

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055108.D
 Acq On : 17 Apr 2019 16:09
 Operator : JC/SP
 Sample : K2441-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 18 03:05:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	487324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	790542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	666534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229649	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	312785	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	7.59	113	253586	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	10.09	98	947005	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.40	95	285137	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.55	41	31936	3.373	ug/l #	26
16) Acetone	3.82	43	12485	7.101	ug/l #	90
18) Methyl Acetate	4.33	43	4617	0.478	ug/l #	89
20) Methylene Chloride	4.54	84	667425	107.987	ug/l	98
25) 2-Butanone	6.85	43	717	0.273	ug/l #	53
30) Chloroform	7.37	83	5062	0.503	ug/l	92
31) Cyclohexane	7.66	56	10141	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	36800	4.938	ug/l #	49
38) Carbon Tetrachloride	7.67	117	45268	6.385	ug/l #	16
43) Isopropyl Acetate	8.17	43	13470	1.441	ug/l #	90
45) 1,2-Dichloropropane	9.27	63	1428	0.228	ug/l #	44
48) Methyl methacrylate	9.18	41	6862	1.481	ug/l #	17
49) 1,4-Dioxane	9.26	88	151	3.478	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	7037	1.303	ug/l #	39
54) cis-1,3-Dichloropropene	9.90	75	44323	5.559	ug/l #	65
57) 1,3-Dichloropropane	10.76	76	9240	1.095	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.72	63	29	10.748	ug/l #	50
59) 2-Hexanone	10.76	43	147817	43.575	ug/l #	54
67) Ethyl Benzene	11.51	91	28167	1.176	ug/l	100
68) m/p-Xylenes	11.62	106	47938	5.525	ug/l	98
69) o-Xylene	11.95	106	20372	2.424	ug/l	98
71) Bromoform	12.40	173	3004	1.062	ug/l #	1
74) N-ethyl acetate	11.88	43	15192	2.648	ug/l #	57
76) 1,2,3-Trichloropropane	12.40	75	141261	34.207	ug/l #	100
78) n-propylbenzene	12.59	91	10500	0.477	ug/l	95
79) 2-Chlorotoluene	12.66	91	10255	0.747	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	39672	2.412	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	141261	136.787	ug/l #	2
82) 4-Chlorotoluene	12.73	91	4109	0.321	ug/l #	42
83) tert-Butylbenzene	13.04	119	21375	1.539	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.04	105	172722	11.083	ug/l	100
85) sec-Butylbenzene	13.04	105	172722	9.760	ug/l #	58
86) p-Isopropyltoluene	13.23	119	4020	0.265	ug/l	96
90) Hexachloroethane	13.89	117	1274	0.516	ug/l #	6

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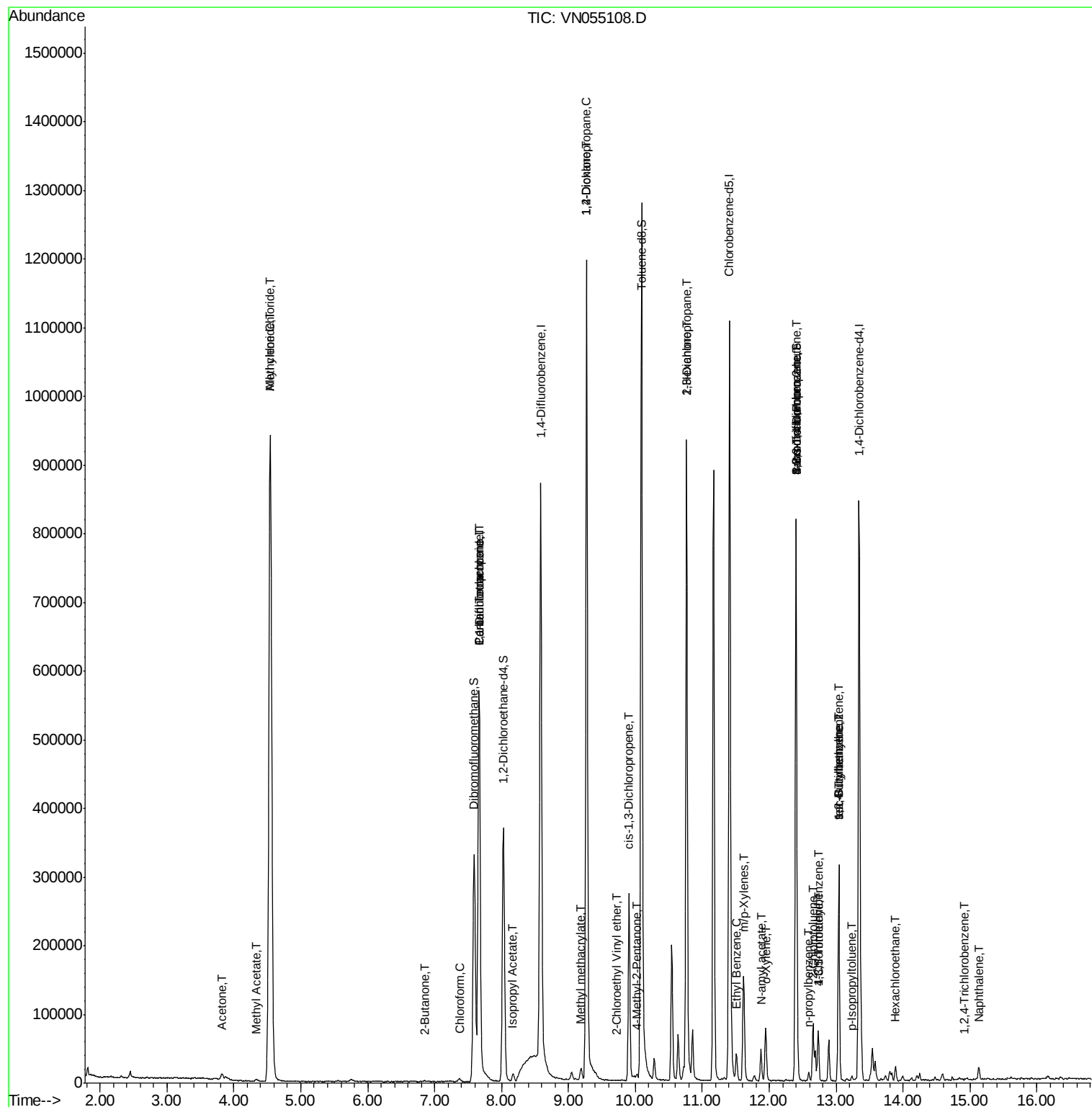
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63	2.694	ug/l #	49
95) Naphthalene	15.13	128	14078	4.683	ug/l	99

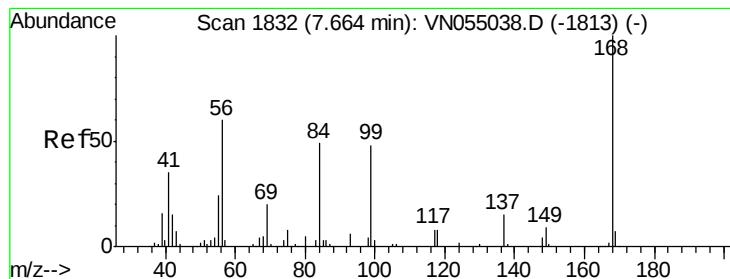
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

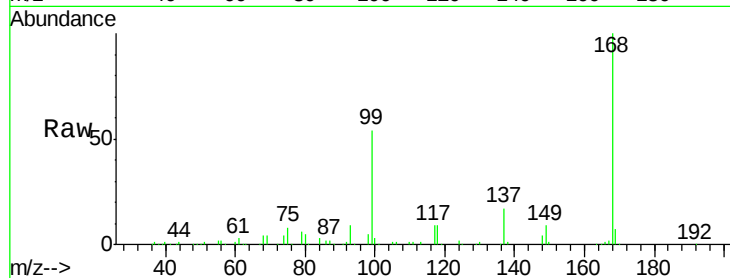
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 487324

Ion Ratio Lower Upper

168 100

99 54.1 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

100000

50000

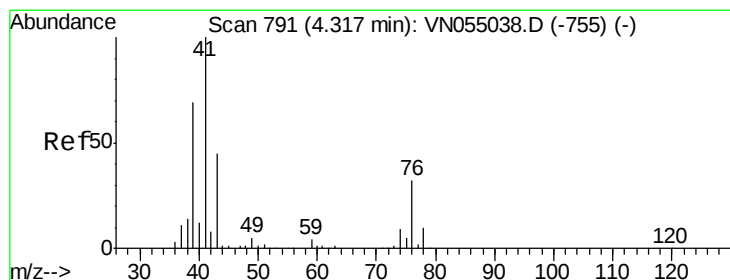
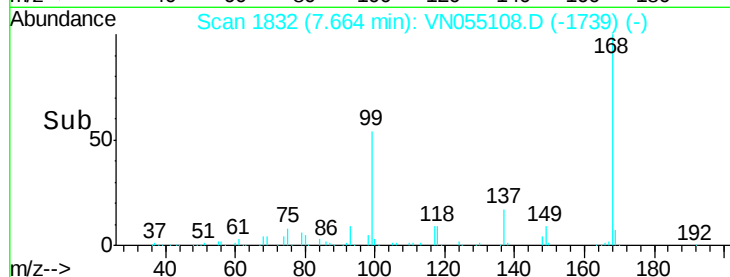
0

Time-->

7.60

7.70

7.80



#14

Allyl chloride

Concen: 3.373 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.23 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

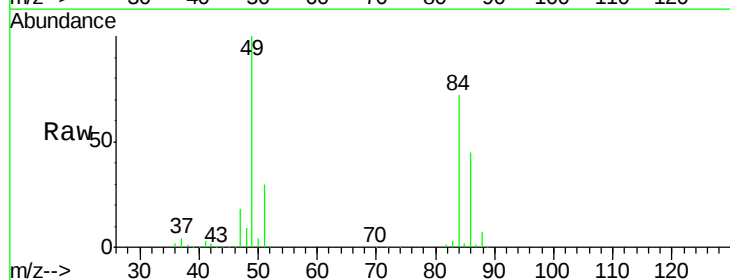
Tgt Ion: 41 Resp: 31936

Ion Ratio Lower Upper

41 100

39 0.0 52.7 79.1#

76 0.0 23.2 34.8#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.55

10000

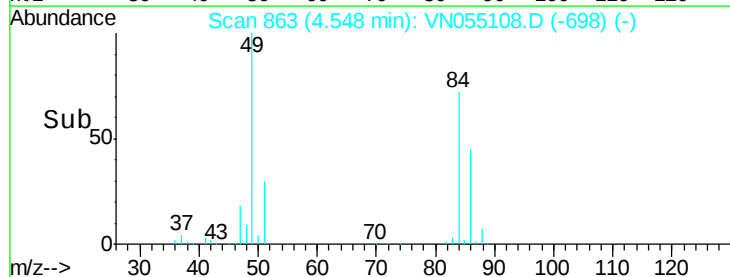
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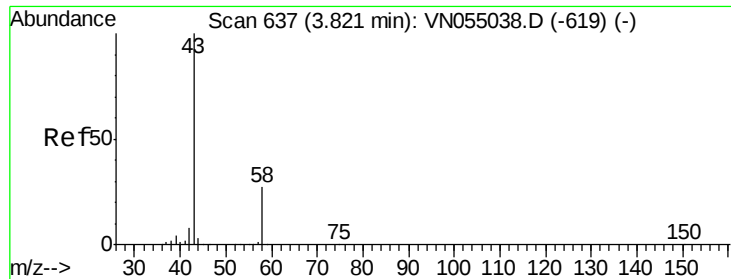
0

Time-->

4.50

4.60





#16

Acetone

Concen: 7.101 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

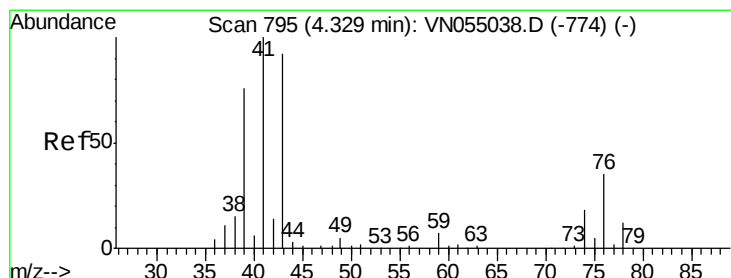
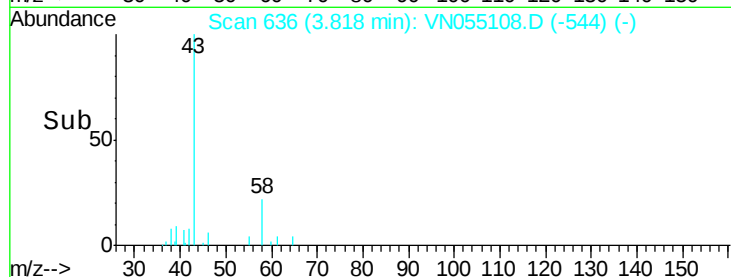
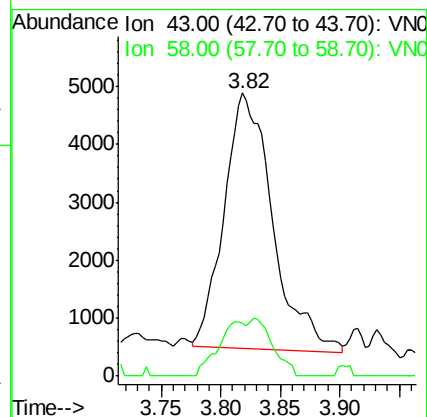
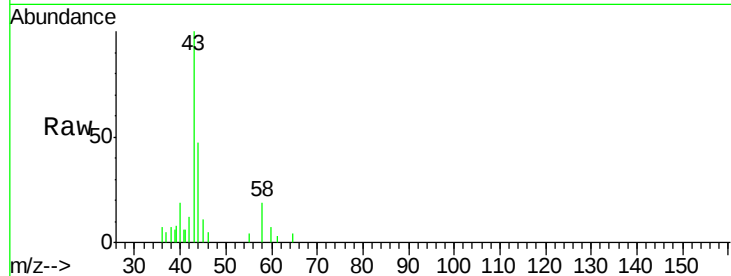
ClientSampled :

