq On : 19 Jun 2018 5:49
 Operator : MD\SY
 Sample : J3566-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 08:00:48 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	1211132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1933930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1621688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	559862	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	807669	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
35) Dibromofluoromethane	7.59	113	715512	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
50) Toluene-d8	10.09	98	2629437	44.14	ug/l	0.00
Spiked Amount			Recovery	=	88.28%	
62) 4-Bromofluorobenzene	12.41	95	731608	37.14	ug/l	0.00
Spiked Amount			Recovery	=	74.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4009	0.22	ug/l	94
5) Bromomethane	2.57	94	2971	0.30	ug/l	89
14) Allyl chloride	4.55	41	231084	10.54	ug/l #	20
16) Acetone	3.82	43	27332	7.01	ug/l #	83
18) Methyl Acetate	4.33	43	138425	11.64	ug/l	94
20) Methylene Chloride	4.55	84	6608107	405.66	ug/l	91
25) 2-Butanone	6.86	43	5391	1.03	ug/l	93
29) Tetrahydrofuran	7.22	42	2279	0.68	ug/l #	54
30) Chloroform	7.38	83	18525	0.66	ug/l	89
31) Cyclohexane	7.67	56	21693	0.74	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	83991	3.79	ug/l #	50
37) Ethyl Acetate	6.86	43	5391	0.45	ug/l #	71
38) Carbon Tetrachloride	7.67	117	109818	4.79	ug/l #	18
43) Isopropyl Acetate	8.20	43	631163	27.41	ug/l #	64
47) Bromodichloromethane	9.41	83	7387	0.33	ug/l	91
49) 1,4-Dioxane	9.21	88	113	0.76	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5805	0.48	ug/l #	71
65) Chlorobenzene	11.44	112	11806	0.28	ug/l	94
67) Ethyl Benzene	11.51	91	14132	0.20	ug/l	96
68) m/p-Xylenes	11.62	106	14204	0.55	ug/l	93
69) o-Xylene	11.95	106	7285	0.29	ug/l	93
71) Bromoform	12.40	173	2553	0.25	ug/l #	1
73) Isopropylbenzene	12.25	105	14186	0.29	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	103	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.41	75	355159	37.18	ug/l #	100
78) n-propylbenzene	12.59	91	32692	0.61	ug/l	99
79) 2-Chlorotoluene	12.67	91	15620	0.46	ug/l	78
80) 1,3,5-Trimethylbenzene	12.73	105	16159	0.42	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.41	75	355159	117.51	ug/l #	9
82) 4-Chlorotoluene	12.67	91	15620	0.47	ug/l	79
84) 1,2,4-Trimethylbenzene	13.04	105	61066	1.59	ug/l	99
85) sec-Butylbenzene	13.17	105	18954	0.42	ug/l	81
89) n-Butylbenzene	13.62	91	11392	0.38	ug/l #	71
90) Hexachloroethane	13.89	117	7503	Below	Cal #	9

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

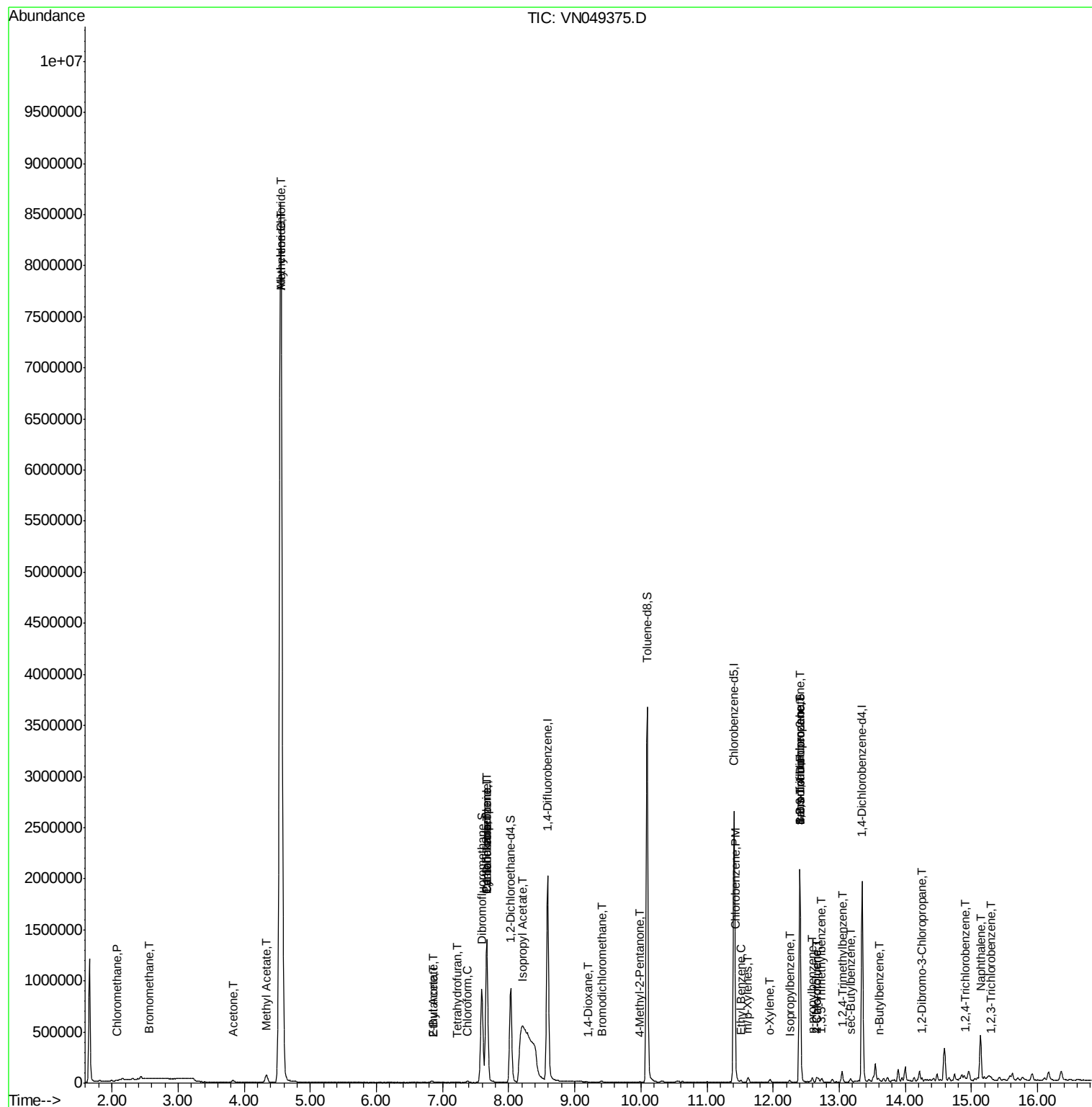
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.26	75	418	0.24	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	463	4.79	ug/l #	1
95) Naphthalene	15.14	128	395102	25.85	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	356	3.49	ug/l #	1

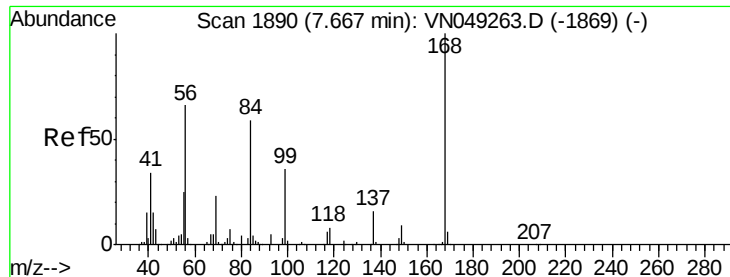
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

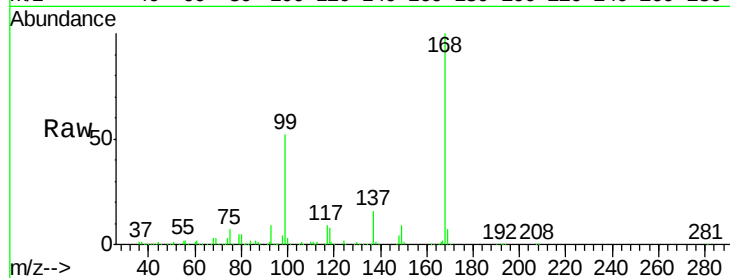
ClientSampled :

Tot Ion:168 Resp: 1211132

Ion Ratio Lower Upper

168 100

99 52.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

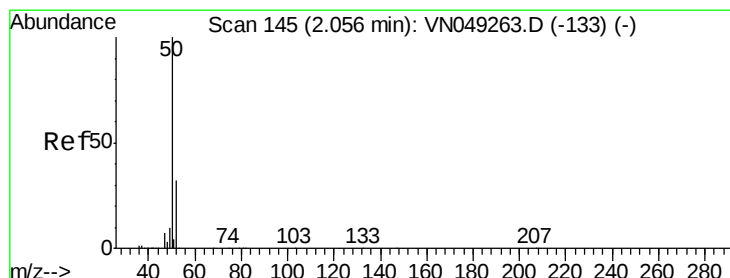
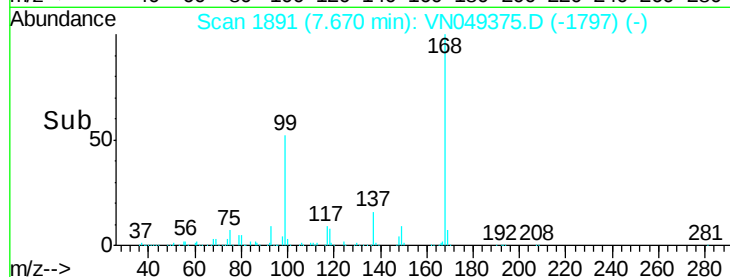
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049375.D

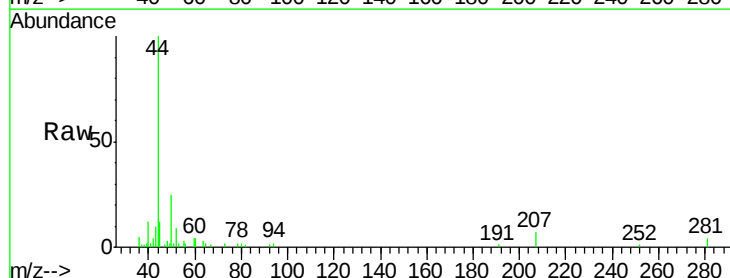
Acq: 19 Jun 2018 5:49

Tgt Ion: 50 Resp: 4009

Ion Ratio Lower Upper

50 100

52 34.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

3000

2500

2000

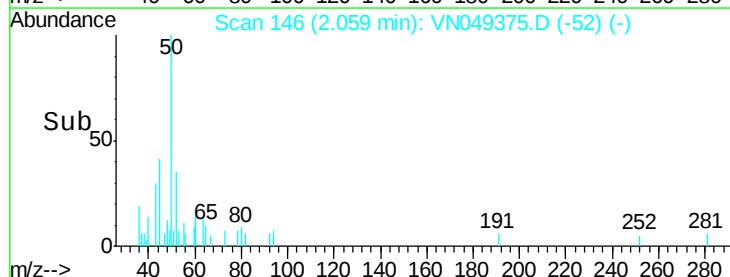
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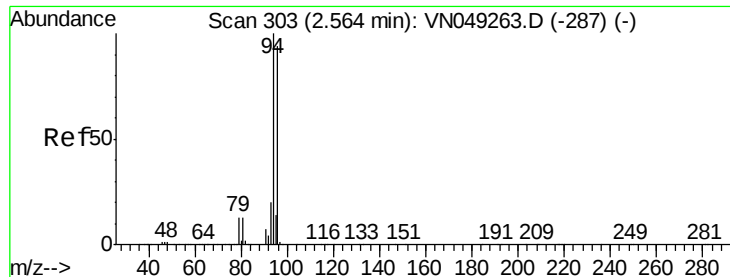
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.30 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

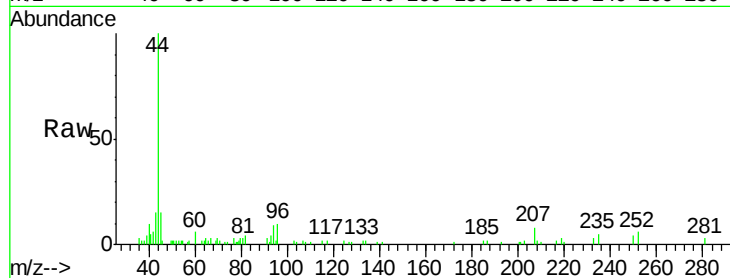
ClientSampleId :

Tot Ion: 94 Resp: 2971

Ion Ratio Lower Upper

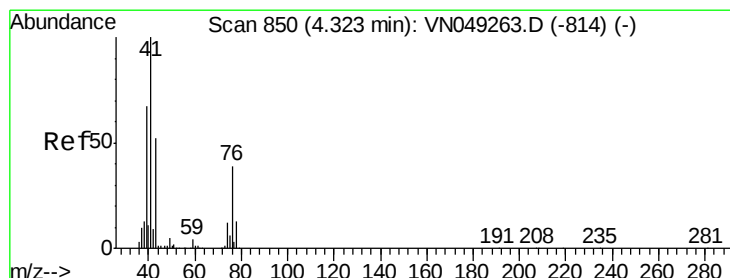
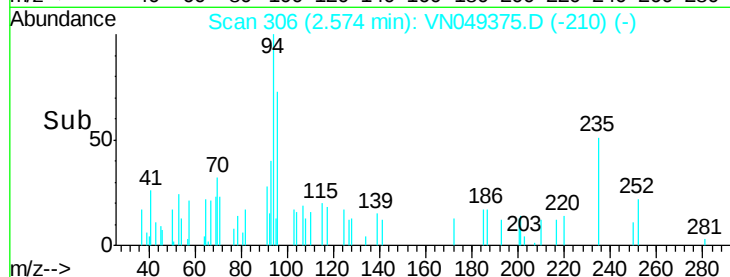
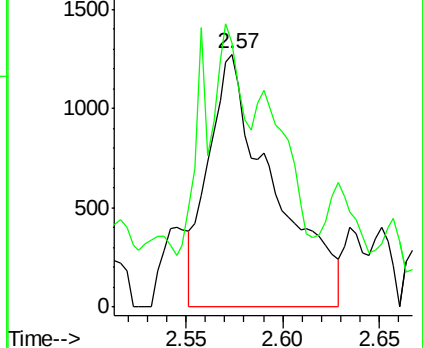
94 100

96 80.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#14

Allyl chloride

Concen: 10.54 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.23 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

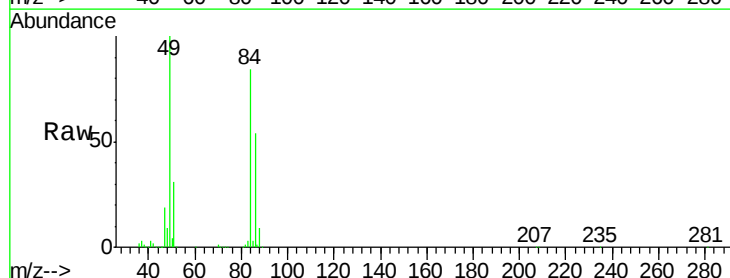
Tgt Ion: 41 Resp: 231084

Ion Ratio Lower Upper

41 100

39 0.3 62.5 93.7#

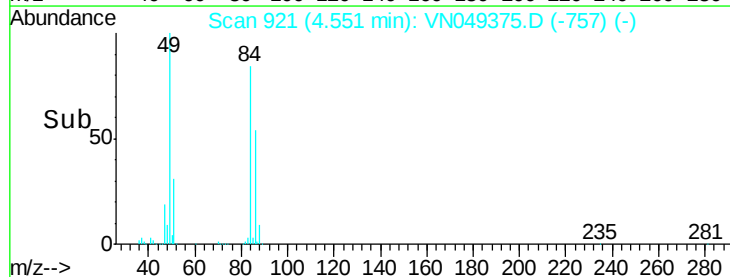
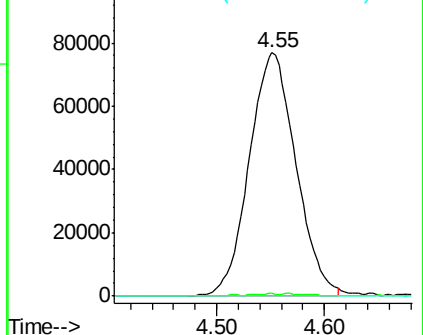
76 0.0 27.1 40.7#

