

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053081.D
 Acq On : 21 Dec 2018 3:02
 Operator : MD\SY
 Sample : J6519-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 07:10:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1307848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2014021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1846206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	787556	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	643420	48.48	ug/l	0.00
Spiked Amount						
			Recovery	=	96.96%	
35) Dibromofluoromethane	7.59	113	576576	62.67	ug/l	0.00
Spiked Amount						
			Recovery	=	125.34%	
50) Toluene-d8	10.09	98	2462082	49.85	ug/l	0.00
Spiked Amount						
			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	849514	49.00	ug/l	0.00
Spiked Amount						
			Recovery	=	98.00%	

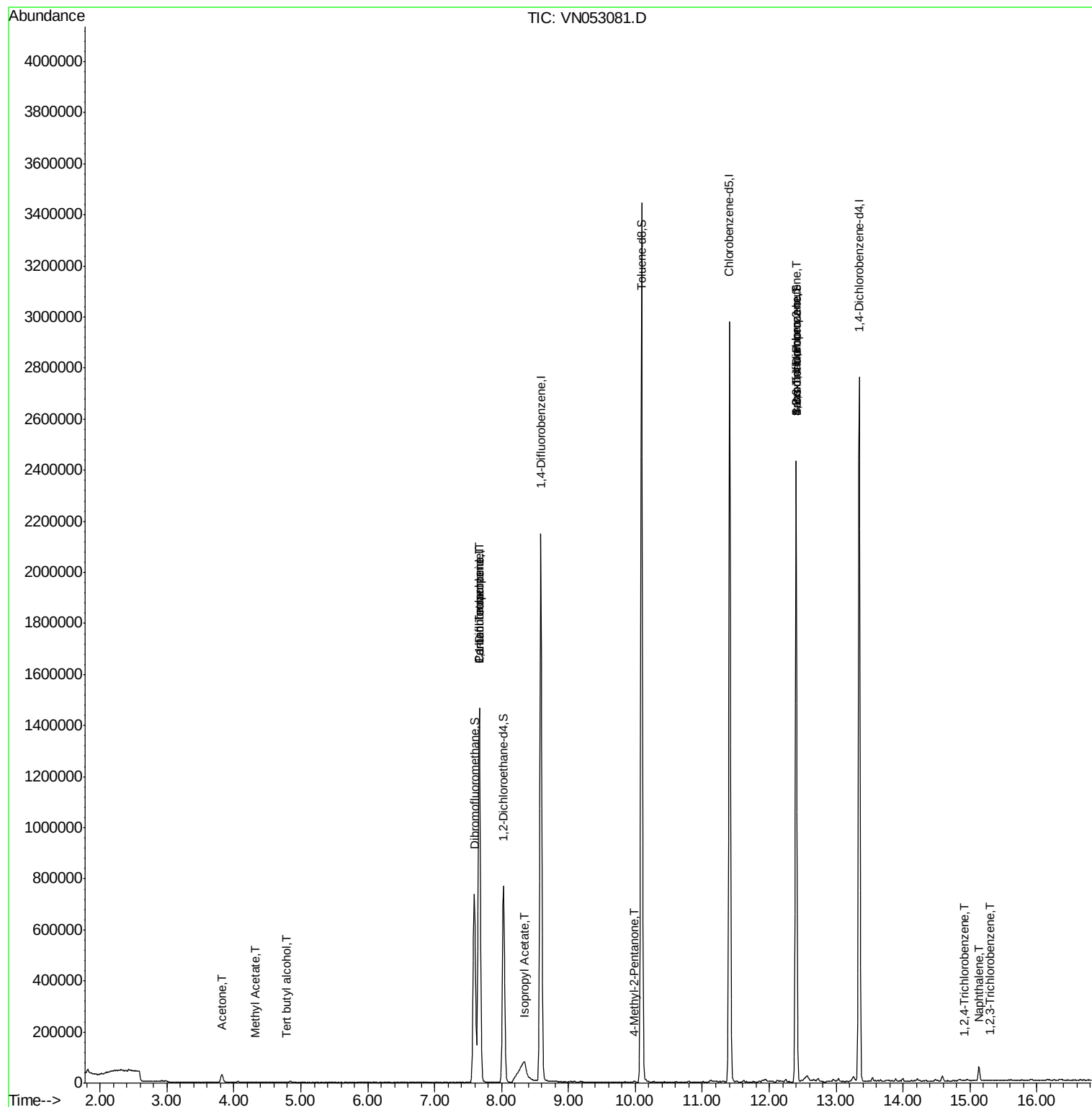
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	246	0.304	ug/l #	74
16) Acetone	3.82	43	52945	20.346	ug/l	96
18) Methyl Acetate	4.33	43	1416	1.109	ug/l	97
31) Cyclohexane	7.67	56	20602	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	85658	4.431	ug/l #	48
38) Carbon Tetrachloride	7.67	117	112065	6.325	ug/l #	16
43) Isopropyl Acetate	8.34	43	221889	9.785	ug/l #	53
51) 4-Methyl-2-Pentanone	9.98	43	3954	0.378	ug/l #	83
71) Bromoform	12.40	173	5141	0.500	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	395503	29.832	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	395503	96.152	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.92	180	373	0.622	ug/l #	1
95) Naphthalene	15.13	128	48584	2.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	189	0.523	ug/l #	1

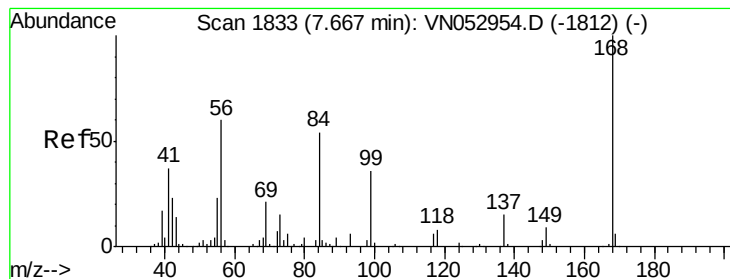
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053081.D

Acq: 21 Dec 2018 3:02

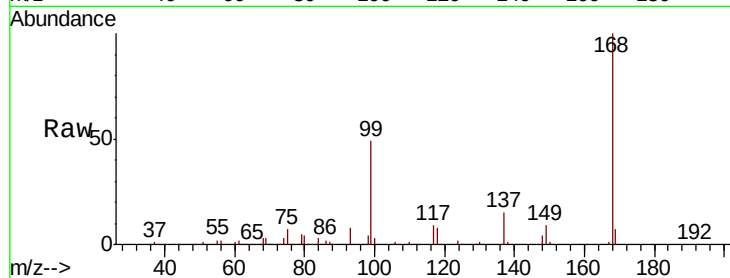
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1307848