Tot Ion: 43 Resp: 12485

Ion Ratio Lower Upper

43 100

58 20.8 20.9 31.3#



#18

Methyl Acetate

Concen: 0.478 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055108.D

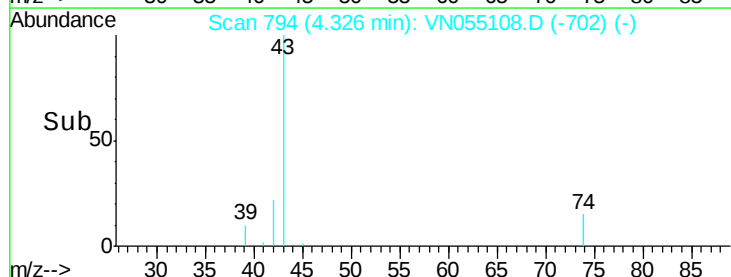
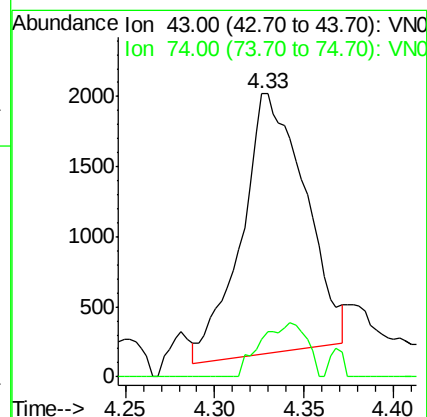
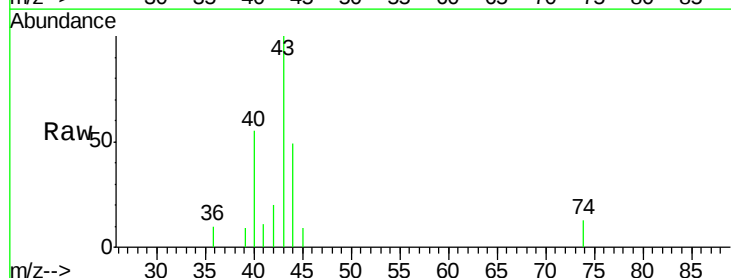
Acq: 17 Apr 2019 16:09

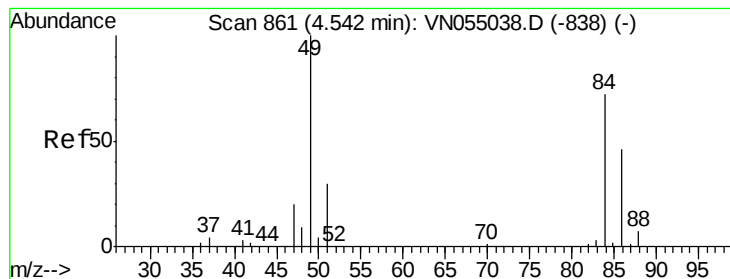
Tgt Ion: 43 Resp: 4617

Ion Ratio Lower Upper

43 100

74 15.2 16.1 24.1#





#20

Methylene Chloride

Concen: 107.987 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 667425

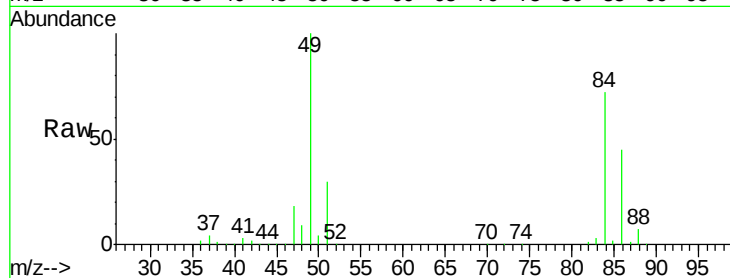
Ion Ratio Lower Upper

84 100

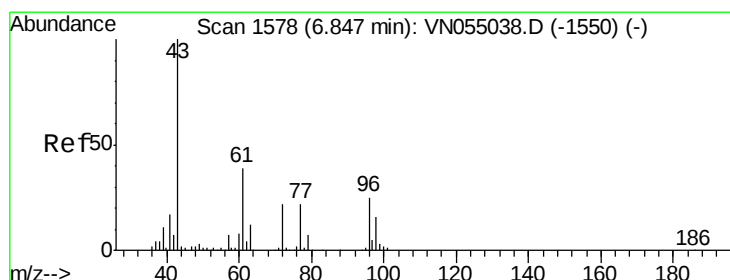
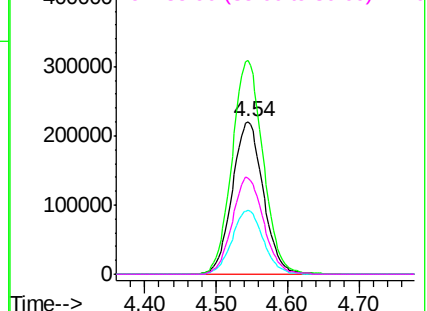
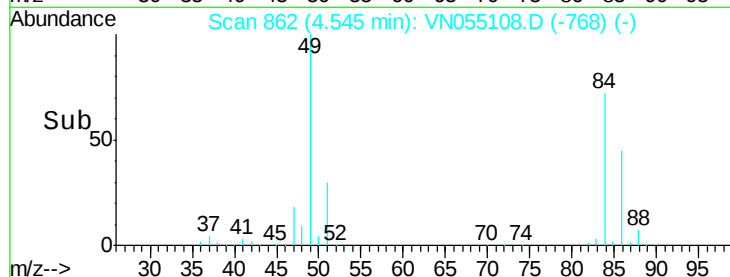
49 139.6 109.4 164.2

51 41.5 32.2 48.4

86 63.1 49.3 73.9



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



#25

2-Butanone

Concen: 0.273 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN055108.D

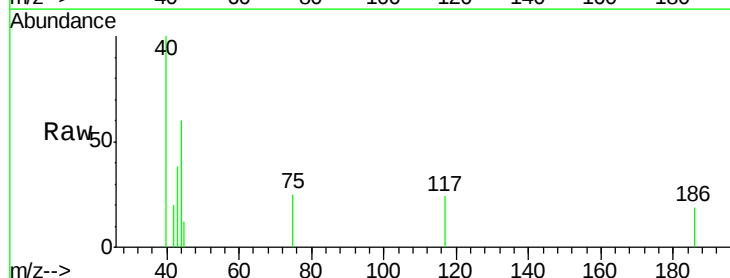
Acq: 17 Apr 2019 16:09

Tgt Ion: 43 Resp: 717

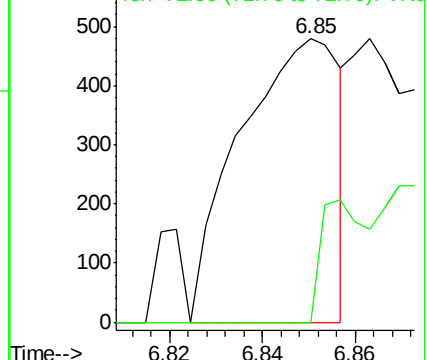
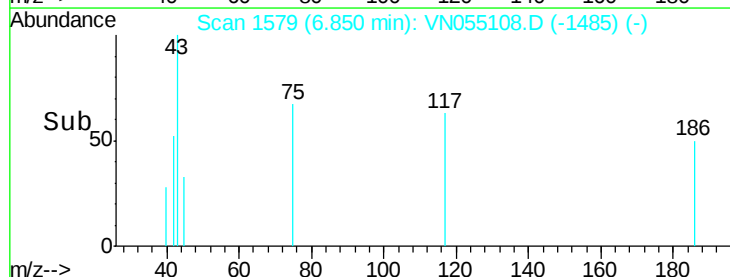
Ion Ratio Lower Upper

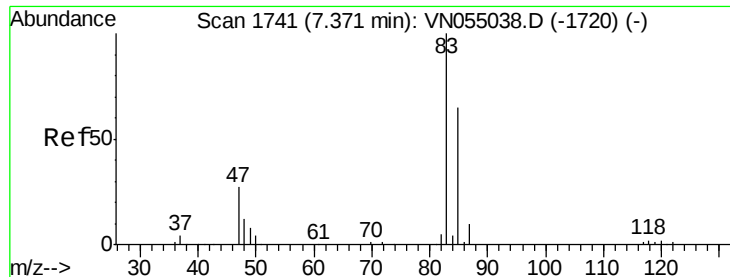
43 100

72 0.0 18.1 27.1#



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

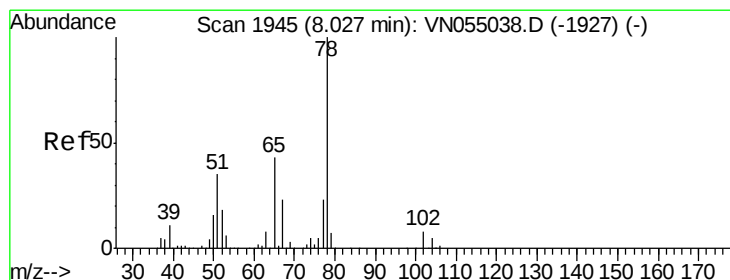
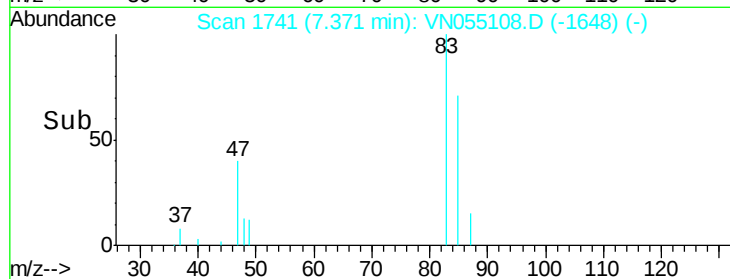
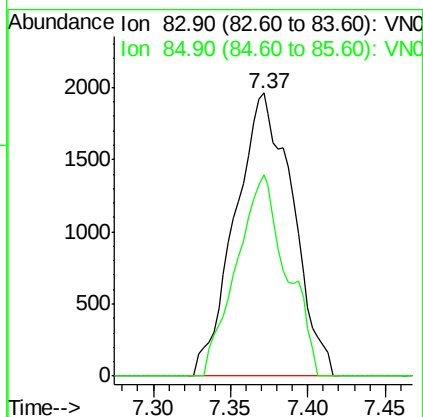
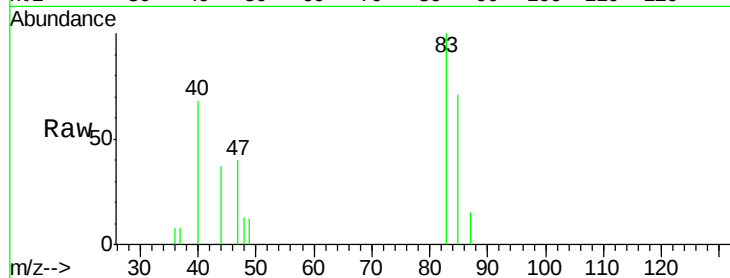




#30
 Chloroform
 Concen: 0.503 ug/l
 RT: 7.37 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VN055108.D
 Acq: 17 Apr 2019 16:09

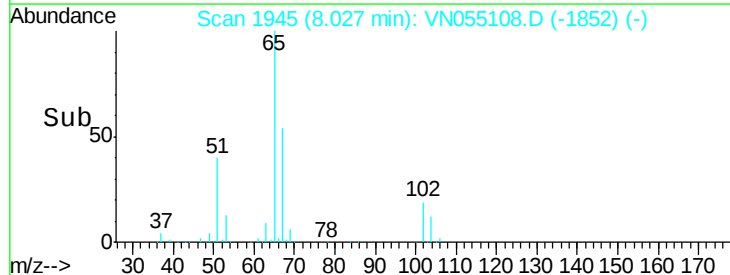
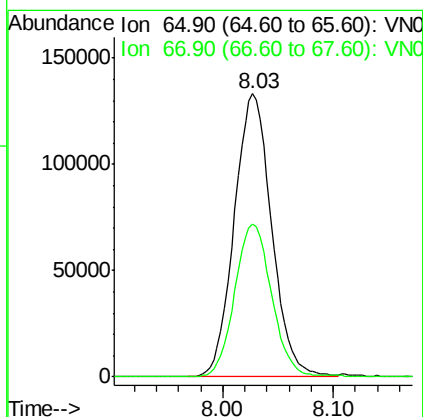
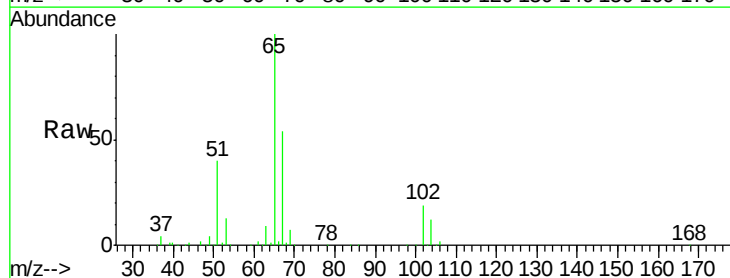
Instrument :
 MSVOA_N
 ClientSampleId :

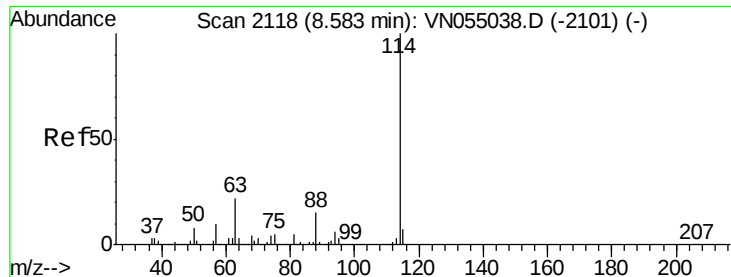
Tot Ion: 83 Resp: 5062
 Ion Ratio Lower Upper
 83 100
 85 71.3 51.8 77.6



#33
 1,2-Dichloroethane-d4
 Concen: 48.286 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055108.D
 Acq: 17 Apr 2019 16:09

Tgt Ion: 65 Resp: 312785
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.4

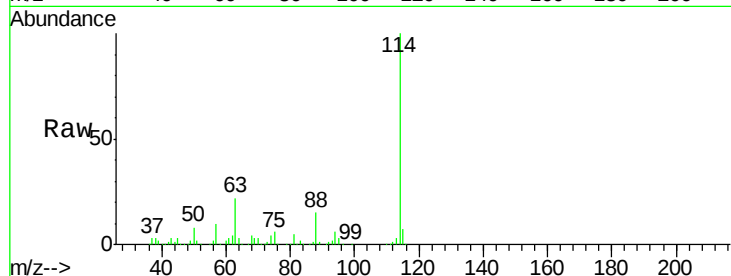




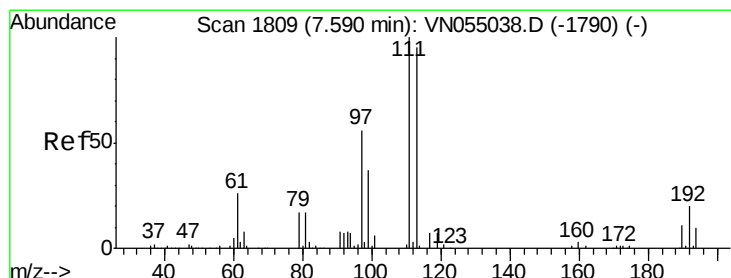
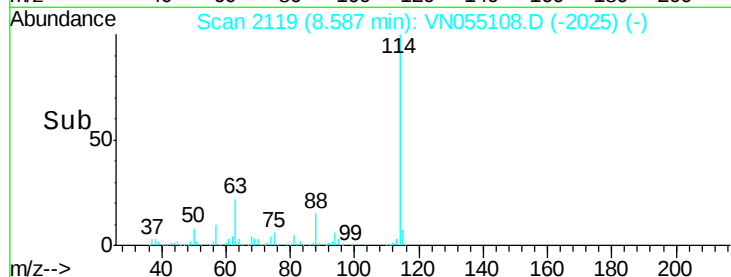
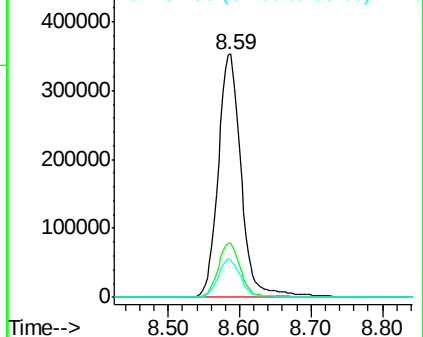
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	45.2
88	15.3	0.0	31.8

