

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055109.D
 Acq On : 17 Apr 2019 16:36
 Operator : JC/SP
 Sample : K2198-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

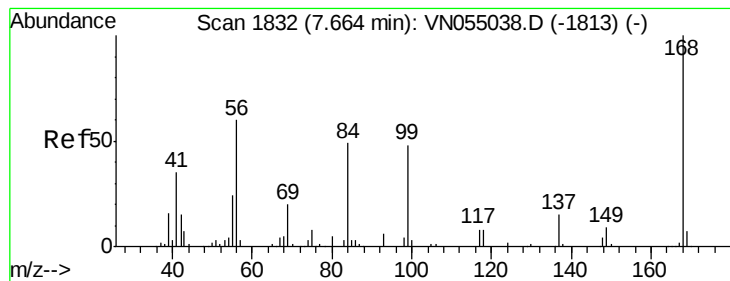
Quant Time: Apr 18 03:06:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	508273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	834476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	703924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227095	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	331460	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	7.59	113	262939	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
50) Toluene-d8	10.09	98	1008825	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	291468	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.53	56	110	0.240	ug/l #	5
16) Acetone	3.82	43	6170	3.365	ug/l	94
18) Methyl Acetate	4.33	43	5484	0.606	ug/l #	72
20) Methylene Chloride	4.54	84	125129	19.411	ug/l	98
29) Tetrahydrofuran	7.22	42	377	0.210	ug/l #	46
30) Chloroform	7.37	83	16719	1.592	ug/l	100
31) Cyclohexane	7.66	56	10753	Below Cal	#	4
36) 1,1-Dichloropropene	7.66	75	40393	5.135	ug/l #	49
38) Carbon Tetrachloride	7.66	117	47288	6.318	ug/l #	16
43) Isopropyl Acetate	8.17	43	14075	1.426	ug/l	99
45) 1,2-Dichloropropane	9.27	63	1453	0.220	ug/l #	44
47) Bromodichloromethane	9.40	83	3198	0.412	ug/l #	82
48) Methyl methacrylate	9.18	41	7155	1.463	ug/l #	17
49) 1,4-Dioxane	9.27	88	93	2.029	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4789	0.840	ug/l #	84
54) cis-1,3-Dichloropropene	9.90	75	48063	5.711	ug/l #	67
57) 1,3-Dichloropropane	10.76	76	9277	1.042	ug/l #	43
59) 2-Hexanone	10.76	43	152415	42.565	ug/l #	54
68) m/p-Xylenes	11.62	106	1834	0.200	ug/l	84
76) 1,2,3-Trichloropropane	12.40	75	146803	35.948	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3901	0.240	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	146803	143.752	ug/l #	2
84) 1,2,4-Trimethylbenzene	13.04	105	4808	0.312	ug/l	94
90) Hexachloroethane	13.99	117	758	0.310	ug/l #	6
95) Naphthalene	15.13	128	4146	3.557	ug/l #	84

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :

MSVOA_N

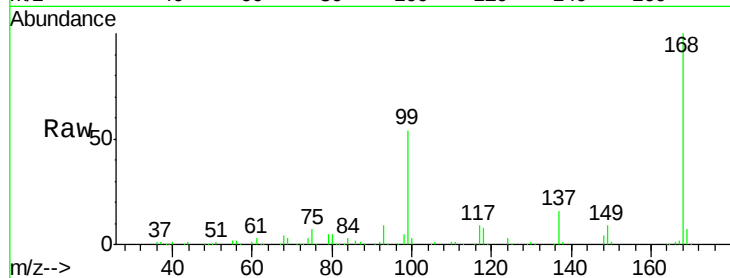
ClientSampled :

Tot Ion:168 Resp: 508273

Ion Ratio Lower Upper

168 100

99 53.8 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055109.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055109.D (-1739) (-)

7.66

250000

200000

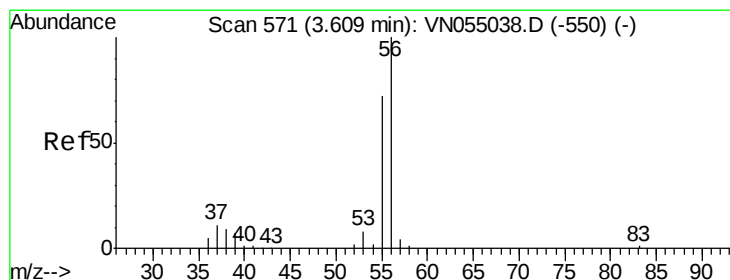
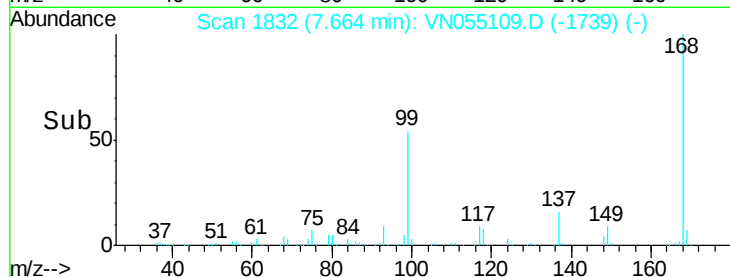
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#13

Acrolein

Concen: 0.240 ug/l

RT: 3.53 min Scan# 546

Delta R.T. -0.08 min

Lab File: VN055109.D

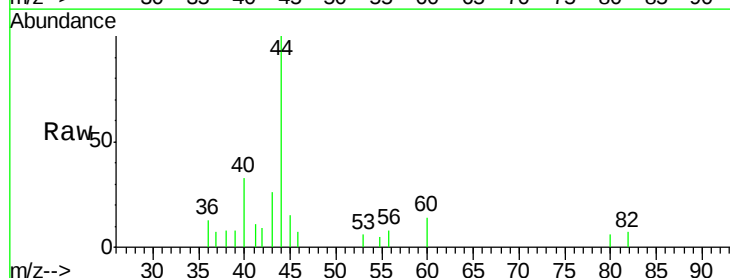
Acq: 17 Apr 2019 16:36

Tgt Ion: 56 Resp: 110

Ion Ratio Lower Upper

56 100

55 154.5 59.5 89.3#



Abundance Ion 56.00 (55.70 to 56.70): VN055109.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN055109.D (-478) (-)

3.53

250

200

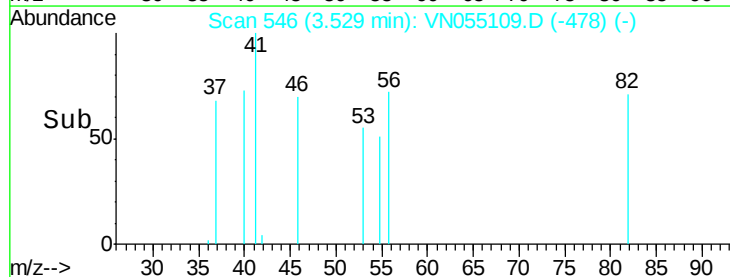
150

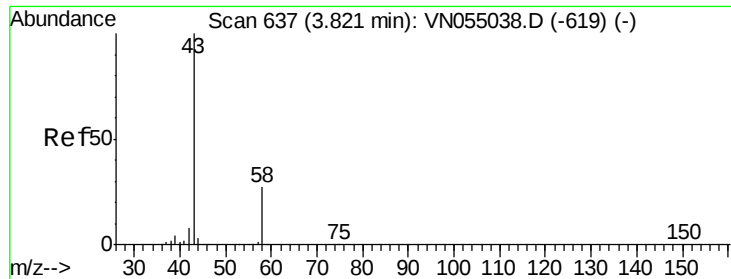
100

50

0

Time--> 3.51 3.52 3.53 3.54





#16

Acetone

Concen: 3.365 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :

MSVOA_N

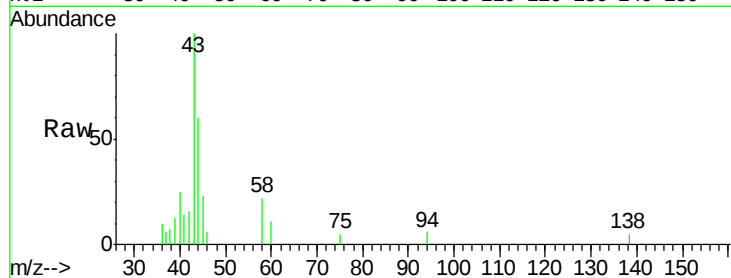
ClientSampleId :

Tot Ion: 43 Resp: 6170

Ion Ratio Lower Upper

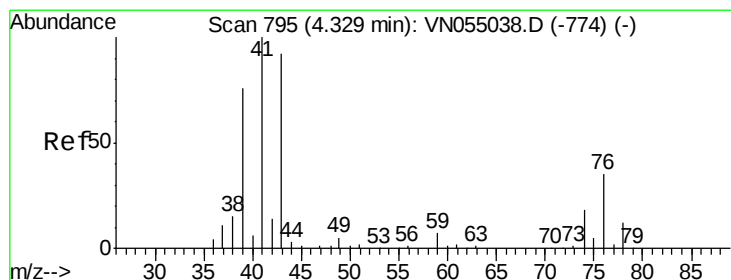
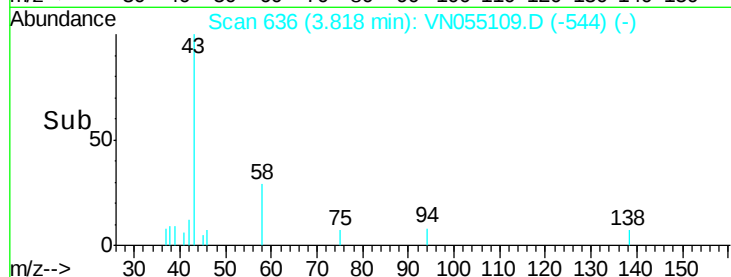
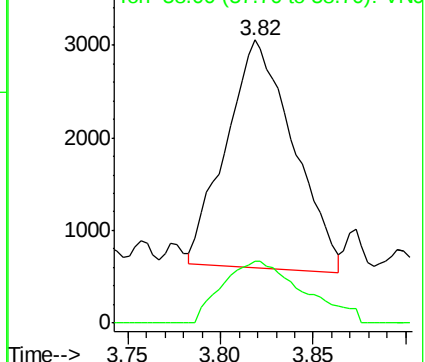
43 100

58 29.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.606 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055109.D