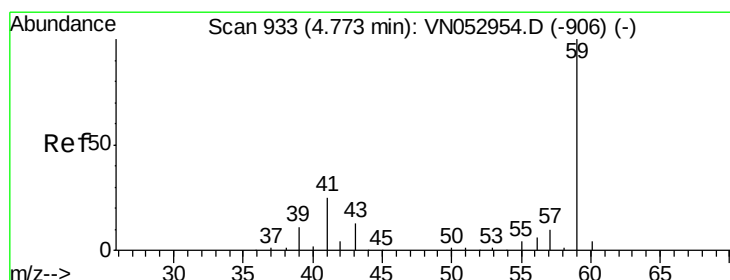
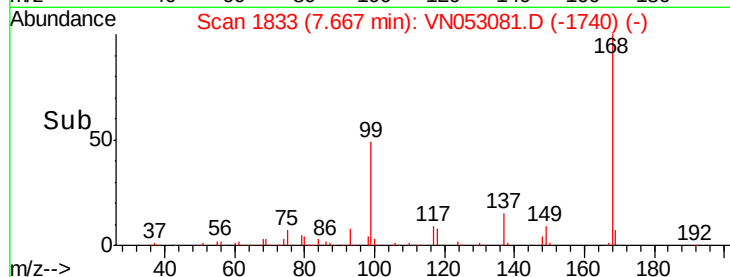
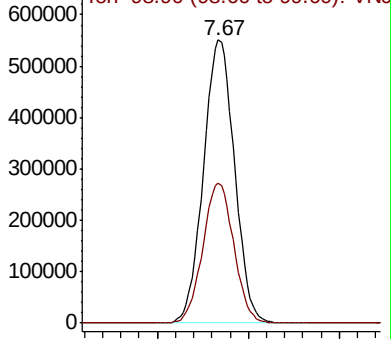
Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053081.D (-1740) (-)



#11

Tert butyl alcohol

Concen: 0.304 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN053081.D

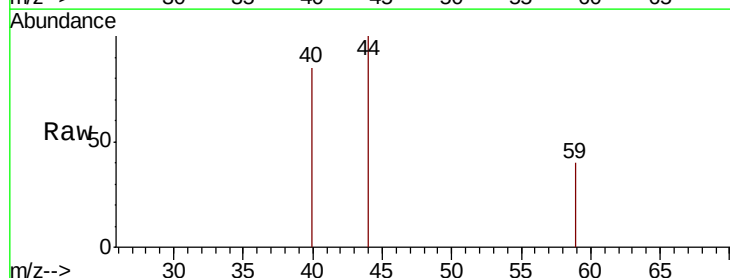
Acq: 21 Dec 2018 3:02

Tgt Ion: 59 Resp: 246

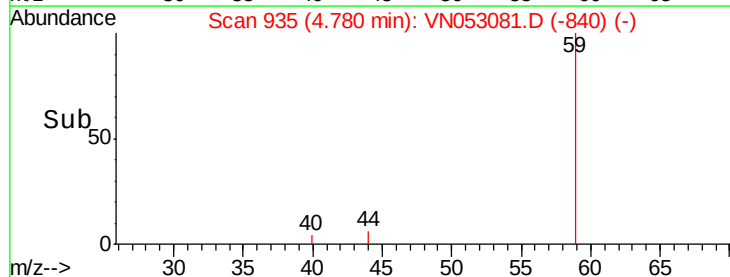
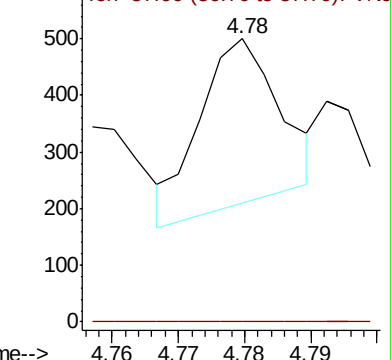
Ion Ratio Lower Upper

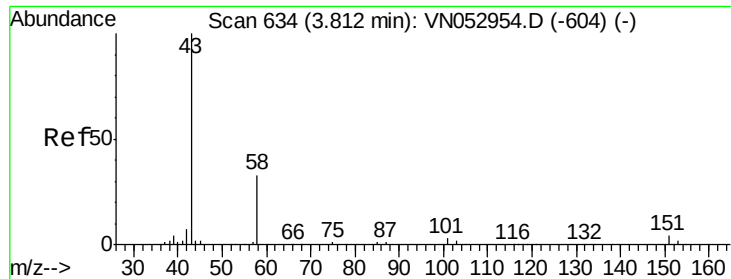
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN053081.D (-840) (-)





#16

Acetone

Concen: 20.346 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053081.D

Acq: 21 Dec 2018 3:02

Instrument :

MSVOA_N

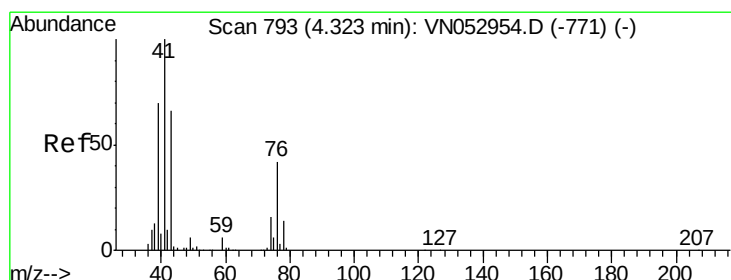
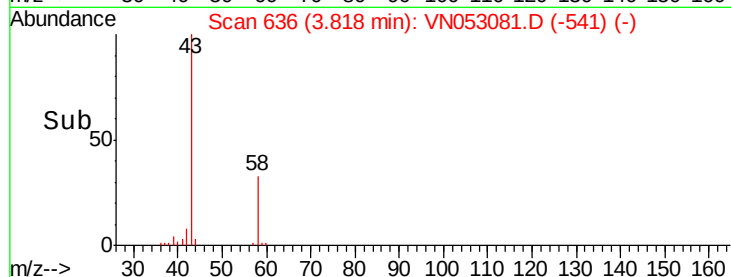
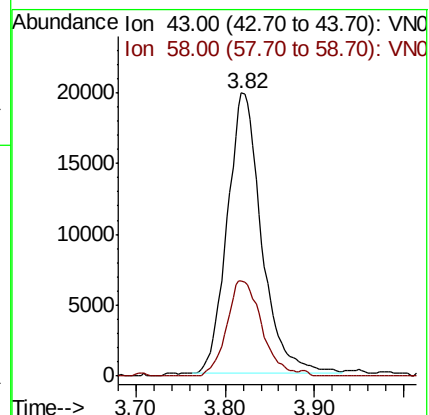
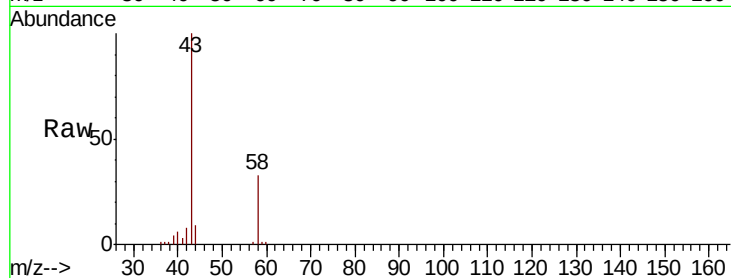
ClientSampled :