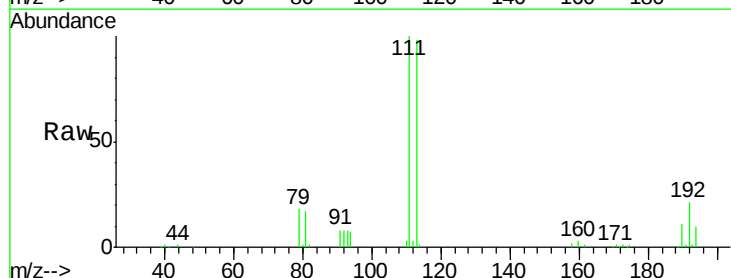


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

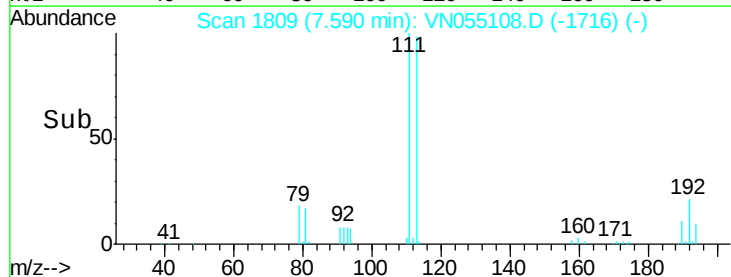
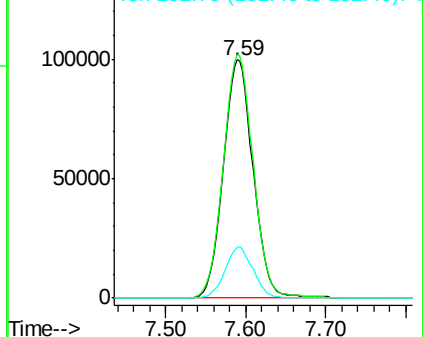


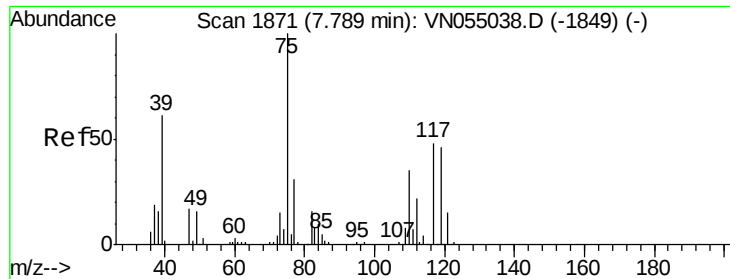
#35
Dibromofluoromethane
Concen: 47.998 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	20.3	16.5	24.7



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

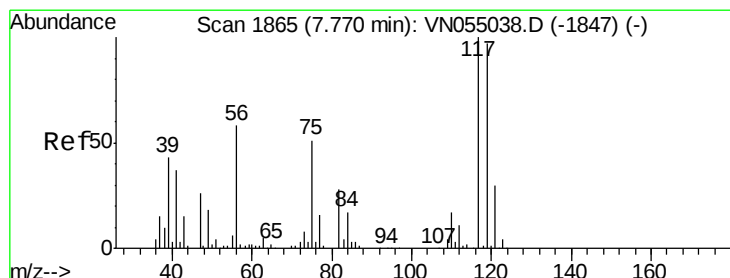
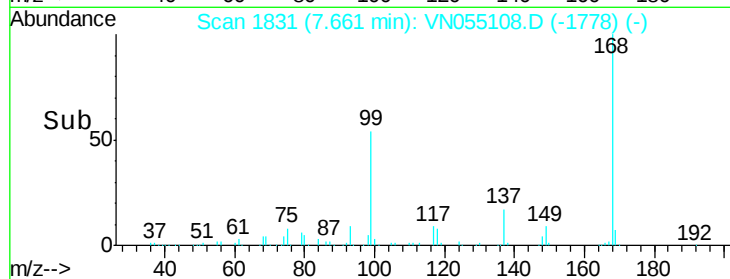
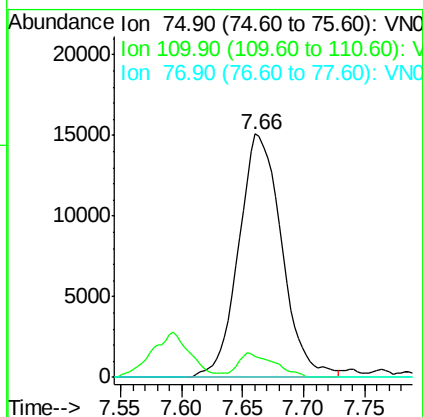
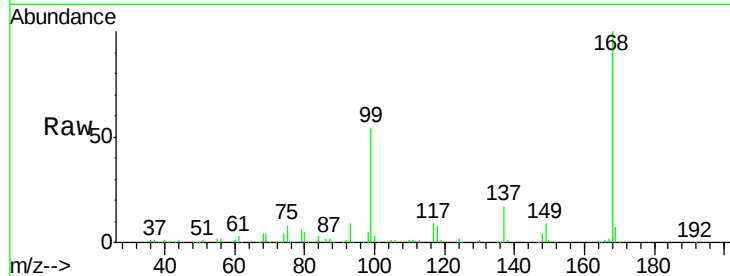




#36
 1,1-Dichloropropene
 Concen: 4.938 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055108.D
 Acq: 17 Apr 2019 16:09

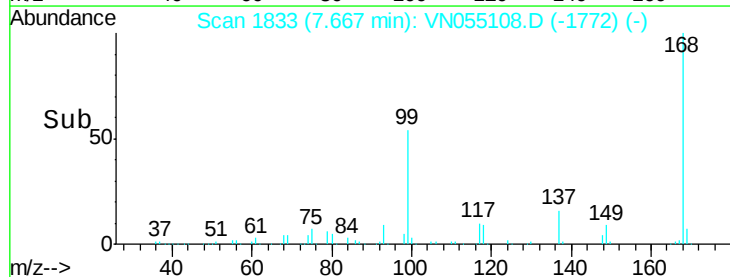
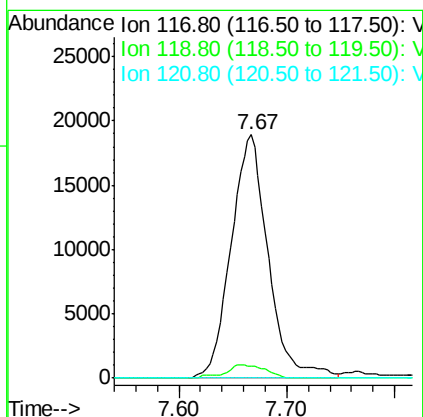
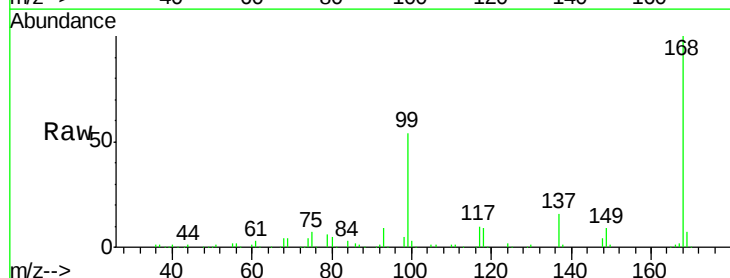
Instrument :
 MSVOA_N
 ClientSampleId :

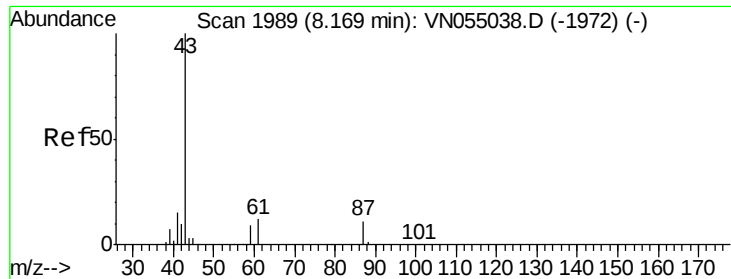
Tot Ion: 75 Resp: 36800
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.5 52.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.385 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN055108.D
 Acq: 17 Apr 2019 16:09

Tgt Ion: 117 Resp: 45268
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.3 114.5#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 1.441 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

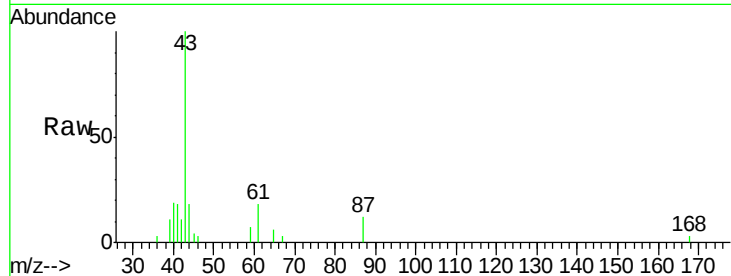
Tot Ion: 43 Resp: 13470

Ion Ratio Lower Upper

43 100

61 11.3 14.3 21.5#

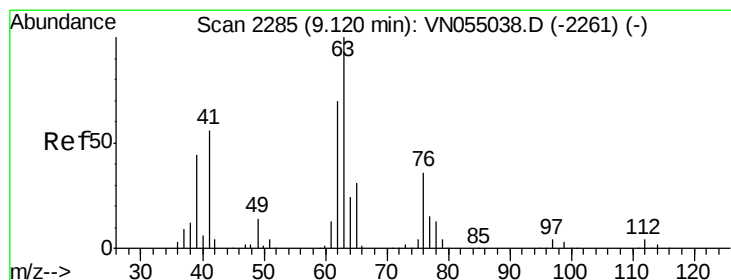
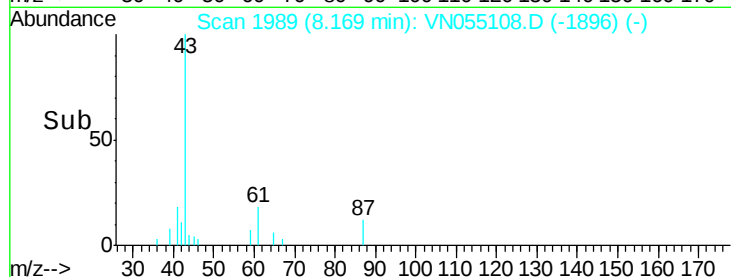
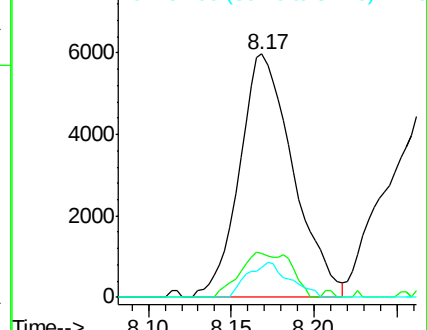
87 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.228 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.15 min

Lab File: VN055108.D

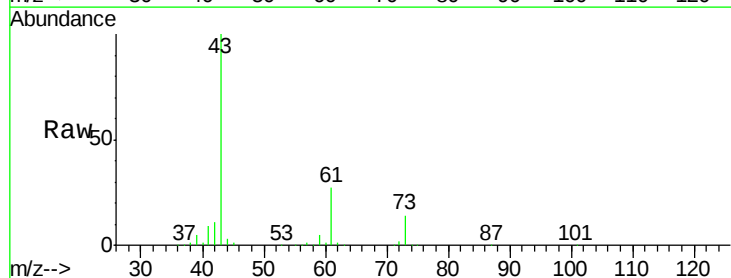
Acq: 17 Apr 2019 16:09

Tgt Ion: 63 Resp: 1428

Ion Ratio Lower Upper

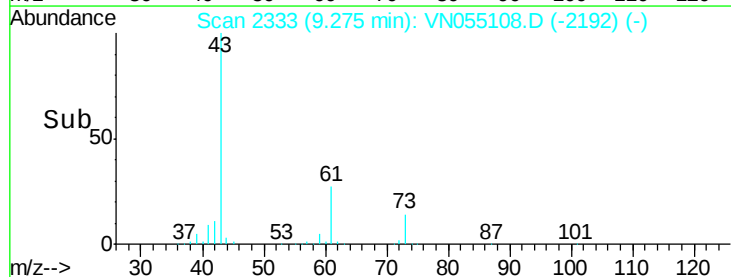
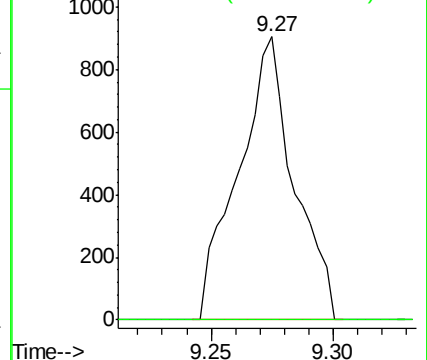
63 100

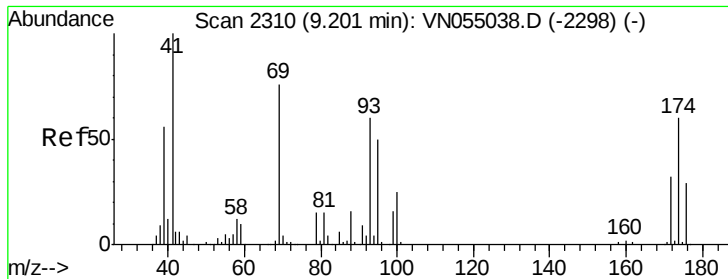
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#48