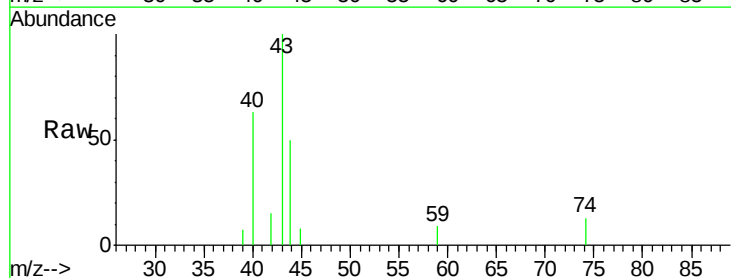
Acq: 17 Apr 2019 16:36

Tgt Ion: 43 Resp: 5484

Ion Ratio Lower Upper

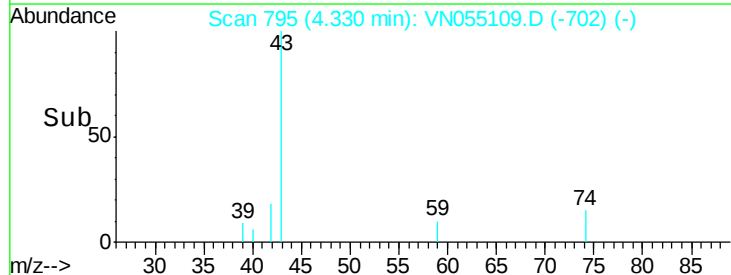
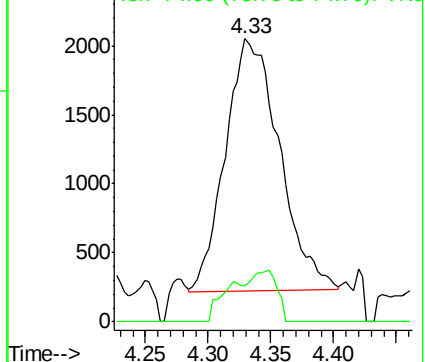
43 100

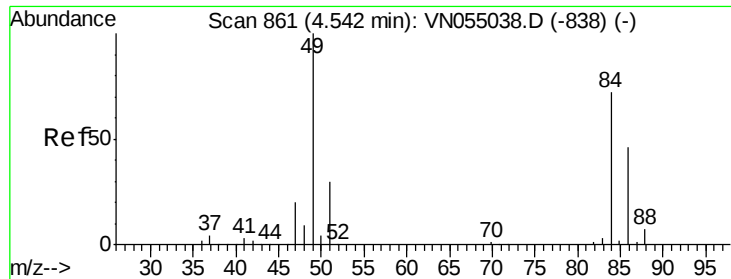
74 7.3 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

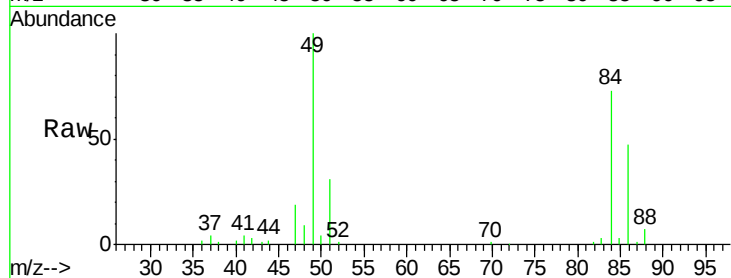




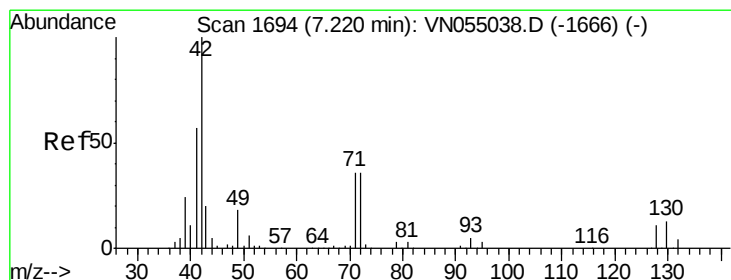
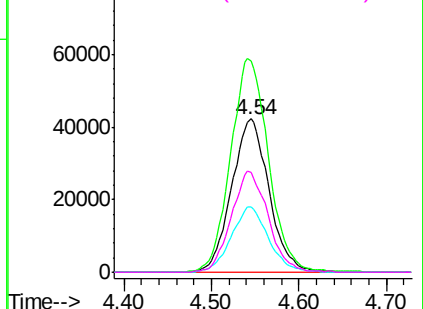
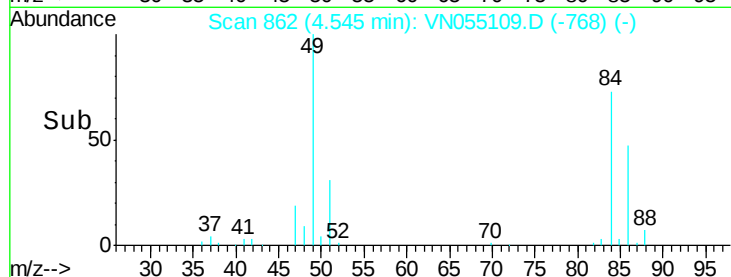
#20
Methvlene Chloride
Concen: 19.411 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055109.D
Acq: 17 Apr 2019 16:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 125129
Ion Ratio Lower Upper
84 100
49 136.7 109.4 164.2
51 42.6 32.2 48.4
86 64.7 49.3 73.9

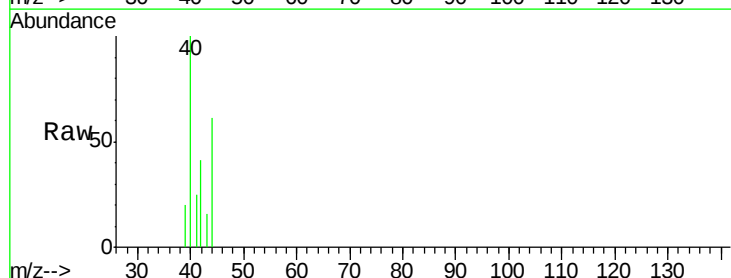


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

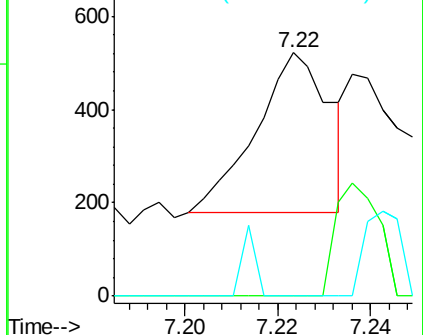
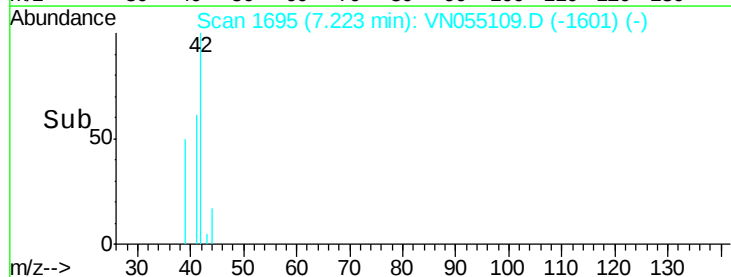


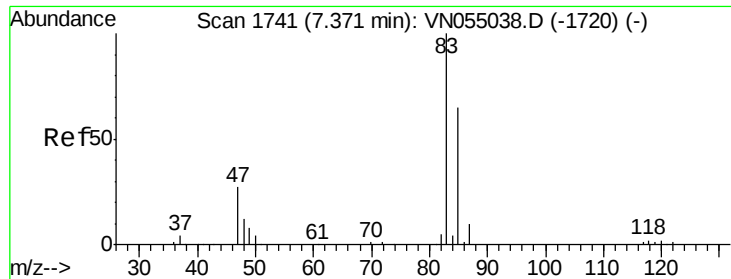
#29
Tetrahydrofuran
Concen: 0.210 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055109.D
Acq: 17 Apr 2019 16:36

Tgt Ion: 42 Resp: 377
Ion Ratio Lower Upper
42 100
72 0.0 29.4 44.0#
71 7.7 27.8 41.6#



Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

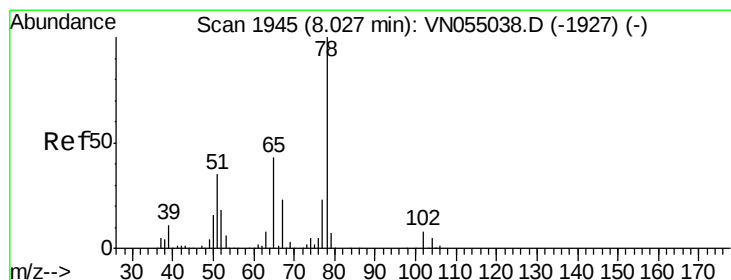
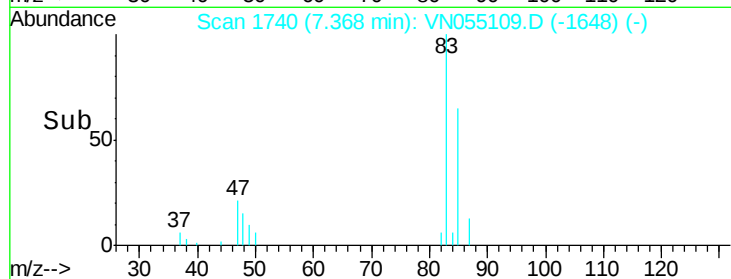
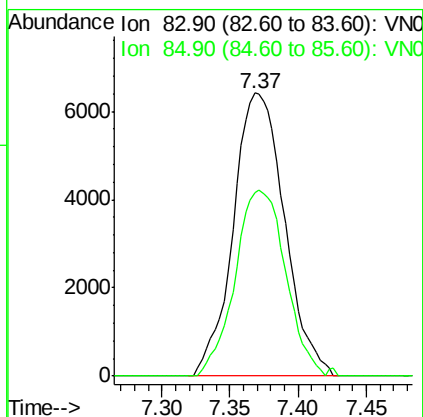
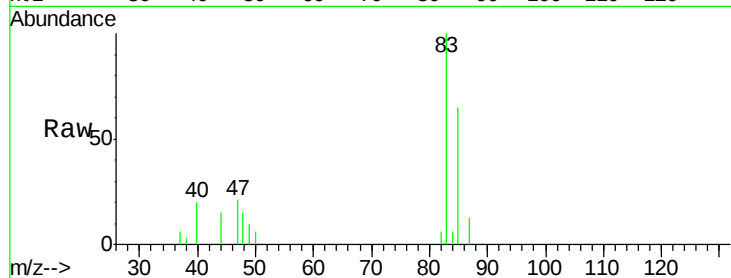




#30
Chloroform
Concen: 1.592 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055109.D
Acq: 17 Apr 2019 16:36

