

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103118\
 Data File : VN052073.D
 Acq On : 31 Oct 2018 14:58
 Operator : MD\SY
 Sample : PB114328ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:42:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

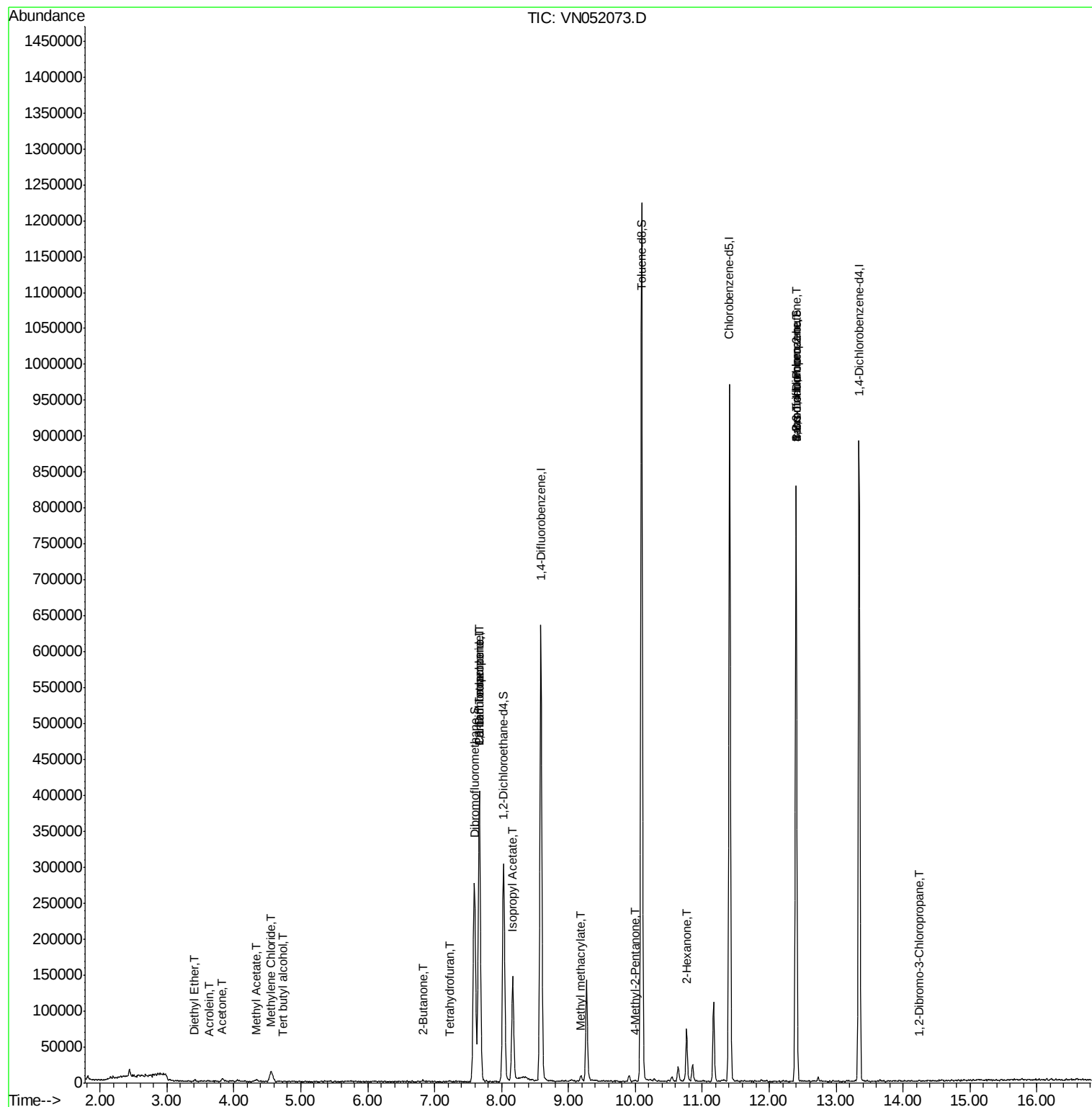
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	298334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	555287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	533688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	218011	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	259028	54.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.22%	
35) Dibromofluoromethane	7.59	113	212502	61.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.34%	
50) Toluene-d8	10.09	98	840585	60.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.08%	
62) 4-Bromofluorobenzene	12.40	95	291556	57.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.40%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.42	74	544	0.260	ug/l	80
11) Tert butyl alcohol	4.74	59	68	0.284	ug/l #	1
13) Acrolein	3.63	56	110	24.450	ug/l #	12
16) Acetone	3.82	43	5784	5.660	ug/l	92
18) Methyl Acetate	4.34	43	4812	1.479	ug/l #	82
20) Methylene Chloride	4.55	84	4541	1.166	ug/l	98
25) 2-Butanone	6.83	43	682	0.426	ug/l #	50
29) Tetrahydrofuran	7.21	42	334	0.313	ug/l #	92
31) Cyclohexane	7.66	56	7296	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	29076	5.150	ug/l #	47
38) Carbon Tetrachloride	7.67	117	32643	6.705	ug/l #	18
43) Isopropyl Acetate	8.17	43	169791	25.260	ug/l	99
48) Methyl methacrylate	9.18	41	4780	1.403	ug/l #	28
51) 4-Methyl-2-Pentanone	9.99	43	1679	0.460	ug/l	92
59) 2-Hexanone	10.77	43	9960	3.826	ug/l	66
71) Bromoform	12.40	173	3578	3.687	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	155622	38.995	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	155622	129.432	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.24	75	35	0.972	ug/l #	11

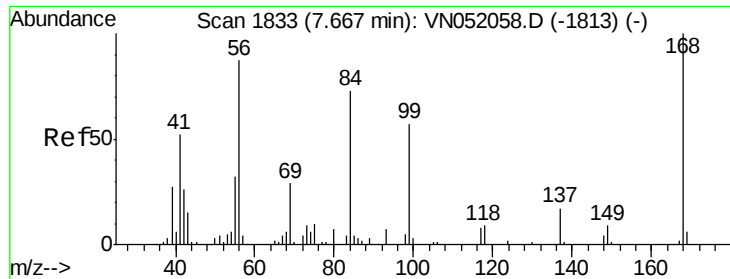
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052073.D

Acq: 31 Oct 2018 14:58

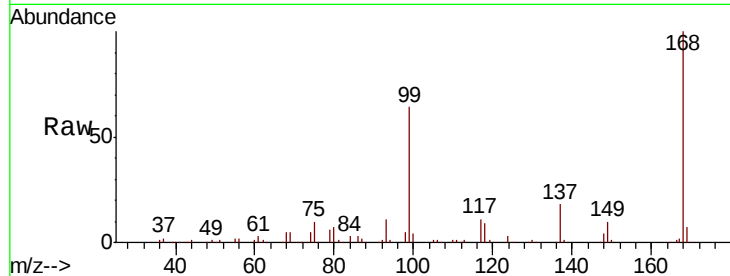
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 298334

Ion Ratio Lower Upper

168 100

99 63.5 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): VN052058.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052058.D (-1813) (-)

7.67

150000

100000

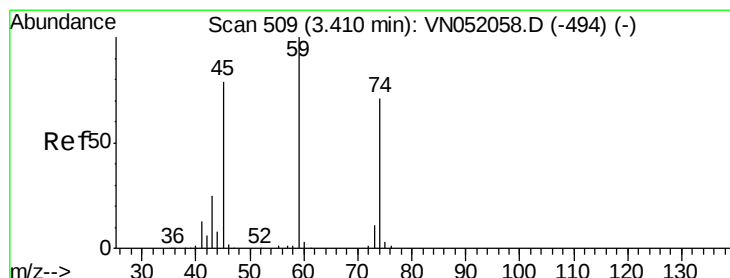
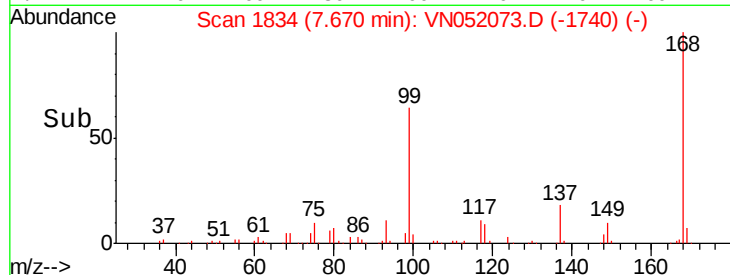
50000

0

Time-->

7.60

7.70



#8

Diethyl Ether

Concen: 0.260 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.01 min

Lab File: VN052073.D

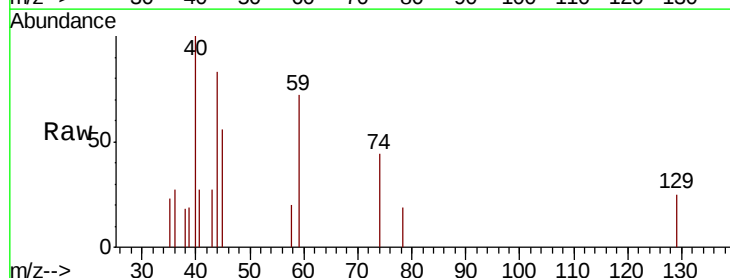
Acq: 31 Oct 2018 14:58

Tgt Ion: 74 Resp: 544

Ion Ratio Lower Upper

74 100

45 132.5 55.6 166.8



Abundance Ion 74.00 (73.70 to 74.70): VN052058.D (-494) (-)

Ion 45.00 (44.70 to 45.70): VN052058.D (-494) (-)