Methvl methacrylate

Concen: 1.481 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

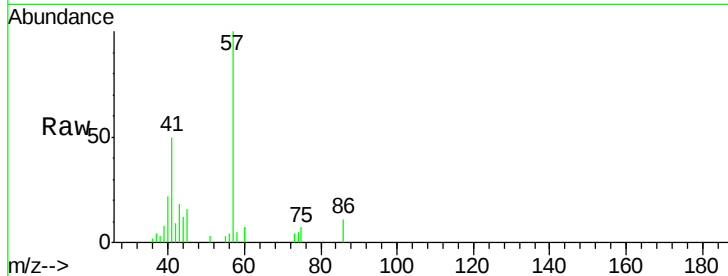
Tot Ion: 41 Resp: 6862

Ion Ratio Lower Upper

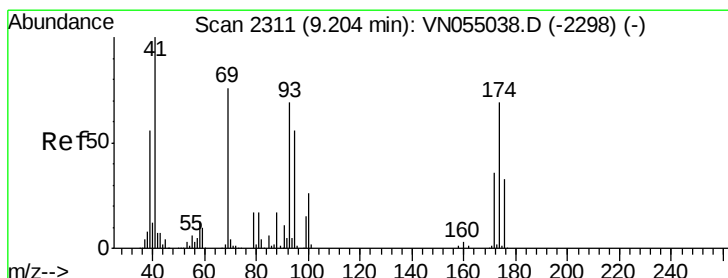
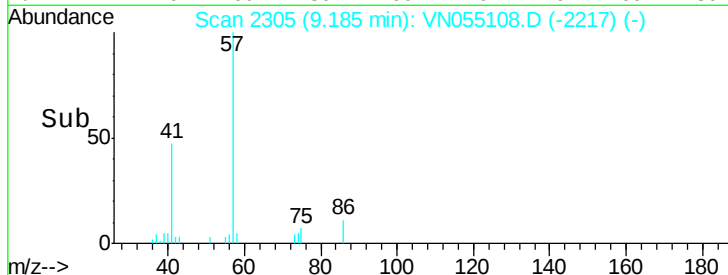
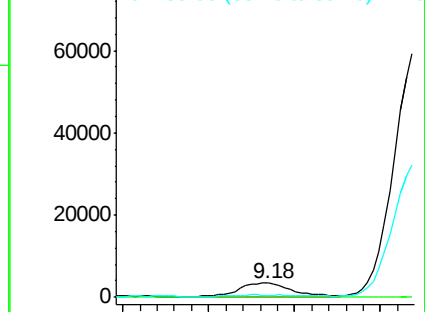
41 100

69 0.0 60.5 90.7#

39 0.0 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC



#49

1,4-Dioxane

Concen: 3.478 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

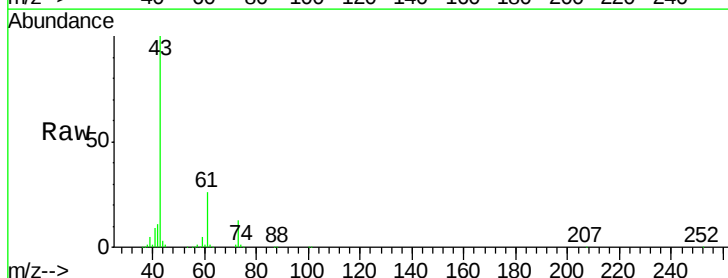
Tgt Ion: 88 Resp: 151

Ion Ratio Lower Upper

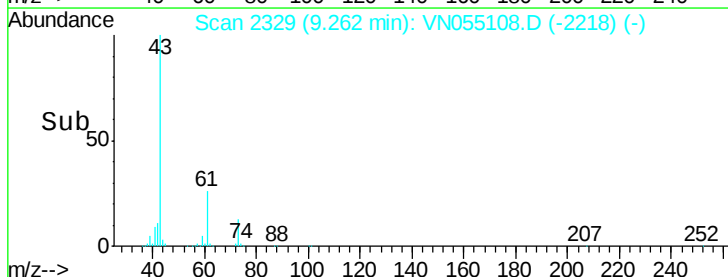
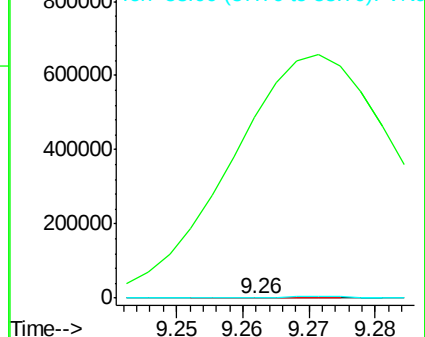
88 100

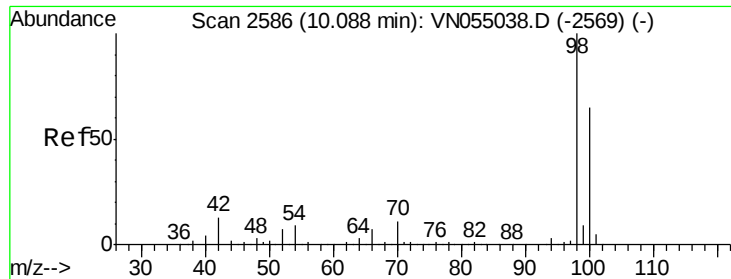
43 834501.3 31.8 47.8#

58 4078.8 61.6 92.4#



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





#50

Toluene-d8

Concen: 50.082 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

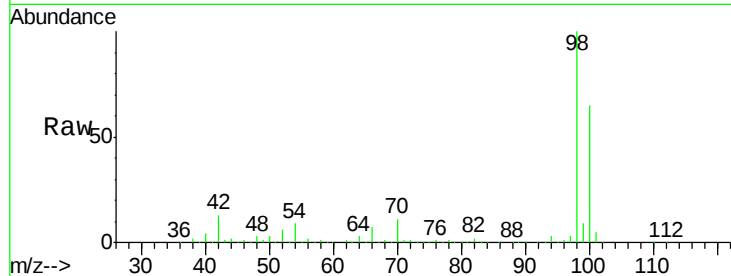
ClientSampleId :

Tot Ion: 98 Resp: 947005

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055108.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055108.D (-2569) (-)

10.09

500000

400000

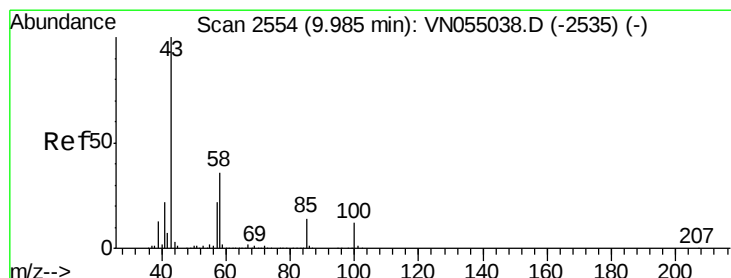
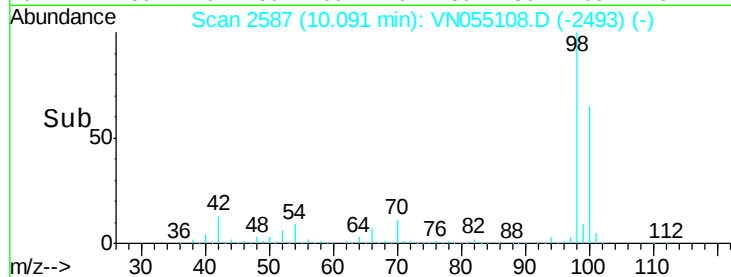
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.303 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN055108.D

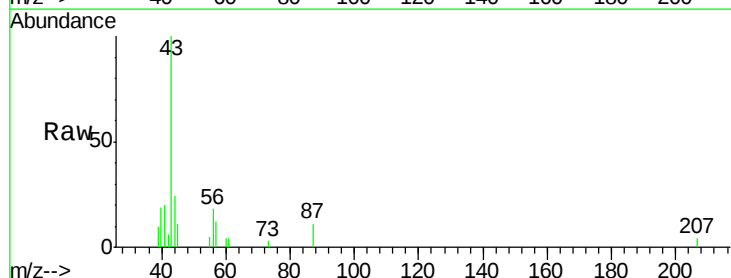
Acq: 17 Apr 2019 16:09

Tgt Ion: 43 Resp: 7037

Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.4#



Abundance Ion 43.00 (42.70 to 43.70): VN055108.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN055108.D (-2461) (-)

10.02

6000

5000

4000

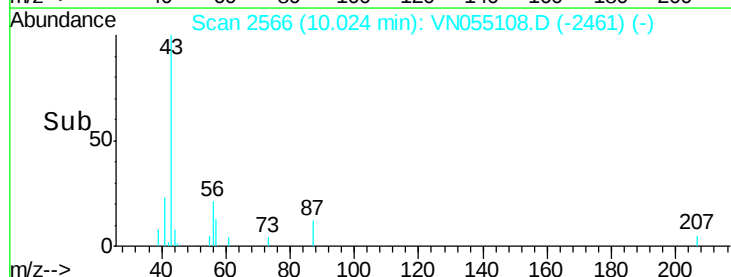
3000

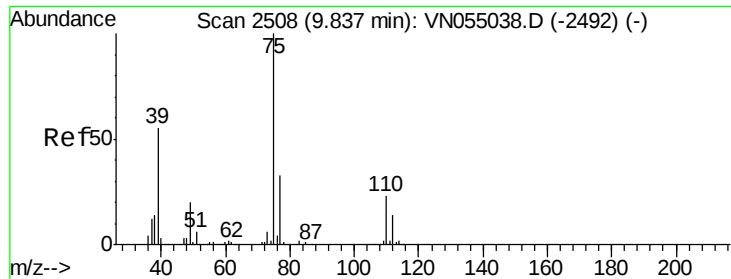
2000

1000

0

Time-->



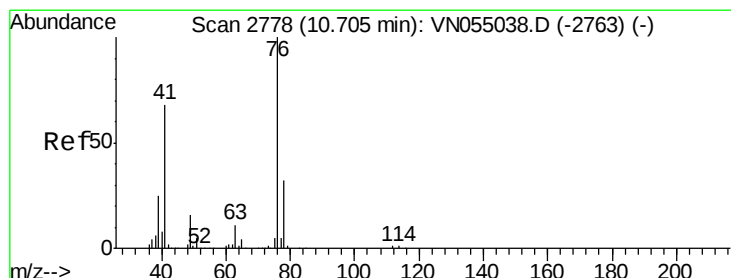
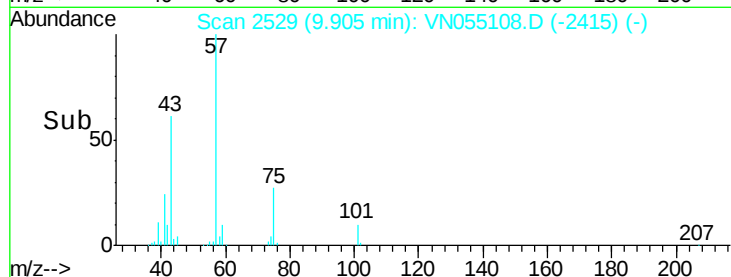
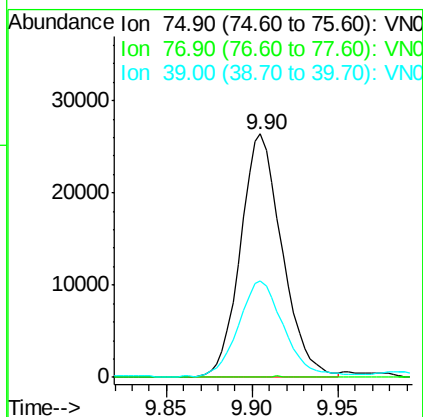
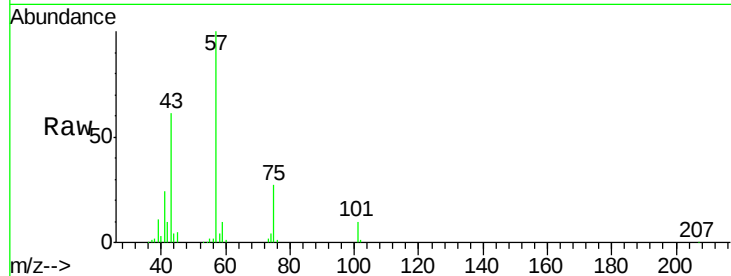


#54

cis-1,3-Dichloropropene
 Concen: 5.559 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN055108.D
 Acq: 17 Apr 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :

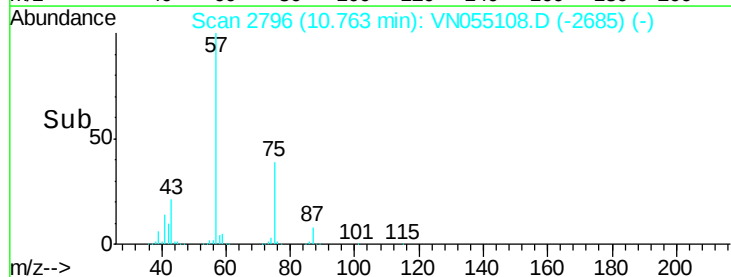
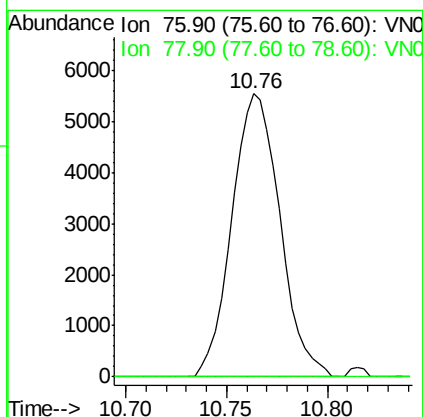
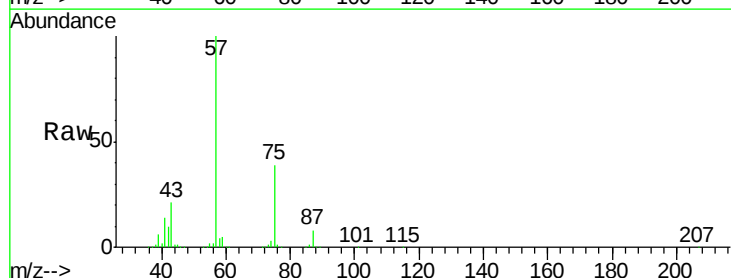
Tot Ion: 75 Resp: 44323
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#
 39 39.1 43.8 65.8#

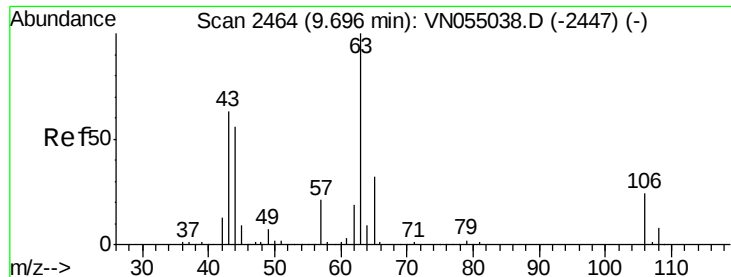


#57

1,3-Dichloropropane
 Concen: 1.095 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055108.D
 Acq: 17 Apr 2019 16:09

Tgt Ion: 76 Resp: 9240
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#





#58

2-Chloroethyl Vinyl ether

Concen: 10.748 ug/l

RT: 9.72 min Scan# 2470

Delta R.T. 0.02 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

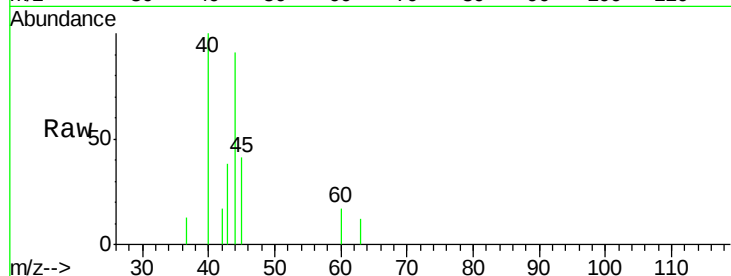
ClientSampleId :