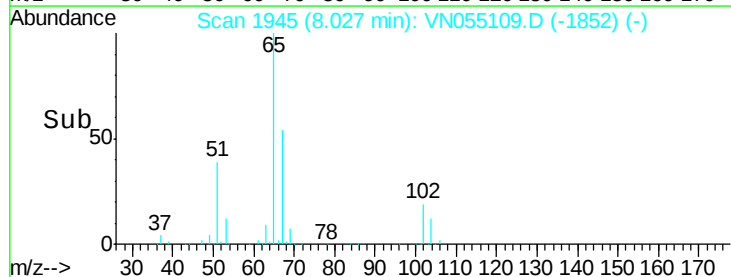
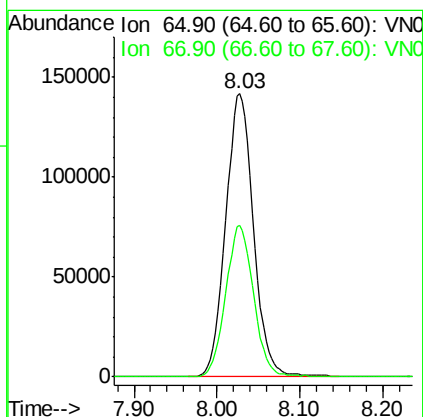
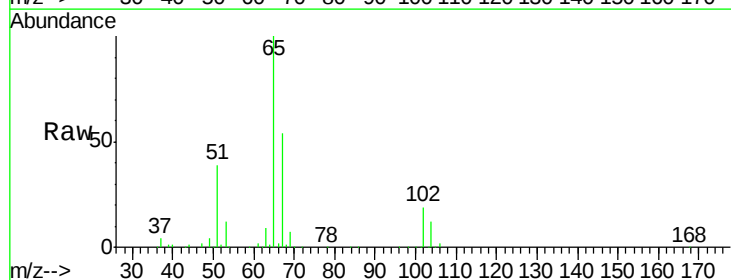
Instrument :
MSVOA_N
ClientSampleId :

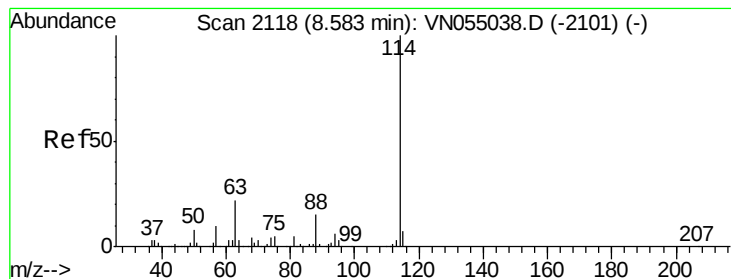
Tot Ion: 83 Resp: 16719
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.6



#33
1,2-Dichloroethane-d4
Concen: 49.060 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055109.D
Acq: 17 Apr 2019 16:36

Tgt Ion: 65 Resp: 331460
Ion Ratio Lower Upper
65 100
67 53.4 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: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

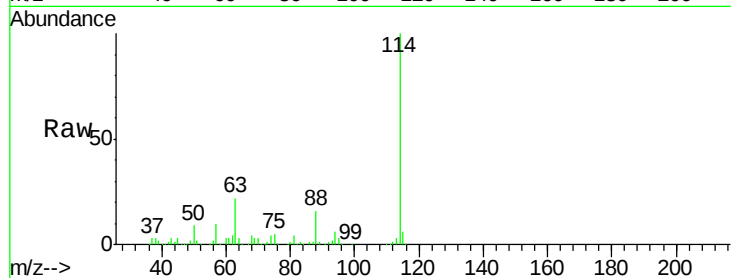
Tot Ion:114 Resp: 834476

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

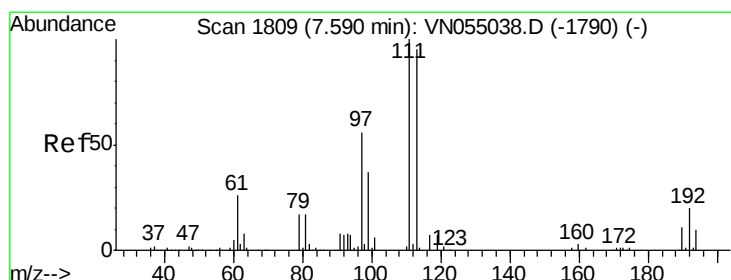
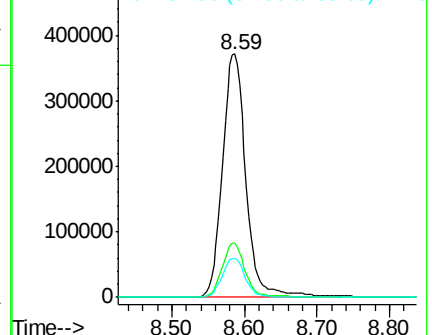
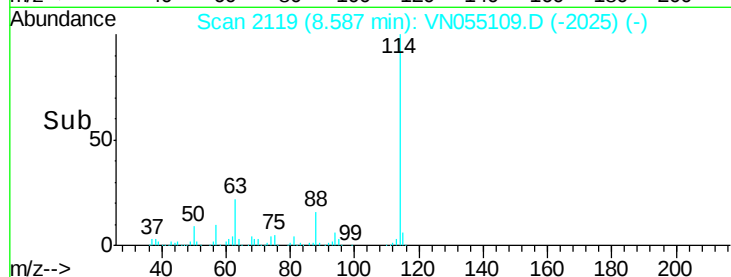
88 15.9 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.148 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

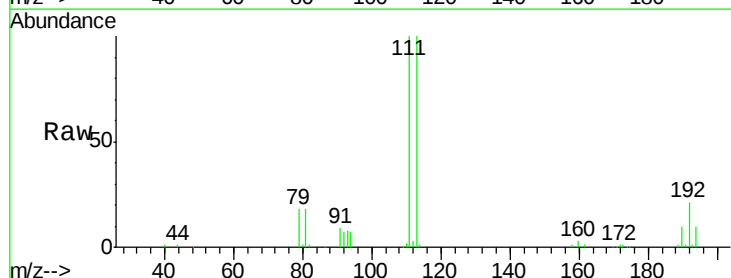
Tgt Ion:113 Resp: 262939

Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

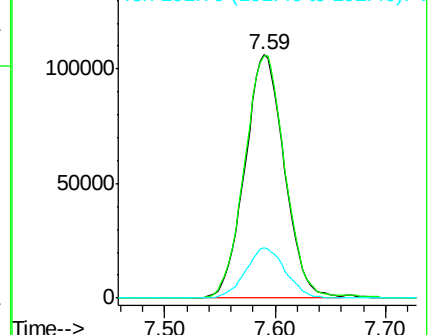
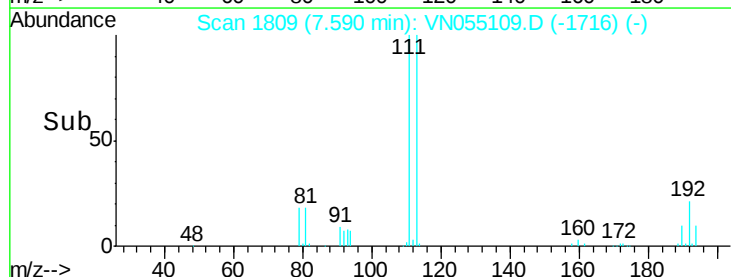
192 20.8 16.5 24.7

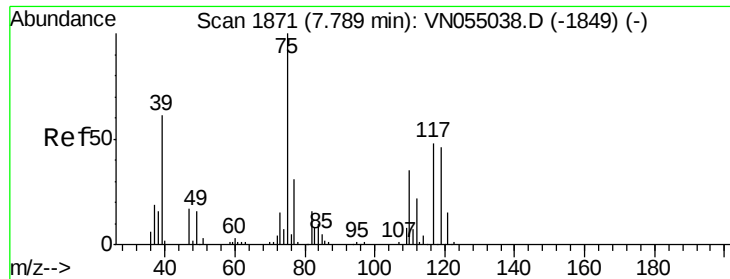


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.135 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :
MSVOA_N
ClientSampleId :

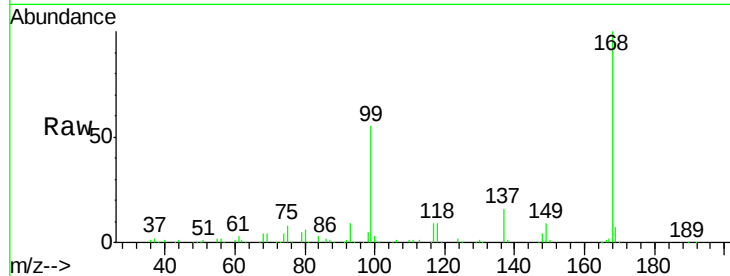
Tot Ion: 75 Resp: 40393

Ion Ratio Lower Upper

75 100

110 8.3 17.5 52.5#

77 0.0 24.9 37.3#

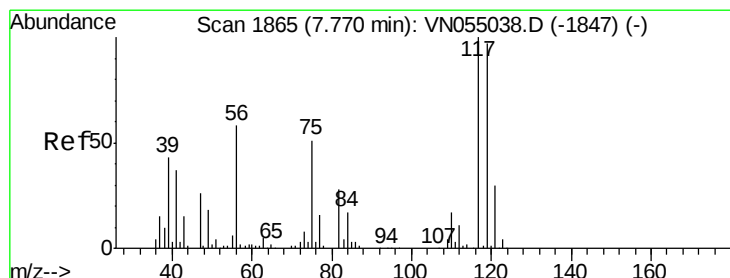
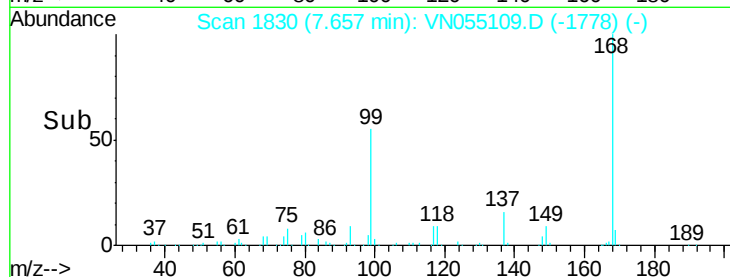


Abundance Ion 74.90 (74.60 to 75.60): VN055038.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN055038.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN055038.D (-1849) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.318 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