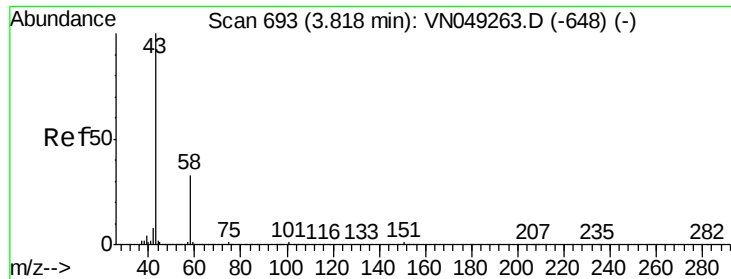


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 7.01 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

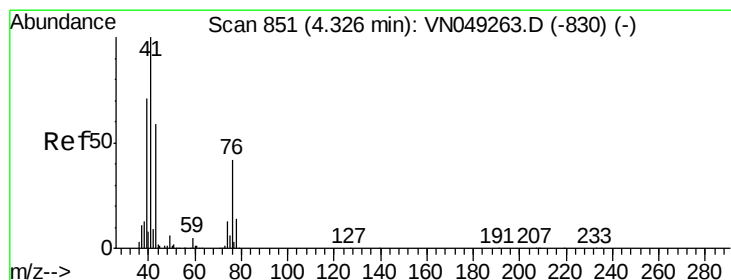
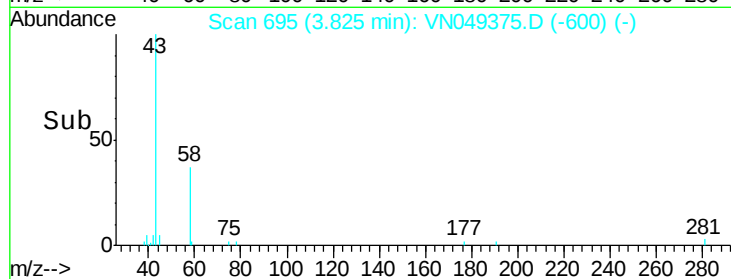
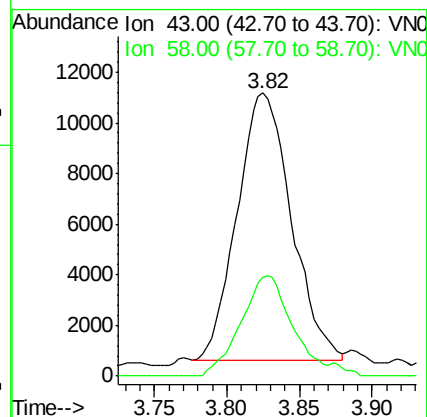
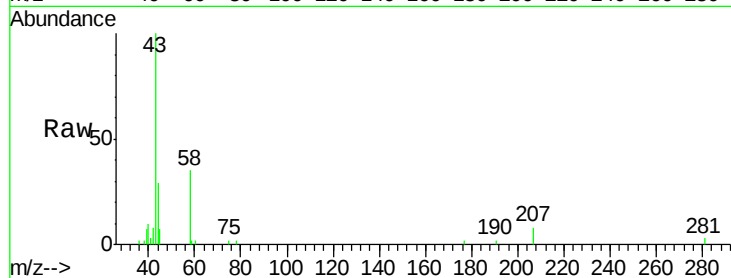
ClientSampleId :

Tot Ion: 43 Resp: 27332

Ion Ratio Lower Upper

43 100

58 37.1 22.4 33.6#



#18

Methyl Acetate

Concen: 11.64 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049375.D

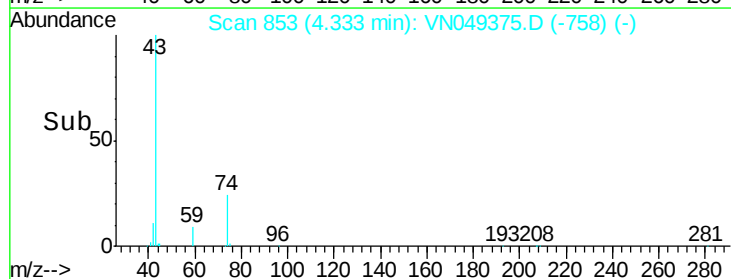
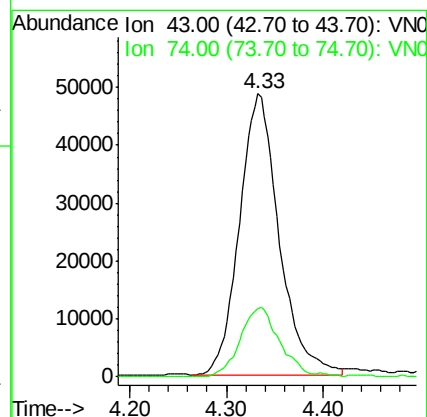
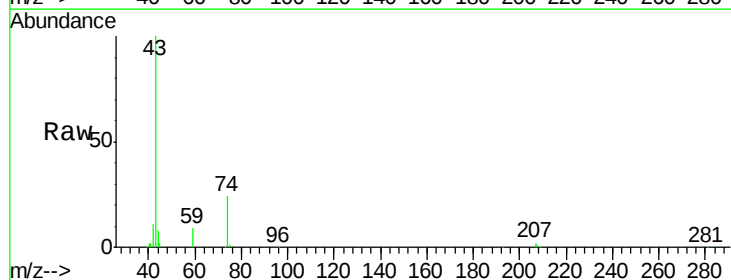
Acq: 19 Jun 2018 5:49

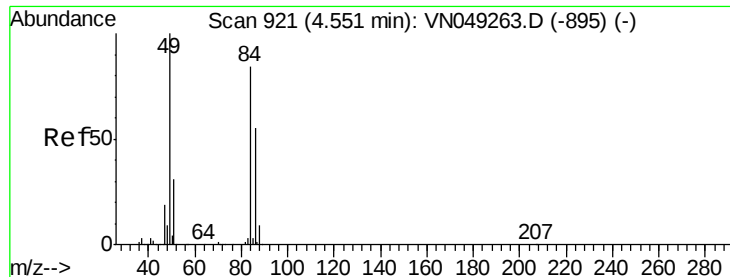
Tgt Ion: 43 Resp: 138425

Ion Ratio Lower Upper

43 100

74 24.4 17.4 26.0



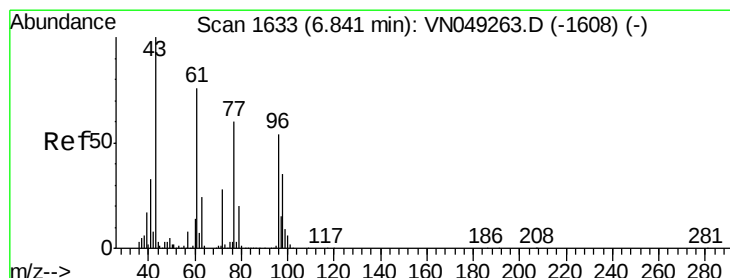
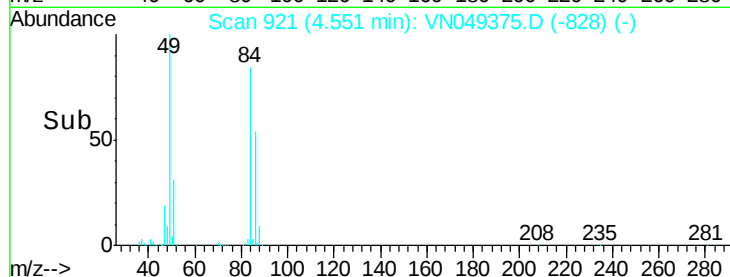
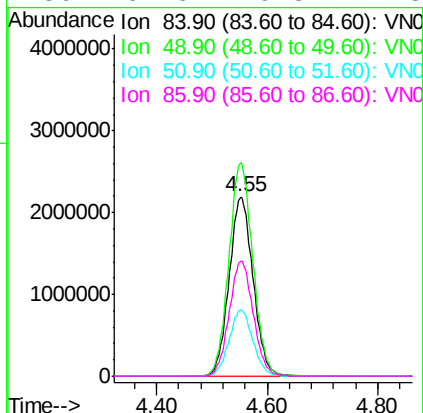
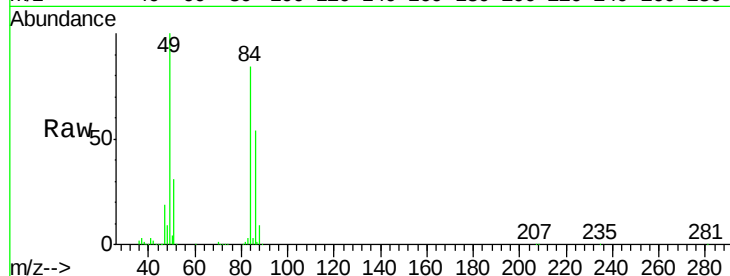


#20
Methvlene Chloride
Concen: 405.66 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 6608107

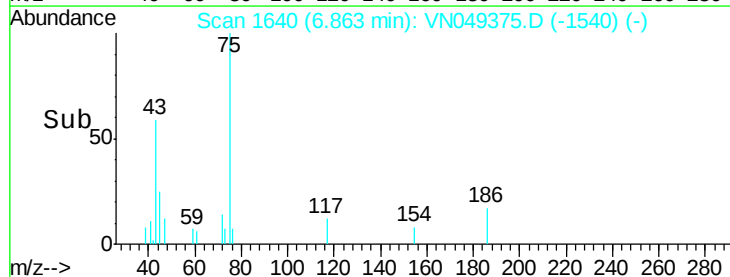
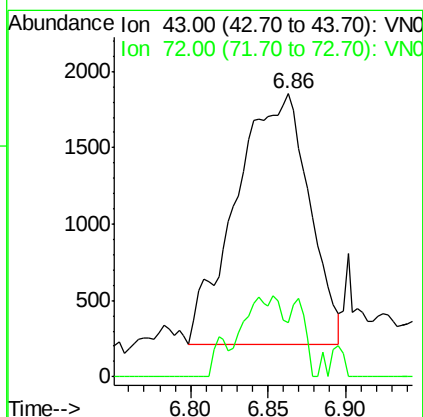
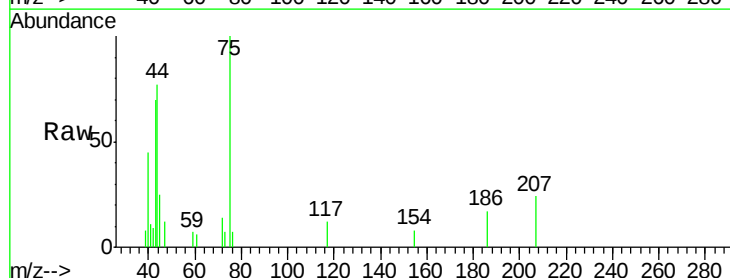
Ion	Ratio	Lower	Upper
84	100		
49	119.1	106.9	160.3
51	36.8	32.7	49.1
86	64.6	49.8	74.8

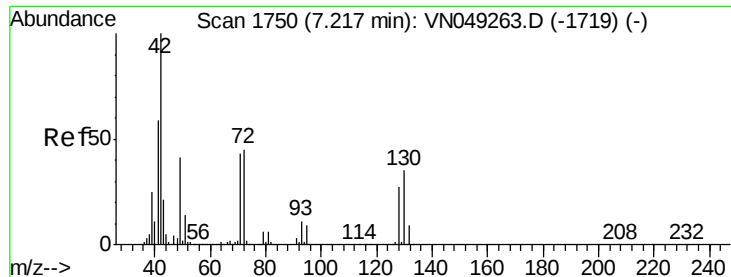


#25
2-Butanone
Concen: 1.03 ug/l
RT: 6.86 min Scan# 1640
Delta R.T. 0.02 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

Tgt Ion: 43 Resp: 5391

Ion	Ratio	Lower	Upper
43	100		
72	21.7	20.2	30.2

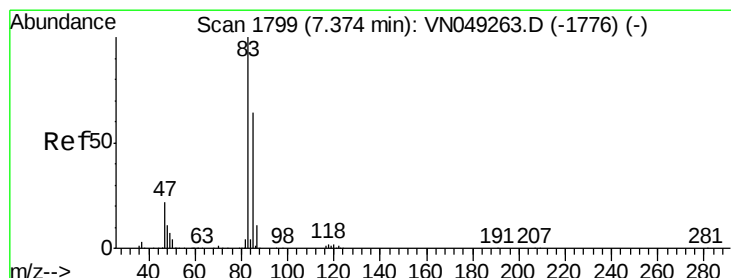
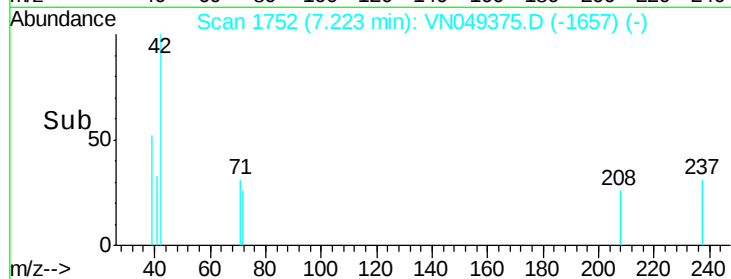
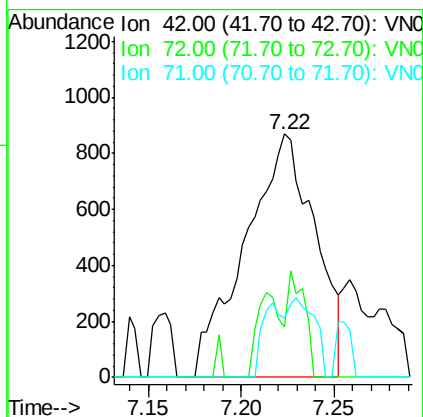
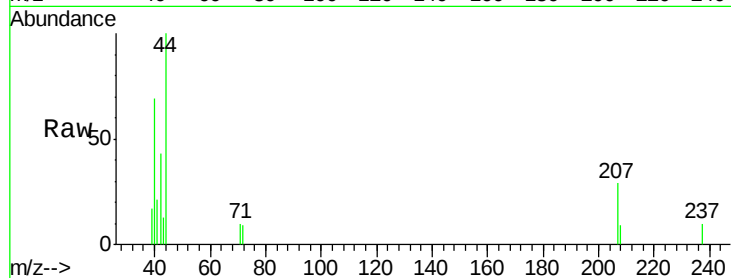




#29
Tetrahydrofuran
Concen: 0.68 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

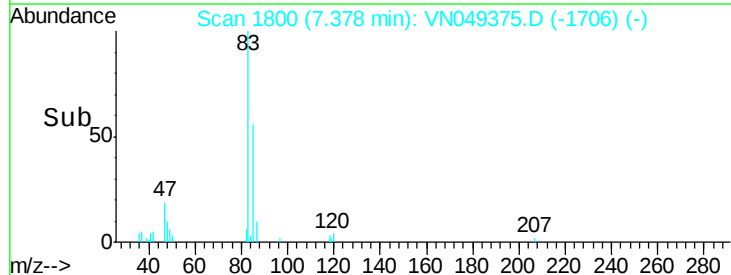
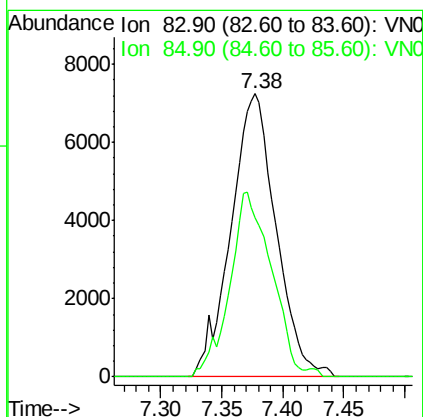
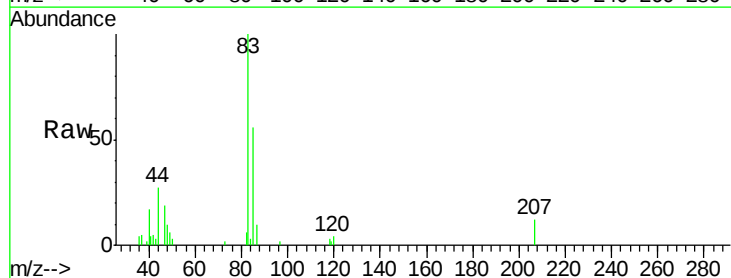
Instrument :
MSVOA_N
ClientSampled :