Tot Ion: 43 Resp: 52945

Ion Ratio Lower Upper

43 100

58 33.8 25.4 38.0



#18

Methyl Acetate

Concen: 1.109 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053081.D

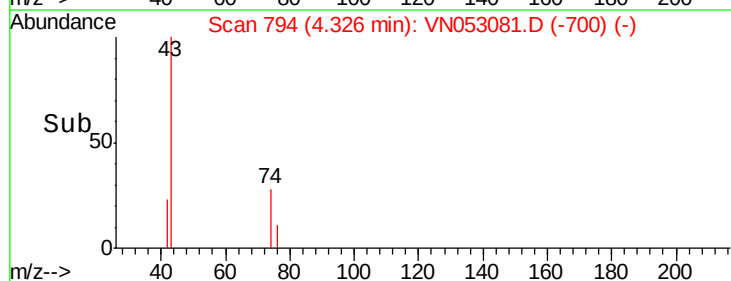
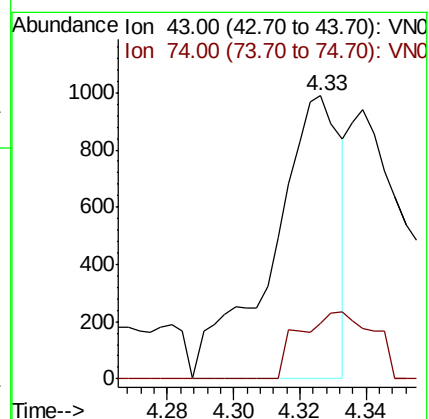
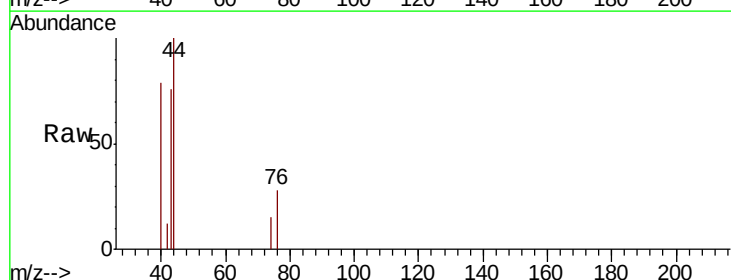
Acq: 21 Dec 2018 3:02

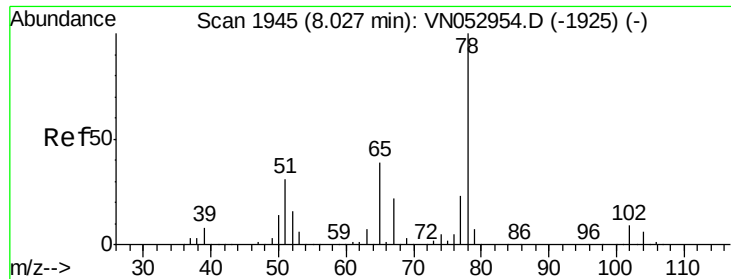
Tgt Ion: 43 Resp: 1416

Ion Ratio Lower Upper

43 100

74 25.6 19.2 28.8

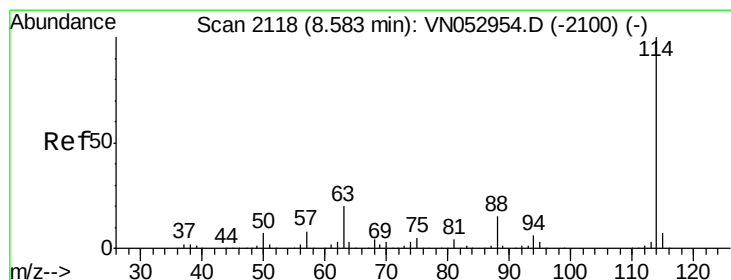
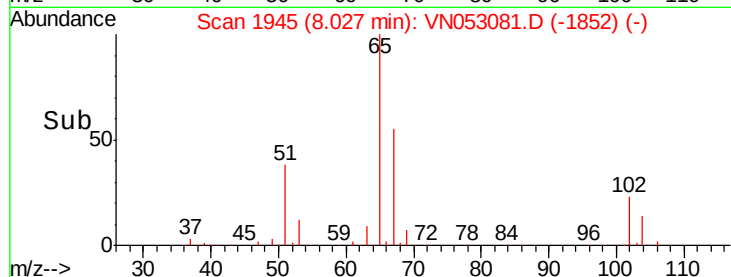
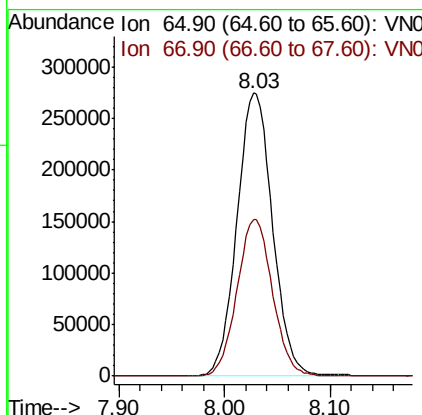
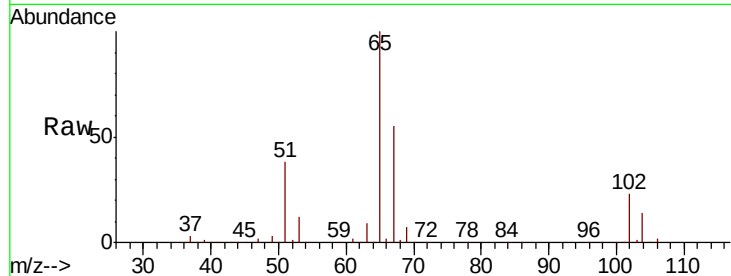




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053081.D
 Acq: 21 Dec 2018 3:02