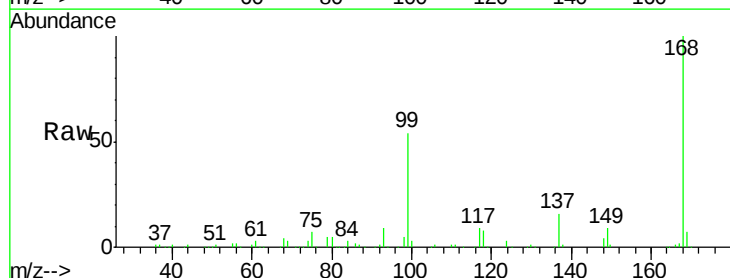
Tgt Ion: 117 Resp: 47288

Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

121 0.0 23.9 35.9#

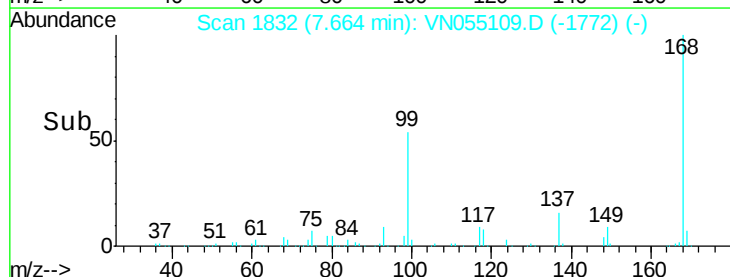


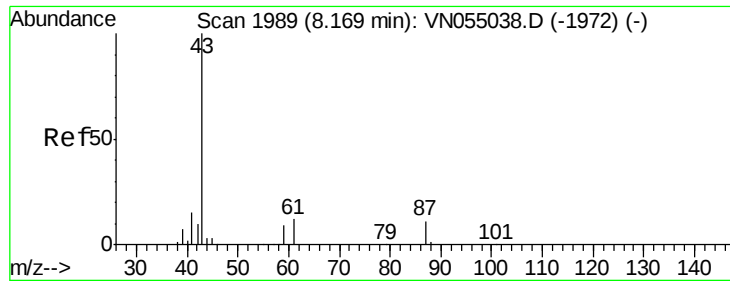
Abundance Ion 116.80 (116.50 to 117.50): VN055038.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055038.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055038.D (-1847) (-)

Time-->





#43

Isopropyl Acetate

Concen: 1.426 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

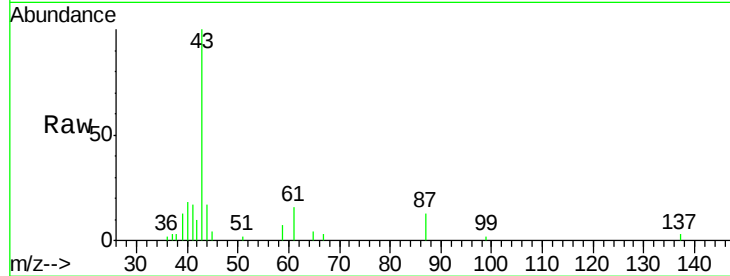
Tot Ion: 43 Resp: 14075

Ion Ratio Lower Upper

43 100

61 18.1 14.3 21.5

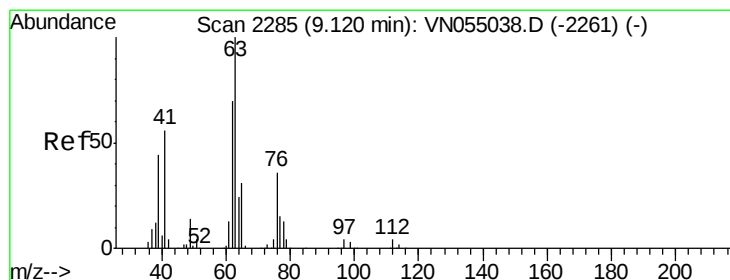
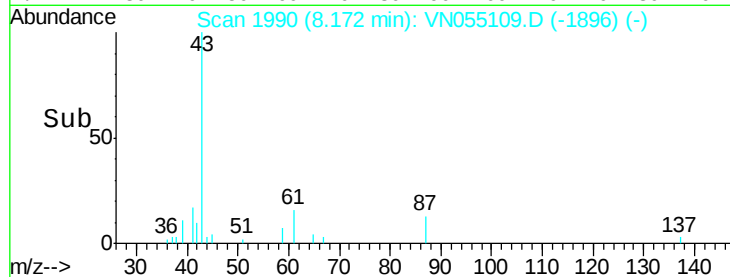
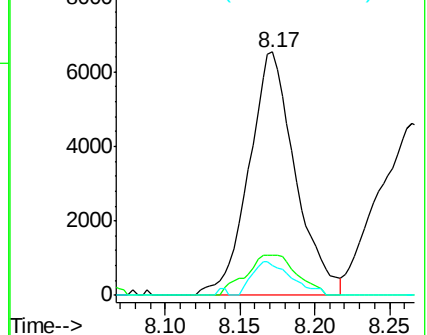
87 11.8 8.6 13.0



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: 0.220 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN055109.D

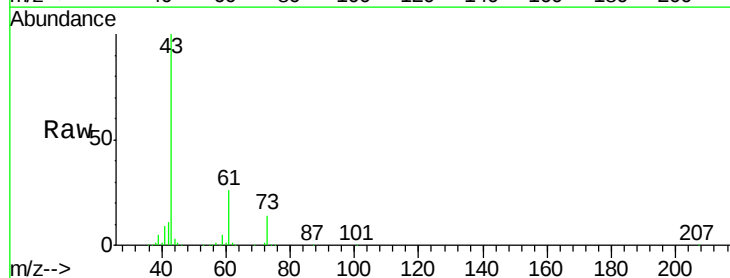
Acq: 17 Apr 2019 16:36

Tgt Ion: 63 Resp: 1453

Ion Ratio Lower Upper

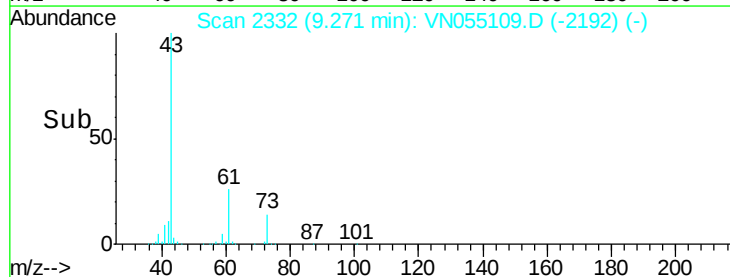
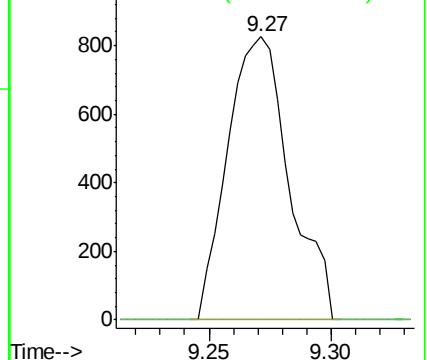
63 100

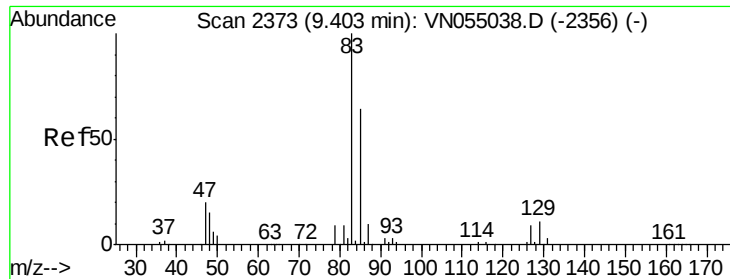
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 0.412 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

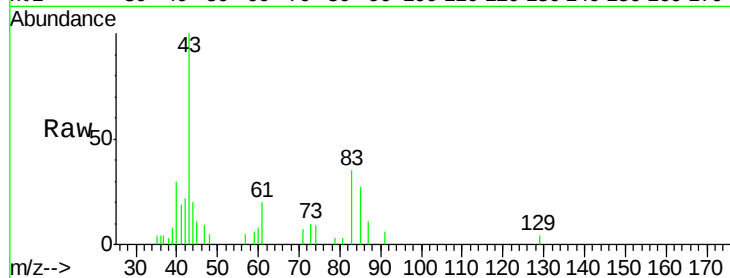
Tot Ion: 83 Resp: 3198

Ion Ratio Lower Upper

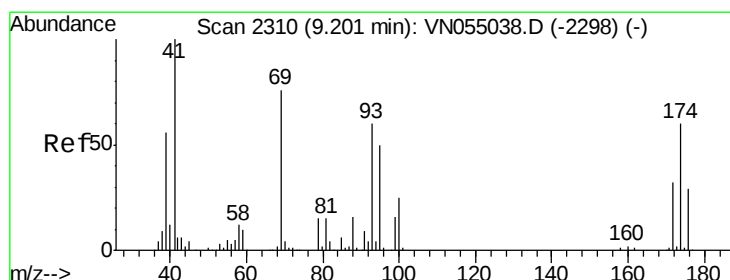
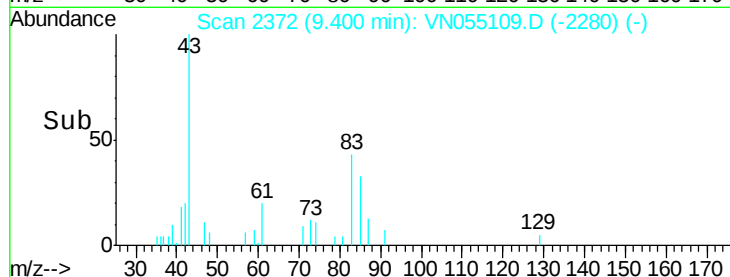
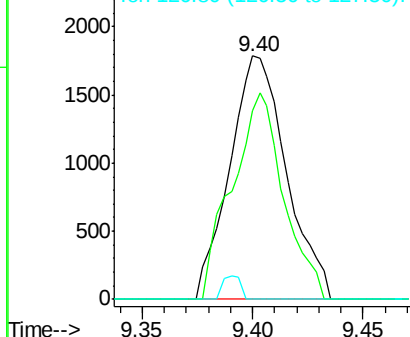
83 100

85 77.3 51.2 76.8#

127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.463 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

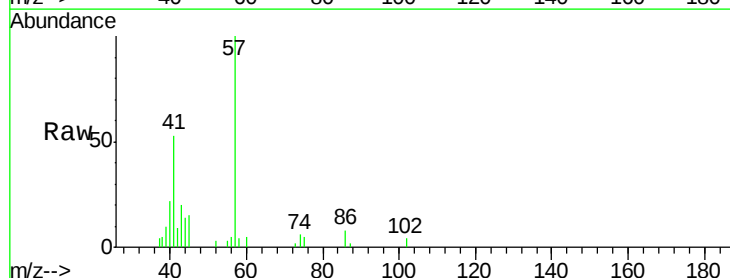
Tgt Ion: 41 Resp: 7155

Ion Ratio Lower Upper

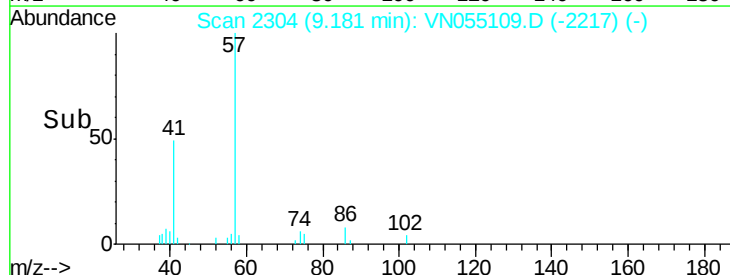
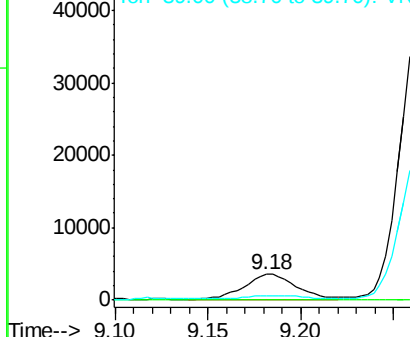
41 100