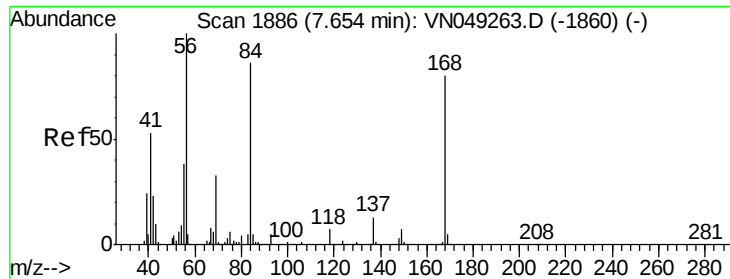
Tot Ion: 42 Resp: 2279
Ion Ratio Lower Upper
42 100
72 10.1 32.2 48.4#
71 12.0 30.5 45.7#



#30
Chloroform
Concen: 0.66 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

Tgt Ion: 83 Resp: 18525
Ion Ratio Lower Upper
83 100
85 56.3 51.7 77.5

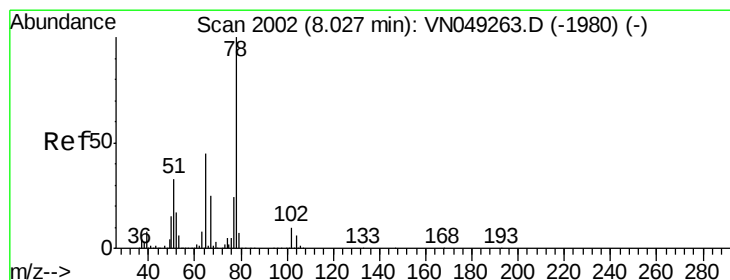
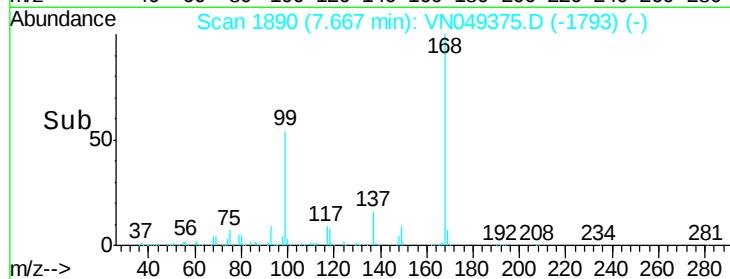
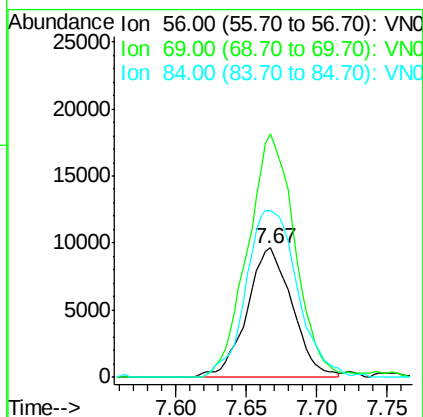
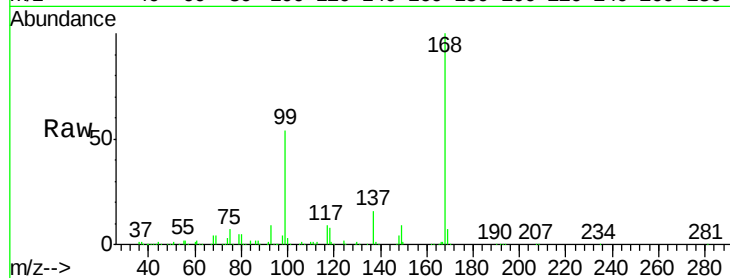




#31
Cyclohexane
Concen: 0.74 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

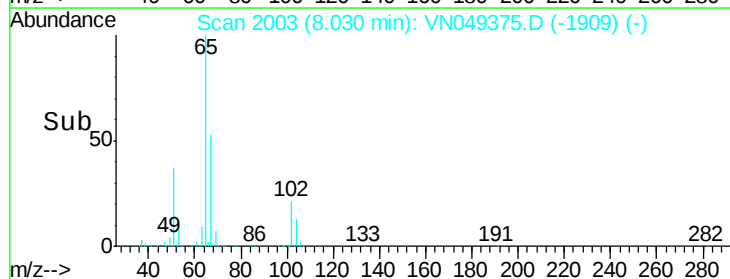
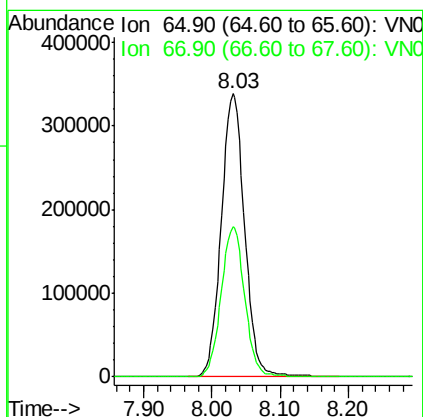
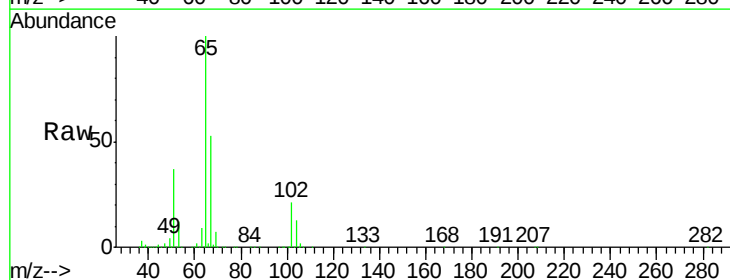
Instrument :
MSVOA_N
ClientSampleId :

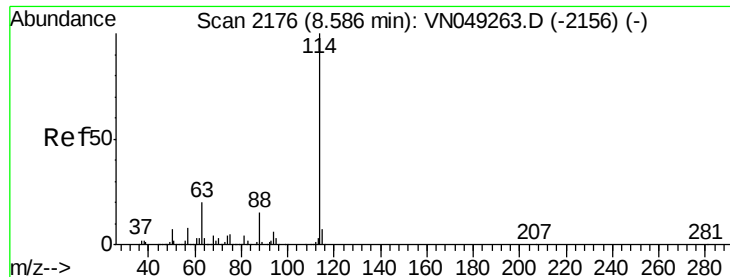
Tot Ion	56	Resp	21693
Ion	Ratio	Lower	Upper
56	100		
69	187.9	25.0	37.4#
84	128.6	64.6	96.8#



#33
1,2-Dichloroethane-d4
Concen: 50.28 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

Tgt Ion	65	Resp	807669
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	103.8

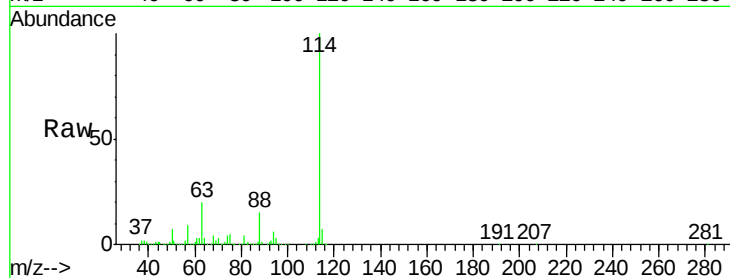




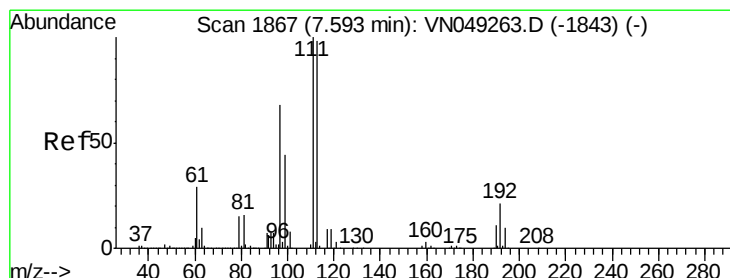
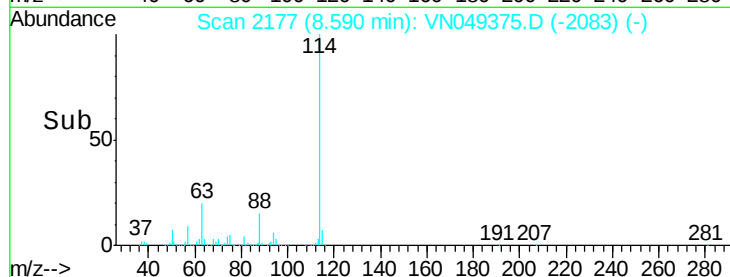
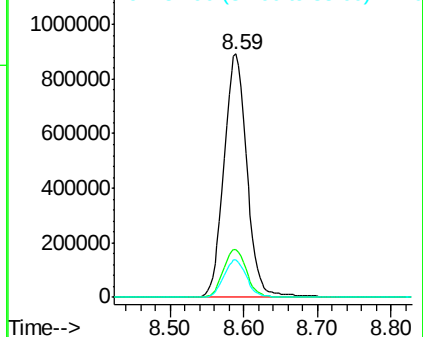
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049375.D
 Acq: 19 Jun 2018 5:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1933930
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 44.4
 88 15.2 0.0 31.4

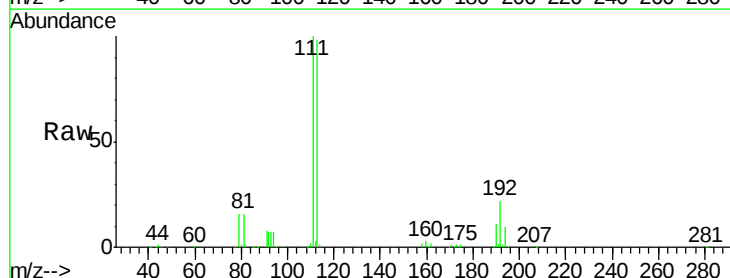


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

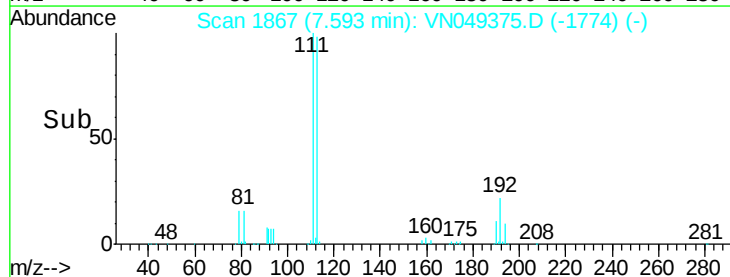
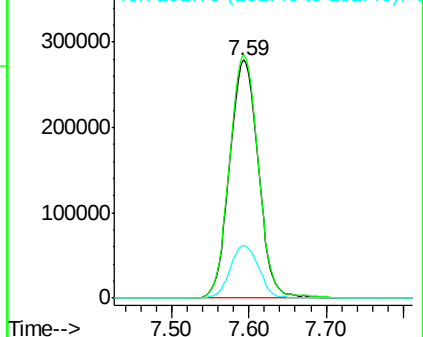


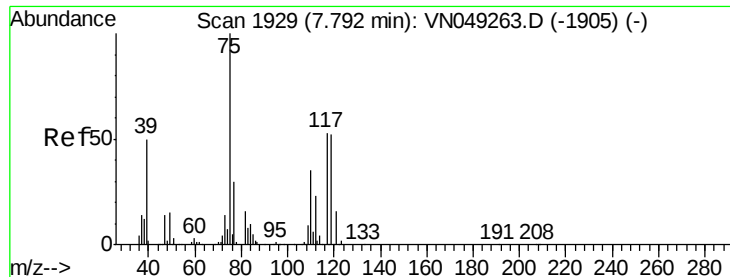
#35
 Dibromofluoromethane
 Concen: 45.73 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049375.D
 Acq: 19 Jun 2018 5:49

Tgt Ion:113 Resp: 715512
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 22.0 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.79 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.12 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

ClientSampleId :

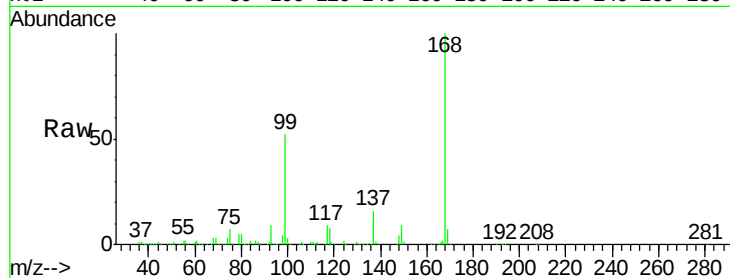
Tot Ion: 75 Resp: 83991

Ion Ratio Lower Upper

75 100

110 8.0 17.0 50.9#

77 0.0 24.4 36.6#

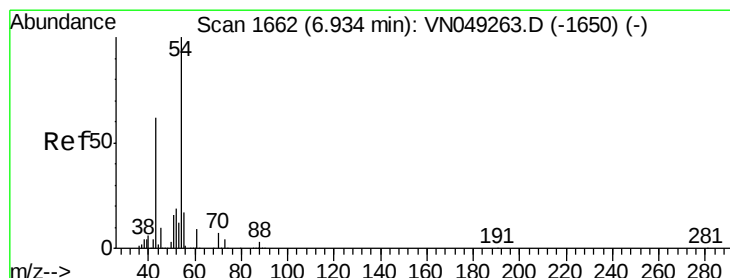
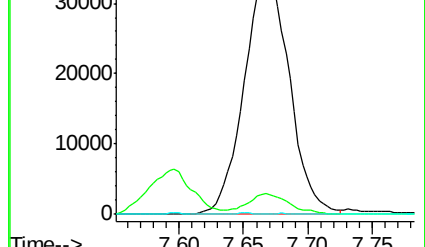
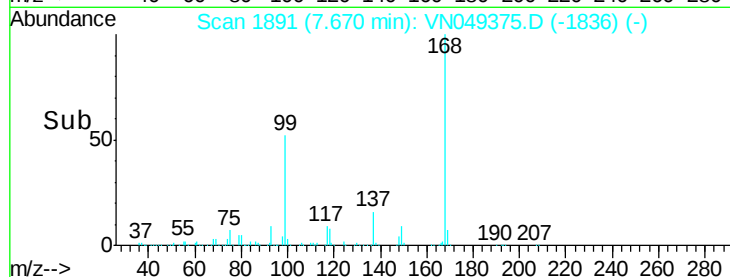


Abundance Ion 74.90 (74.60 to 75.60): VN049375.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049375.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049375.D (-1836) (-)

Time-->



#37

Ethyl Acetate

Concen: 0.45 ug/l

RT: 6.86 min Scan# 1640

Delta R.T. -0.07 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

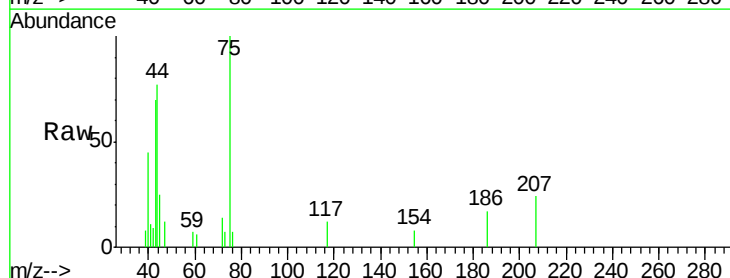
Tgt Ion: 43 Resp: 5391

Ion Ratio Lower Upper

43 100

61 1.2 11.0 16.4#

70 0.0 7.2 10.8#

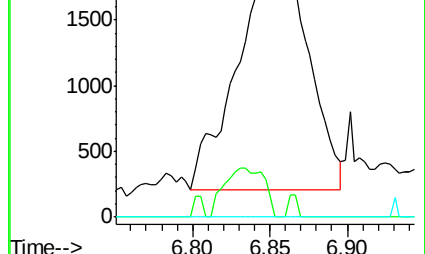
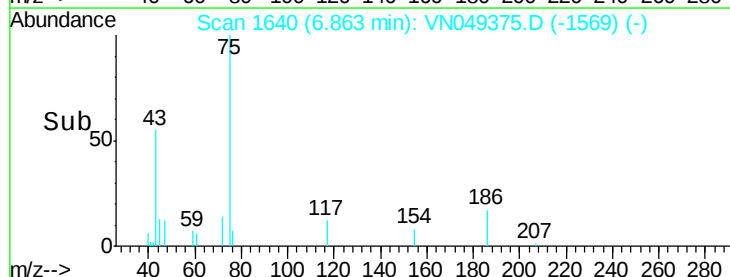