3.42

500

400

300

200

100

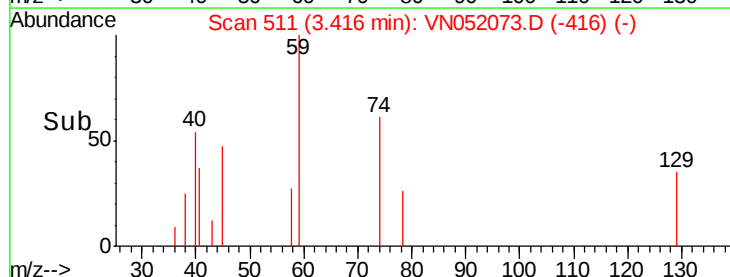
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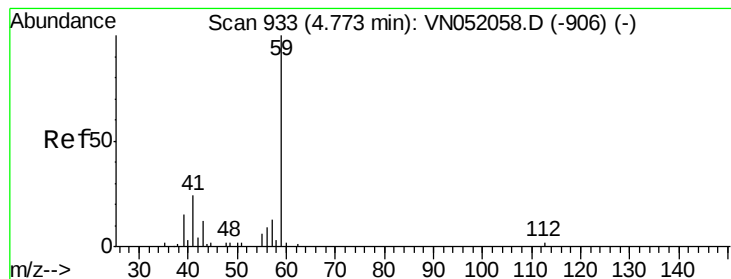
Time-->

3.40

3.42

3.44





#11

Tert butyl alcohol

Concen: 0.284 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.04 min

Lab File: VN052073.D

Acq: 31 Oct 2018 14:58

Instrument :

MSVOA_N

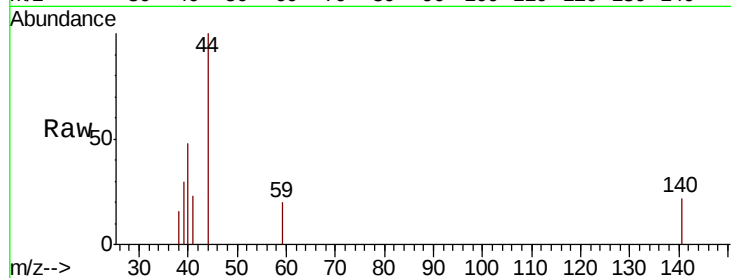
ClientSampled :

Tot Ion: 59 Resp: 68

Ion Ratio Lower Upper

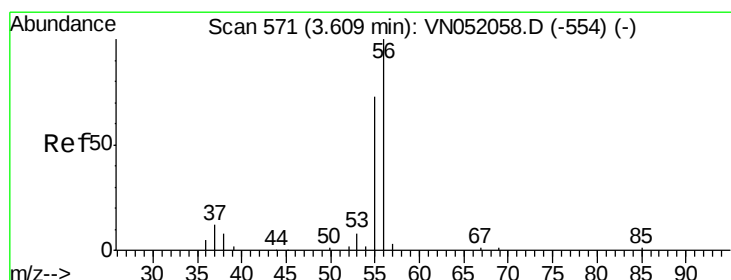
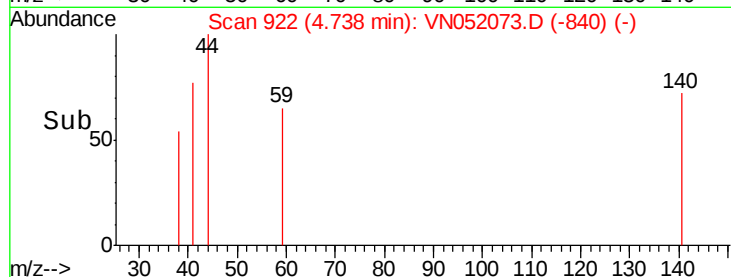
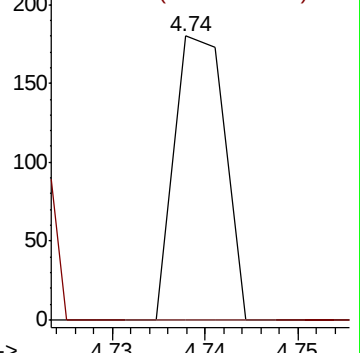
59 100

57 50.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 24.450 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.02 min

Lab File: VN052073.D

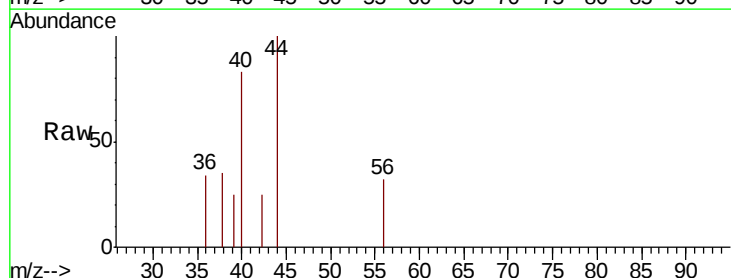
Acq: 31 Oct 2018 14:58

Tgt Ion: 56 Resp: 110

Ion Ratio Lower Upper

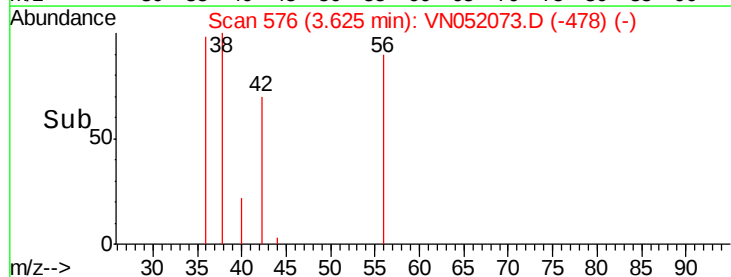
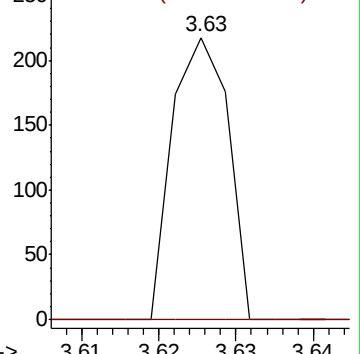
56 100

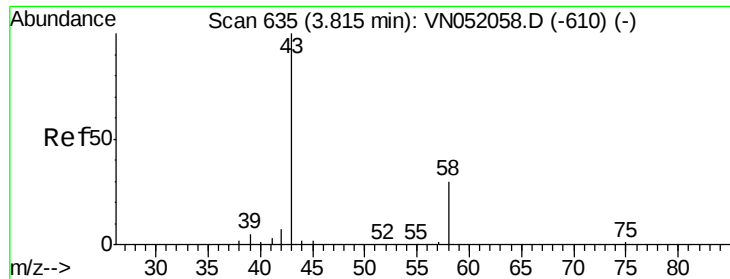
55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

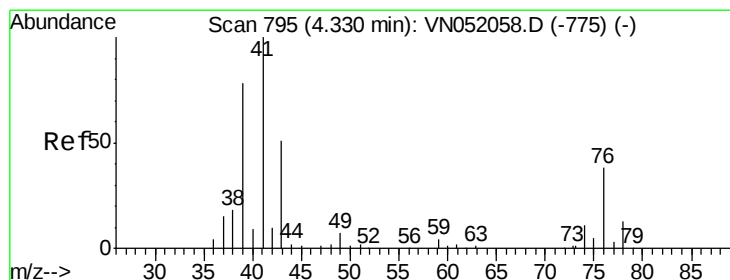
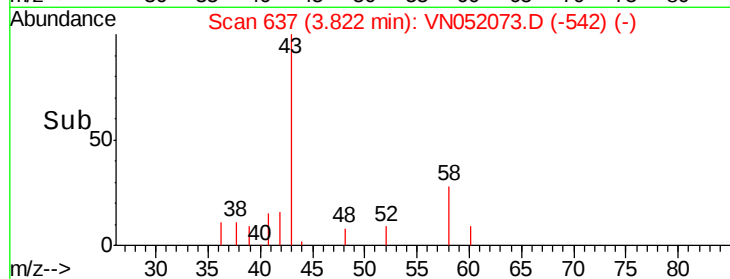
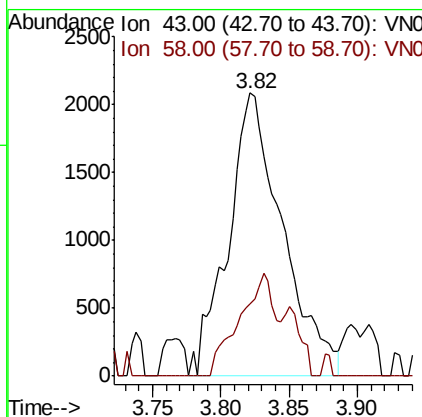
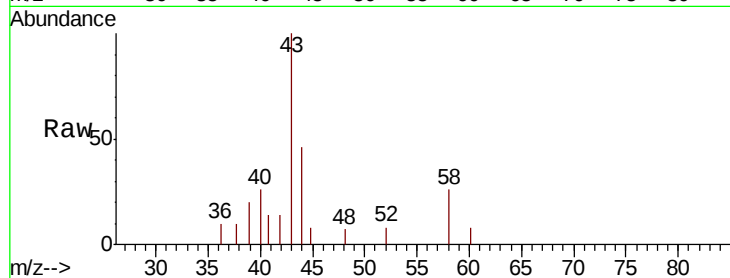




#16
 Acetone
 Concen: 5.660 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN052073.D
 Acq: 31 Oct 2018 14:58