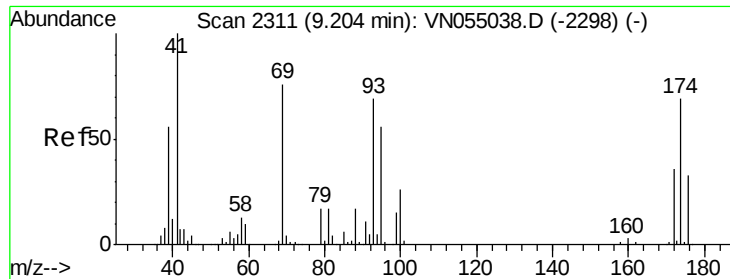
69 0.0 60.5 90.7#

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: 2.029 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :
MSVOA_N
ClientSampled :

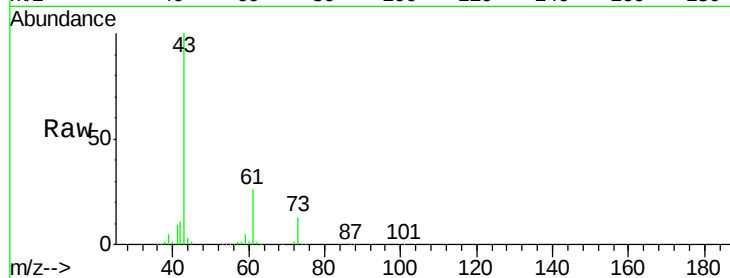
Tot Ion: 88 Resp: 93

Ion Ratio Lower Upper

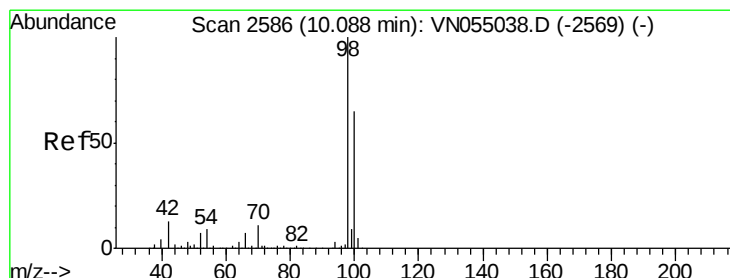
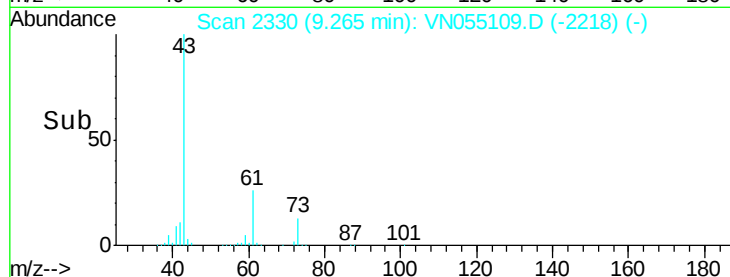
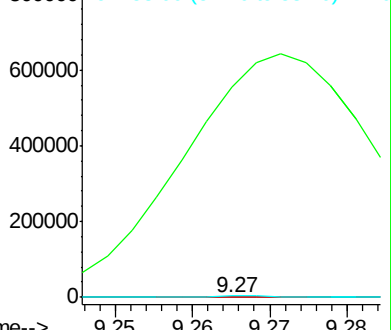
88 100

43 1295978.5 31.8 47.8#

58 6086.0 61.6 92.4#



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



#50

Toluene-d8

Concen: 50.542 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055109.D

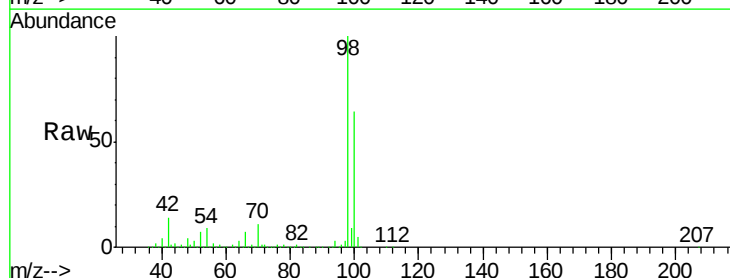
Acq: 17 Apr 2019 16:36

Tgt Ion: 98 Resp: 1008825

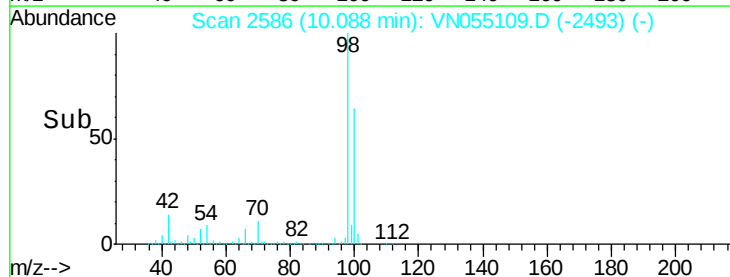
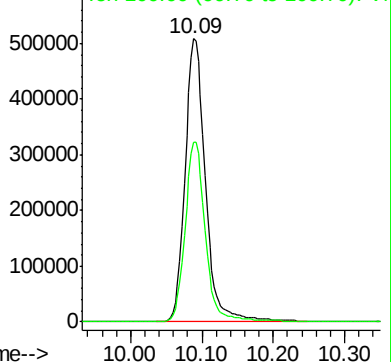
Ion Ratio Lower Upper

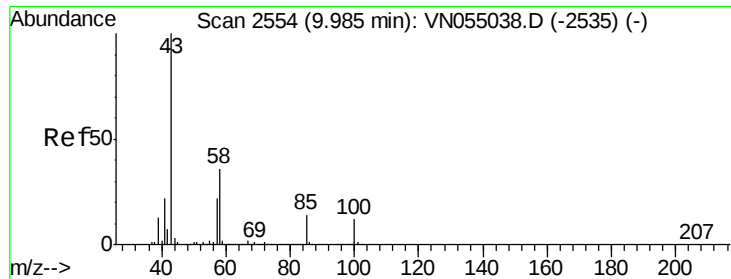
98 100

100 63.4 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 0.840 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :

MSVOA_N

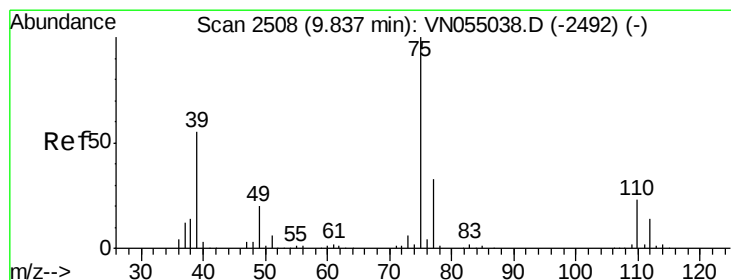
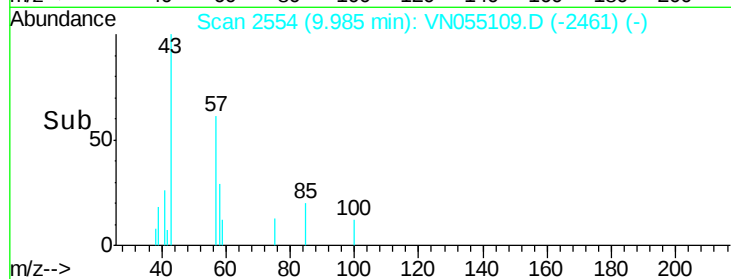
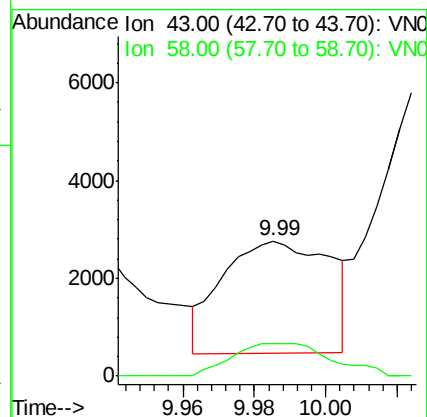
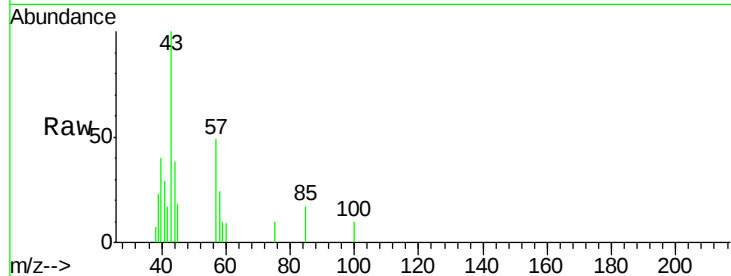
ClientSampled :

Tot Ion: 43 Resp: 4789

Ion Ratio Lower Upper

43 100

58 26.8 29.0 43.4#



#54

cis-1,3-Dichloropropene

Concen: 5.711 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

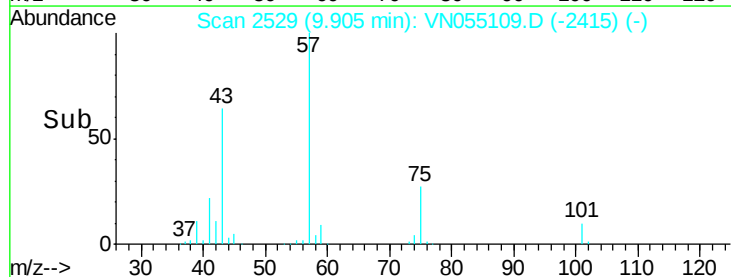
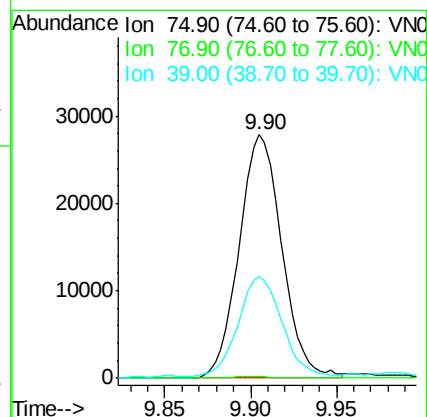
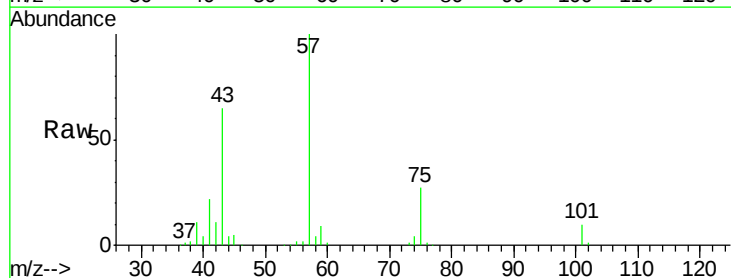
Tgt Ion: 75 Resp: 48063