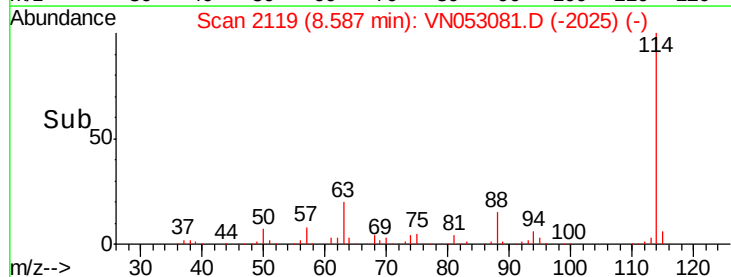
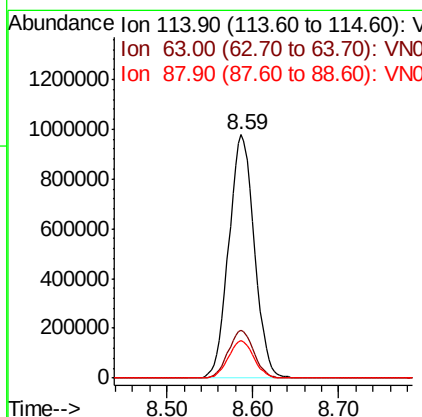
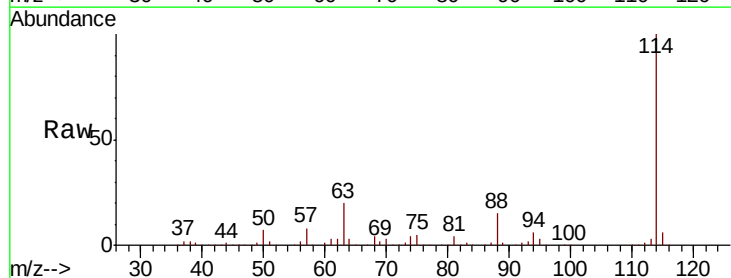
Instrument :
 MSVOA_N
 ClientSampleId :

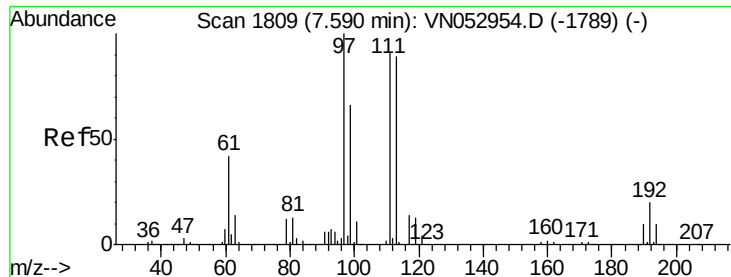
Tot Ion: 65 Resp: 643420
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053081.D
 Acq: 21 Dec 2018 3:02

Tgt Ion: 114 Resp: 2014021
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0

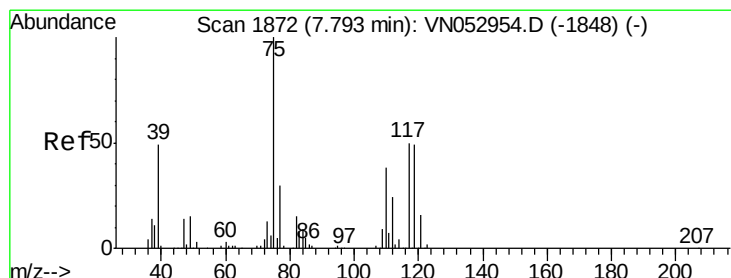
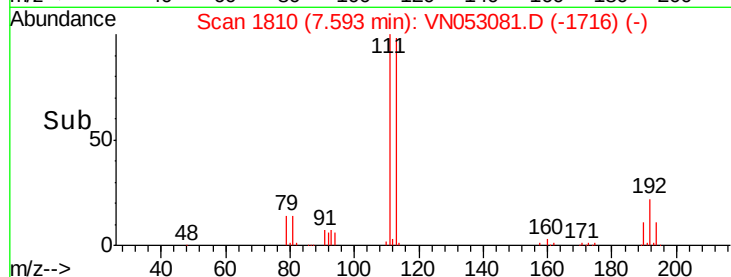
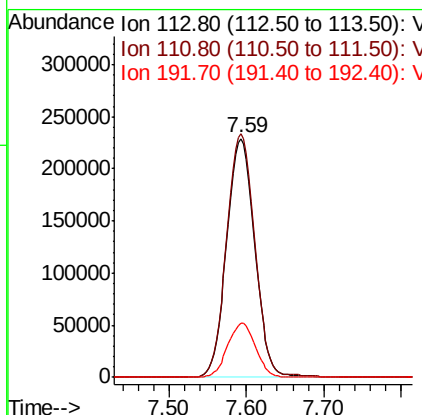
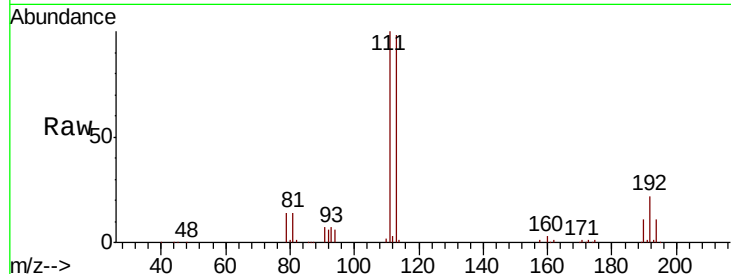




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053081.D
 Acq: 21 Dec 2018 3:02

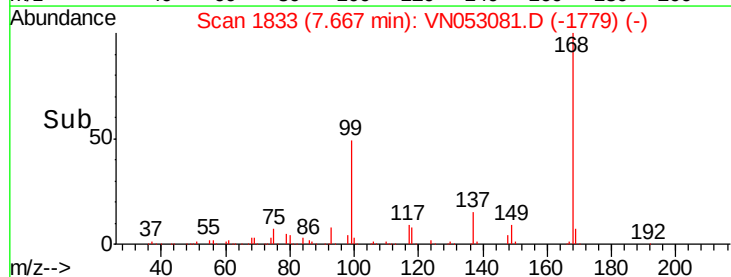
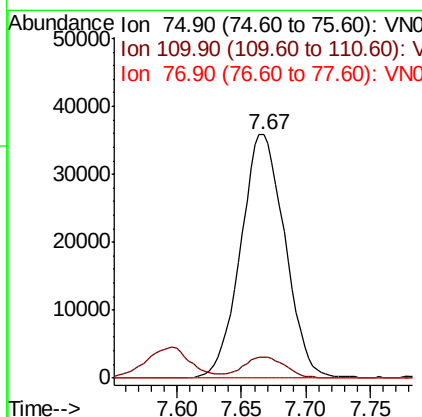
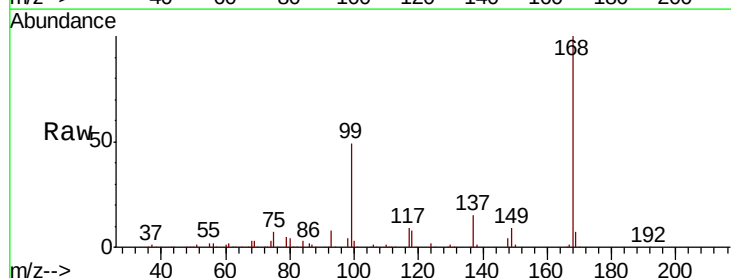
Instrument :
 MSVOA_N
 ClientSampleId :