Tot Ion: 63 Resp: 29

Ion Ratio Lower Upper

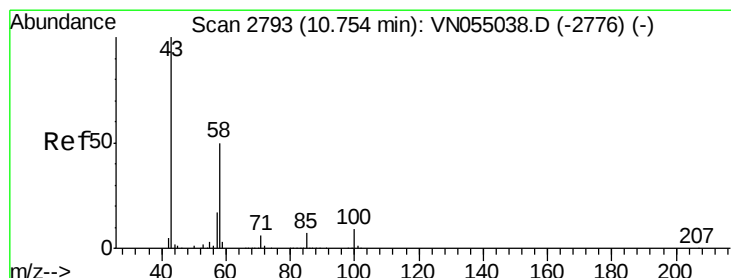
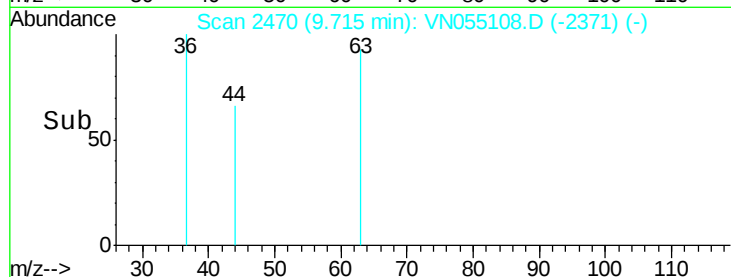
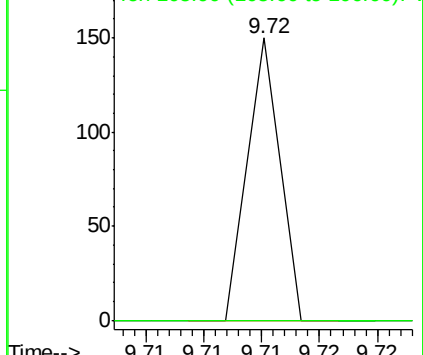
63 100

106 0.0 20.0 30.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 43.575 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055108.D

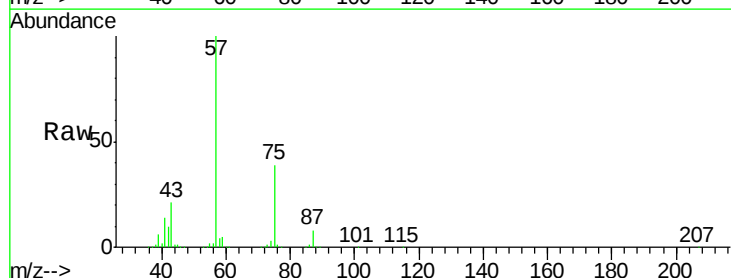
Acq: 17 Apr 2019 16:09

Tgt Ion: 43 Resp: 147817

Ion Ratio Lower Upper

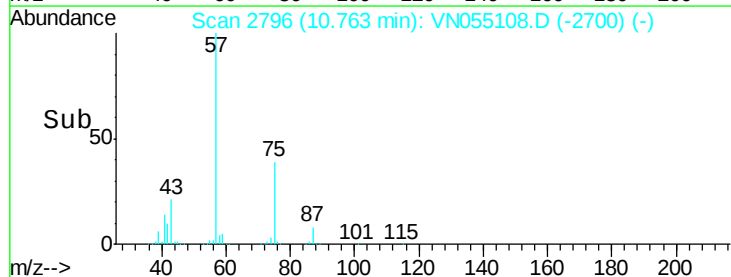
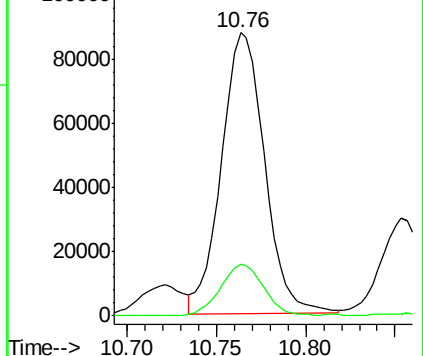
43 100

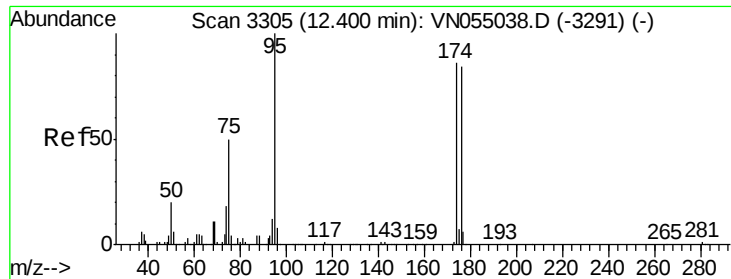
58 18.5 25.1 75.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.384 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

ClientSampled :

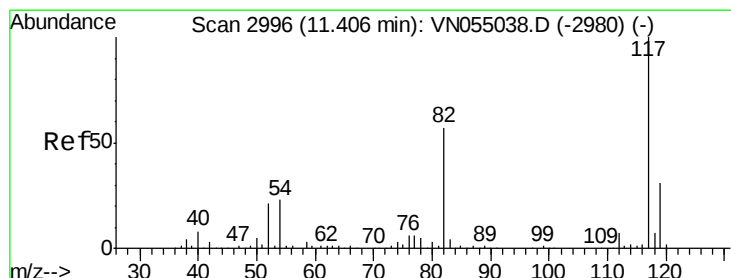
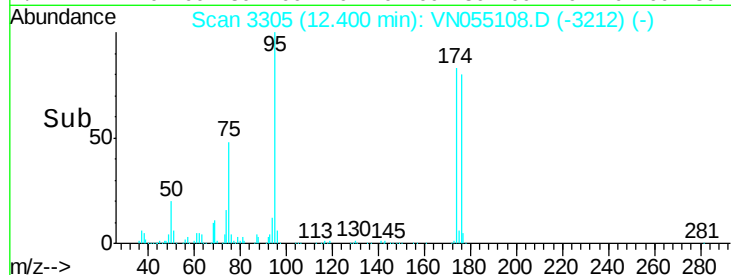
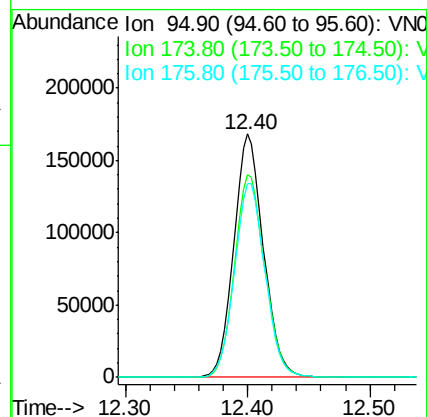
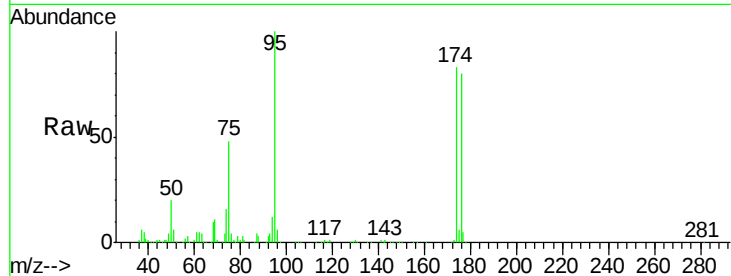
Tot Ion: 95 Resp: 285137

Ion Ratio Lower Upper

95 100

174 85.0 0.0 174.4

176 82.0 0.0 166.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

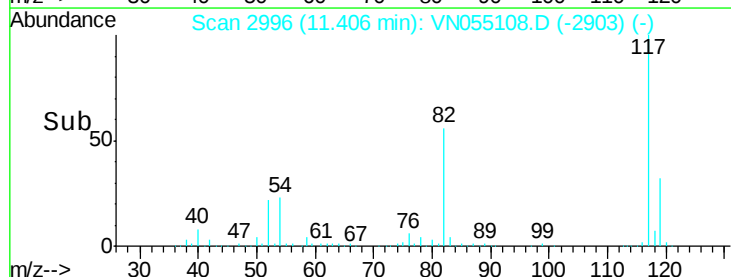
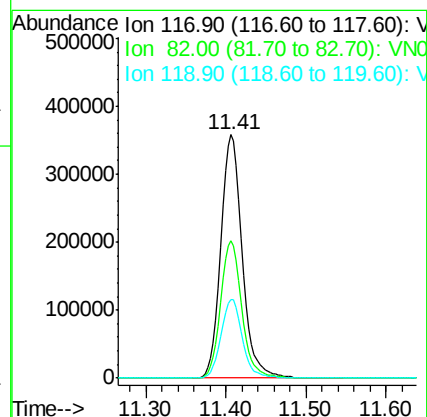
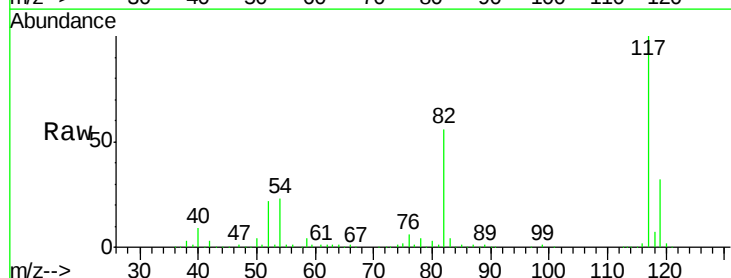
Tgt Ion: 117 Resp: 666534

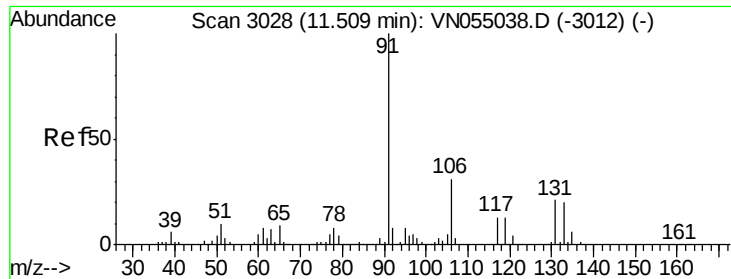
Ion Ratio Lower Upper

117 100

82 56.3 44.6 66.8

119 32.5 25.5 38.3

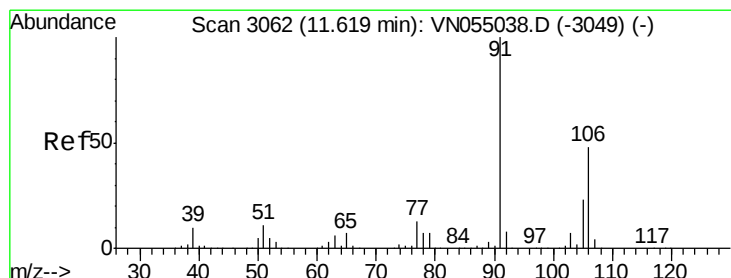
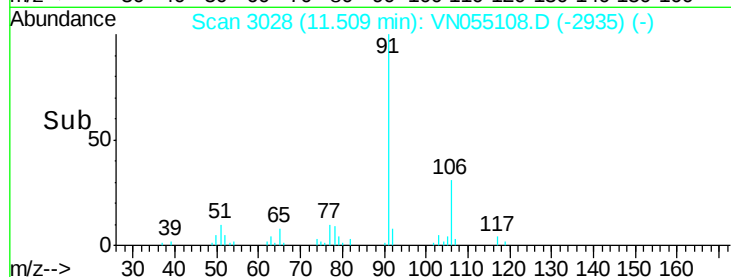
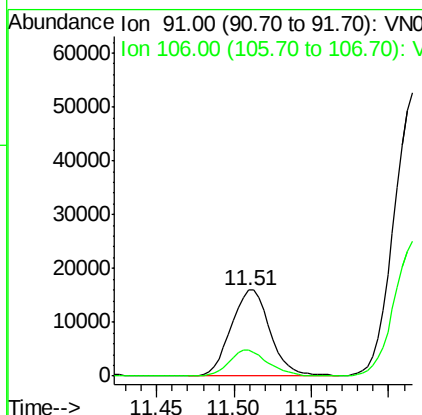
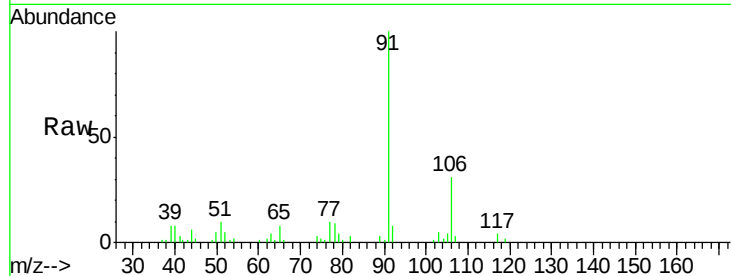




#67
Ethyl Benzene
Concen: 1.176 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

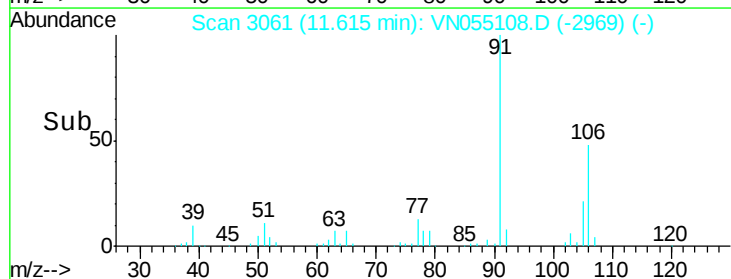
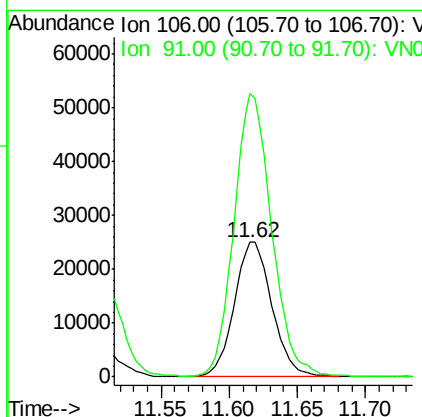
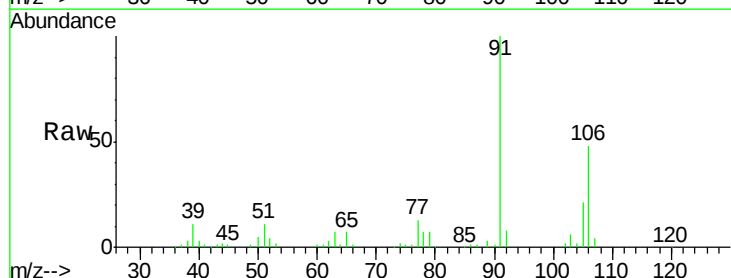
Instrument :
MSVOA_N
ClientSampled :