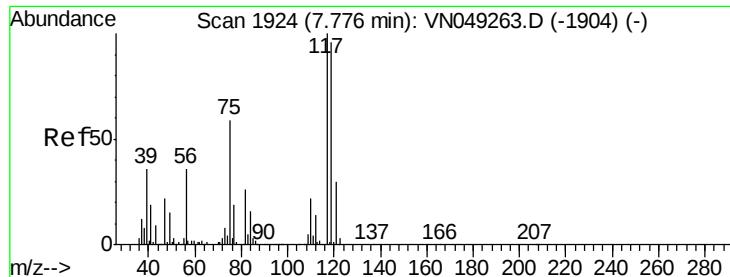
Abundance Ion 43.00 (42.70 to 43.70): VN049375.D (-1569) (-)

Ion 60.90 (60.60 to 61.60): VN049375.D (-1569) (-)

Ion 70.00 (69.70 to 70.70): VN049375.D (-1569) (-)

Time-->

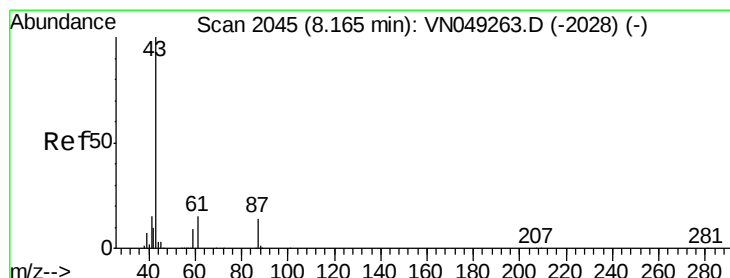
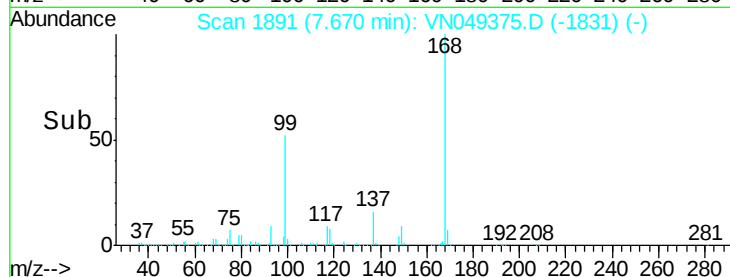
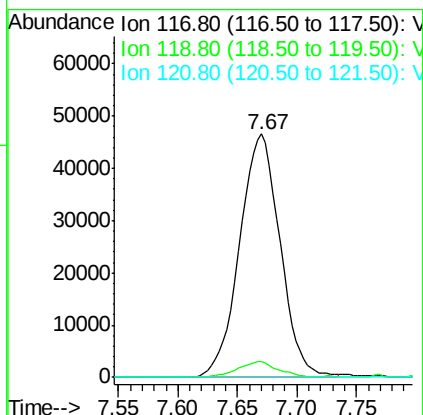
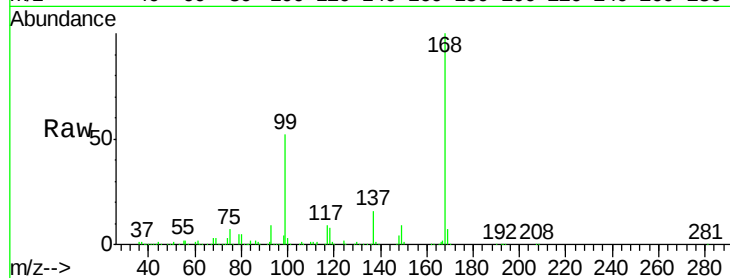




#38
Carbon Tetrachloride
Concen: 4.79 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

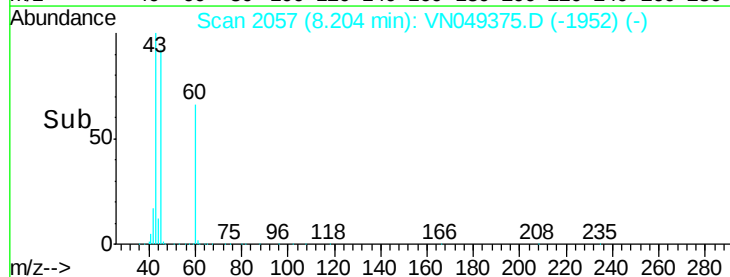
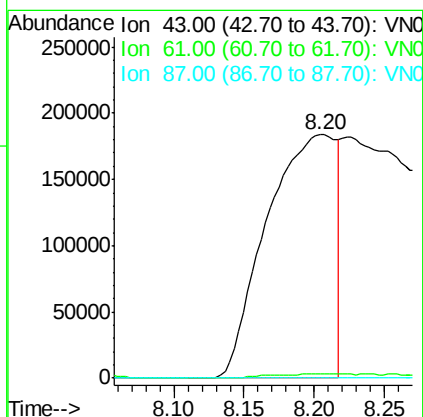
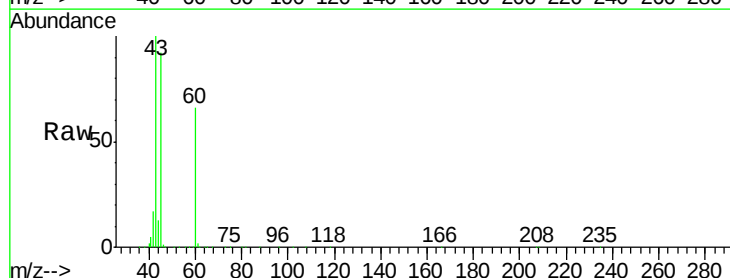
Instrument :
MSVOA_N
ClientSampleId :

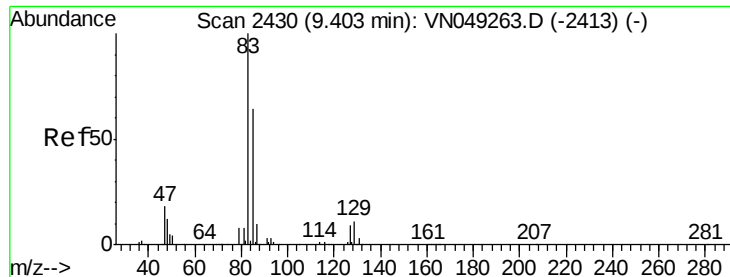
Tot Ion:117 Resp: 109818
Ion Ratio Lower Upper
117 100
119 6.6 75.6 113.4#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 27.41 ug/l
RT: 8.20 min Scan# 2057
Delta R.T. 0.04 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

Tgt Ion: 43 Resp: 631163
Ion Ratio Lower Upper
43 100
61 0.1 14.2 21.4#
87 0.0 9.4 14.0#





#47

Bromodichloromethane

Concen: 0.33 ug/l

RT: 9.41 min Scan# 2433

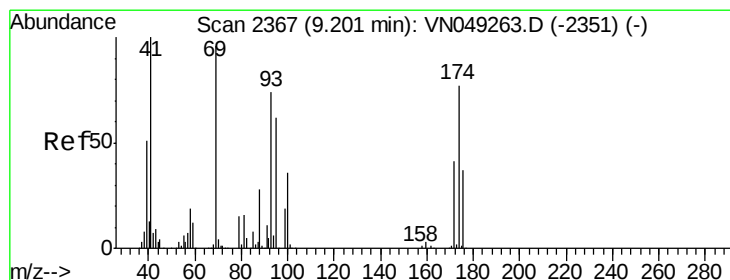
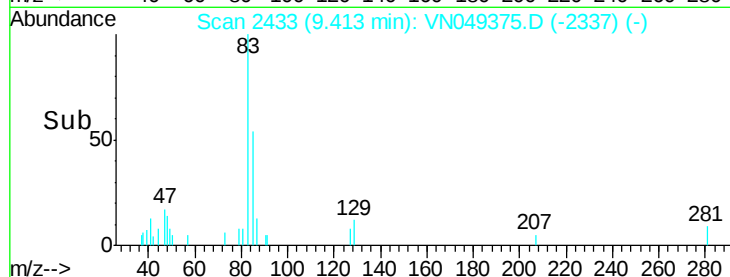
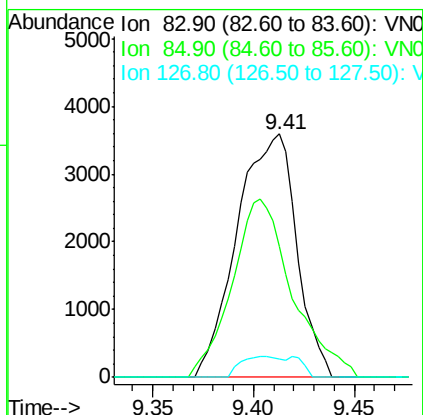
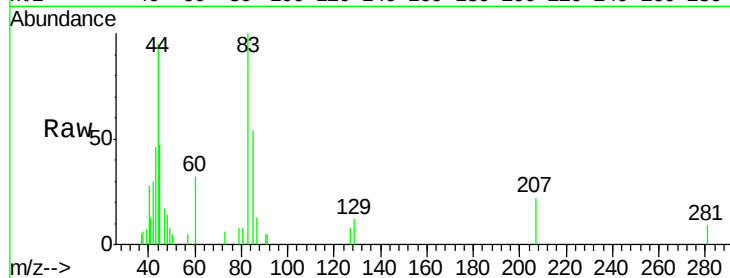
Delta R.T. 0.01 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	83	Resp:	7387
Ion	Ratio	Lower	Upper
83	100		
85	53.9	49.4	74.0
127	7.7	6.3	9.5



#49

1,4-Dioxane

Concen: 0.76 ug/l

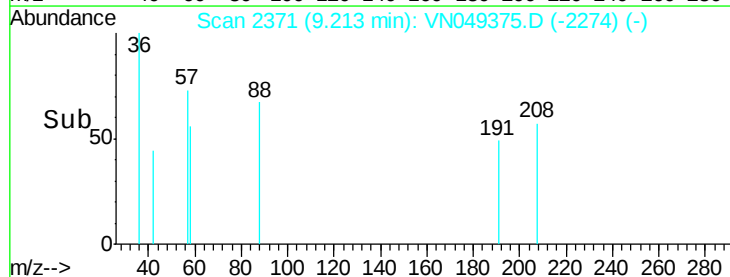
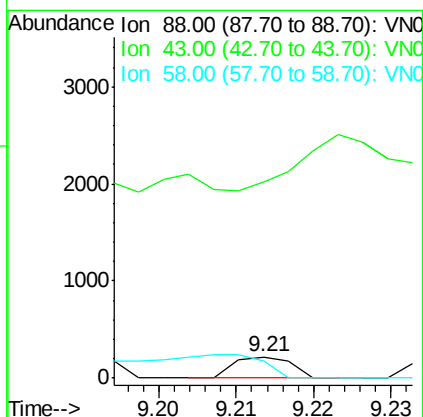
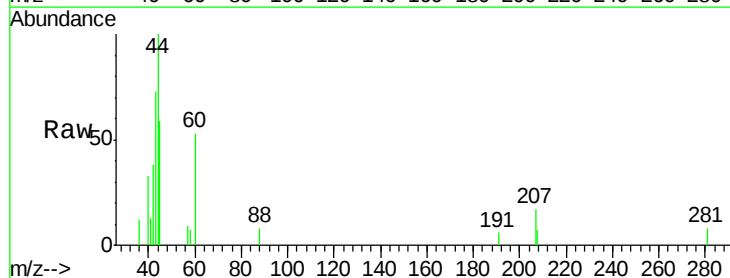
RT: 9.21 min Scan# 2371

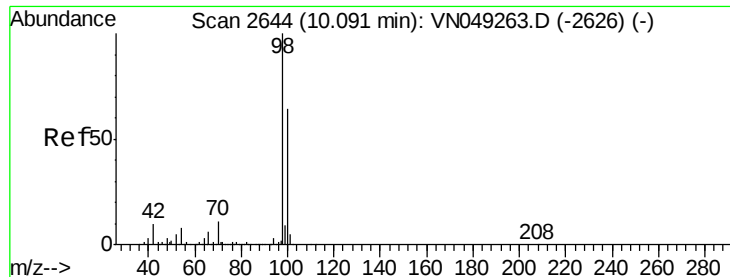
Delta R.T. 0.01 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Tgt Ion:	88	Resp:	113
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.9	46.3#
58	244.2	58.9	88.3#





#50

Toluene-d8

Concen: 44.14 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

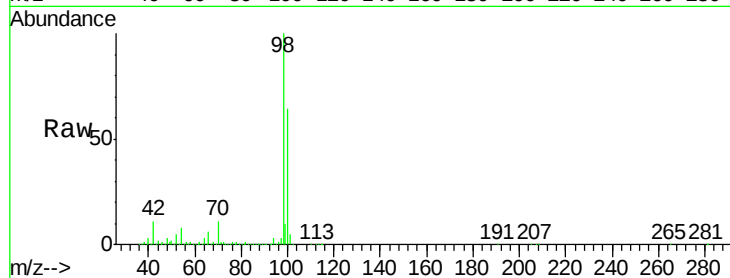
ClientSampleId :

Tot Ion: 98 Resp: 2629437

Ion Ratio Lower Upper

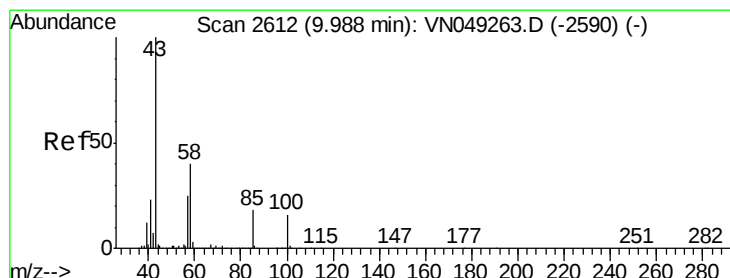
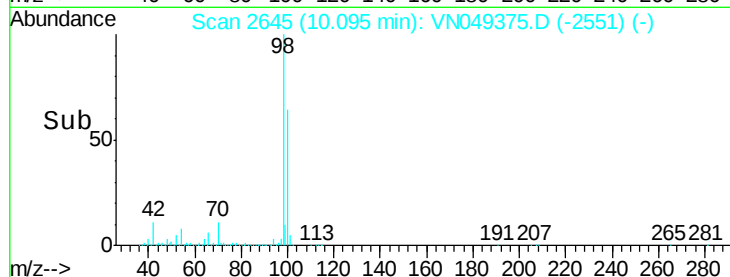
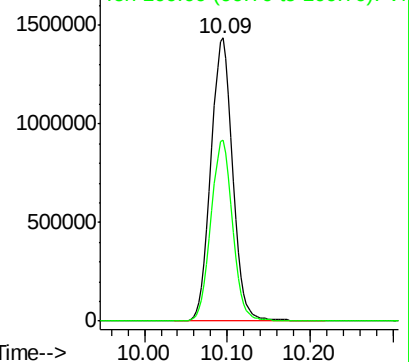
98 100

100 63.4 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: 0.48 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049375.D