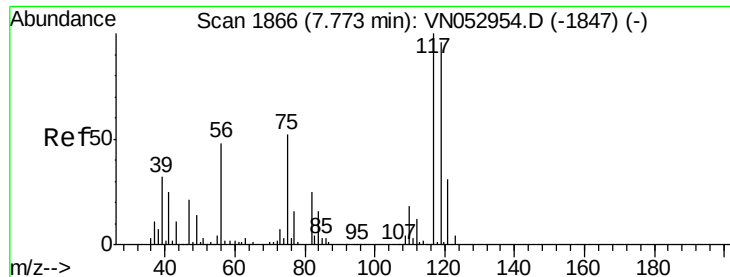
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.4
192	22.6	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.431 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053081.D
 Acq: 21 Dec 2018 3:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.325 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053081.D

Acq: 21 Dec 2018 3:02

Instrument :

MSVOA_N

ClientSampled :

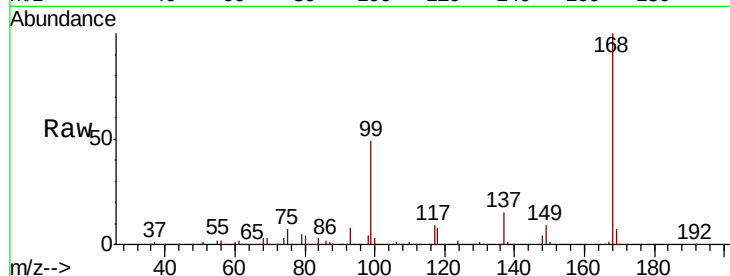
Tot Ion:117 Resp: 112065

Ion Ratio Lower Upper

117 100

119 5.2 77.1 115.7#

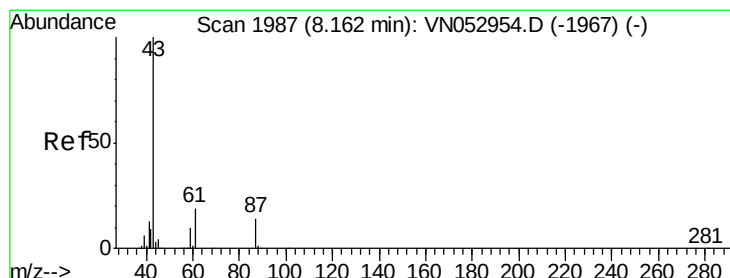
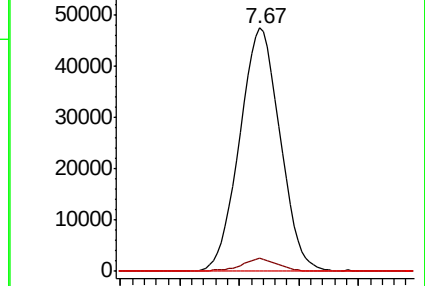
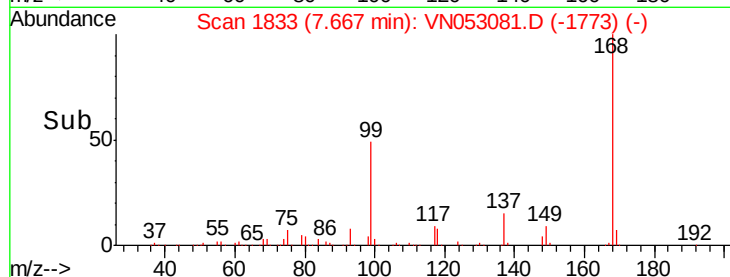
121 0.0 24.9 37.3#



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: 9.785 ug/l

RT: 8.34 min Scan# 2042

Delta R.T. 0.18 min

Lab File: VN053081.D

Acq: 21 Dec 2018 3:02

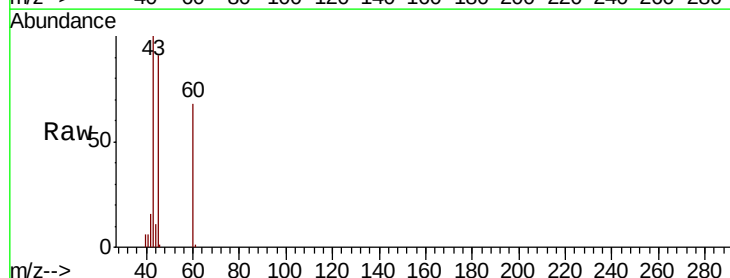
Tgt Ion: 43 Resp: 221889

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

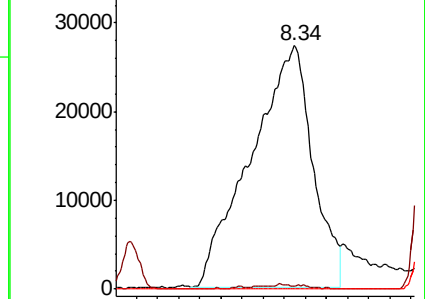
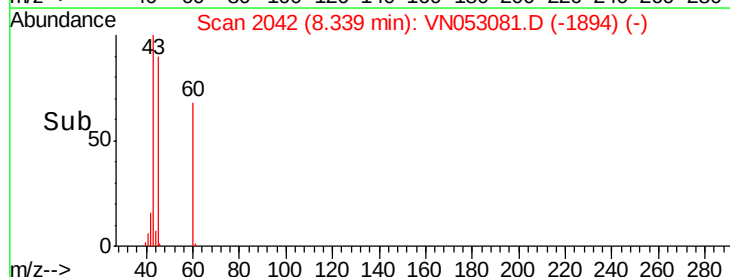
87 0.0 10.6 15.8#

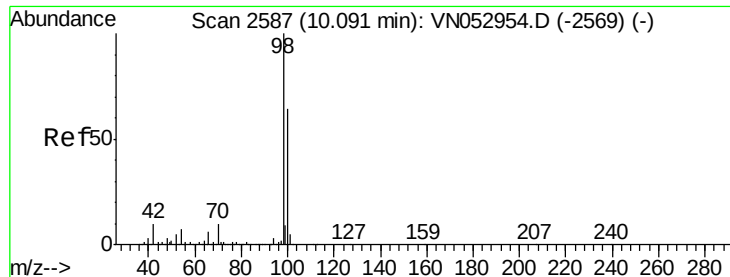


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053081.D

Acq: 21 Dec 2018 3:02

Instrument :