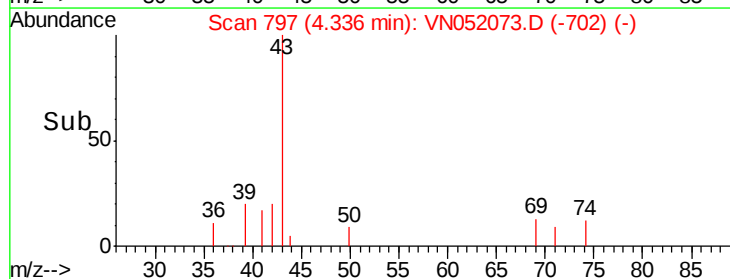
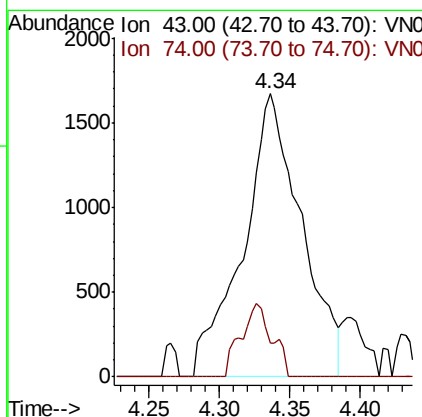
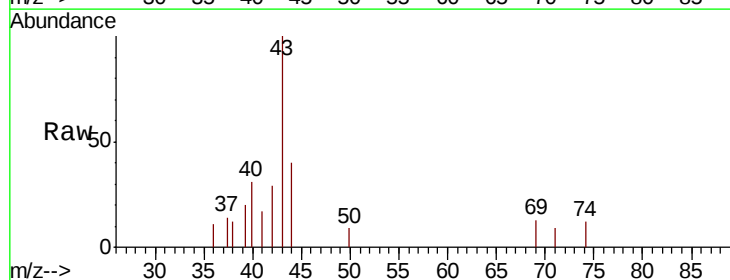
Instrument :
 MSVOA_N
 ClientSampleId :

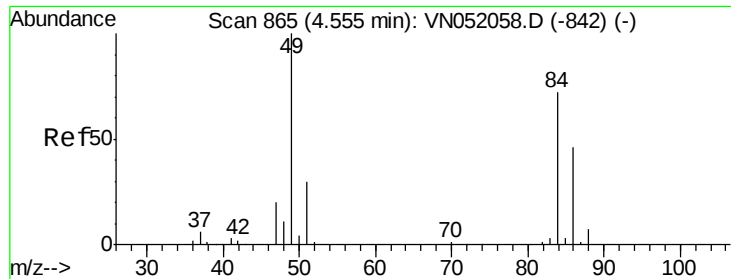
Tot Ion: 43 Resp: 5784
 Ion Ratio Lower Upper
 43 100
 58 25.6 24.2 36.2



#18
 Methyl Acetate
 Concen: 1.479 ug/l
 RT: 4.34 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: VN052073.D
 Acq: 31 Oct 2018 14:58

Tgt Ion: 43 Resp: 4812
 Ion Ratio Lower Upper
 43 100
 74 13.8 17.9 26.9#

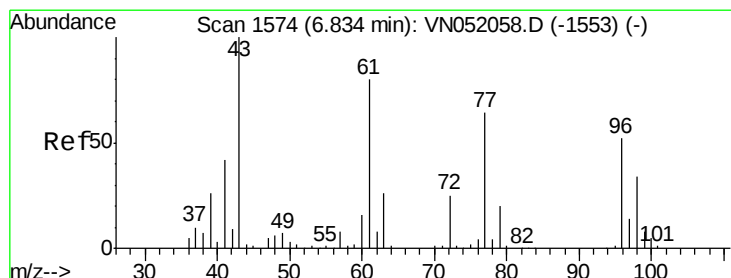
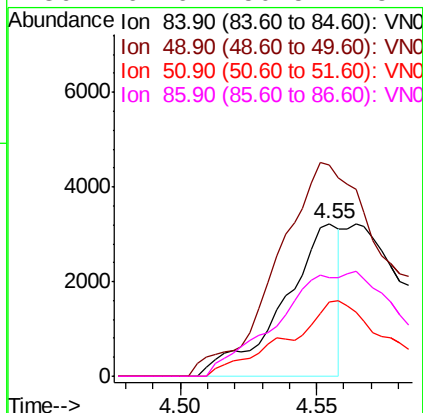
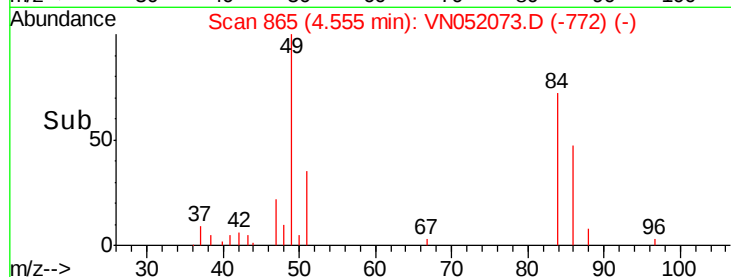
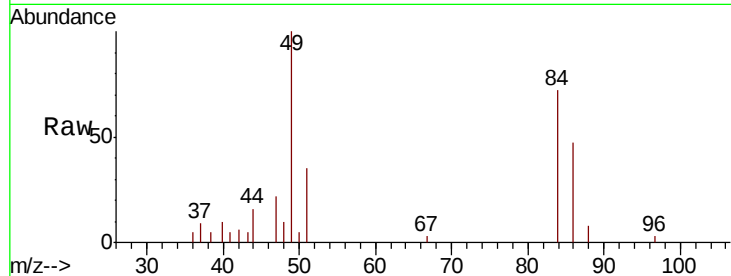




#20
Methvlene Chloride
Concen: 1.166 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

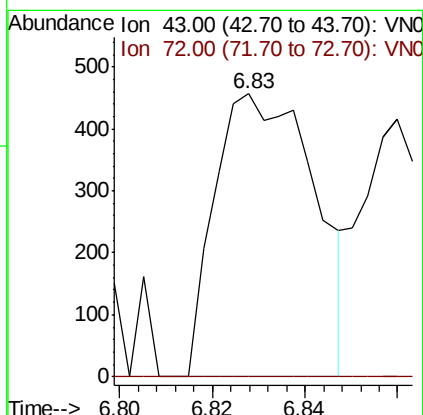
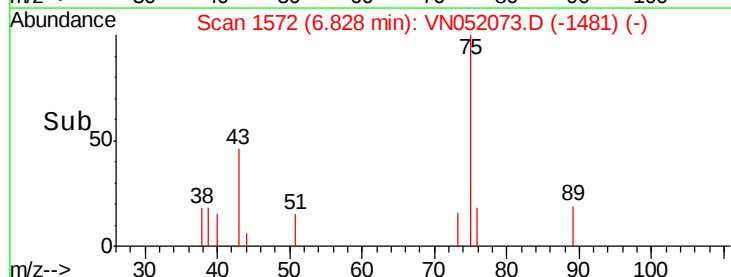
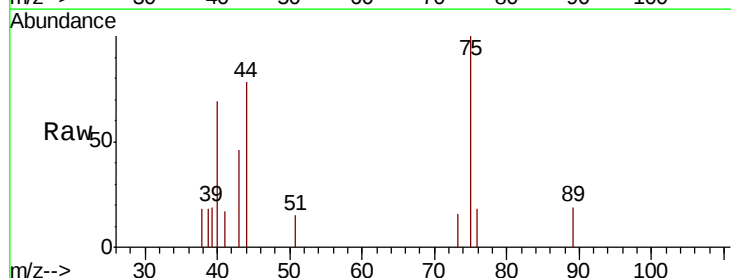
Instrument :
MSVOA_N
ClientSampled :

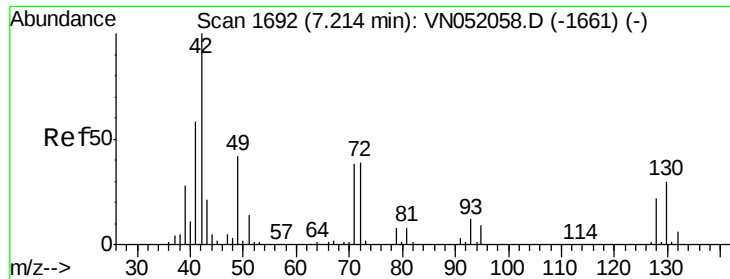
Tot Ion:	84	Resp:	4541
Ion	Ratio	Lower	Upper
84	100		
49	138.5	110.6	165.8
51	48.2	33.7	50.5
86	64.6	50.5	75.7



#25
2-Butanone
Concen: 0.426 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

Tgt Ion:	43	Resp:	682
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.2	30.2#

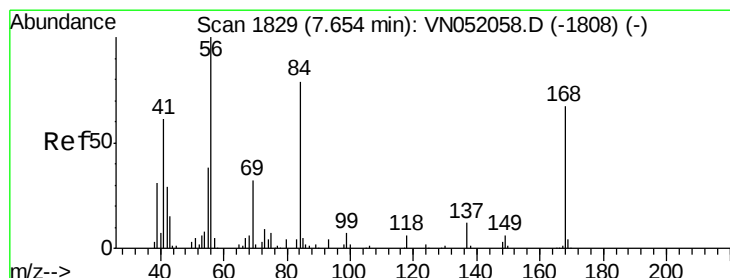
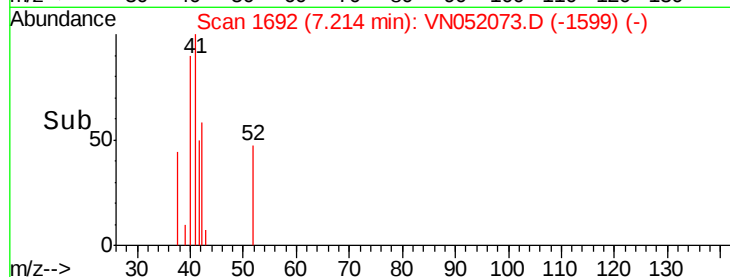
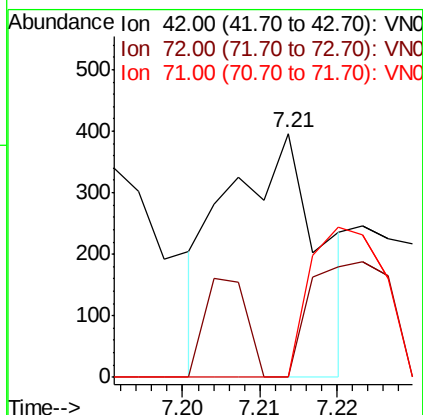
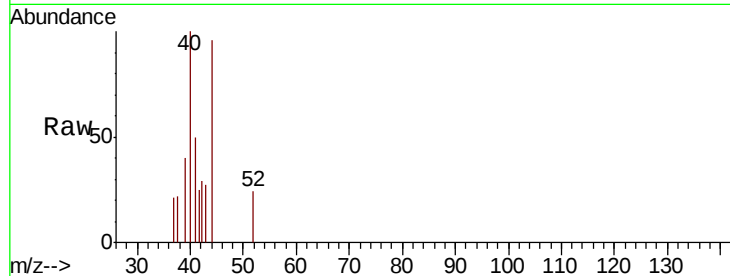