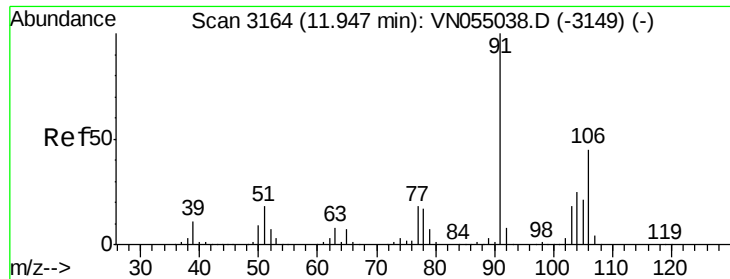
Tot Ion: 91 Resp: 28167
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5



#68
m/p-Xylenes
Concen: 5.525 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion: 106 Resp: 47938
Ion Ratio Lower Upper
106 100
91 210.8 165.9 248.9

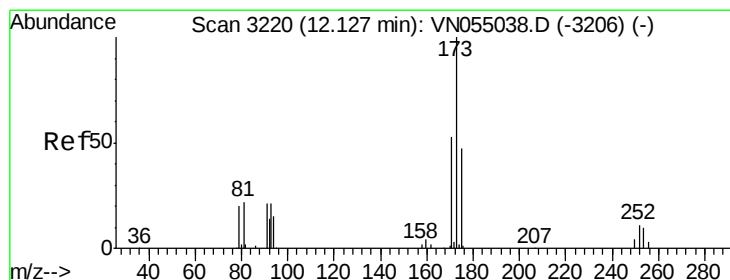
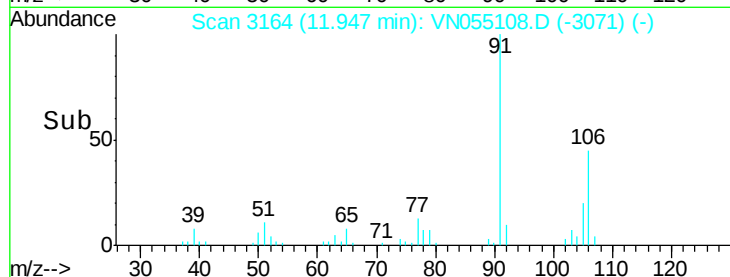
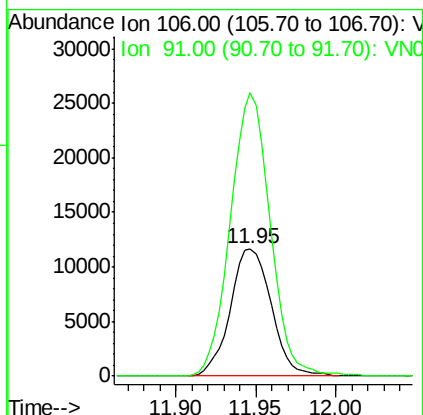
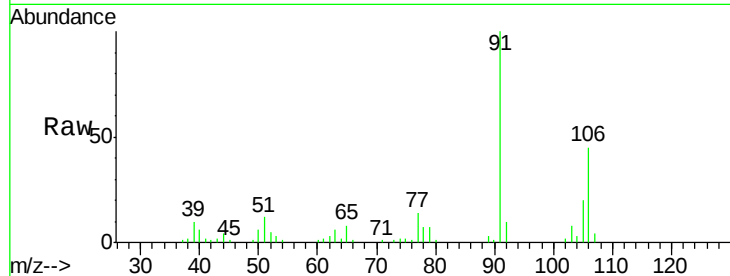




#69
o-Xylene
Concen: 2.424 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

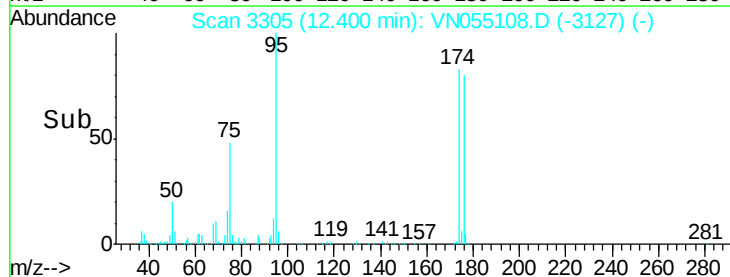
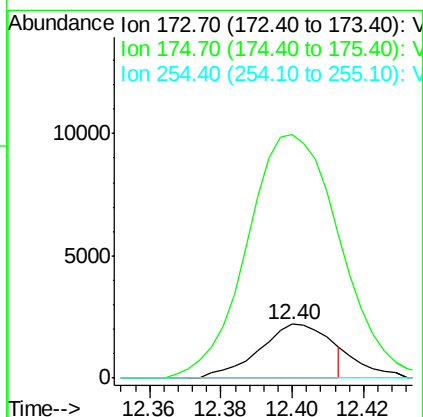
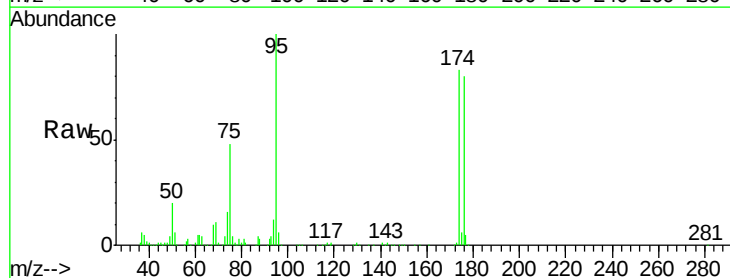
Instrument :
MSVOA_N
ClientSampled :

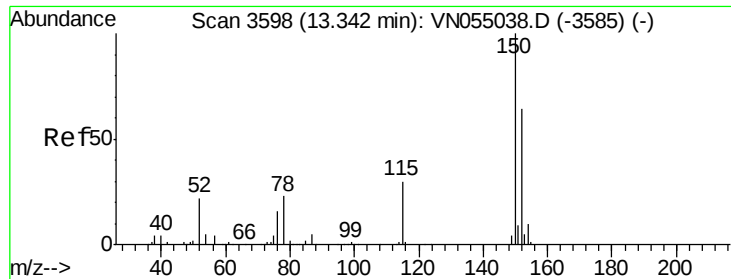
Tot Ion:106 Resp: 20372
Ion Ratio Lower Upper
106 100
91 216.0 109.9 329.8



#71
Bromoform
Concen: 1.062 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion:173 Resp: 3004
Ion Ratio Lower Upper
173 100
175 525.3 24.3 73.0#
254 0.0 0.1 0.1#



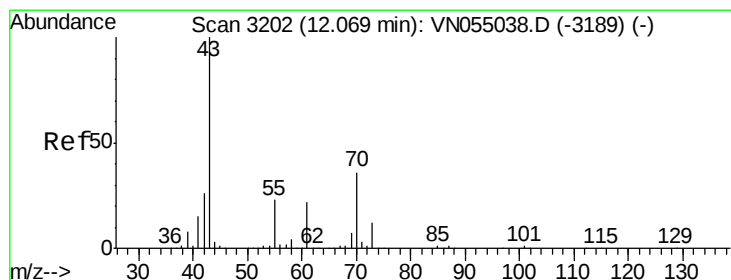
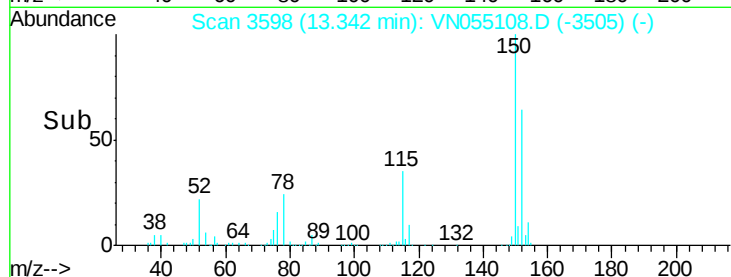
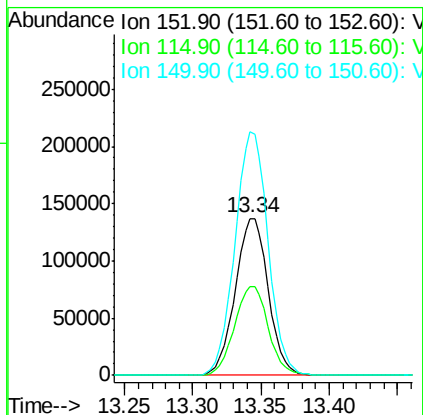
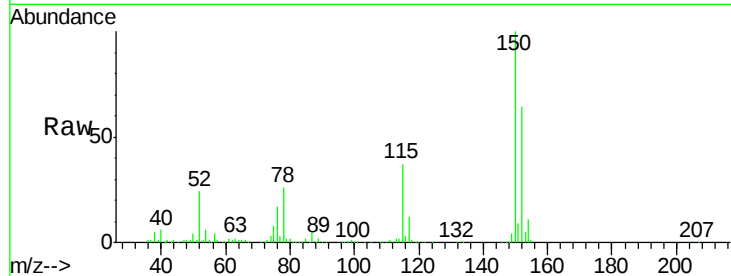


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :

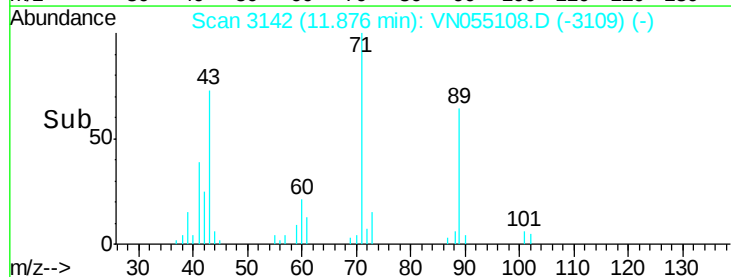
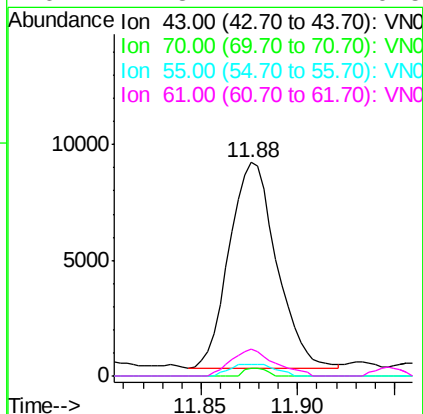
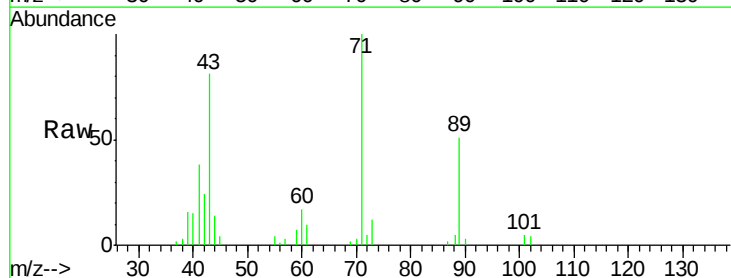
Tot Ion:152 Resp: 229649
Ion Ratio Lower Upper
152 100
115 58.3 28.5 85.6
150 155.6 0.0 347.2

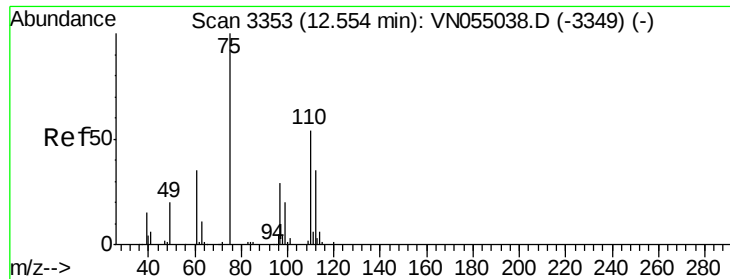


#74

N-ethyl acetate
Concen: 2.648 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion: 43 Resp: 15192
Ion Ratio Lower Upper
43 100
70 1.7 29.4 44.0#
55 5.5 19.0 28.4#
61 11.8 17.7 26.5#





#76

1,2,3-Trichloropropane

Concen: 34.207 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

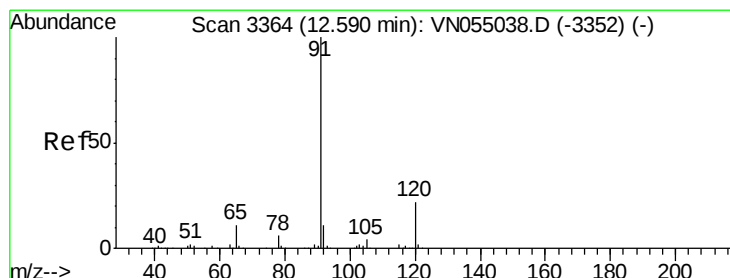
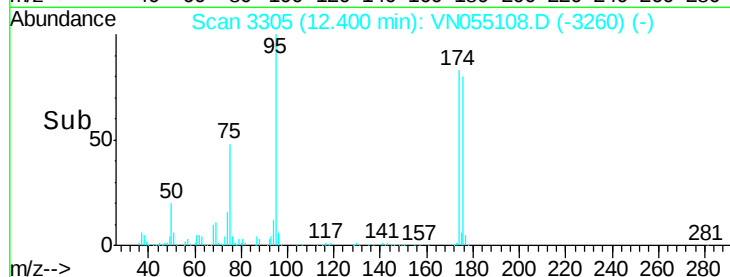
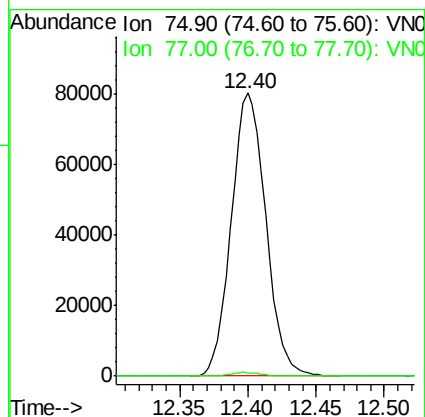
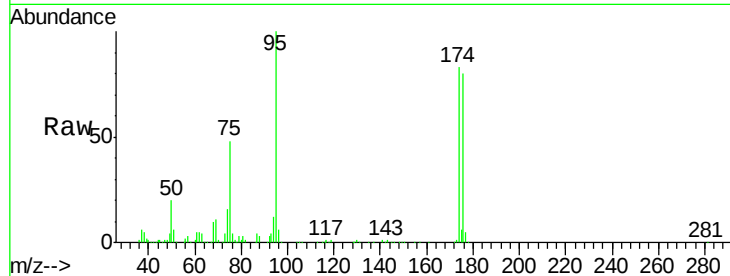
ClientSampled :