MSVOA_N

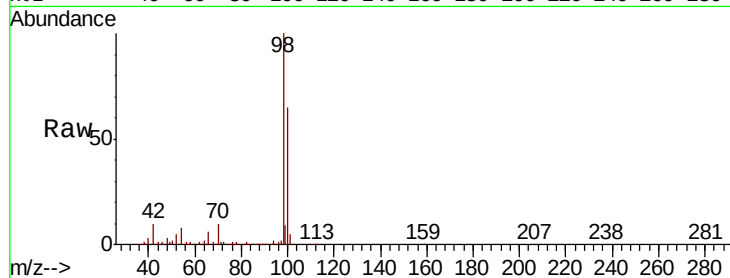
ClientSampleId :

Tot Ion: 98 Resp: 2462082

Ion Ratio Lower Upper

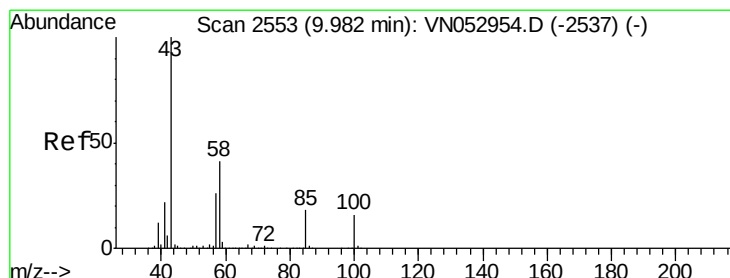
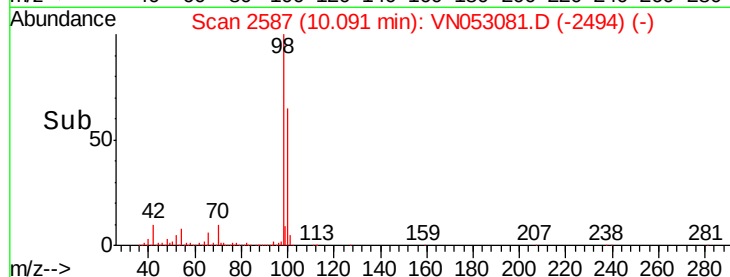
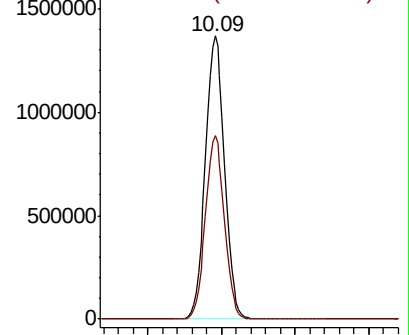
98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.378 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053081.D

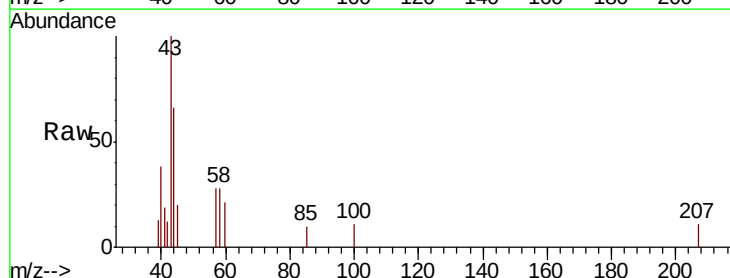
Acq: 21 Dec 2018 3:02

Tgt Ion: 43 Resp: 3954

Ion Ratio Lower Upper

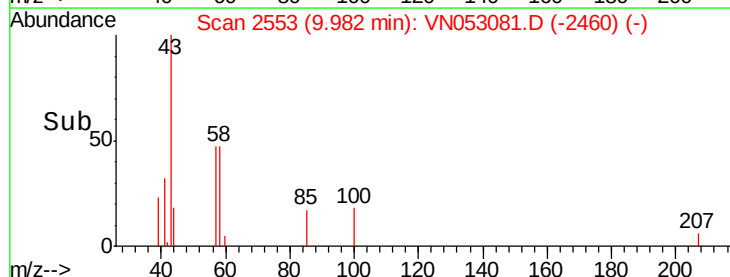
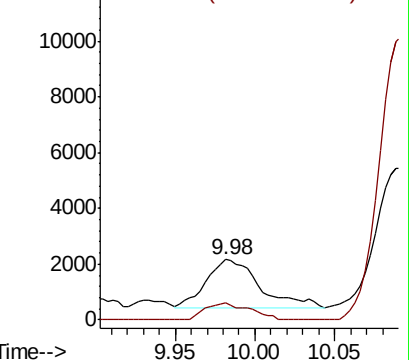
43 100

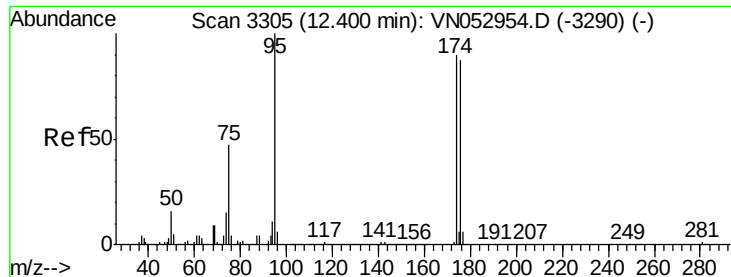
58 29.6 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