#29
Tetrahydrofuran
Concen: 0.313 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

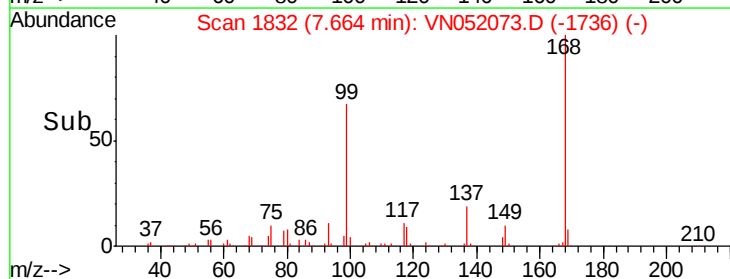
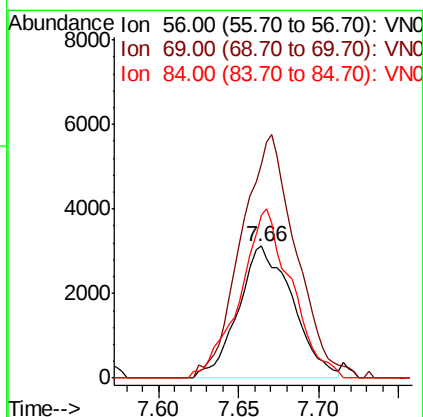
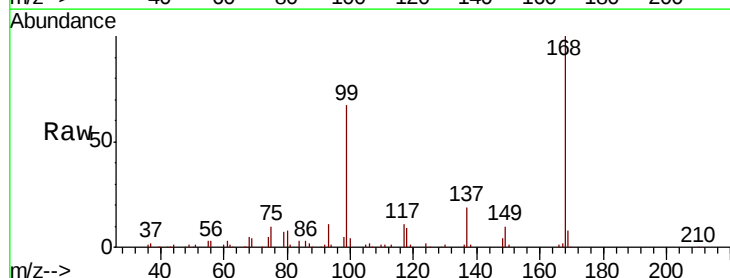
Instrument :
MSVOA_N
ClientSampled :

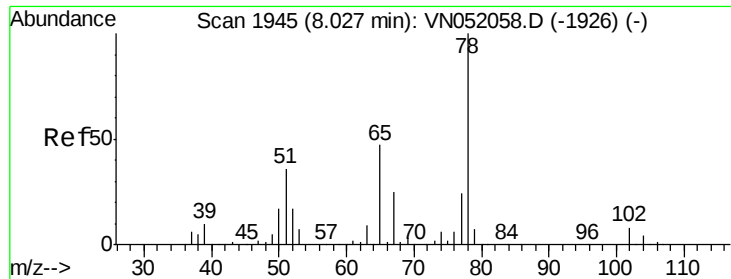
Tot Ion: 42 Resp: 334
Ion Ratio Lower Upper
42 100
72 40.1 32.5 48.7
71 48.2 30.6 46.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

Tgt Ion: 56 Resp: 7296
Ion Ratio Lower Upper
56 100
69 162.5 25.8 38.6#
84 123.2 63.5 95.3#

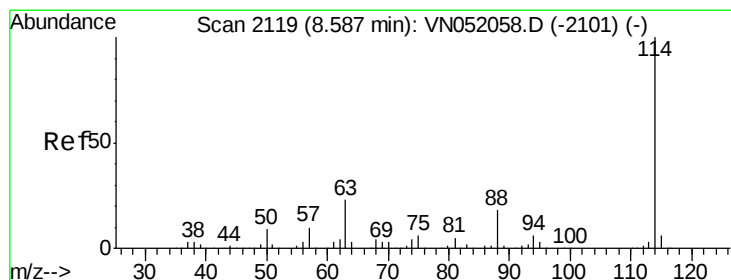
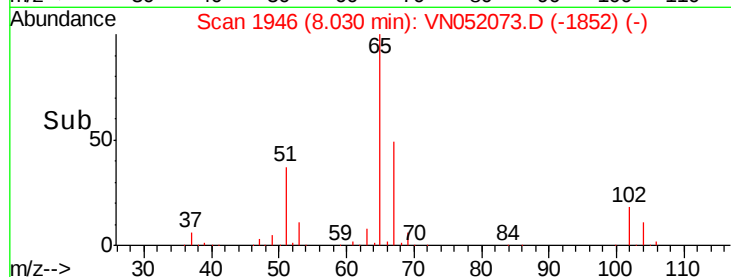
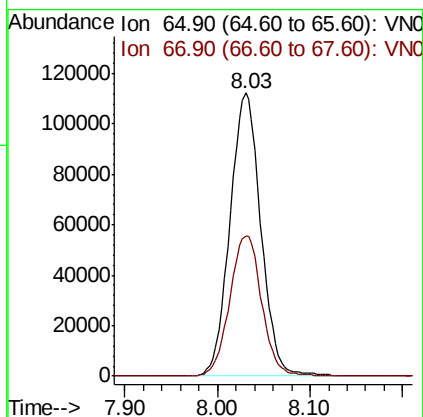
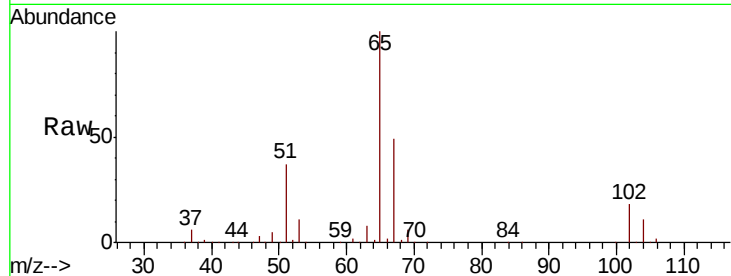




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052073.D
 Acq: 31 Oct 2018 14:58

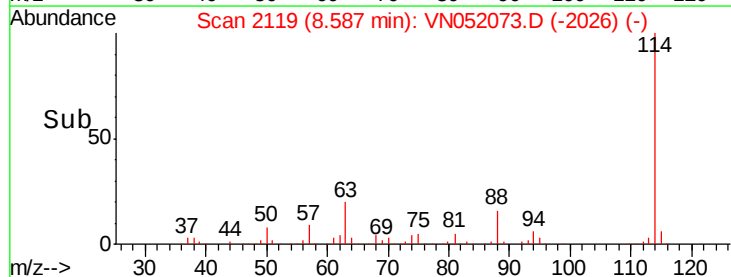
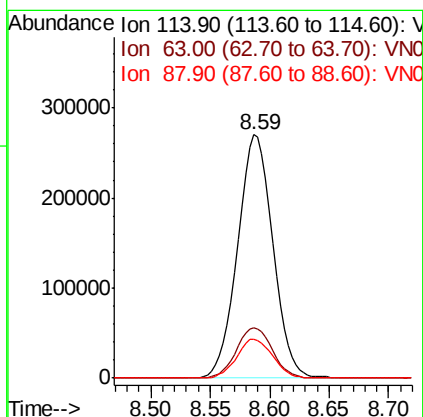
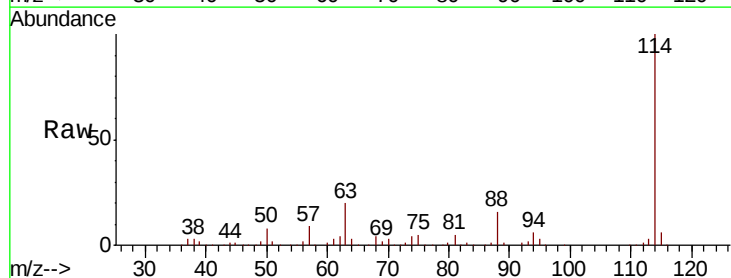
Instrument :
 MSVOA_N
 ClientSampleId :

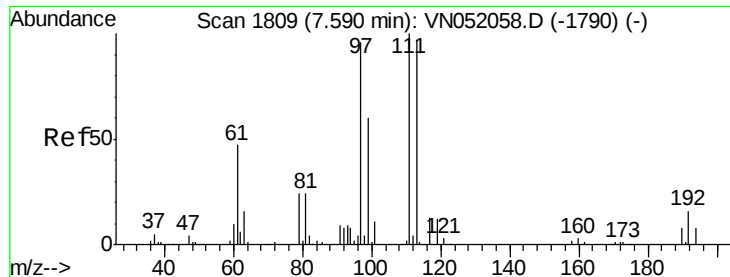
Tot Ion: 65 Resp: 259028
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052073.D
 Acq: 31 Oct 2018 14:58

Tgt Ion: 114 Resp: 555287
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 46.0
 88 16.2 0.0 35.4