Tot Ion: 75 Resp: 141261

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#78

n-propylbenzene

Concen: 0.477 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055108.D

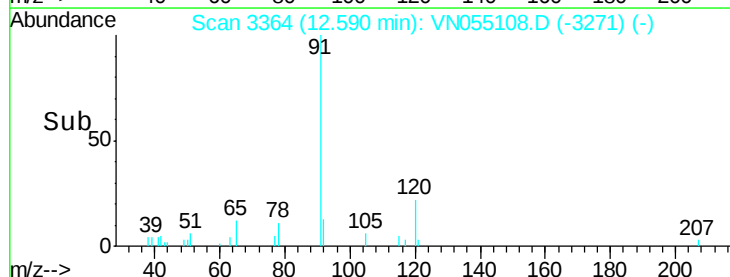
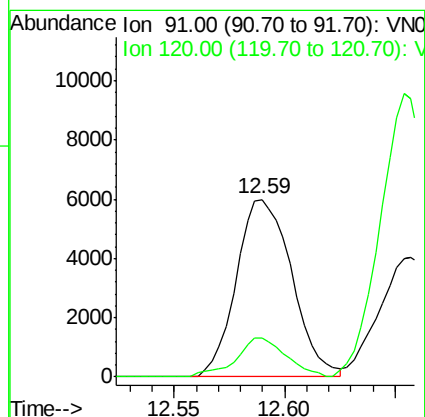
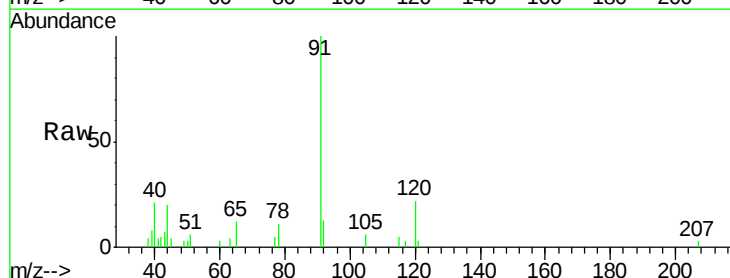
Acq: 17 Apr 2019 16:09

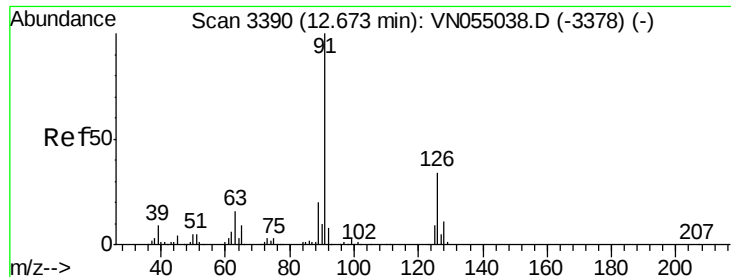
Tgt Ion: 91 Resp: 10500

Ion Ratio Lower Upper

91 100

120 19.8 11.2 33.5





#79

2-Chlorotoluene

Concen: 0.747 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

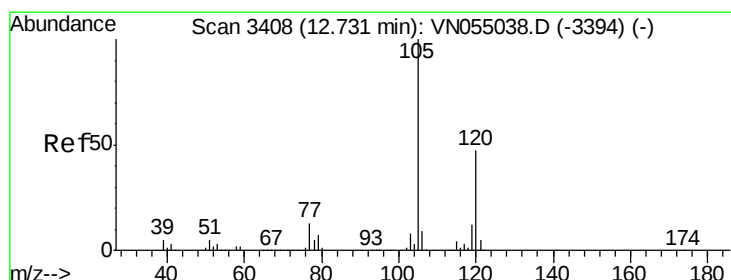
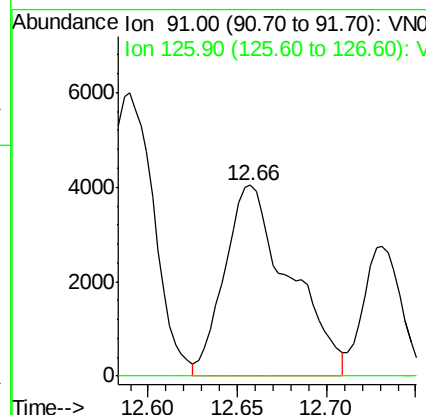
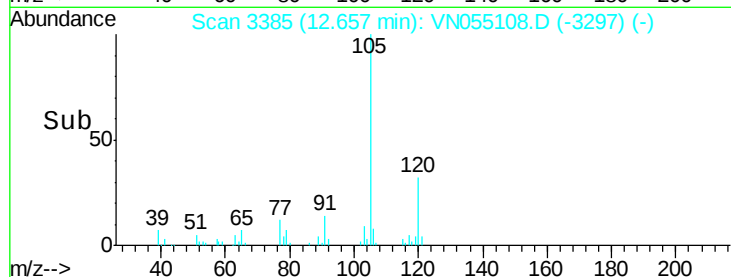
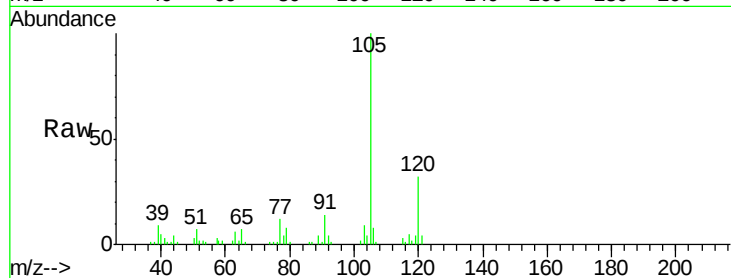
ClientSampled :

Tot Ion: 91 Resp: 10255

Ion Ratio Lower Upper

91 100

126 0.0 17.1 51.2#



#80

1,3,5-Trimethylbenzene

Concen: 2.412 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055108.D

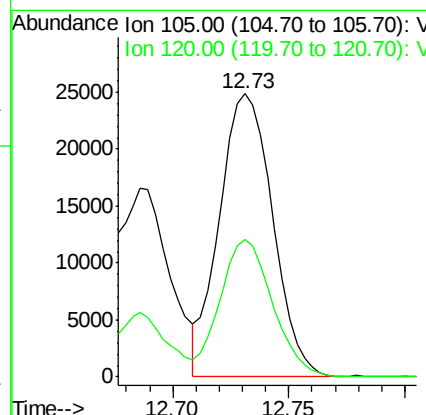
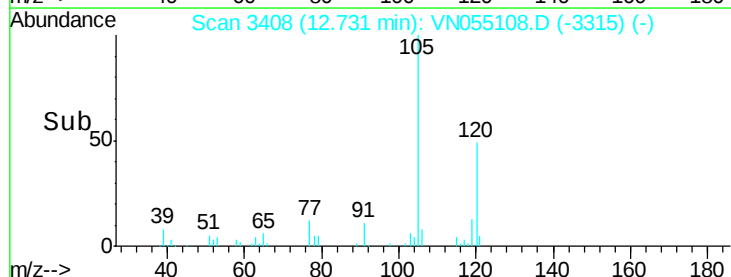
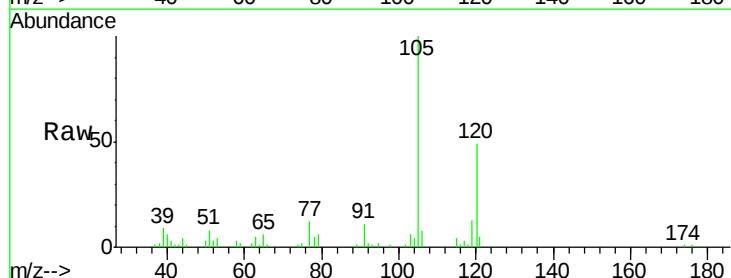
Acq: 17 Apr 2019 16:09

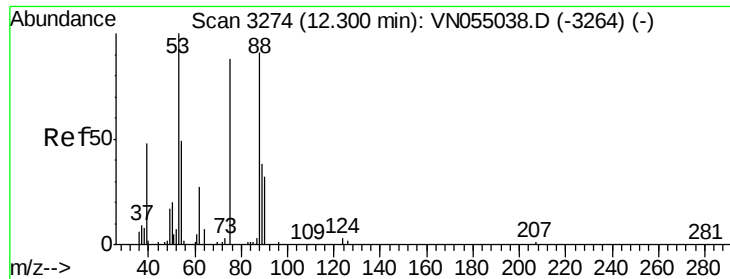
Tgt Ion:105 Resp: 39672

Ion Ratio Lower Upper

105 100

120 47.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 136.787 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

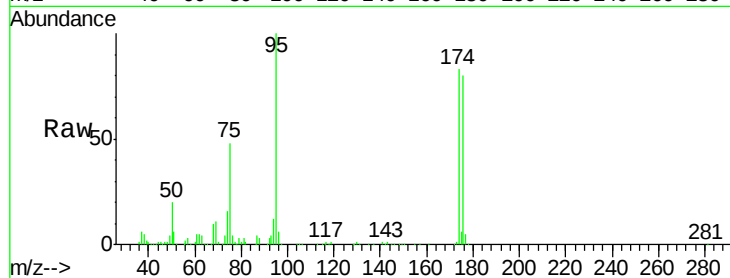
Tot Ion: 75 Resp: 141261

Ion Ratio Lower Upper

75 100

53 0.1 96.3 144.5#

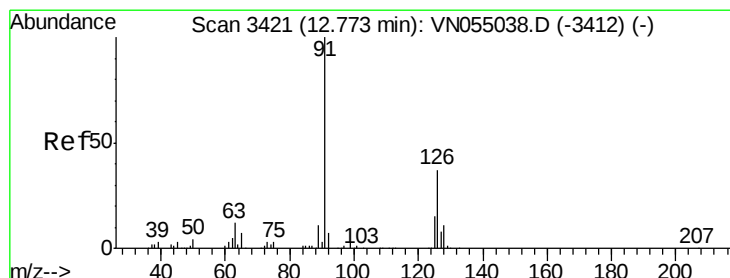
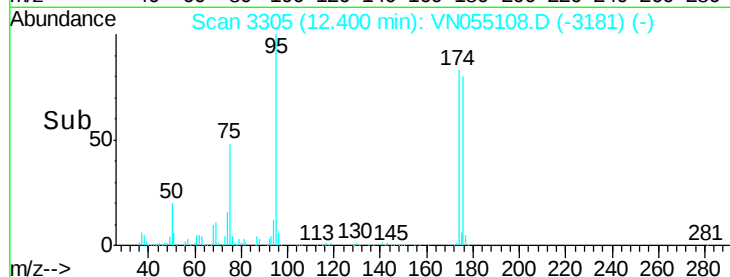
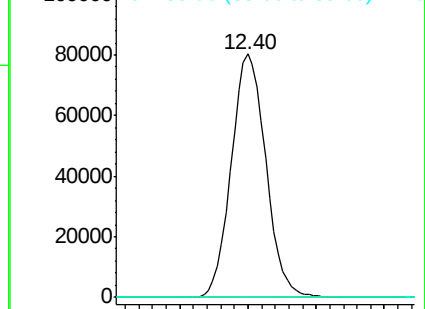
89 0.0 38.6 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.321 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN055108.D

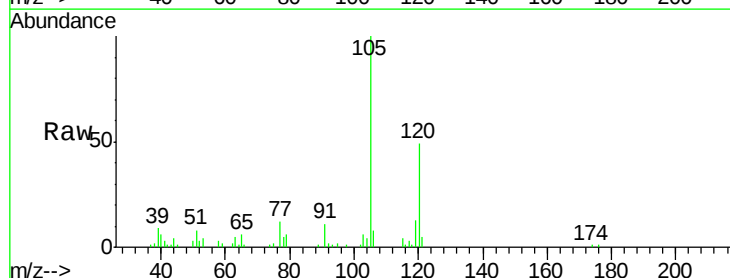
Acq: 17 Apr 2019 16:09

Tgt Ion: 91 Resp: 4109

Ion Ratio Lower Upper

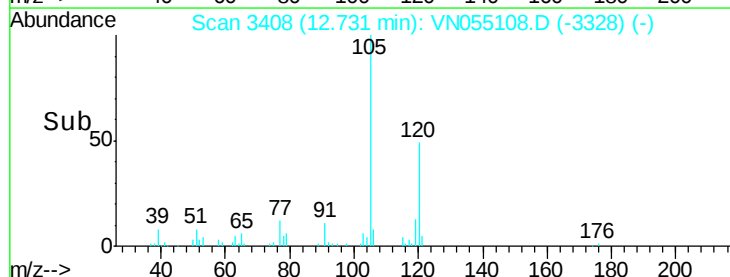
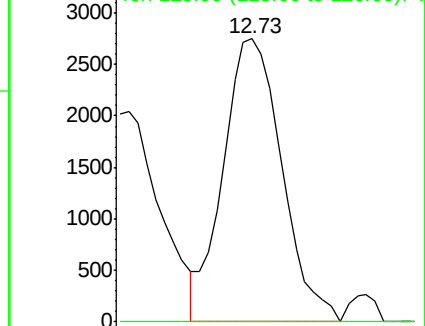
91 100

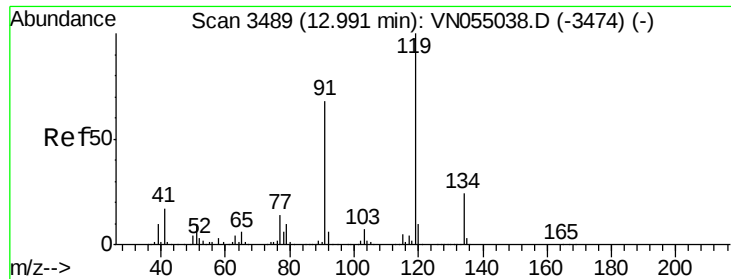
126 0.0 16.4 49.2#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

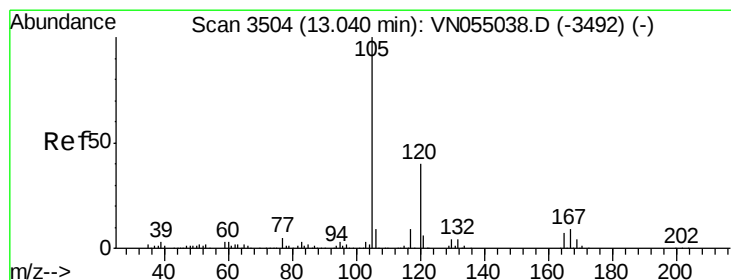
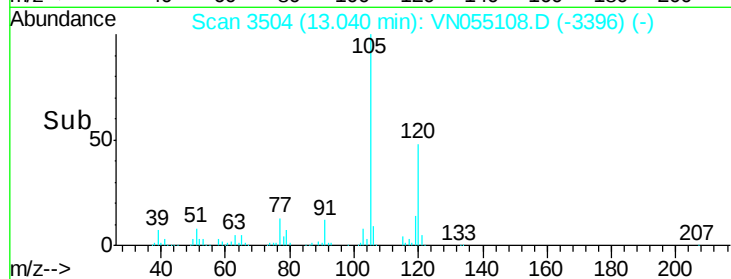
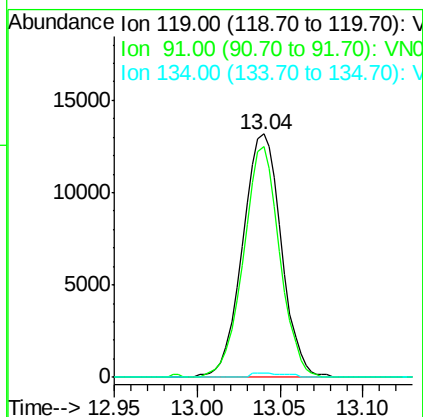
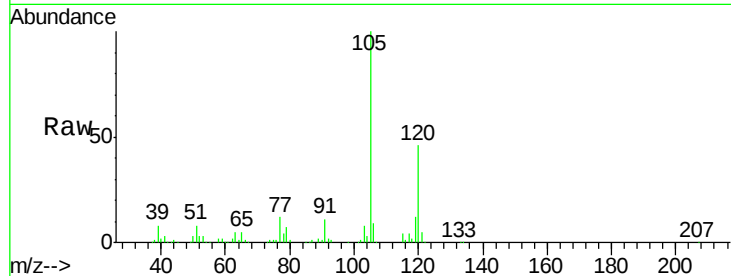