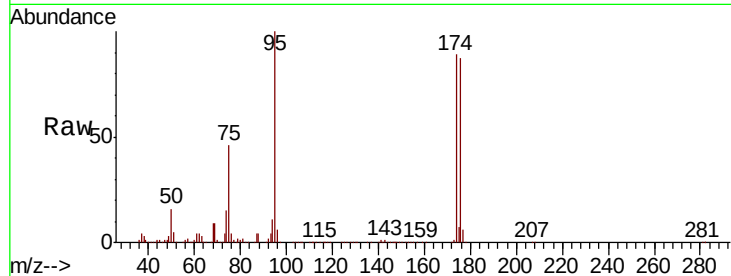




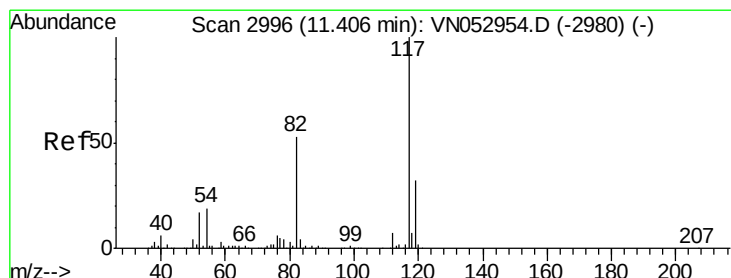
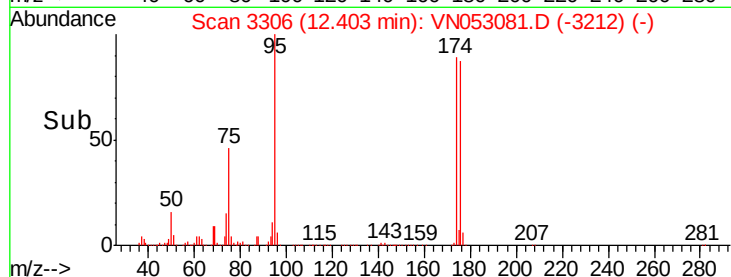
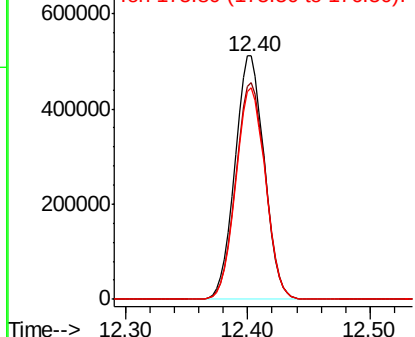
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053081.D
Acq: 21 Dec 2018 3:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 95 Resp: 849514
Ion Ratio Lower Upper
95 100
174 90.0 0.0 178.8
176 87.5 0.0 173.8

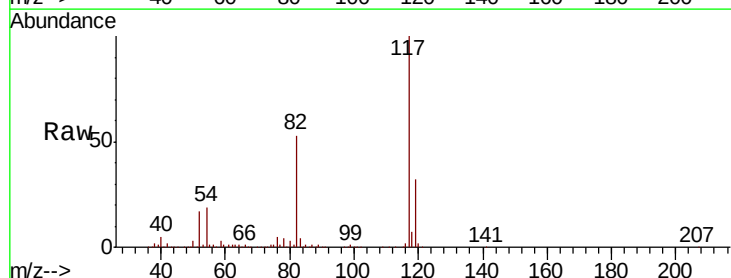


Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

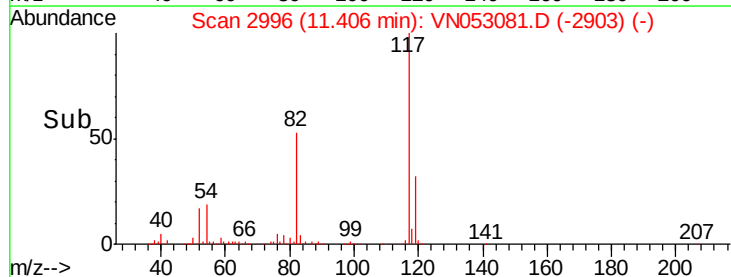
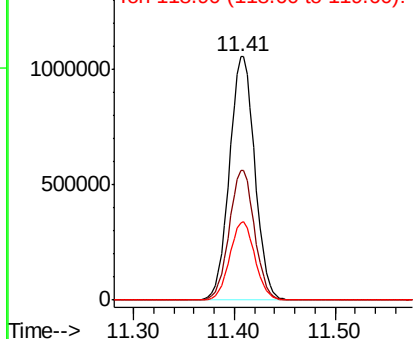


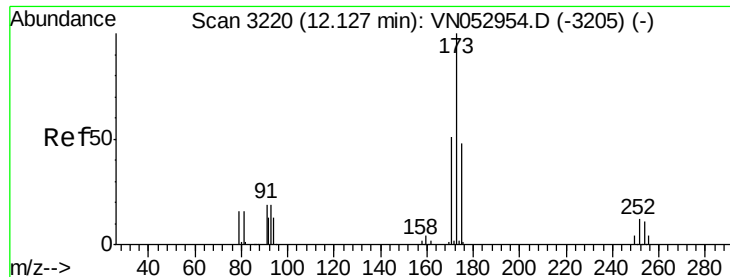
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053081.D
Acq: 21 Dec 2018 3:02

Tgt Ion: 117 Resp: 1846206
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)
Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)
Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)





#71

Bromoform

Concen: 0.500 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053081.D

Acq: 21 Dec 2018 3:02

Instrument :

MSVOA_N

ClientSampled :

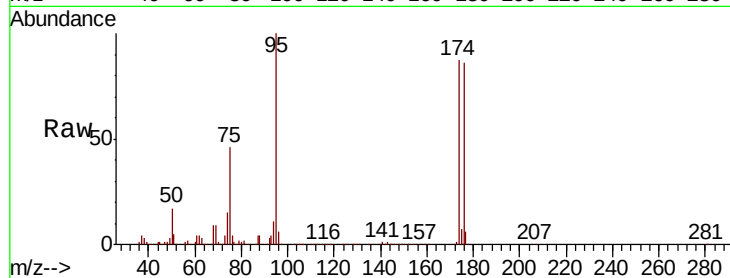
Tot Ion:173 Resp: 5141

Ion Ratio Lower Upper

173 100

175 940.7 24.3 72.9#

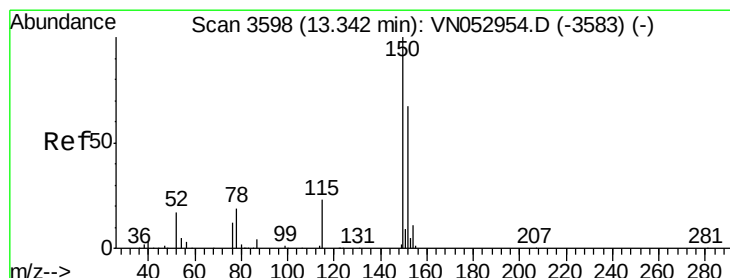
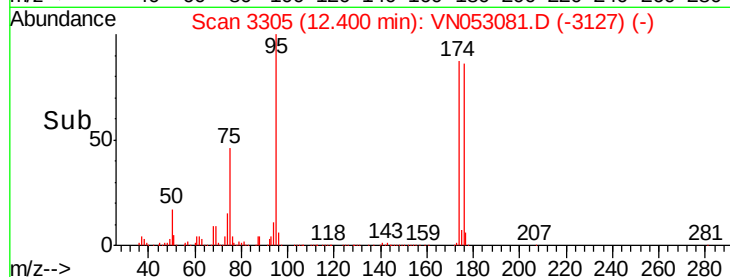
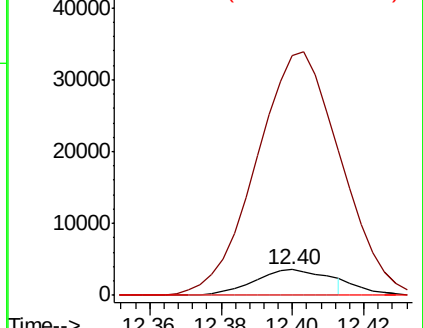
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053081.D