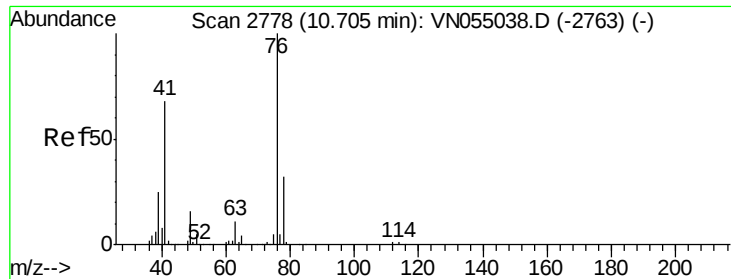
Ion Ratio Lower Upper

75 100

77 0.7 25.8 38.6#

39 41.1 43.8 65.8#

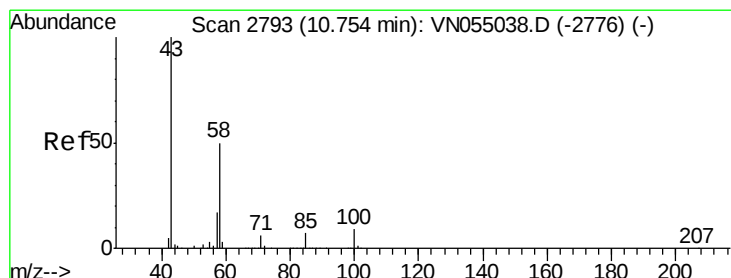
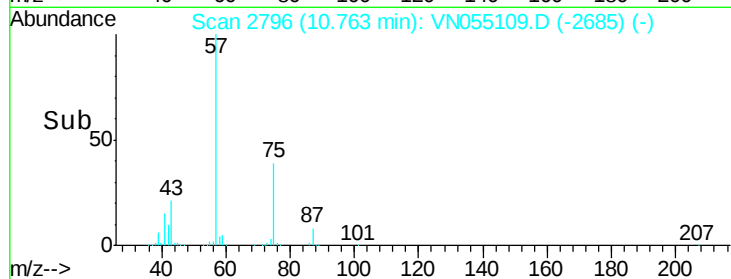
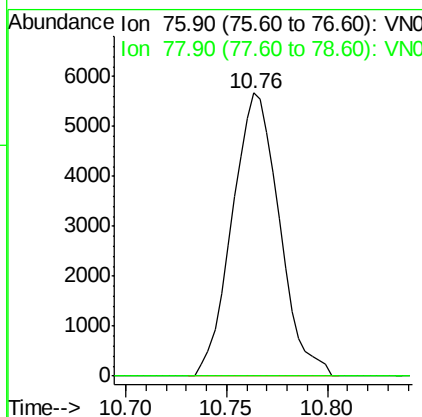
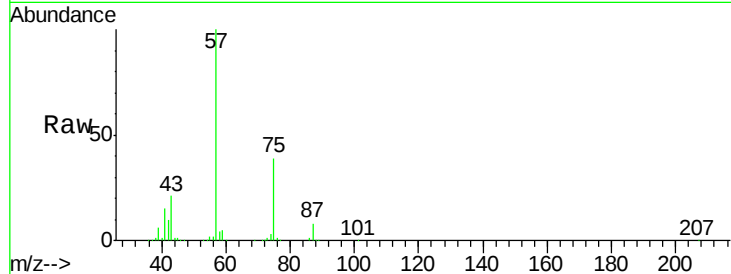




#57
 1,3-Dichloropropane
 Concen: 1.042 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055109.D
 Acq: 17 Apr 2019 16:36

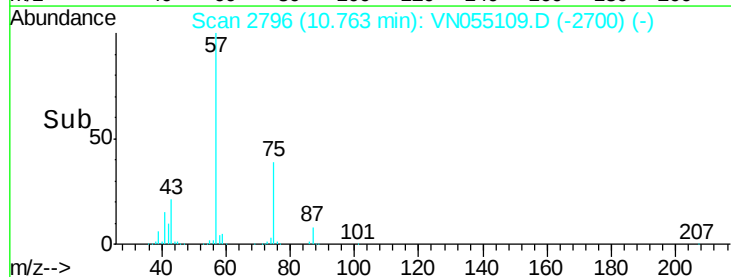
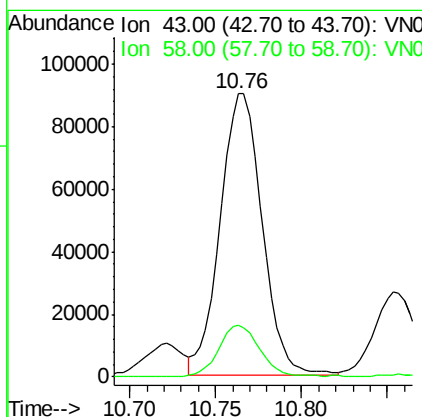
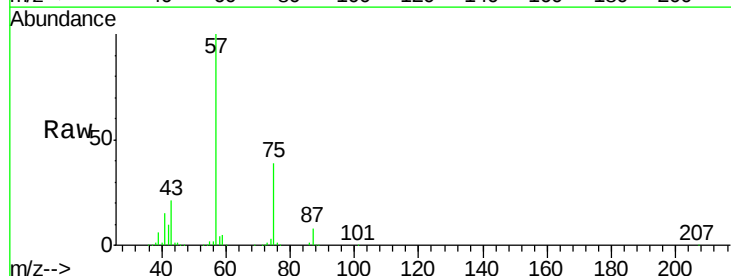
Instrument :
 MSVOA_N
 ClientSampleId :

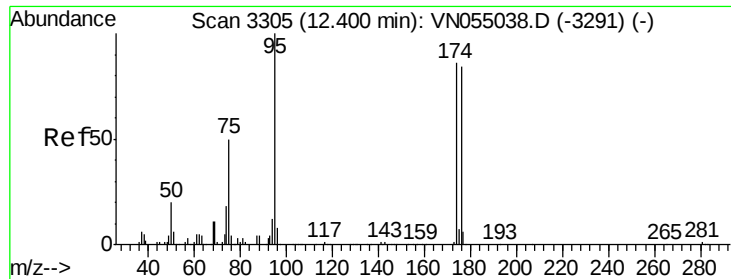
Tot Ion: 76 Resp: 9277
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 42.565 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN055109.D
 Acq: 17 Apr 2019 16:36

Tgt Ion: 43 Resp: 152415
 Ion Ratio Lower Upper
 43 100
 58 18.2 25.1 75.2#





#62

4-Bromofluorobenzene

Concen: 44.917 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

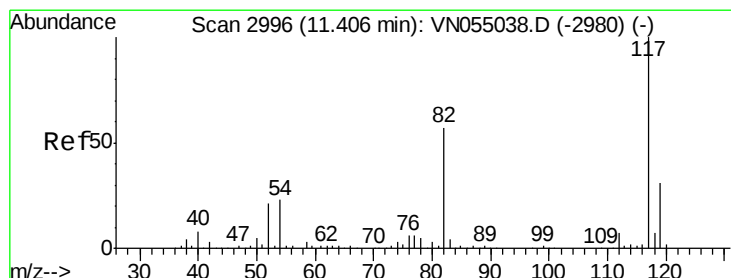
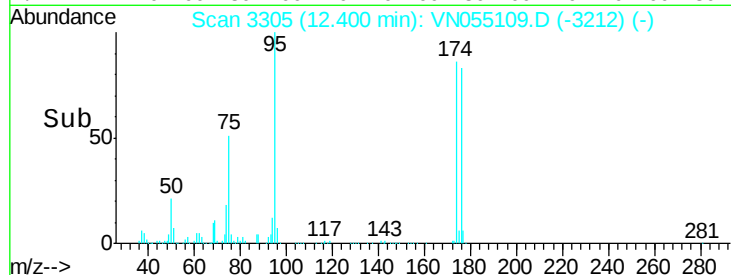
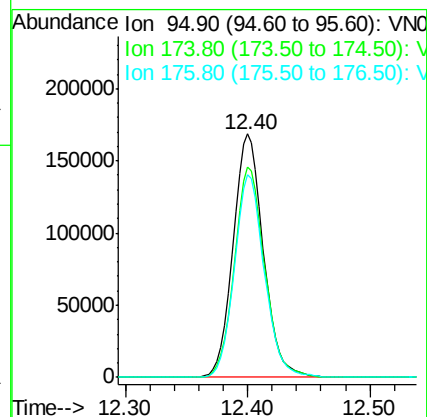
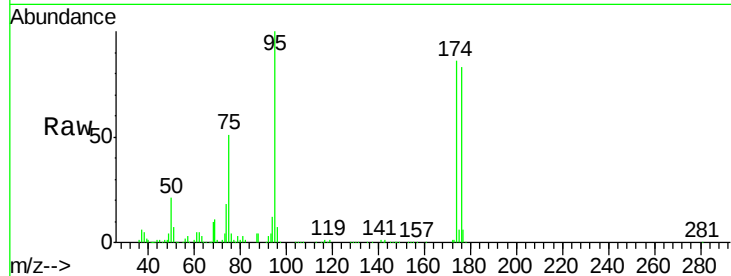
Tot Ion: 95 Resp: 291468

Ion Ratio Lower Upper

95 100

174 86.3 0.0 174.4

176 82.4 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: VN055109.D

Acq: 17 Apr 2019 16:36

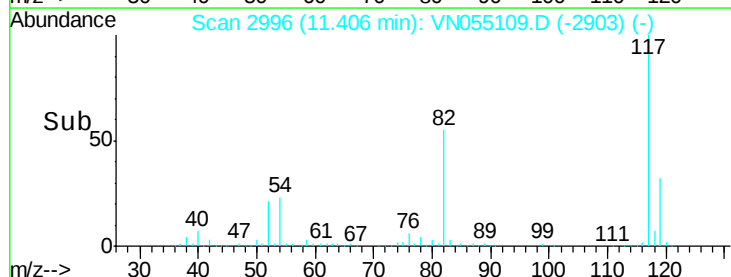
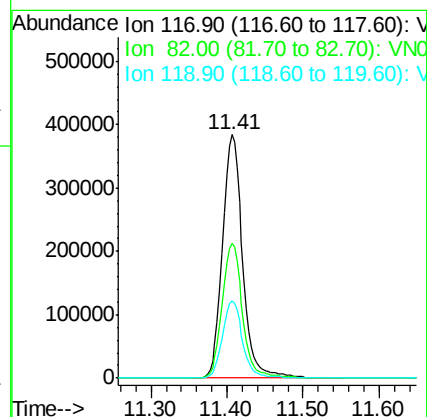
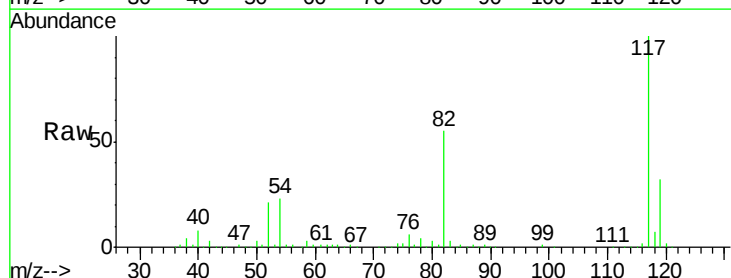
Tgt Ion: 117 Resp: 703924