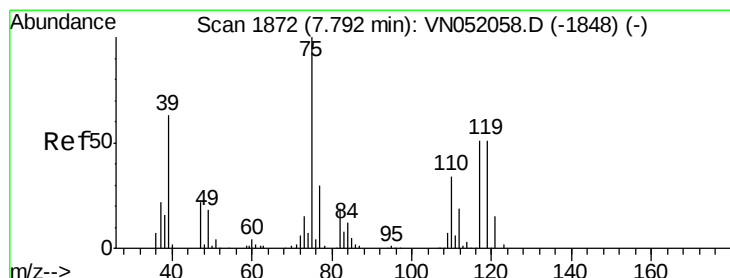
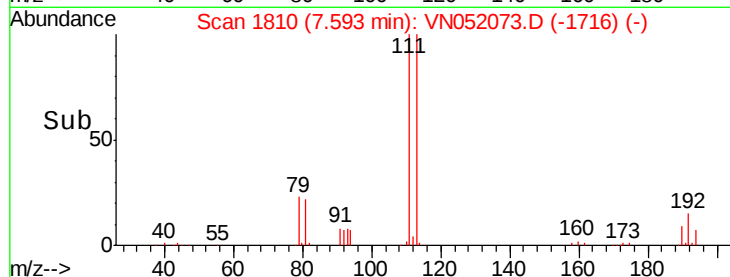
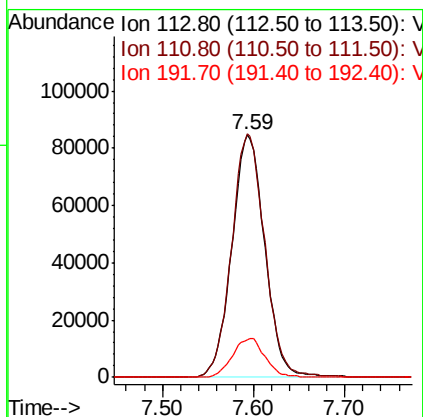
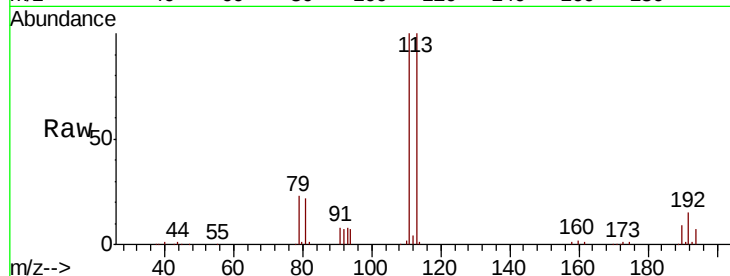




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

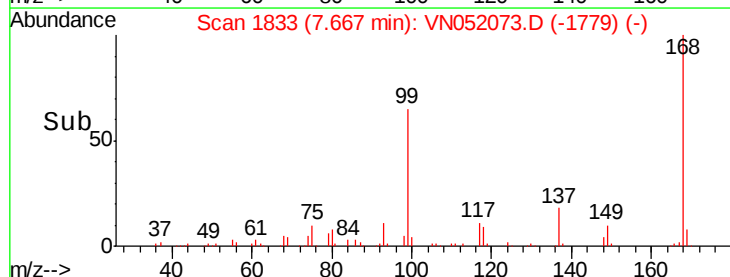
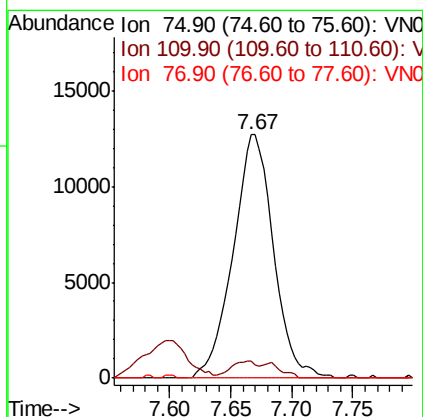
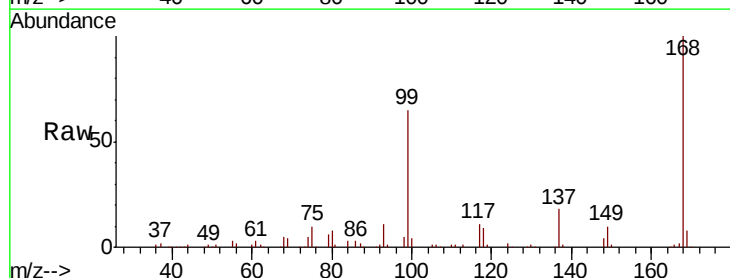
Instrument :
MSVOA_N
ClientSampleId :

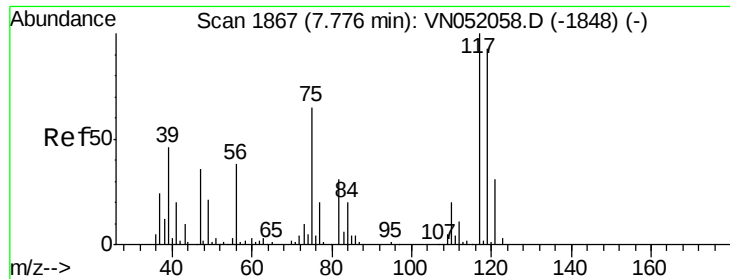
Tot Ion:113 Resp: 212502
Ion Ratio Lower Upper
113 100
111 101.6 83.1 124.7
192 16.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.150 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

Tgt Ion: 75 Resp: 29076
Ion Ratio Lower Upper
75 100
110 3.6 16.0 48.0#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.705 ug/l

RT: 7.67 min Scan# 1835

Delta R.T. -0.10 min

Lab File: VN052073.D

Acq: 31 Oct 2018 14:58

Instrument :

MSVOA_N

ClientSampleId :

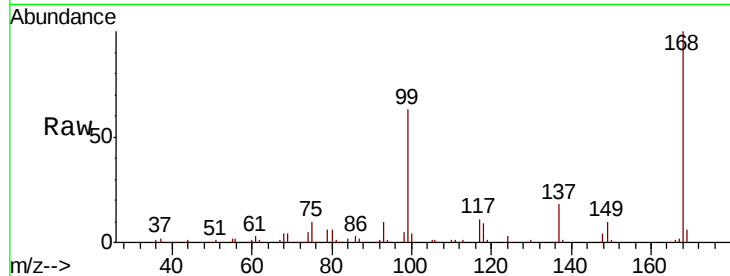
Tot Ion:117 Resp: 32643

Ion Ratio Lower Upper

117 100

119 6.4 74.8 112.2#

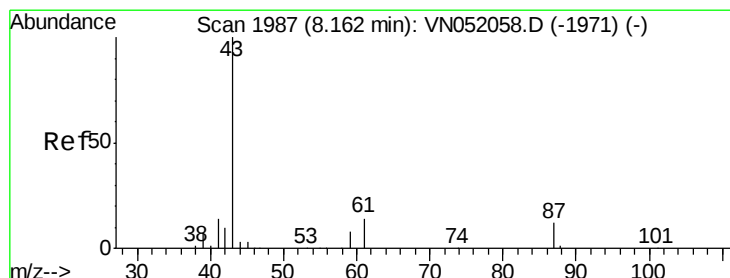
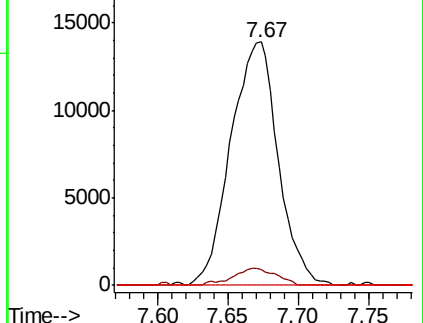
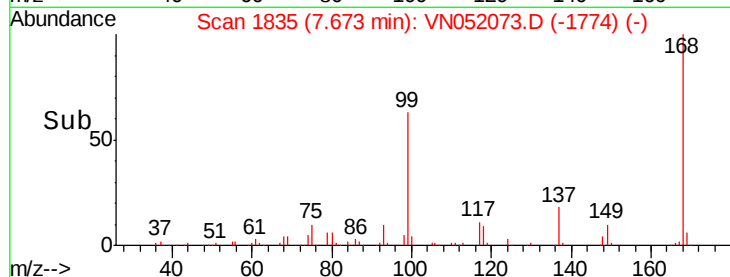
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 25.260 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052073.D

Acq: 31 Oct 2018 14:58

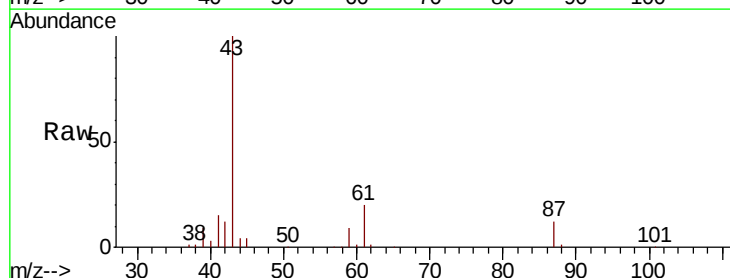
Tgt Ion: 43 Resp: 169791

Ion Ratio Lower Upper

43 100

61 19.4 15.4 23.0

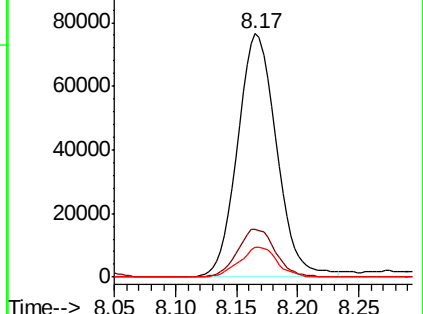
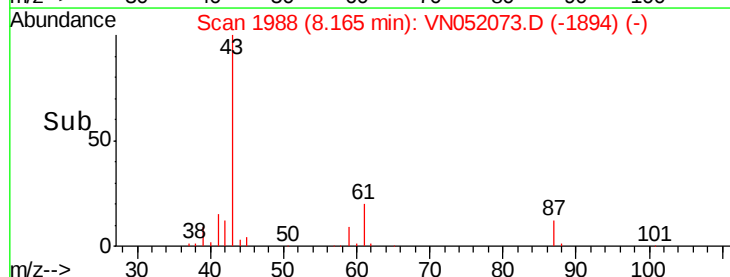
87 11.8 9.8 14.8