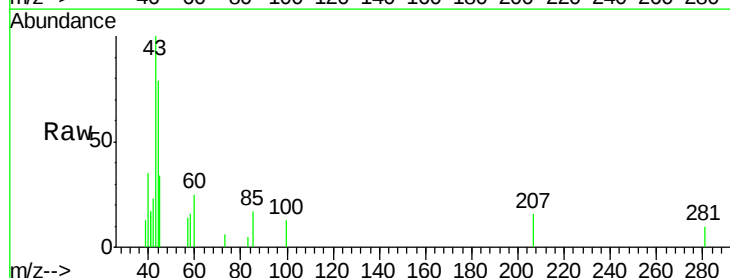
Acq: 19 Jun 2018 5:49

Tgt Ion: 43 Resp: 5805

Ion Ratio Lower Upper

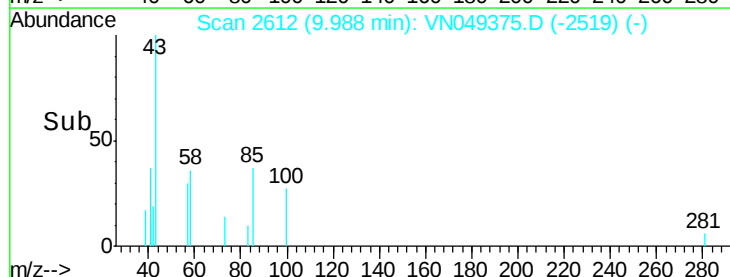
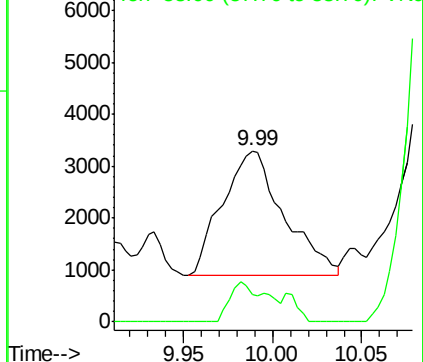
43 100

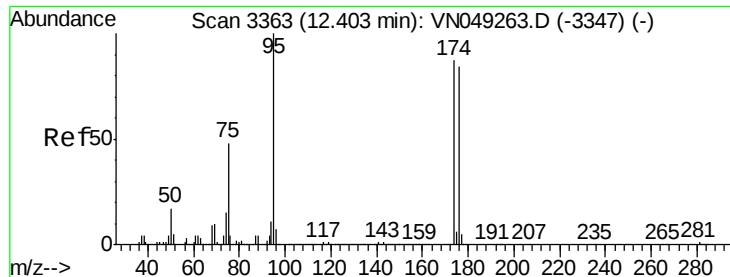
58 18.9 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 37.14 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

ClientSampled :

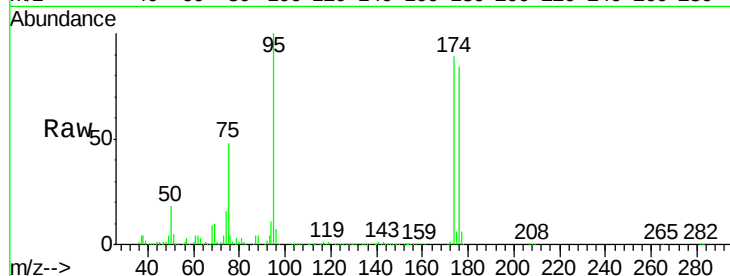
Tot Ion: 95 Resp: 731608

Ion Ratio Lower Upper

95 100

174 88.9 0.0 165.6

176 84.2 0.0 157.4



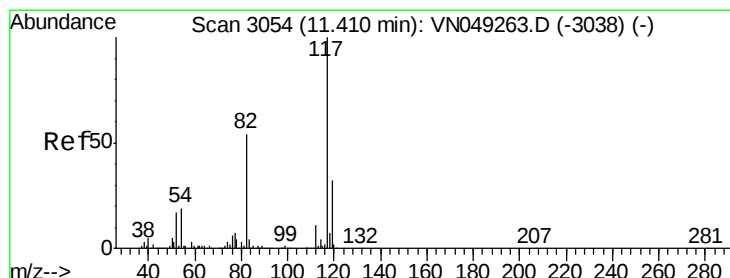
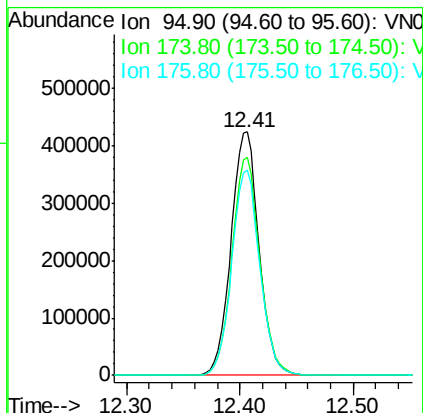
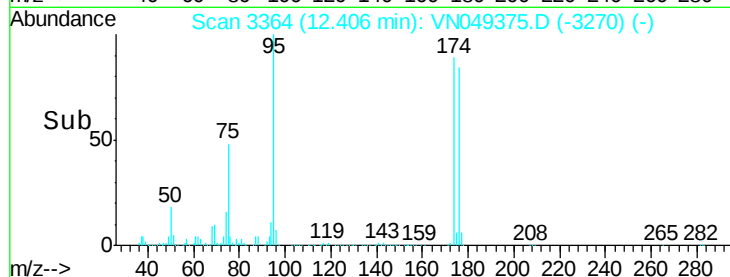
Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049263.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049263.D (-3347) (-)

12.41

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

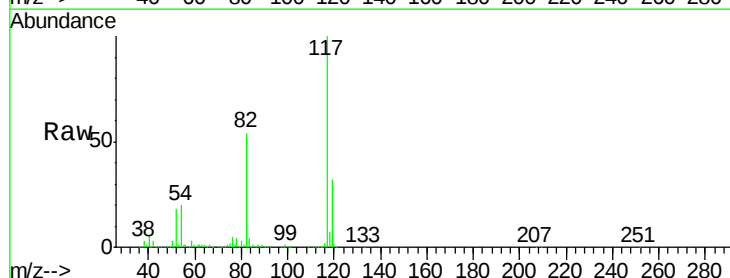
Tgt Ion: 117 Resp: 1621688

Ion Ratio Lower Upper

117 100

82 53.6 45.9 68.9

119 31.9 25.5 38.3



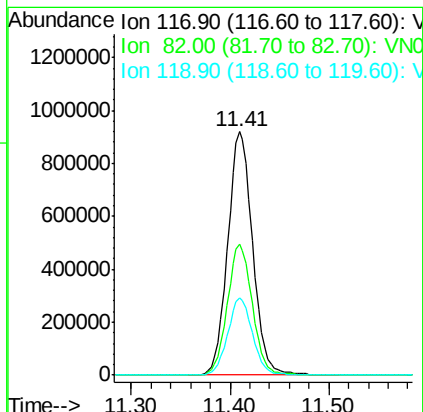
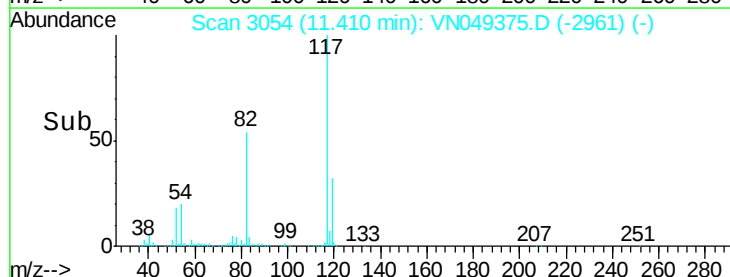
Abundance Ion 116.90 (116.60 to 117.60): VN049263.D (-3038) (-)

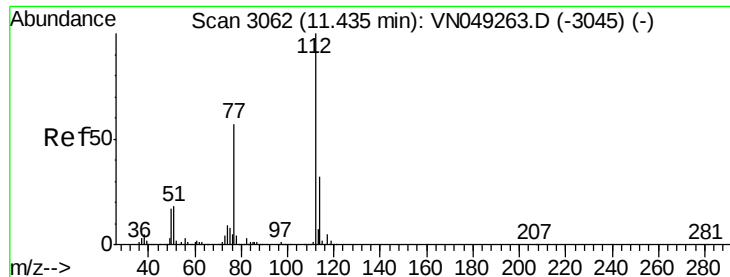
Ion 82.00 (81.70 to 82.70): VN049263.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049263.D (-3038) (-)

11.41

Time-->





#65

Chlorobenzene

Concen: 0.28 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

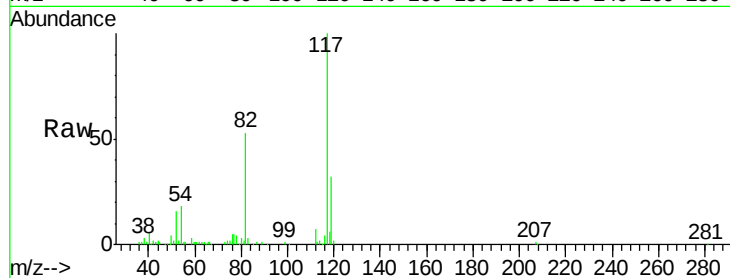
ClientSampleId :

Tot Ion:112 Resp: 11806

Ion Ratio Lower Upper

112 100

114 36.1 26.2 39.4

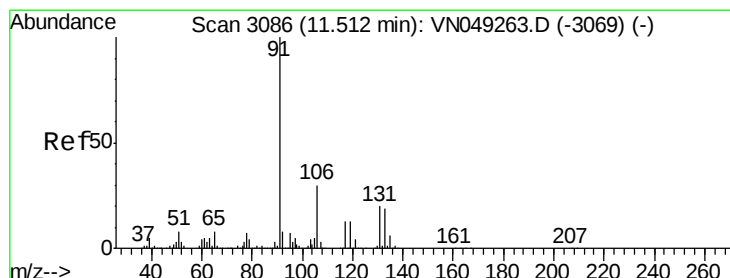
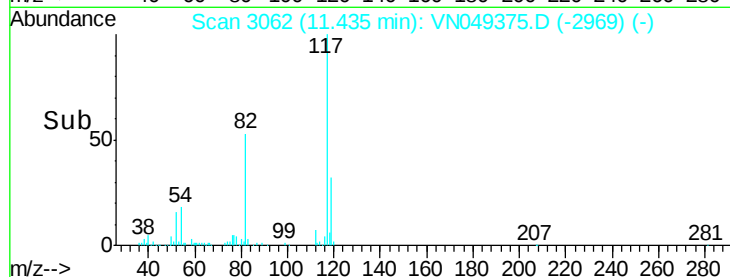


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

Time-->



#67

Ethyl Benzene

Concen: 0.20 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049375.D

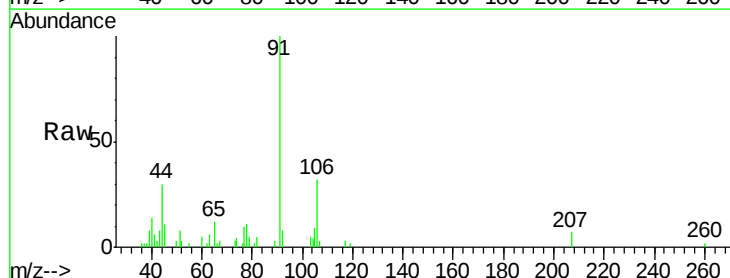
Acq: 19 Jun 2018 5:49

Tgt Ion: 91 Resp: 14132

Ion Ratio Lower Upper

91 100

106 32.1 23.9 35.9

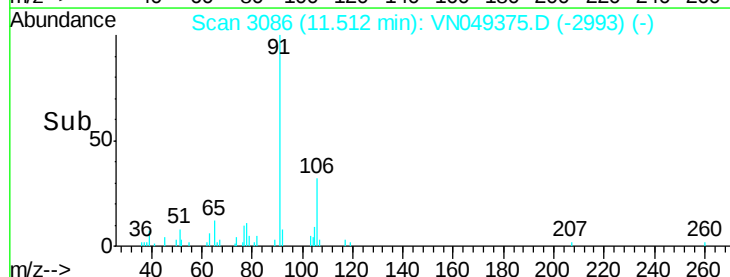


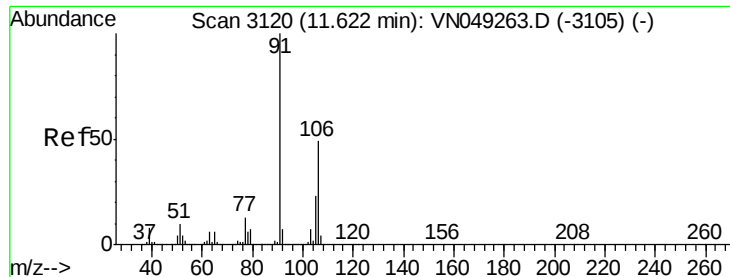
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

11.51

Time-->

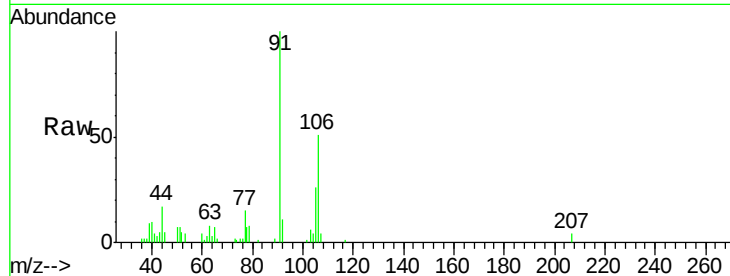




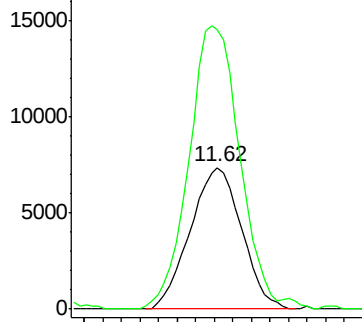
#68
m/p-Xylenes
Concen: 0.55 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

Instrument :
MSVOA_N
ClientSampled :

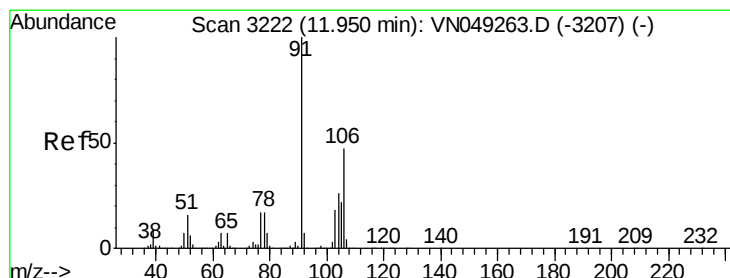
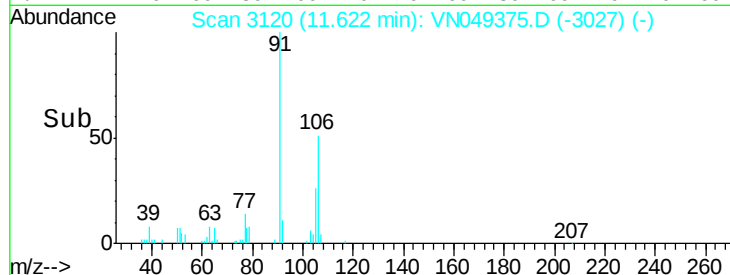
Tot Ion:106 Resp: 14204
Ion Ratio Lower Upper
106 100
91 198.1 167.3 250.9



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

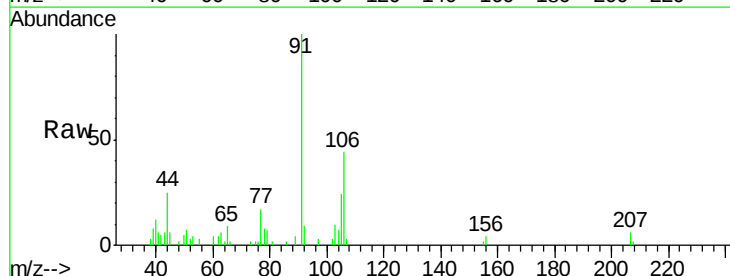


Time--> 11.55 11.60 11.65

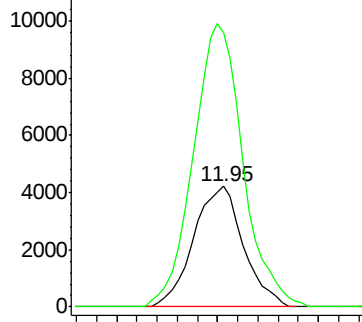


#69
o-Xylene
Concen: 0.29 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

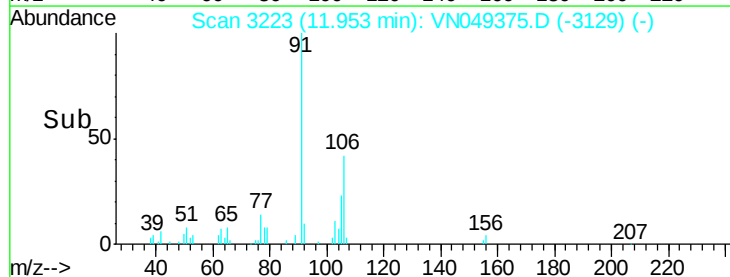
Tgt Ion:106 Resp: 7285
Ion Ratio Lower Upper
106 100
91 233.7 111.0 333.0