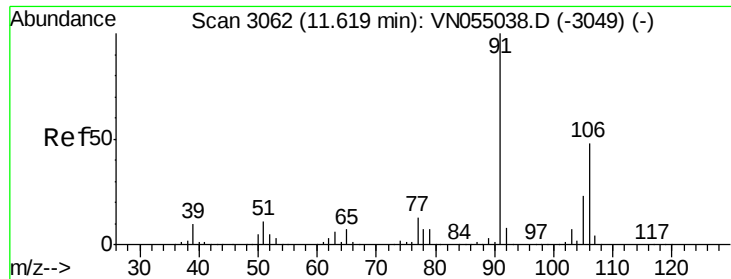
Ion Ratio Lower Upper

117 100

82 55.5 44.6 66.8

119 31.9 25.5 38.3

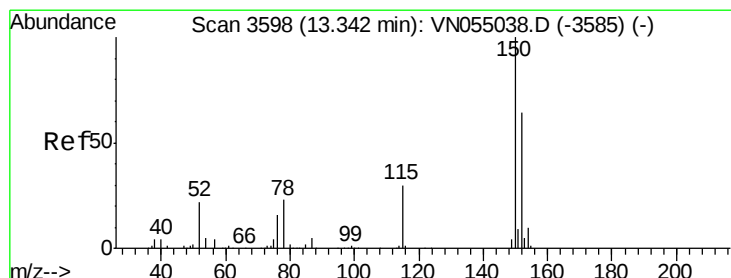
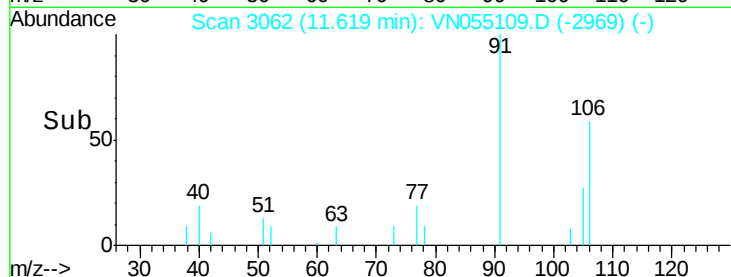
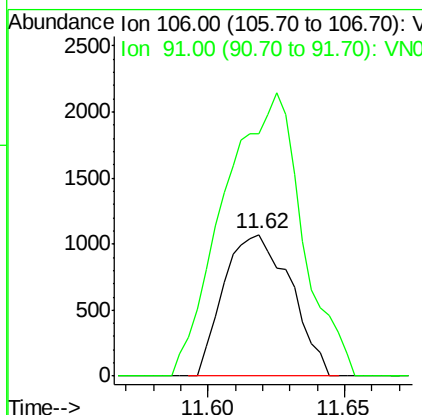
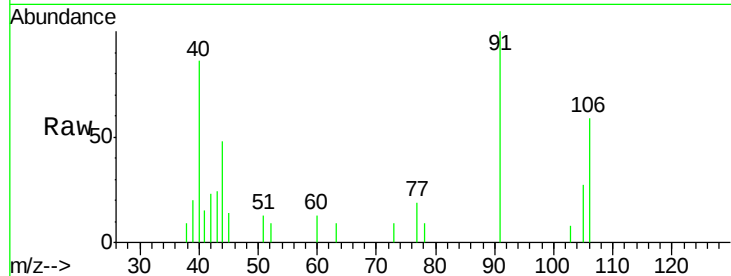




#68
m/p-Xvlenes
Concen: 0.200 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055109.D
Acq: 17 Apr 2019 16:36

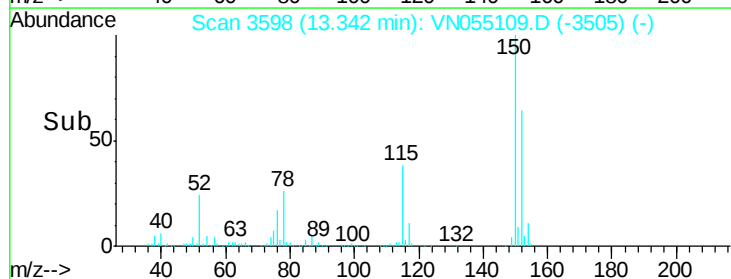
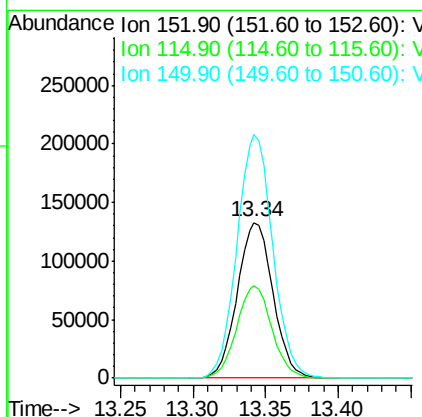
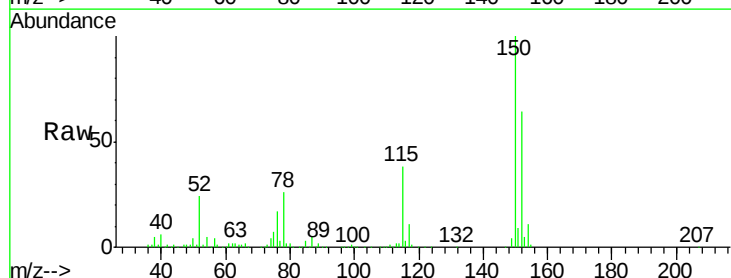
Instrument :
MSVOA_N
ClientSampled :

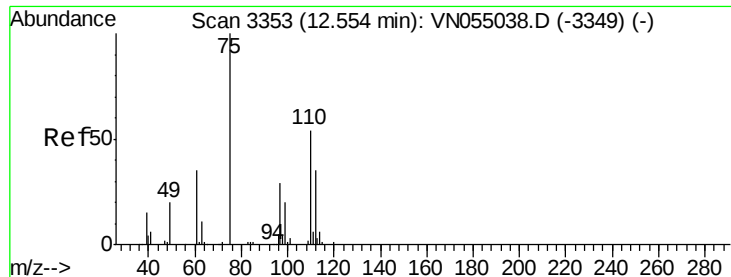
Tot Ion:106 Resp: 1834
Ion Ratio Lower Upper
106 100
91 232.9 165.9 248.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055109.D
Acq: 17 Apr 2019 16:36

Tgt Ion:152 Resp: 227095
Ion Ratio Lower Upper
152 100
115 58.4 28.5 85.6
150 156.7 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 35.948 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :

MSVOA_N

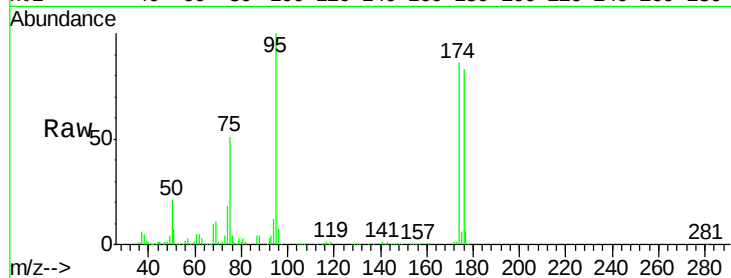
ClientSampleId :

Tot Ion: 75 Resp: 146803

Ion Ratio Lower Upper

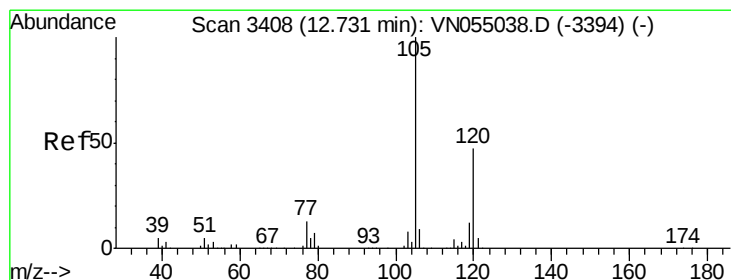
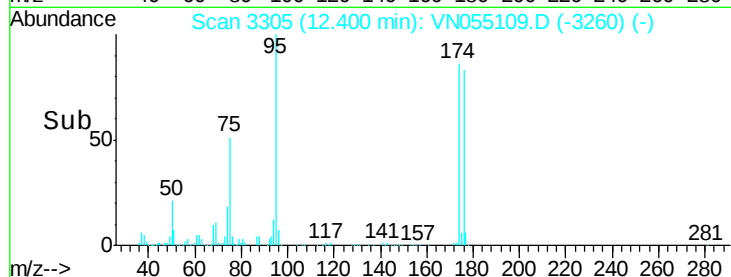
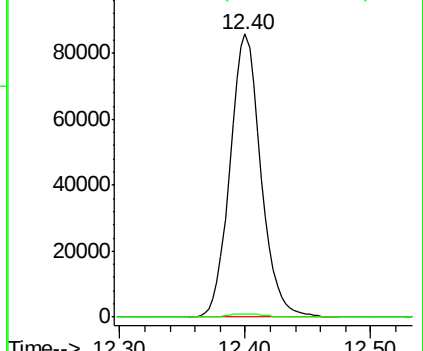
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.240 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055109.D