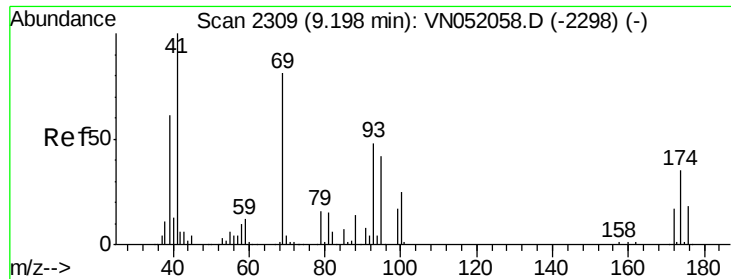


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

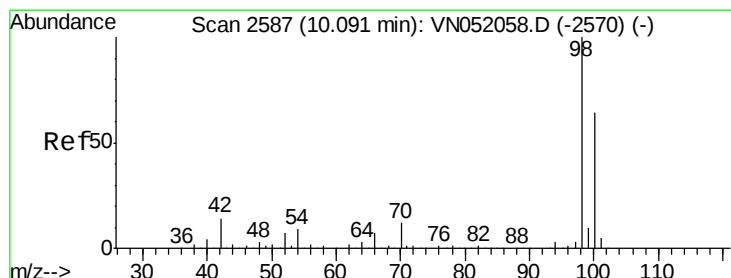
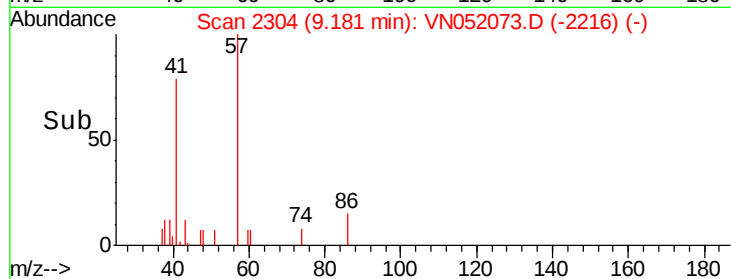
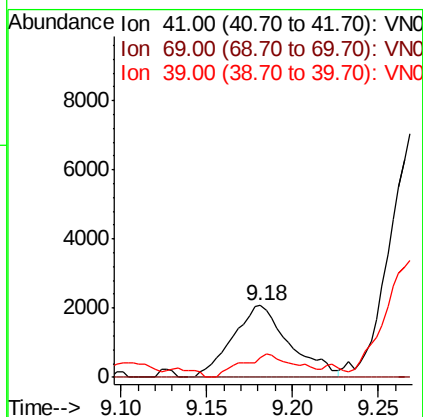
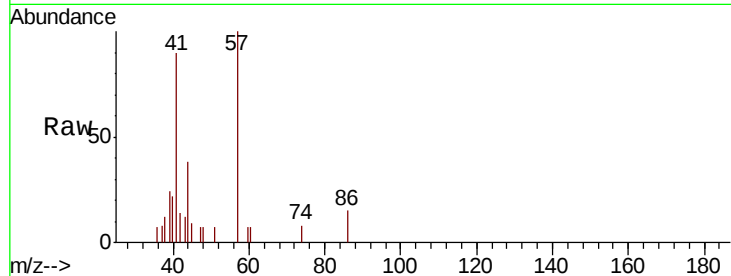




#48
Methvl methacrylate
Concen: 1.403 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

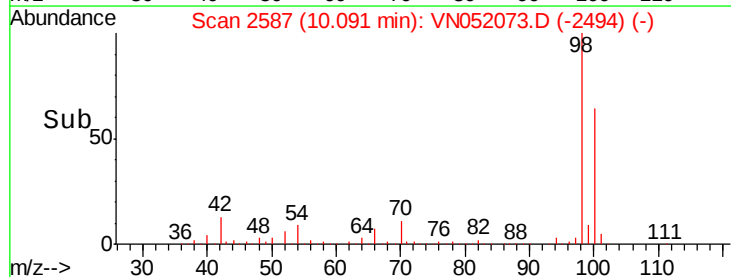
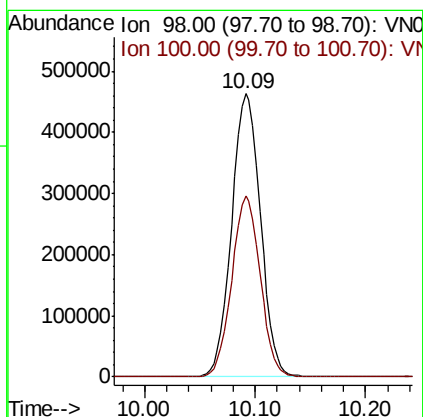
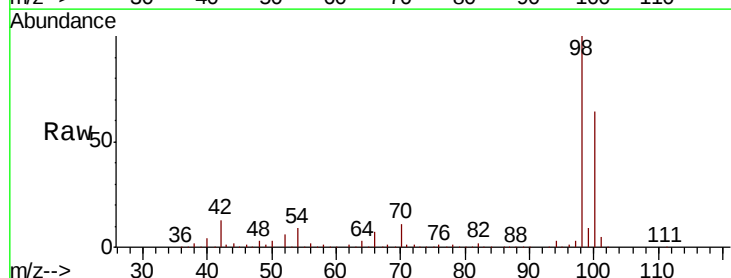
Instrument :
MSVOA_N
ClientSampleId :

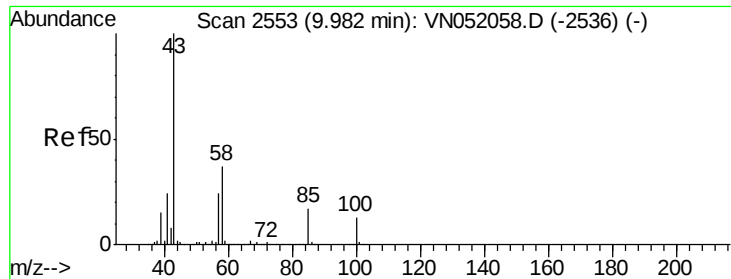
Tot Ion: 41 Resp: 4780
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 29.2 50.5 75.7#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

Tgt Ion: 98 Resp: 840585
Ion Ratio Lower Upper
98 100
100 63.0 51.4 77.2

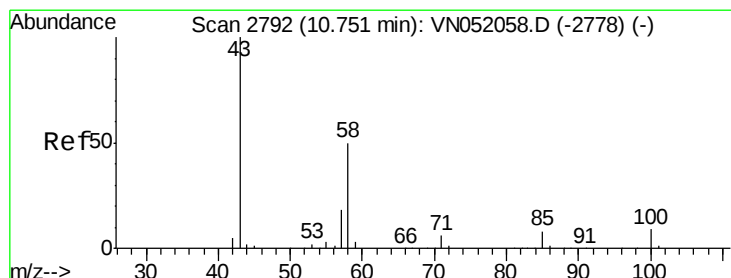
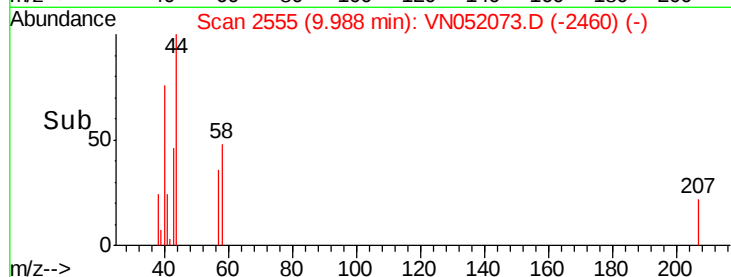
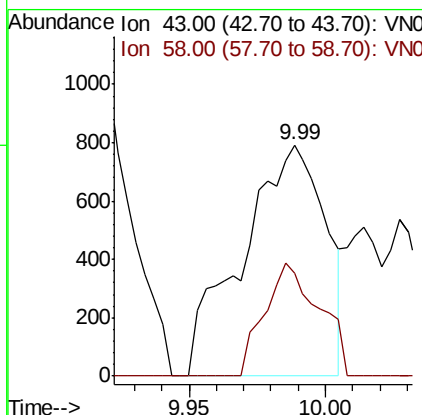
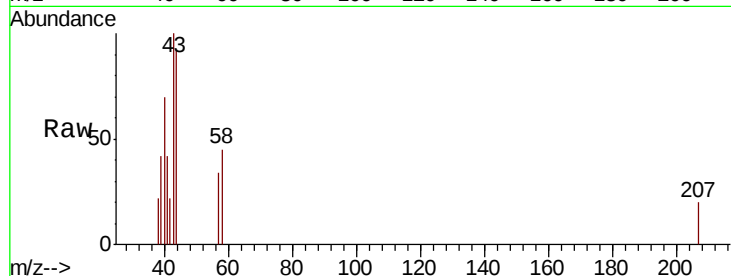




#51
4-Methyl-2-Pentanone
Concen: 0.460 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.01 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

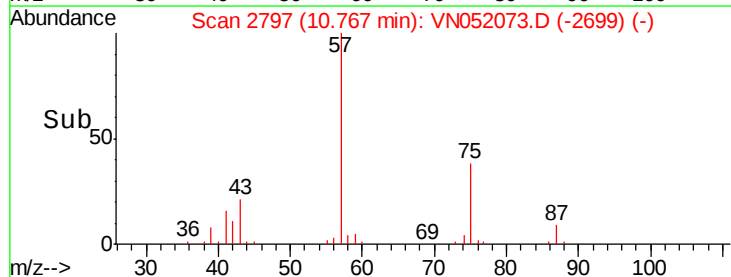
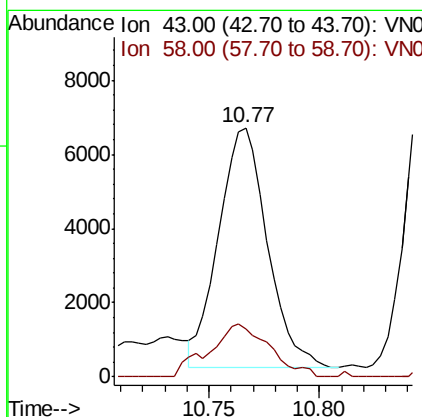
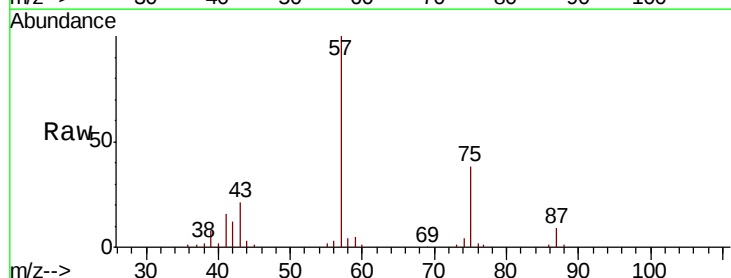
Instrument :
MSVOA_N
ClientSampleId :