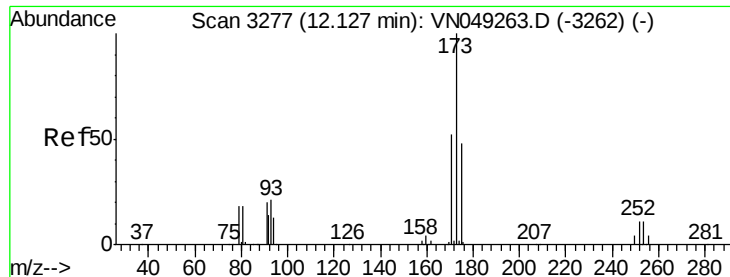


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0



Time--> 11.90 11.95 12.00

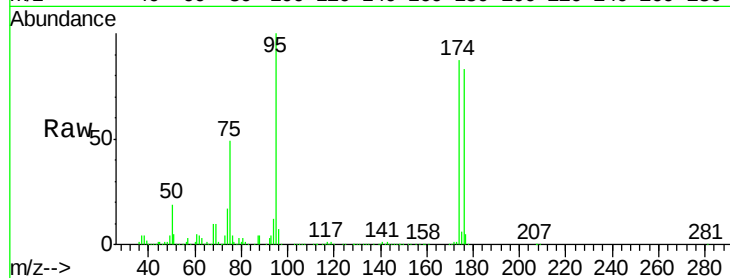




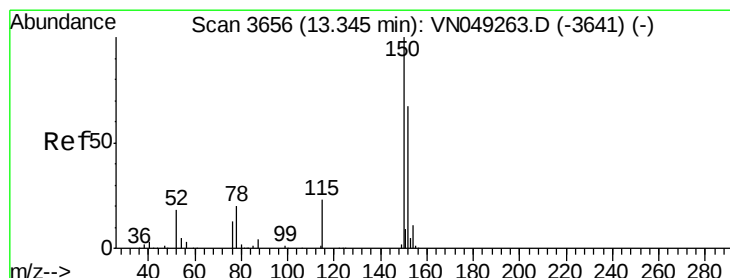
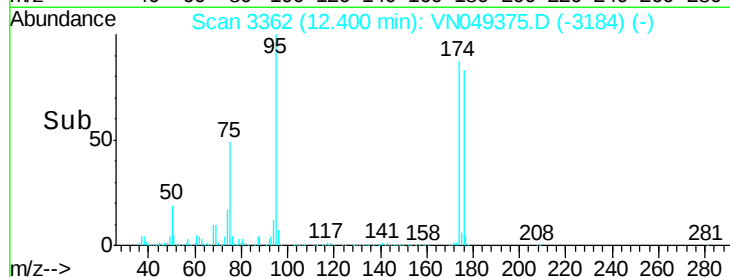
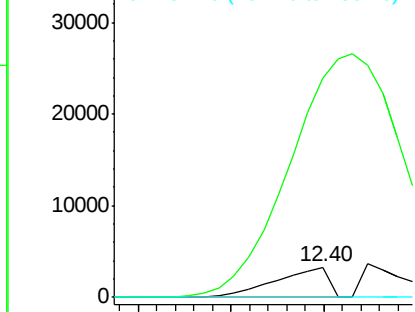
#71
Bromoform
Concen: 0.25 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 2553
Ion Ratio Lower Upper
173 100
175 1409.4 24.5 73.5#
254 0.0 0.1 0.1#

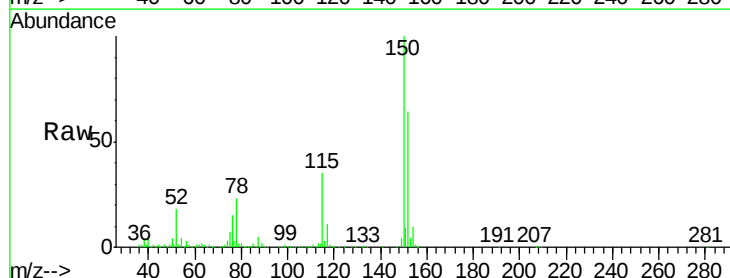


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

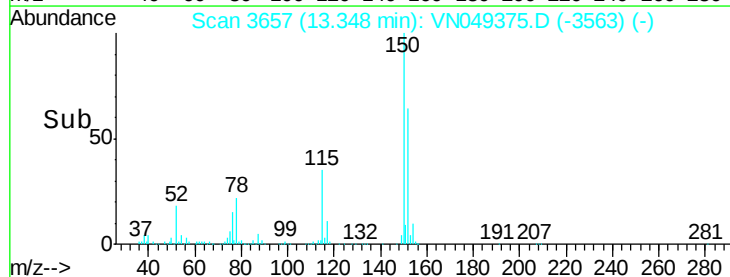
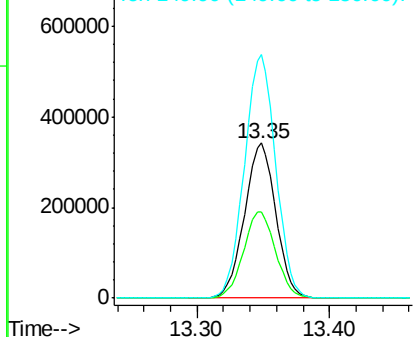


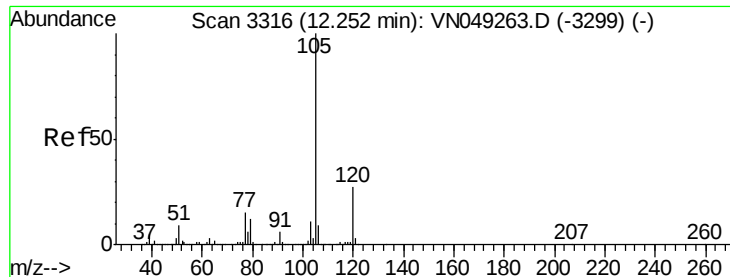
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

Tgt Ion:152 Resp: 559862
Ion Ratio Lower Upper
152 100
115 56.8 28.7 86.1
150 157.3 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: 0.29 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

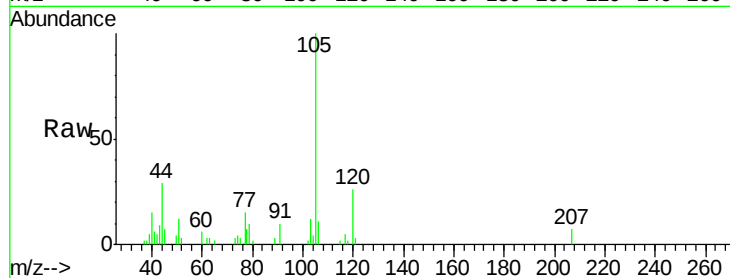
ClientSampled :

Tot Ion:105 Resp: 14186

Ion Ratio Lower Upper

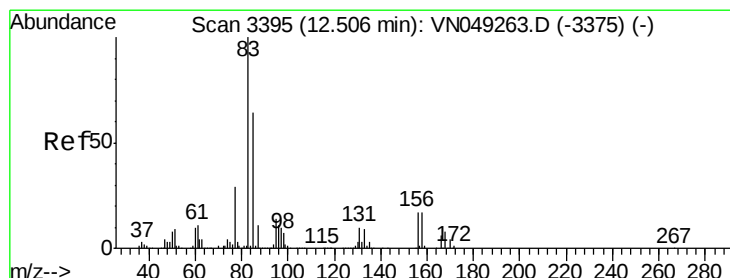
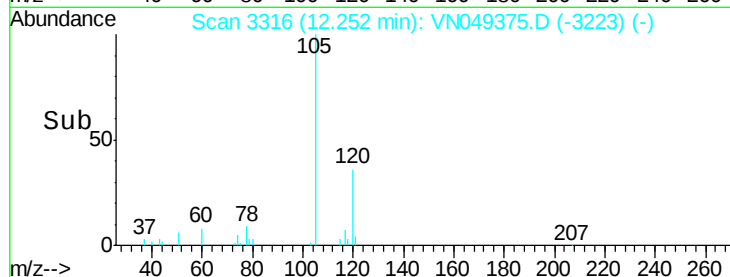
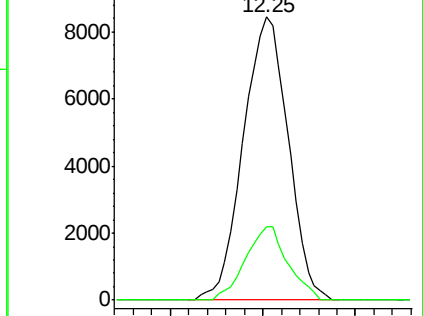
105 100

120 24.3 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: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

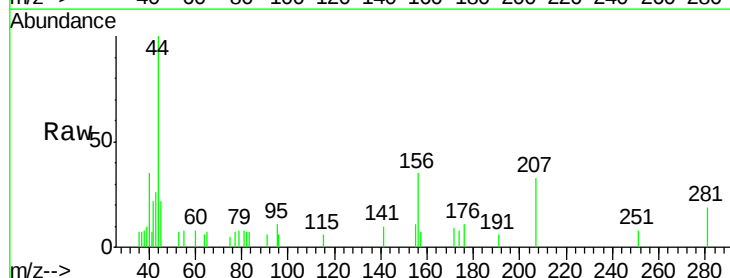
Tgt Ion: 83 Resp: 103

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

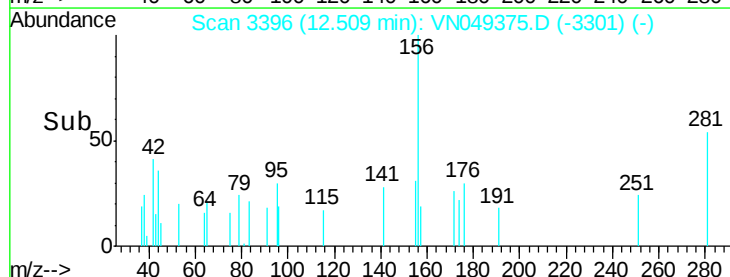
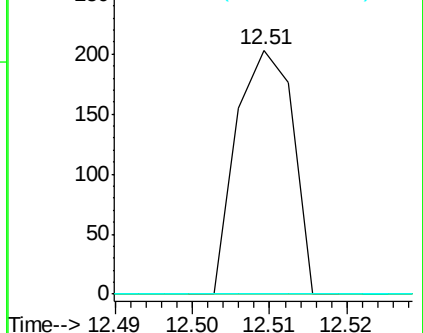
85 0.0 32.0 96.0#

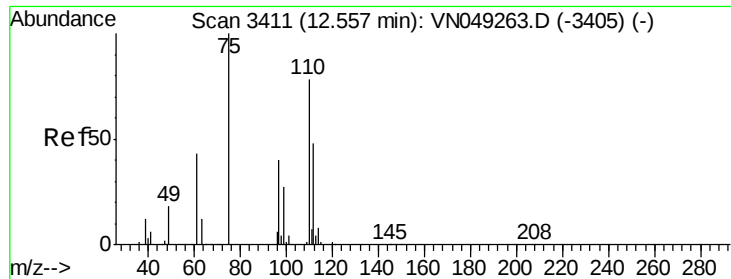


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

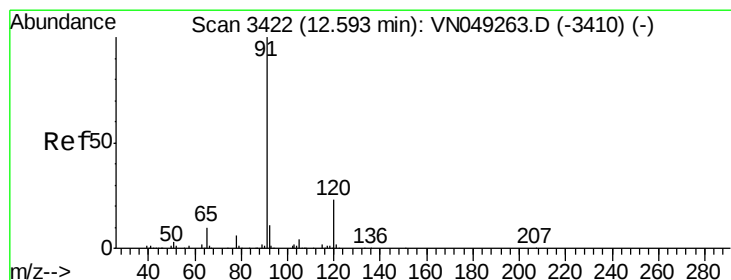
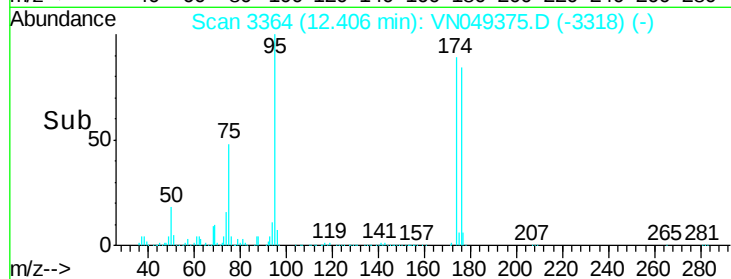
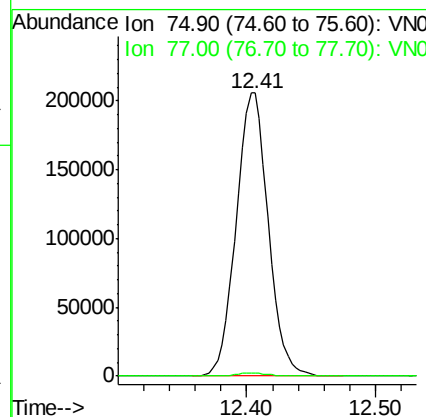
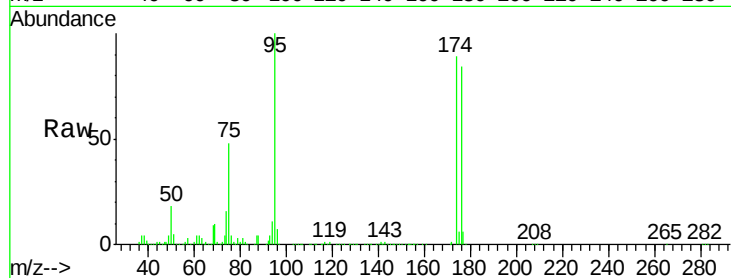




#76
 1,2,3-Trichloropropane
 Concen: 37.18 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. -0.15 min
 Lab File: VN049375.D
 Acq: 19 Jun 2018 5:49

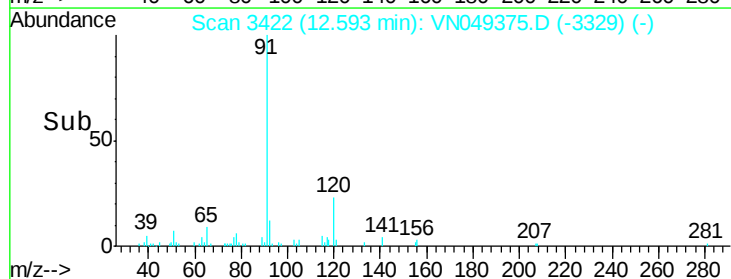
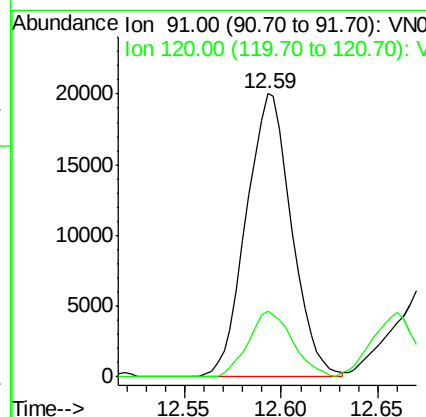
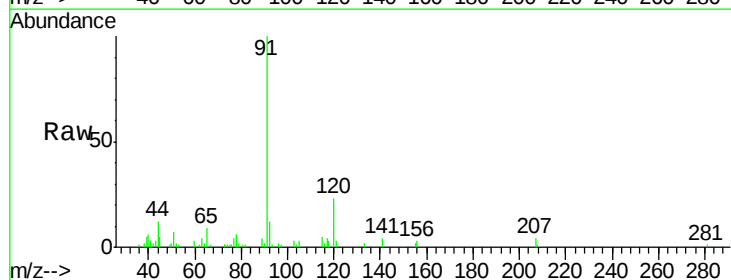
Instrument :
 MSVOA_N
 ClientSampled :