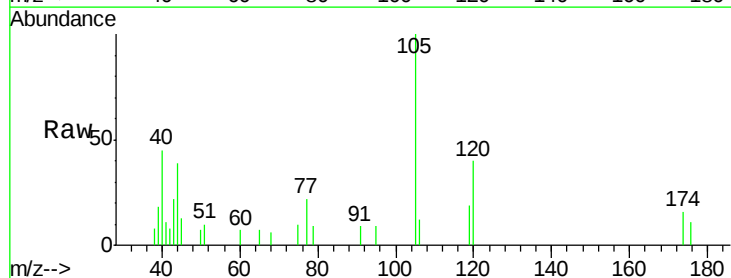
Acq: 17 Apr 2019 16:36

Tgt Ion: 105 Resp: 3901

Ion Ratio Lower Upper

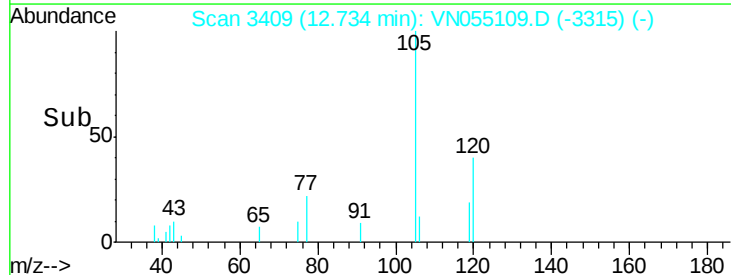
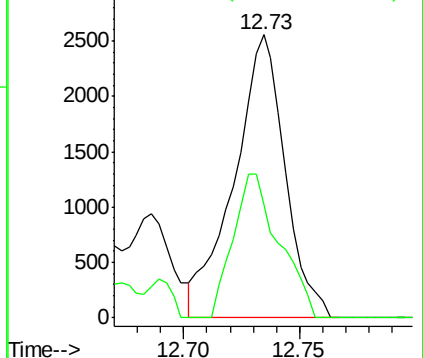
105 100

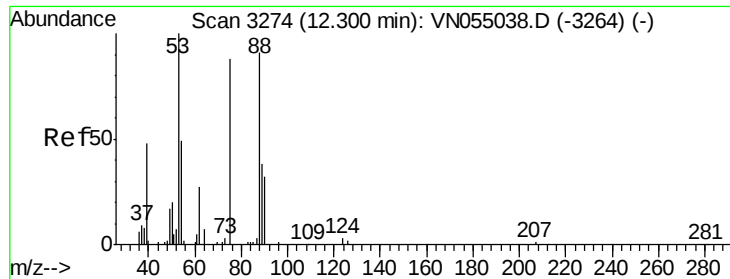
120 45.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 143.752 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :

MSVOA_N

ClientSampled :

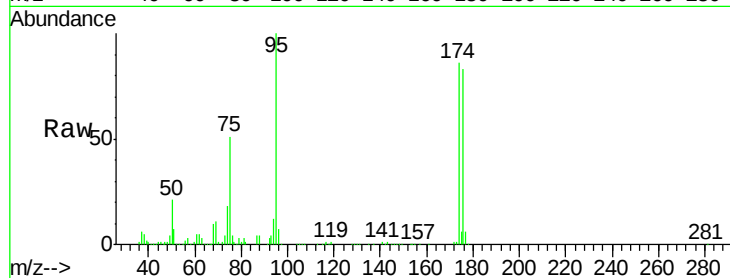
Tot Ion: 75 Resp: 146803

Ion Ratio Lower Upper

75 100

53 0.1 96.3 144.5#

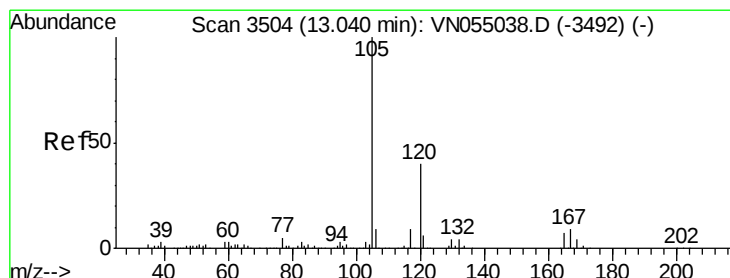
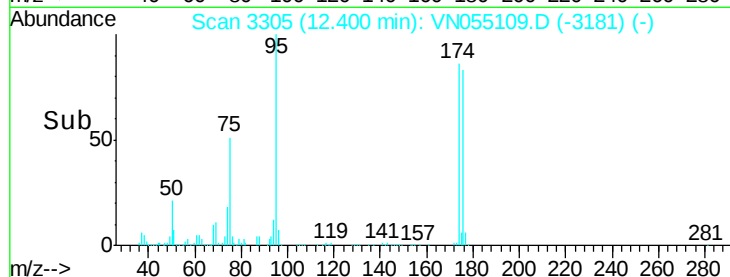
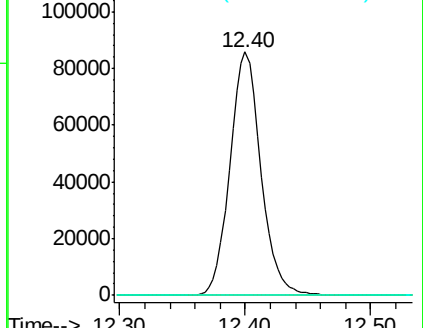
89 0.0 38.6 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055109.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055109.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055109.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.312 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055109.D

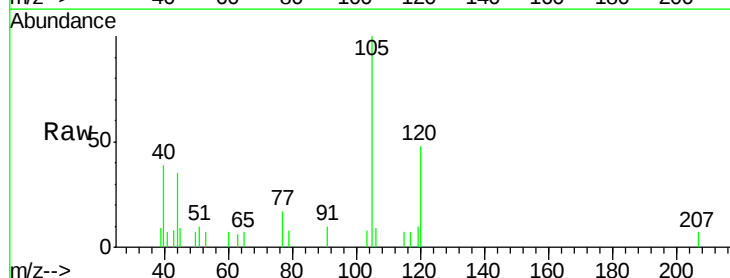
Acq: 17 Apr 2019 16:36

Tgt Ion: 105 Resp: 4808

Ion Ratio Lower Upper

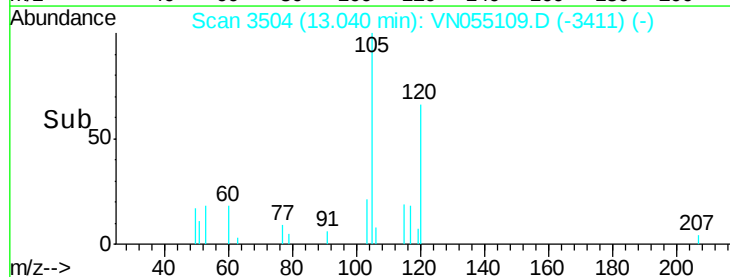
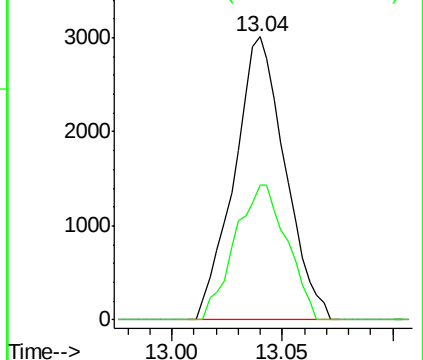
105 100

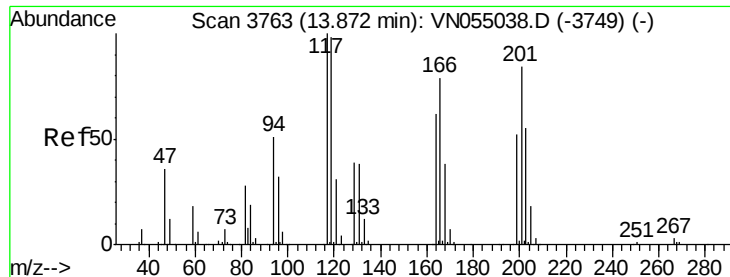
120 48.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): VN055109.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN055109.D (-3411) (-)





#90

Hexachloroethane

Concen: 0.310 ug/l

RT: 13.99 min Scan# 3801

Delta R.T. 0.12 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

Instrument :

MSVOA_N

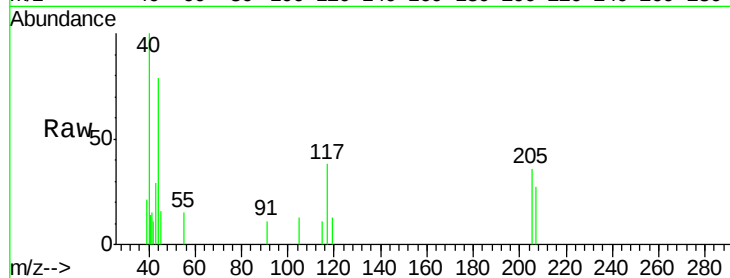
ClientSampled :

Tot Ion:117 Resp: 758

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

13.99

600

500

400

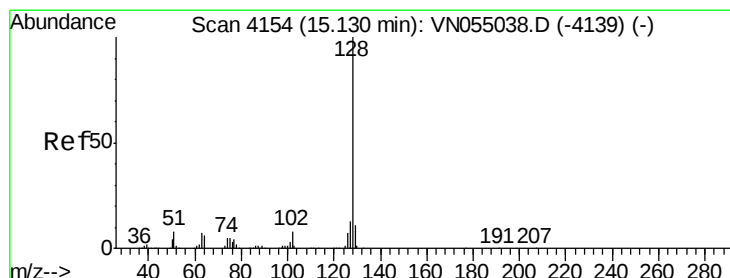
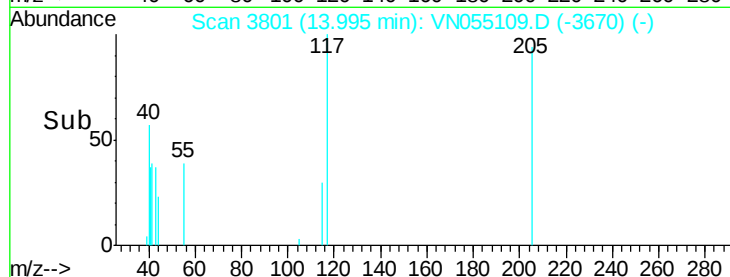
300

200

100

0

Time--> 13.96 13.98 14.00 14.02



#95

Naphthalene

Concen: 3.557 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055109.D

Acq: 17 Apr 2019 16:36

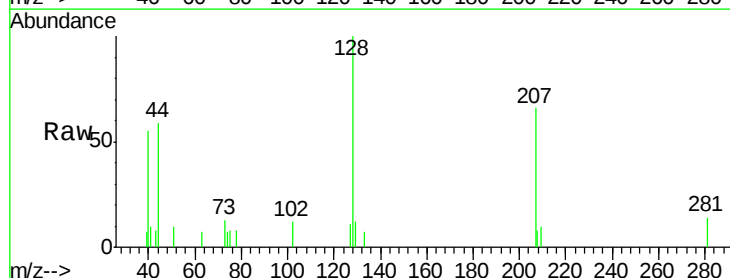
Tgt Ion:128 Resp: 4146

Ion Ratio Lower Upper

128 100

127 6.0 10.1 15.1#

129 5.4 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

3000

2500

2000

1500

1000

500

0

Time--> 15.10 15.15