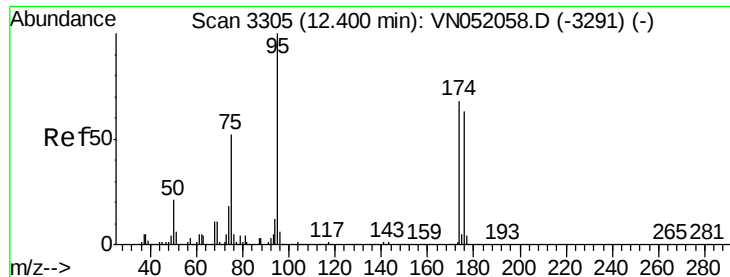
Tot Ion: 43 Resp: 1679
Ion Ratio Lower Upper
43 100
58 32.0 29.7 44.5



#59
2-Hexanone
Concen: 3.826 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

Tgt Ion: 43 Resp: 9960
Ion Ratio Lower Upper
43 100
58 27.0 25.2 75.6

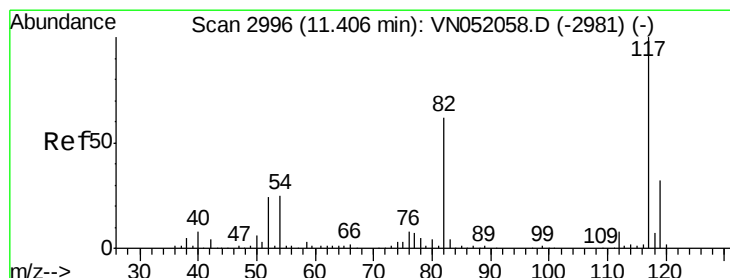
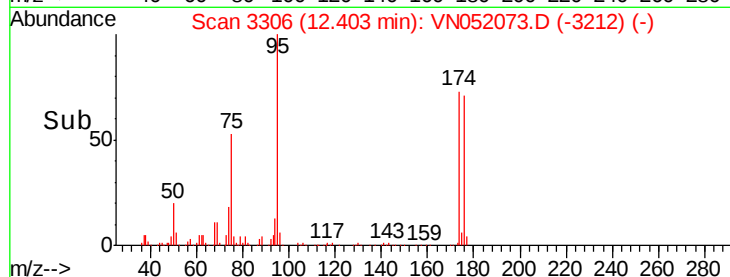
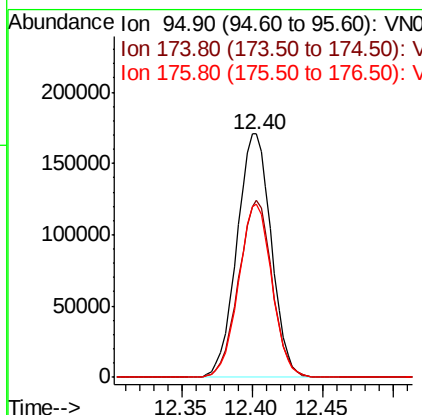
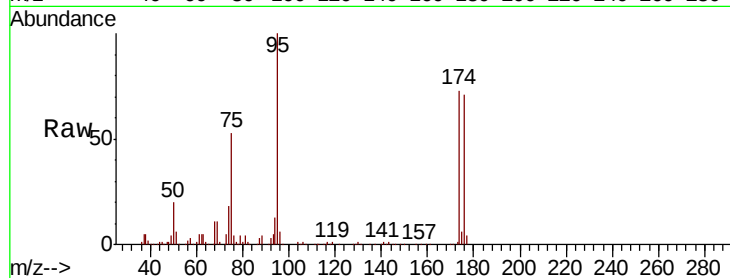




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

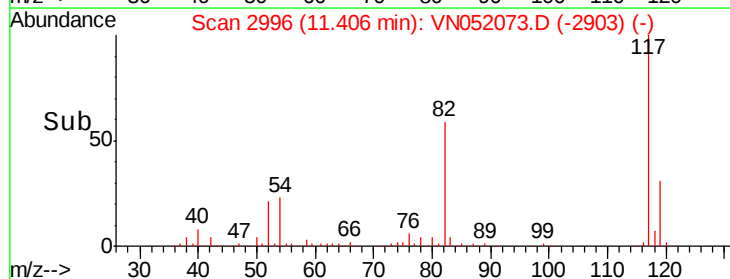
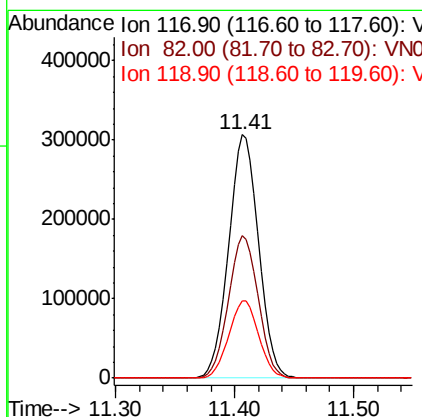
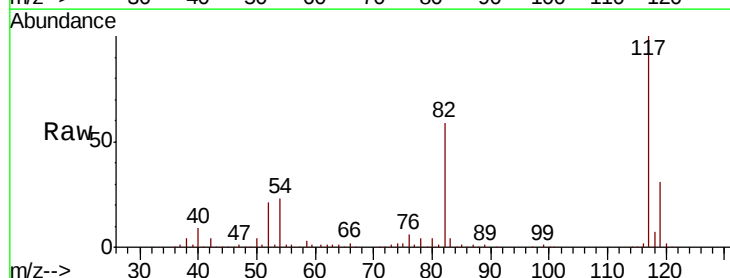
Instrument :
MSVOA_N
ClientSampled :

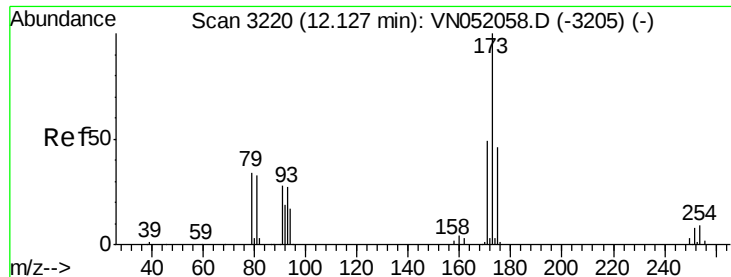
Tot Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	131.8
176	68.7	0.0	126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.6	49.9	74.9
119	31.5	25.7	38.5

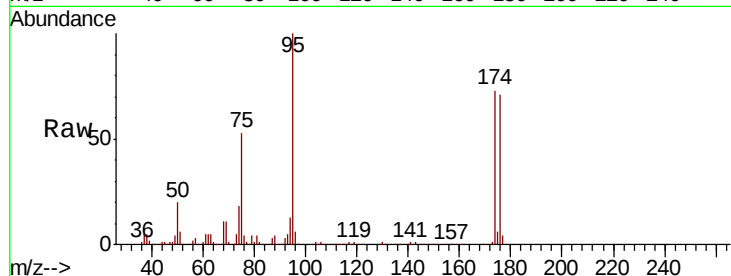




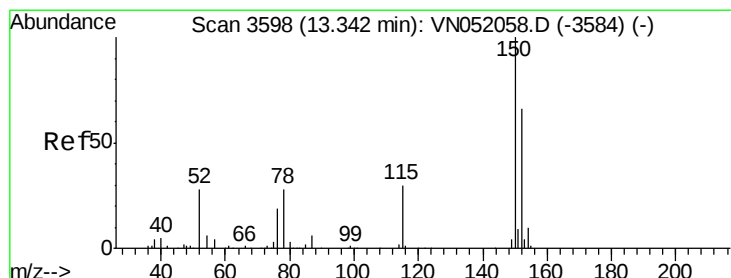
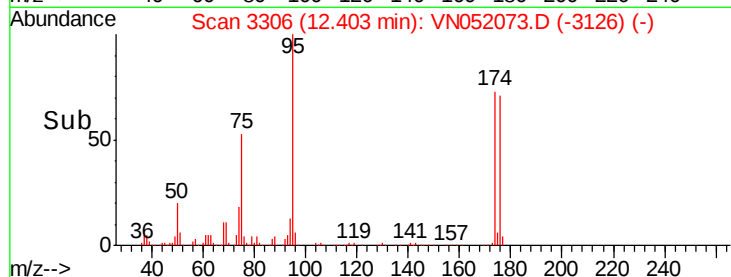
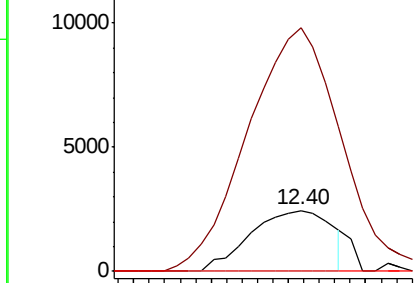
#71
Bromoform
Concen: 3.687 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 3578
Ion Ratio Lower Upper
173 100
175 403.3 23.9 71.7#
254 0.0 0.0 0.0