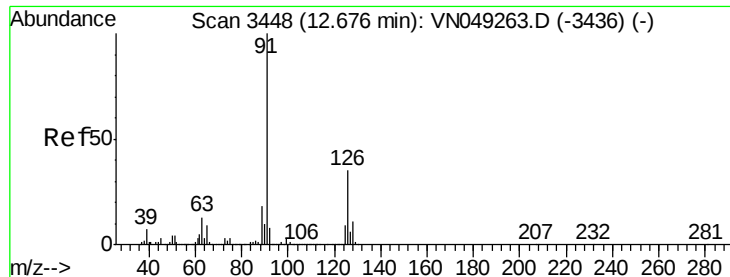
Tot Ion: 75 Resp: 355159
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#78
 n-propylbenzene
 Concen: 0.61 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN049375.D
 Acq: 19 Jun 2018 5:49

Tgt Ion: 91 Resp: 32692
 Ion Ratio Lower Upper
 91 100
 120 22.6 11.2 33.5

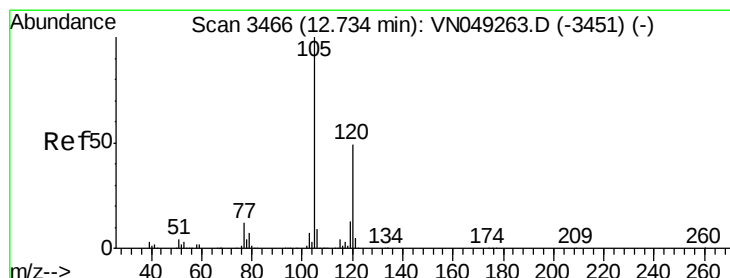
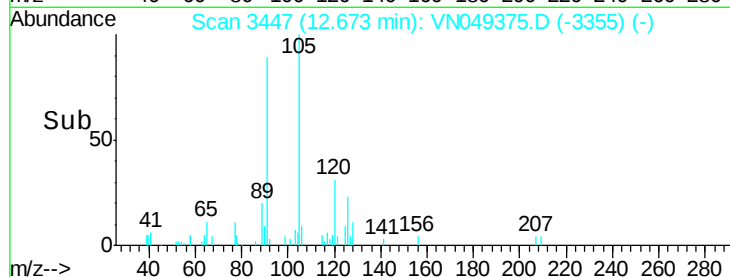
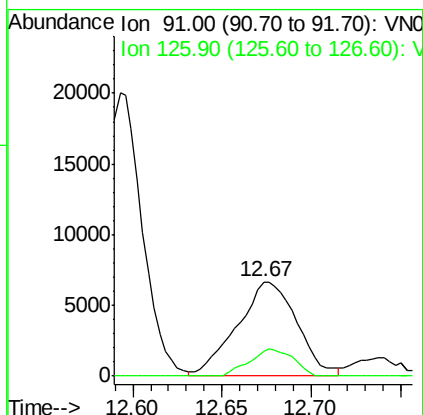
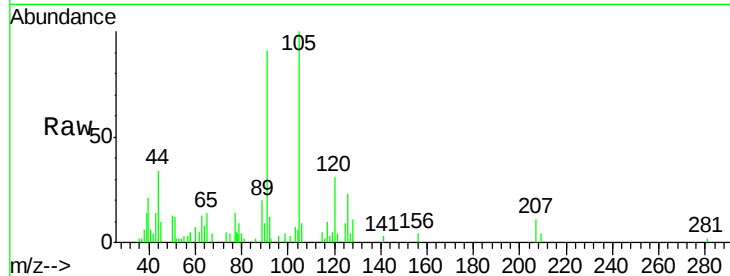




#79
 2-Chlorotoluene
 Concen: 0.46 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN049375.D
 Acq: 19 Jun 2018 5:49

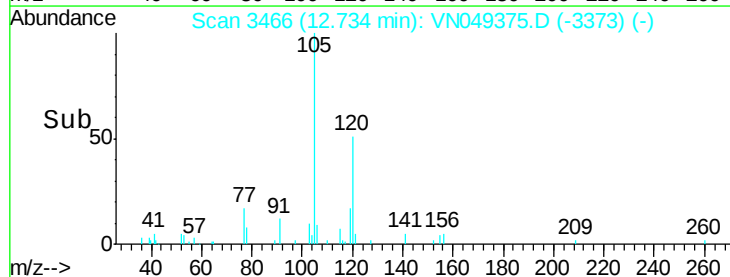
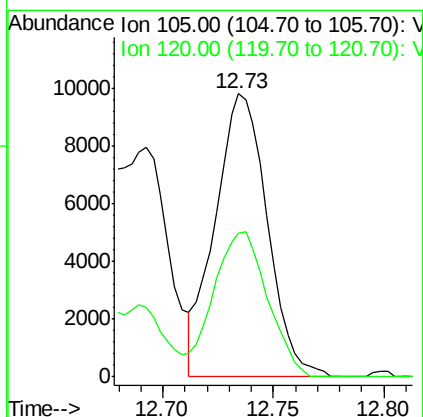
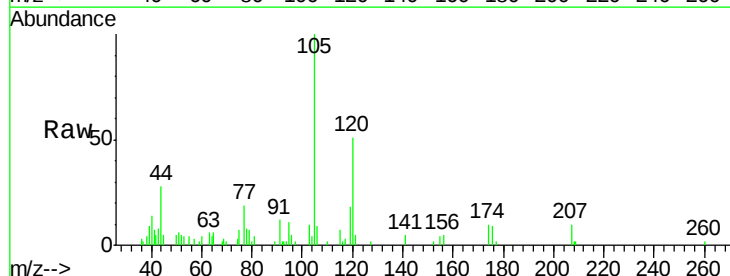
Instrument :
 MSVOA_N
 ClientSampled :

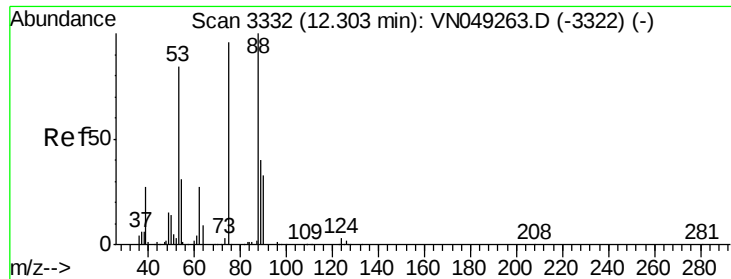
Tot Ion: 91 Resp: 15620
 Ion Ratio Lower Upper
 91 100
 126 21.0 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 0.42 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049375.D
 Acq: 19 Jun 2018 5:49

Tgt Ion: 105 Resp: 16159
 Ion Ratio Lower Upper
 105 100
 120 53.5 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 117.51 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

ClientSampled :

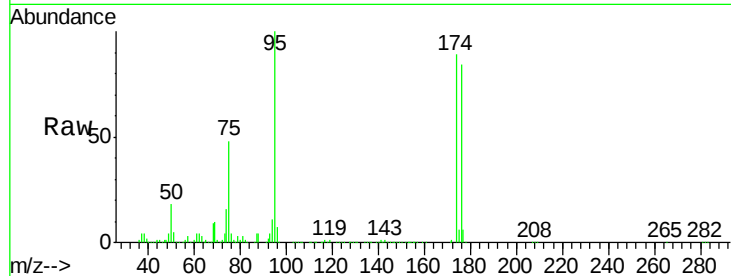
Tot Ion: 75 Resp: 355159

Ion Ratio Lower Upper

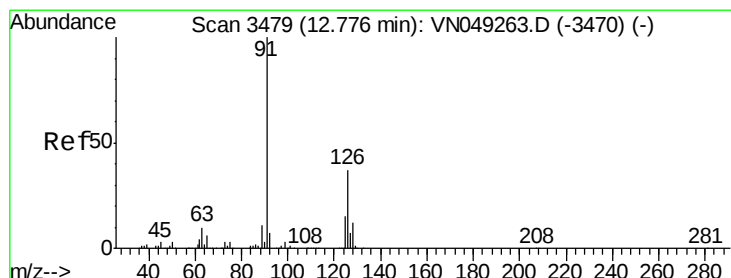
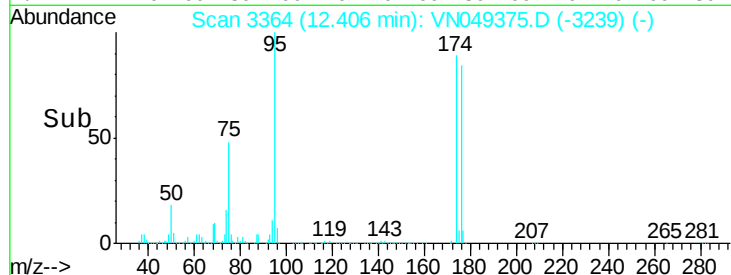
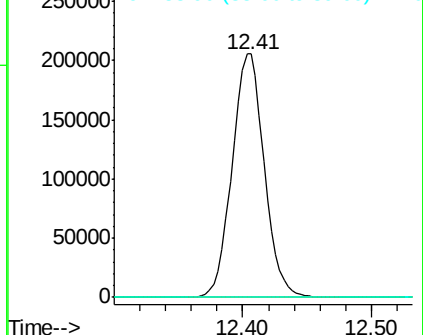
75 100

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



#82

4-Chlorotoluene

Concen: 0.47 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.10 min

Lab File: VN049375.D

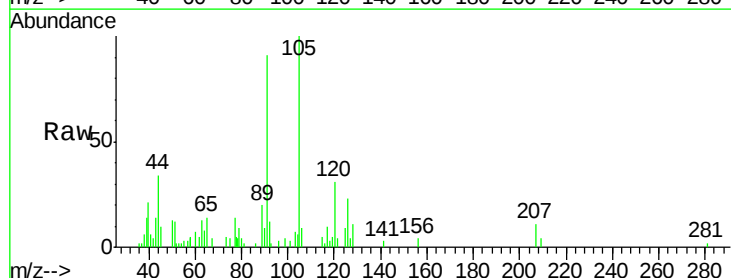
Acq: 19 Jun 2018 5:49

Tgt Ion: 91 Resp: 15620

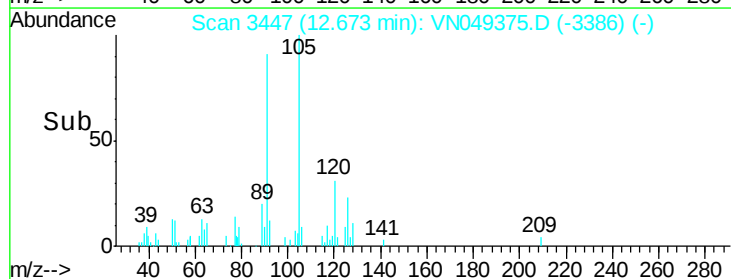
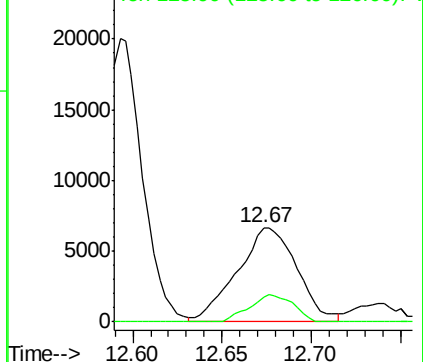
Ion Ratio Lower Upper

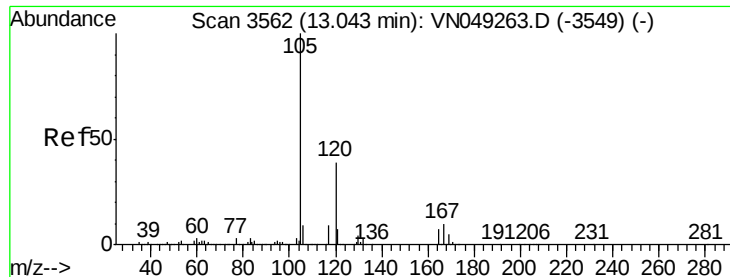
91 100

126 21.0 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 1.59 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

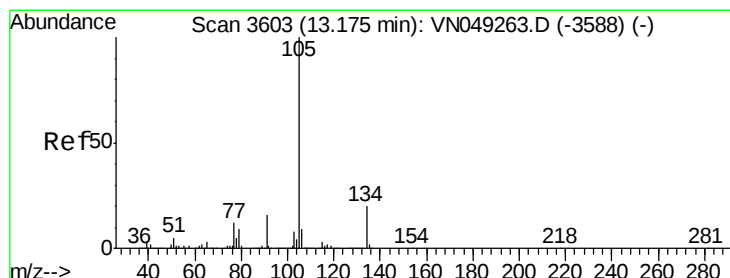
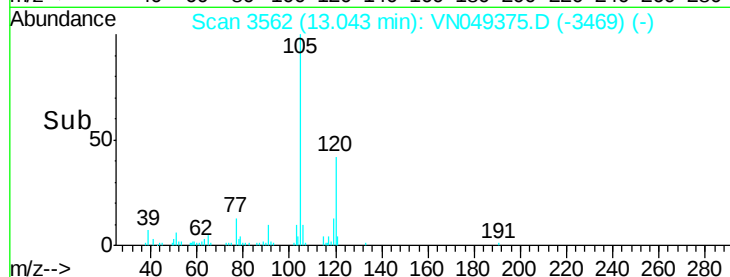
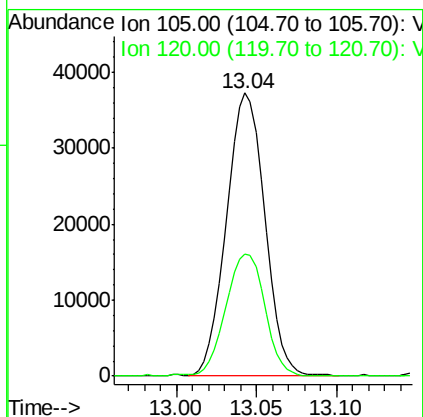
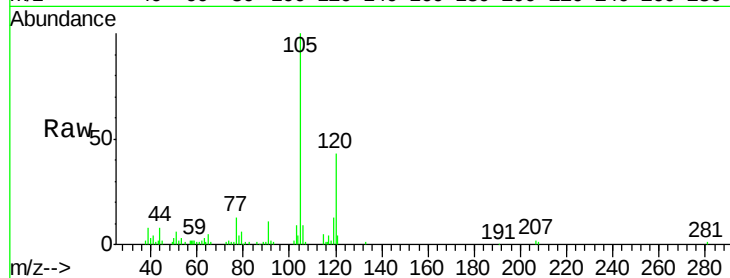
ClientSampleId :

Tot Ion:105 Resp: 61066

Ion Ratio Lower Upper

105 100

120 44.0 22.2 66.6



#85

sec-Butylbenzene

Concen: 0.42 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049375.D

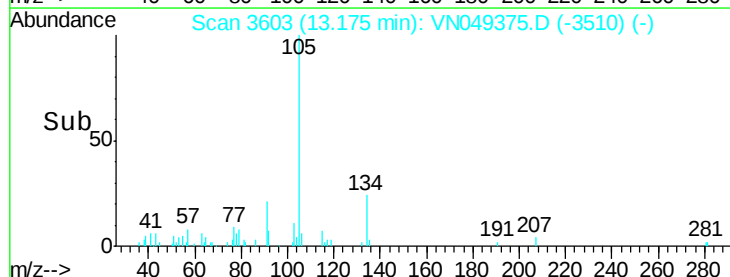
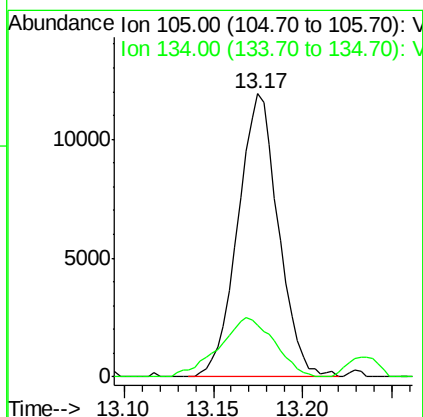
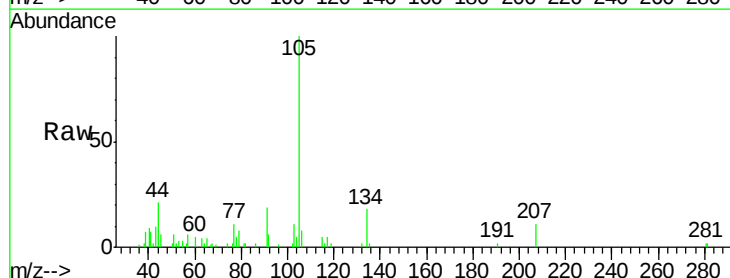
Acq: 19 Jun 2018 5:49