#83
 tert-Butylbenzene
 Concen: 1.539 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN055108.D
 Acq: 17 Apr 2019 16:09

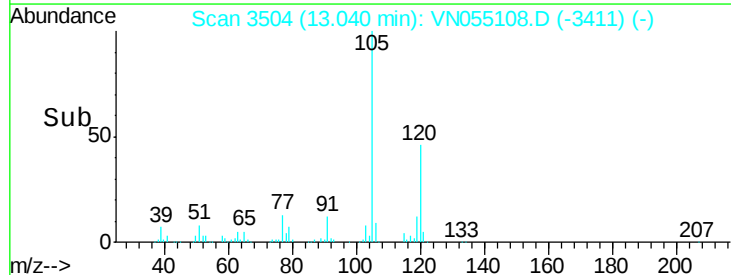
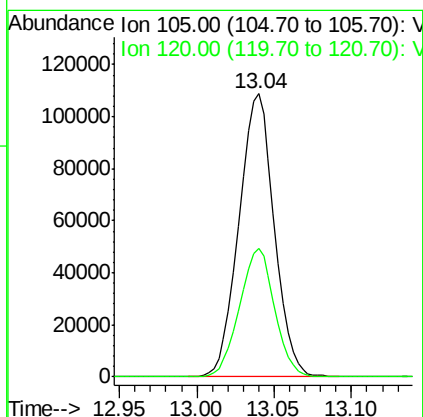
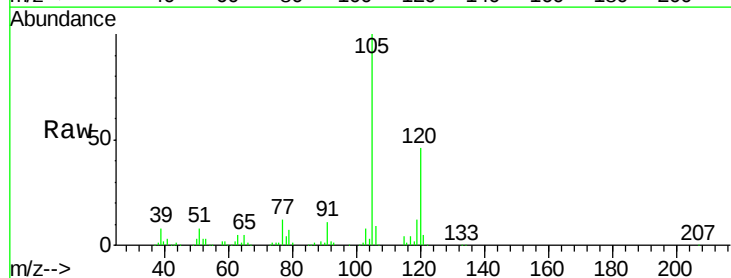
Instrument :
 MSVOA_N
 ClientSampleId :

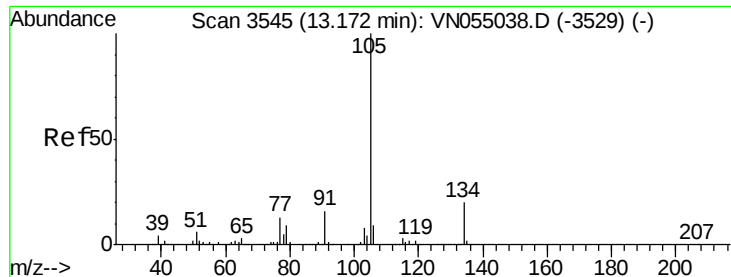
Tot Ion:119 Resp: 21375
 Ion Ratio Lower Upper
 119 100
 91 88.7 33.3 99.8
 134 1.6 12.3 36.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 11.083 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055108.D
 Acq: 17 Apr 2019 16:09

Tgt Ion:105 Resp: 172722
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 9.760 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

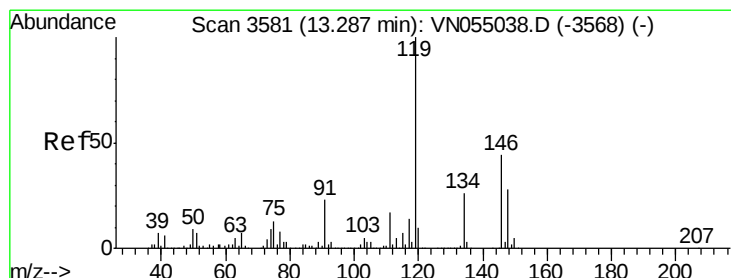
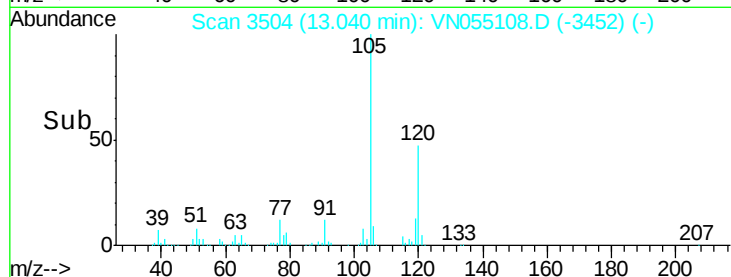
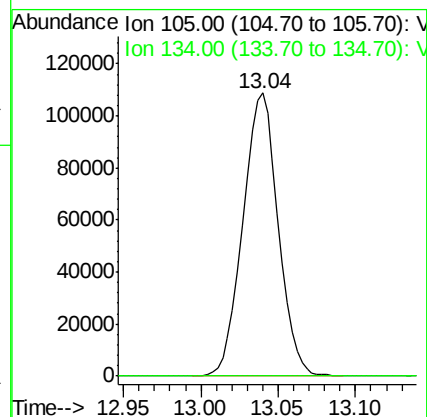
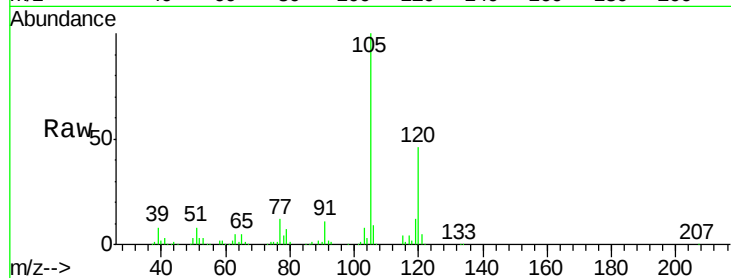
ClientSampleId :

Tot Ion:105 Resp: 172722

Ion Ratio Lower Upper

105 100

134 0.2 9.8 29.3#



#86

p-Isopropyltoluene

Concen: 0.265 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

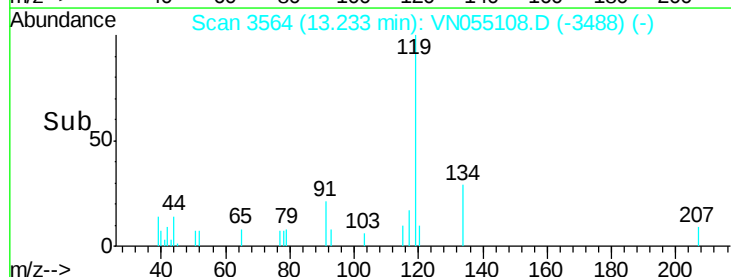
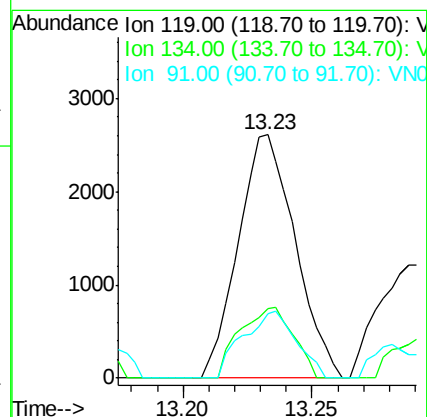
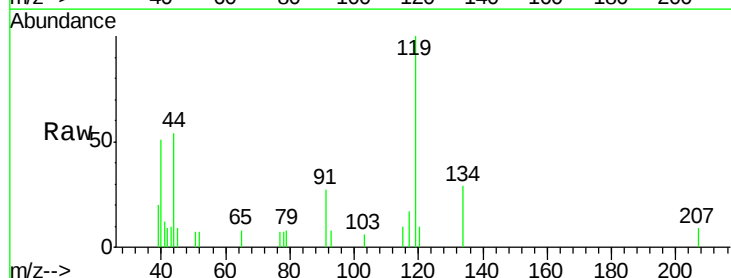
Tgt Ion:119 Resp: 4020

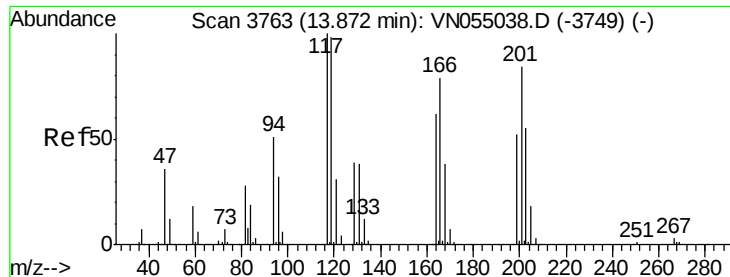
Ion Ratio Lower Upper

119 100

134 27.5 13.2 39.5

91 25.9 11.7 35.1





#90

Hexachloroethane

Concen: 0.516 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

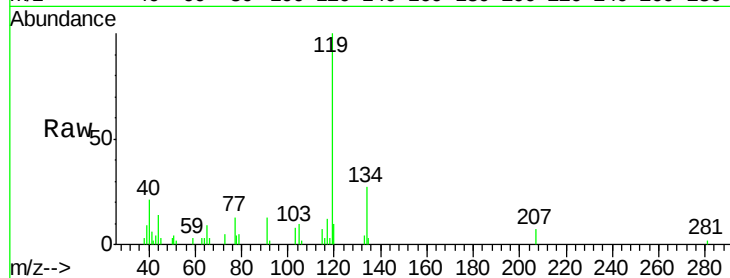
ClientSampled :

Tot Ion:117 Resp: 1274

Ion Ratio Lower Upper

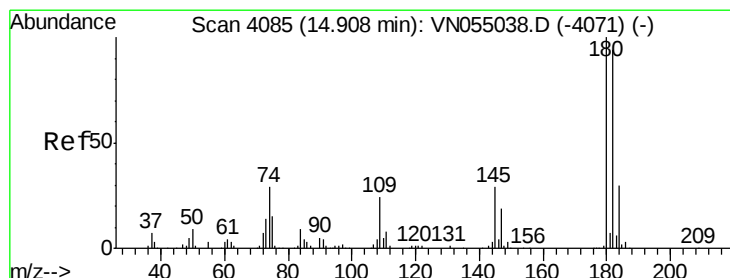
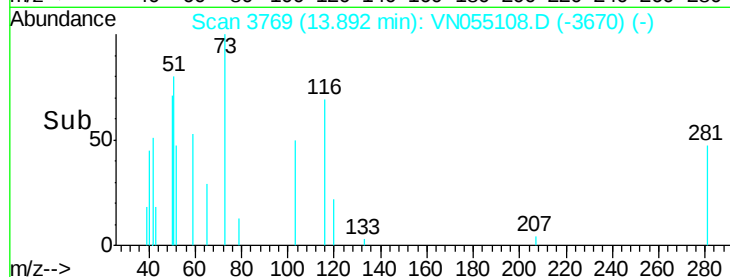
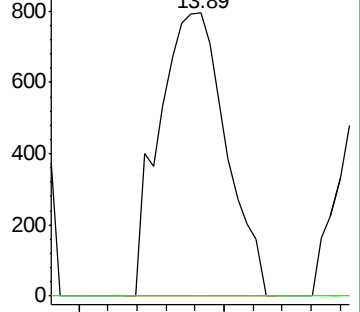
117 100

201 0.0 43.4 130.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 2.694 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

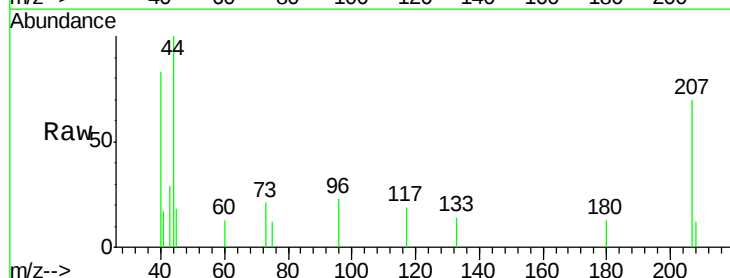
Tgt Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 46.0 47.5 142.6#

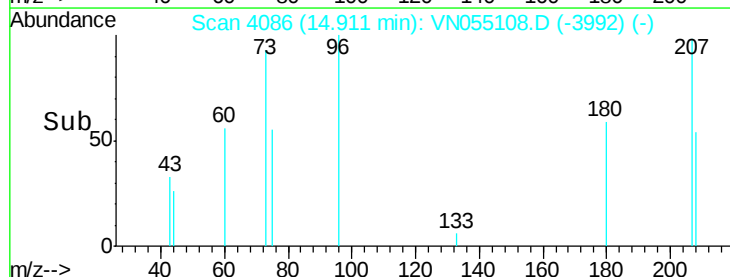
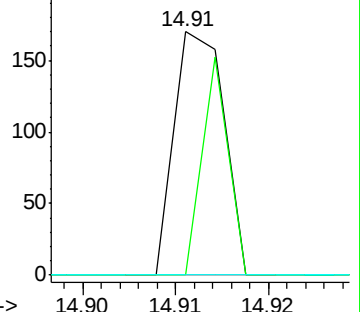
145 0.0 14.2 42.8#

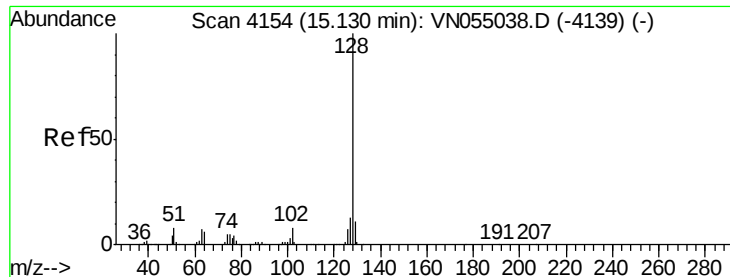


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.683 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055108.D

Acq: 17 Apr 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

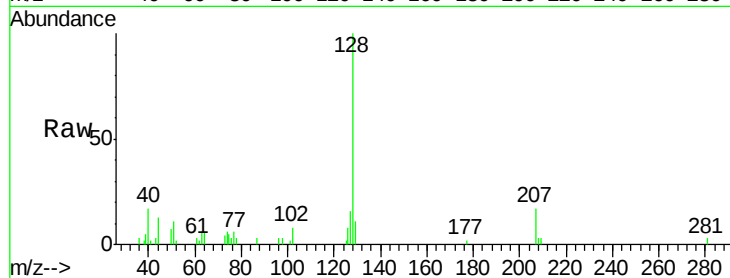
Tot Ion:128 Resp: 14078

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

129 10.8 8.8 13.2



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