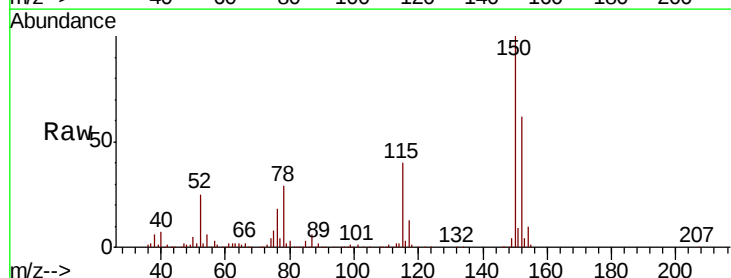


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

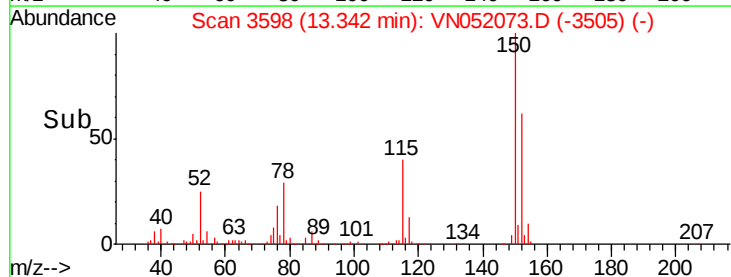
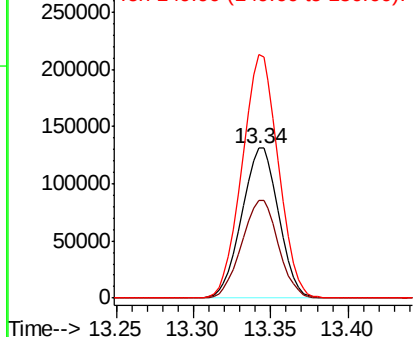


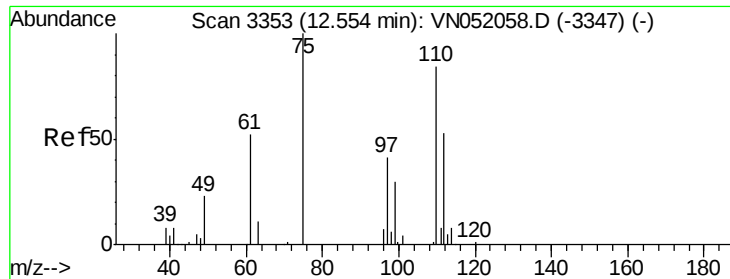
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052073.D
Acq: 31 Oct 2018 14:58

Tgt Ion:152 Resp: 218011
Ion Ratio Lower Upper
152 100
115 64.7 31.6 95.0
150 159.4 0.0 345.0



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





#76

1,2,3-Trichloropropane

Concen: 38.995 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052073.D

Acq: 31 Oct 2018 14:58

Instrument :

MSVOA_N

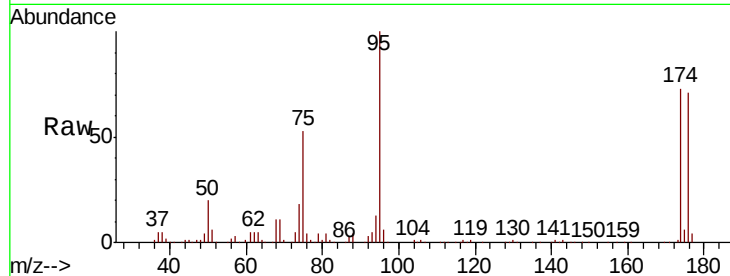
ClientSampled :

Tot Ion: 75 Resp: 155622

Ion Ratio Lower Upper

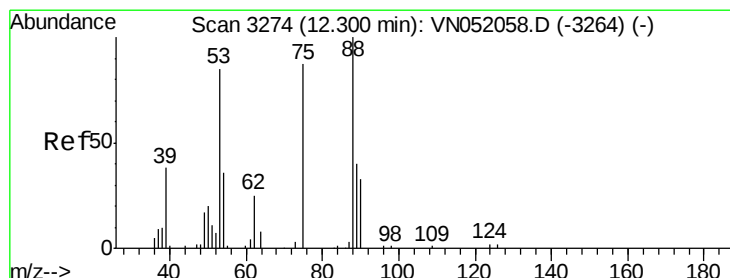
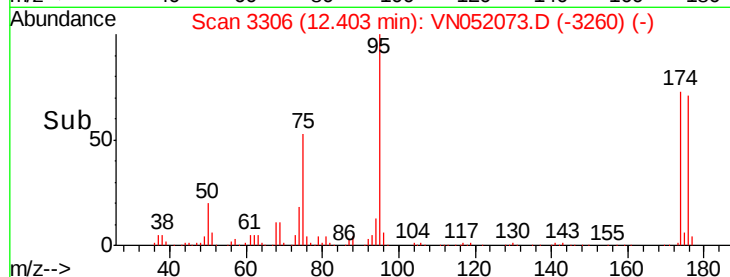
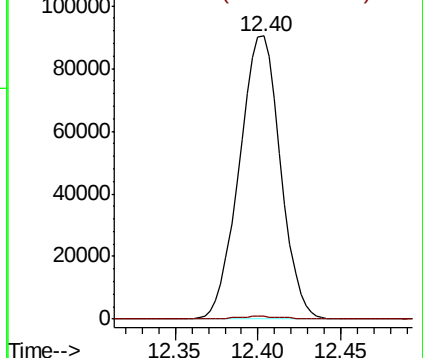
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 129.432 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052073.D

Acq: 31 Oct 2018 14:58

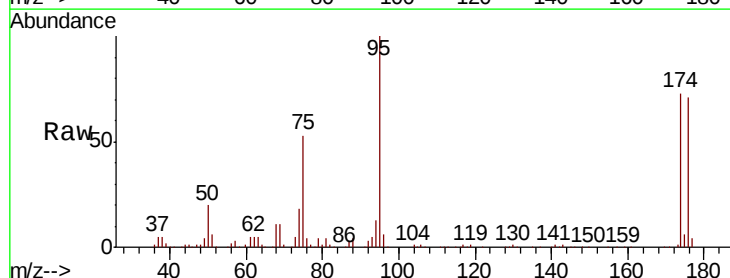
Tgt Ion: 75 Resp: 155622

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.6#

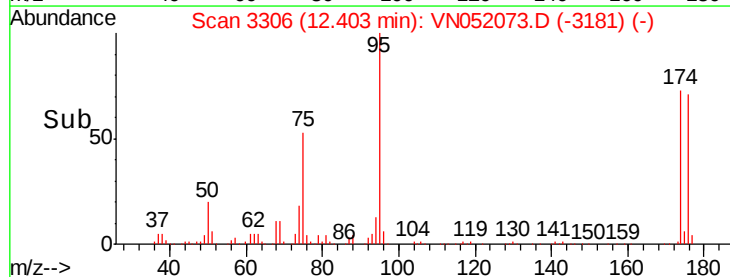
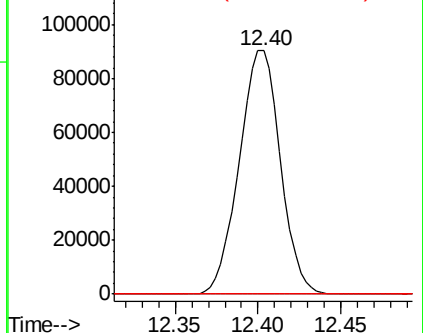
89 0.0 36.6 54.8#

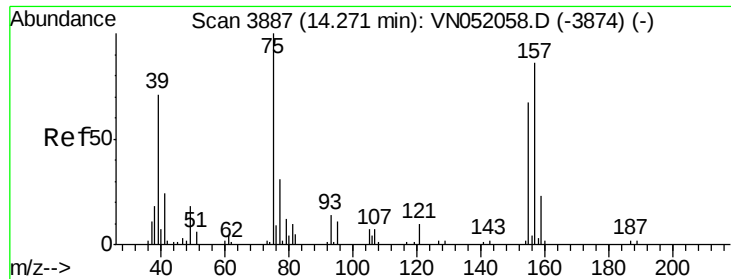


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.972 ug/l

RT: 14.24 min Scan# 3877

Delta R.T. -0.03 min

Lab File: VN052073.D

Acq: 31 Oct 2018 14:58

Instrument :

MSVOA_N

ClientSampleId :

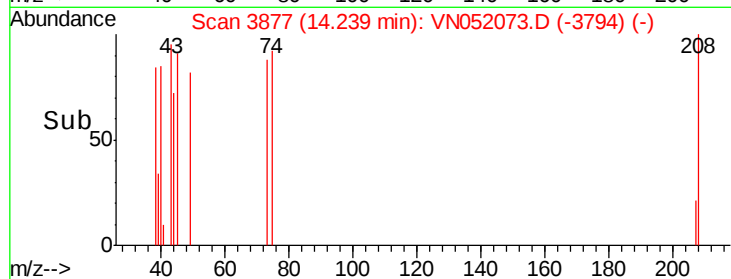
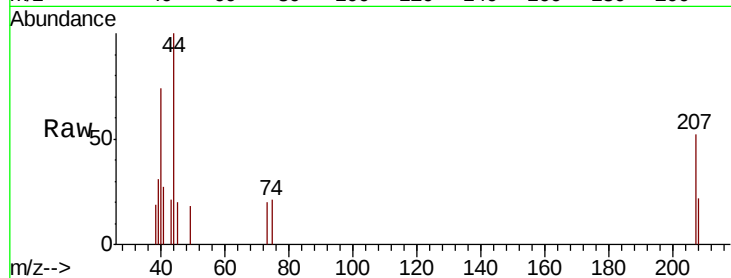
Tot Ion: 75 Resp: 35

Ion Ratio Lower Upper

75 100

155 0.0 34.0 102.0#

157 0.0 42.1 126.4#



Abundance Ion 74.90 (74.60 to 75.60): VN052073.D (-3794) (-)

Ion 154.80 (154.50 to 155.50): VN052073.D (-3794) (-)

Ion 156.80 (156.50 to 157.50): VN052073.D (-3794) (-)