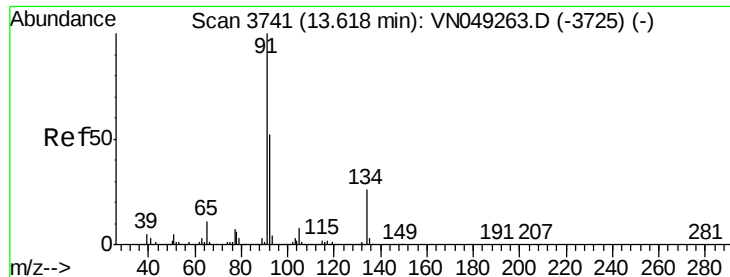
Tgt Ion:105 Resp: 18954

Ion Ratio Lower Upper

105 100

134 28.3 9.8 29.3

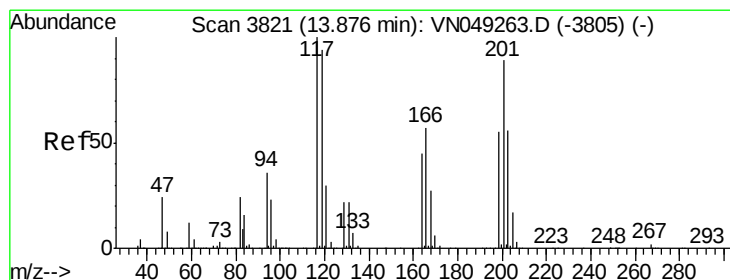
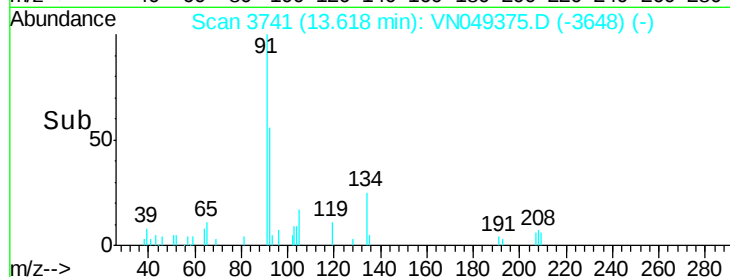
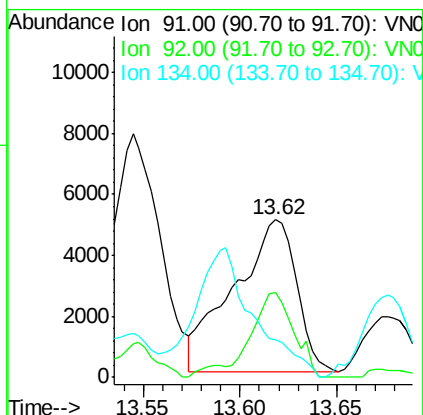
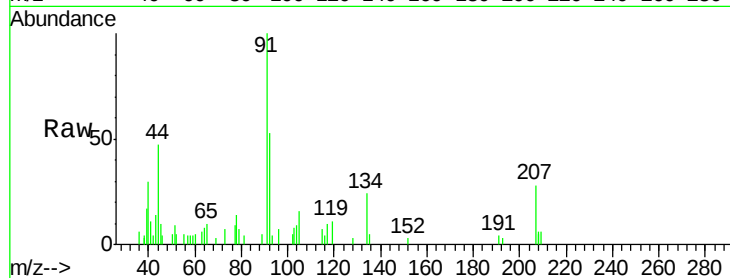




#89
n-Butylbenzene
Concen: 0.38 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

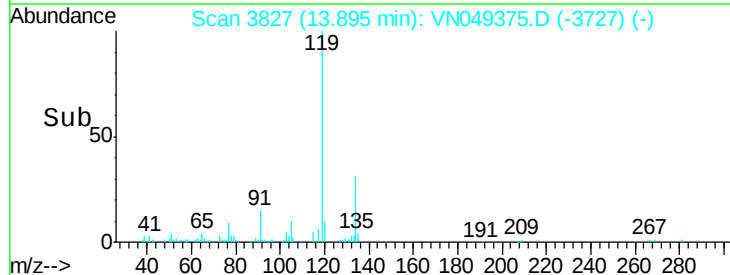
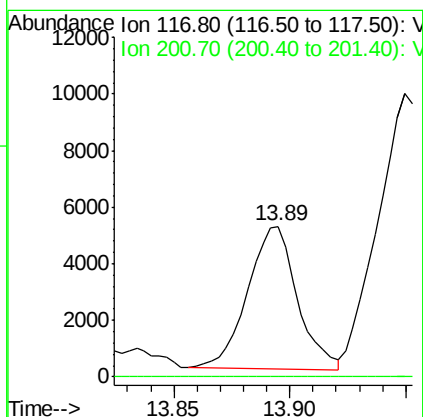
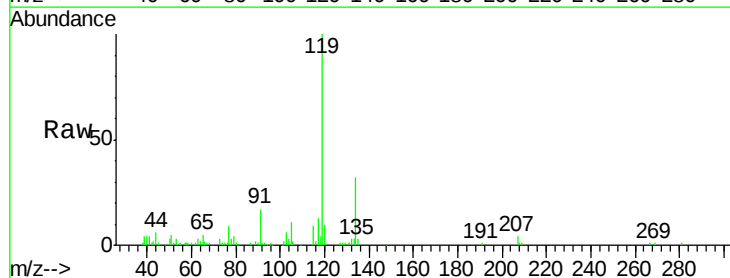
Instrument :
MSVOA_N
ClientSampleId :

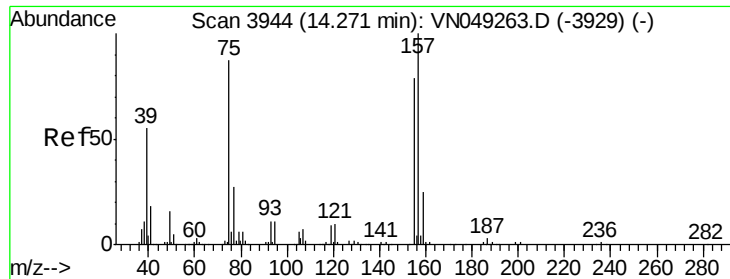
Tot Ion: 91 Resp: 11392
Ion Ratio Lower Upper
91 100
92 36.4 25.1 75.4
134 0.0 12.0 36.0#



#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3827
Delta R.T. 0.02 min
Lab File: VN049375.D
Acq: 19 Jun 2018 5:49

Tgt Ion: 117 Resp: 7503
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.24 ug/l

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

ClientSampled :

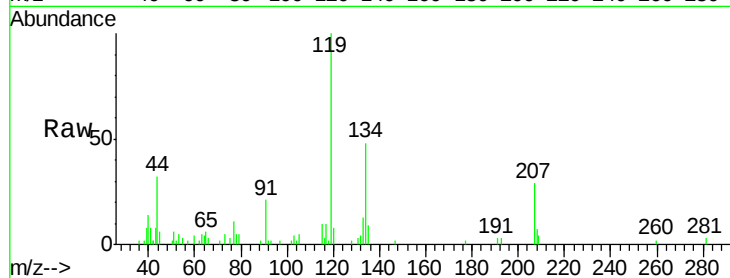
Tot Ion: 75 Resp: 418

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

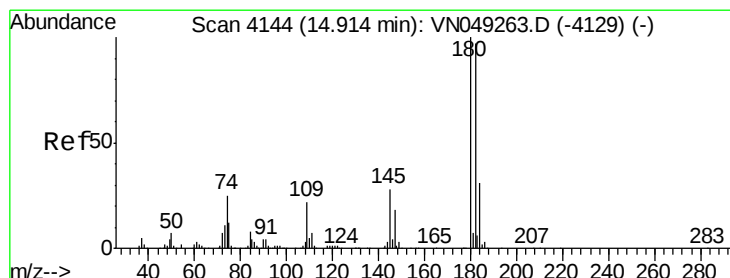
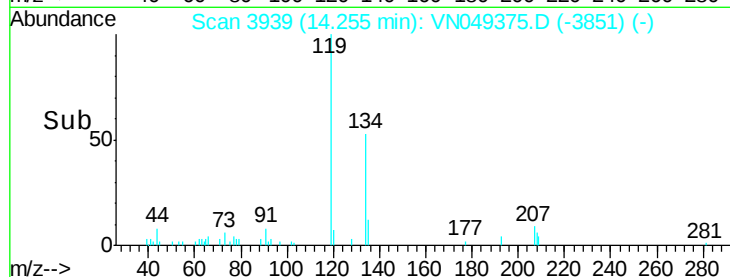
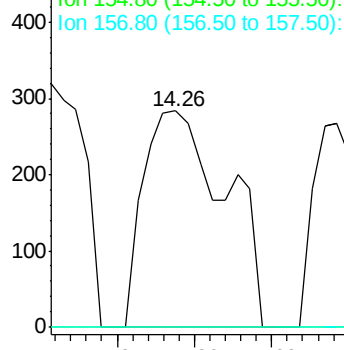
157 0.0 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-3929) (-)

Ion 154.80 (154.50 to 155.50): VN049263.D (-3929) (-)

Ion 156.80 (156.50 to 157.50): VN049263.D (-3929) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.79 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

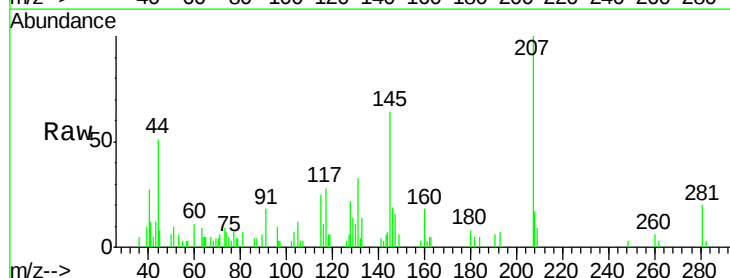
Tgt Ion: 180 Resp: 463

Ion Ratio Lower Upper

180 100

182 110.4 46.9 140.8

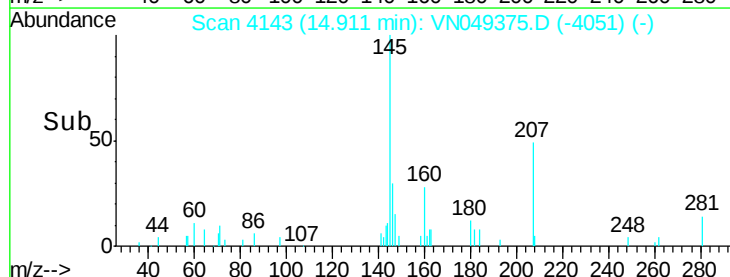
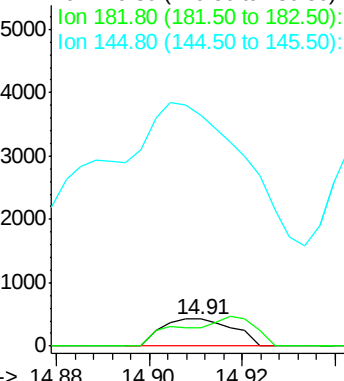
145 2299.8 14.7 44.1#

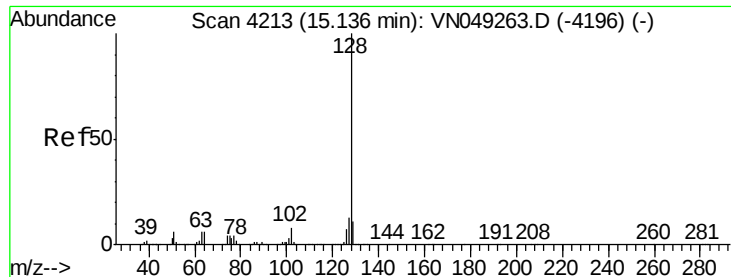


Abundance Ion 179.80 (179.50 to 180.50): VN049263.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN049263.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN049263.D (-4129) (-)





#95

Naphthalene

Concen: 25.85 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

Instrument :

MSVOA_N

ClientSampleId :

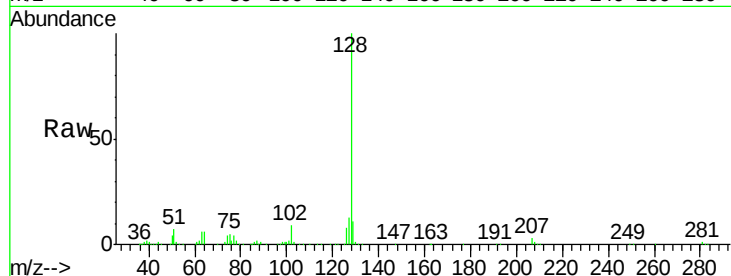
Tot Ion:128 Resp: 395102

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

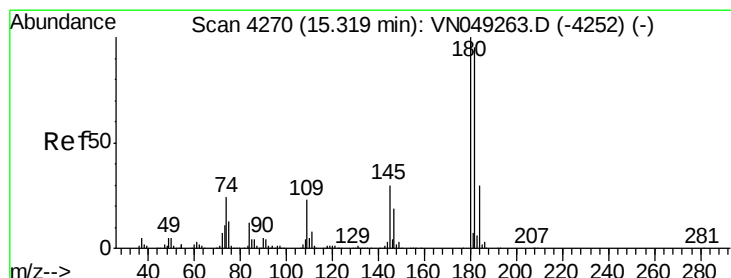
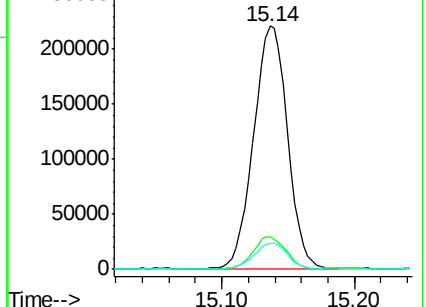
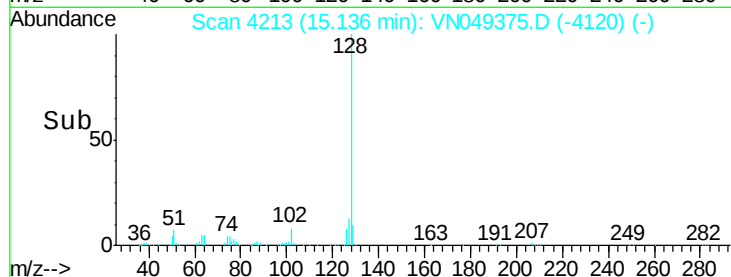
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.49 ug/l

RT: 15.31 min Scan# 4267

Delta R.T. -0.01 min

Lab File: VN049375.D

Acq: 19 Jun 2018 5:49

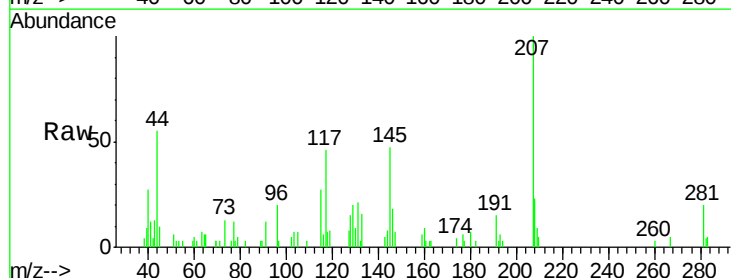
Tgt Ion:180 Resp: 356

Ion Ratio Lower Upper

180 100

182 52.2 47.3 141.8

145 2787.9 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