Acq: 21 Dec 2018 3:02

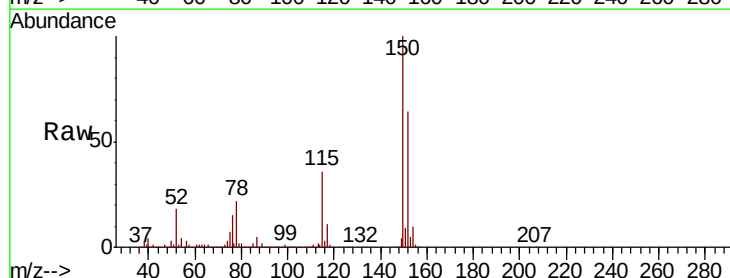
Tgt Ion:152 Resp: 787556

Ion Ratio Lower Upper

152 100

115 55.6 28.3 85.0

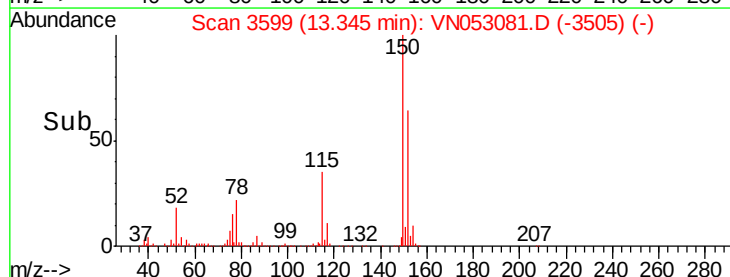
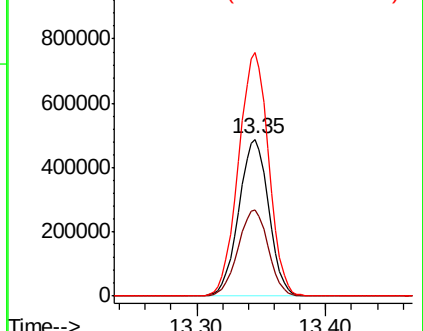
150 156.1 0.0 347.8

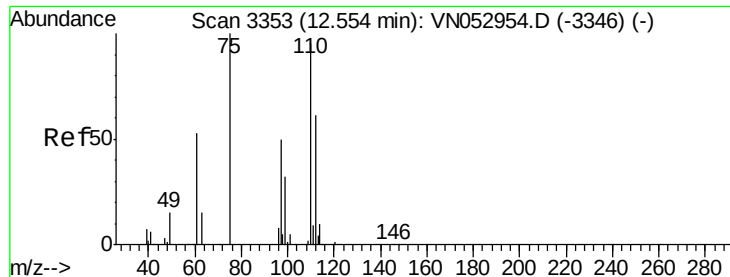


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.832 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053081.D

Acq: 21 Dec 2018 3:02

Instrument :

MSVOA_N

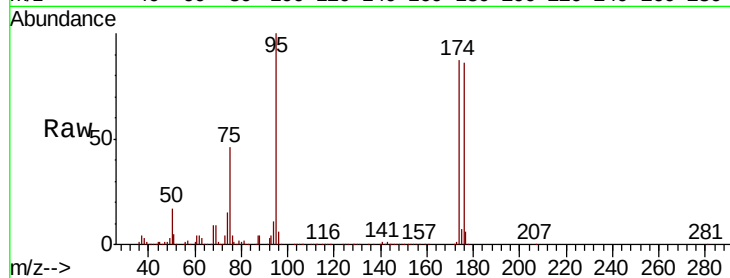
ClientSampled :

Tot Ion: 75 Resp: 395503

Ion Ratio Lower Upper

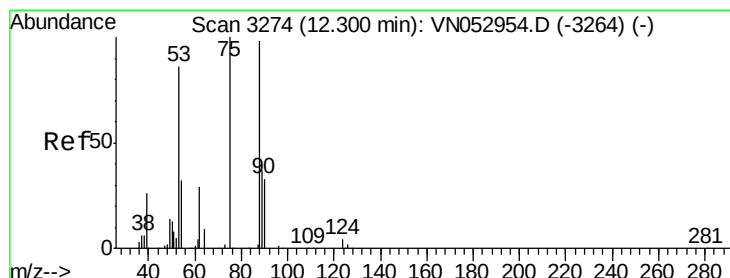
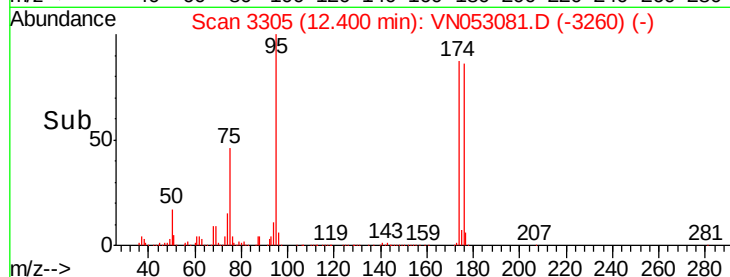
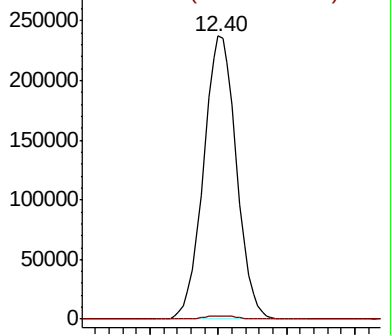
75 100

77 1.2 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: 96.152 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053081.D

Acq: 21 Dec 2018 3:02

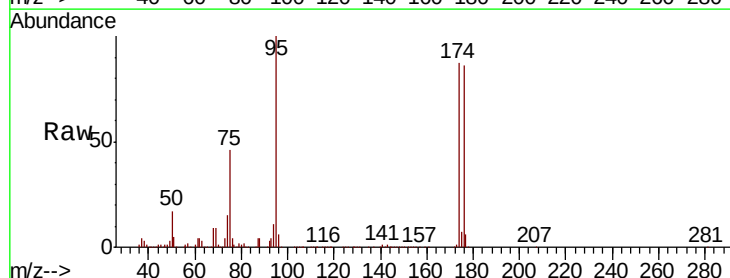
Tgt Ion: 75 Resp: 395503

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

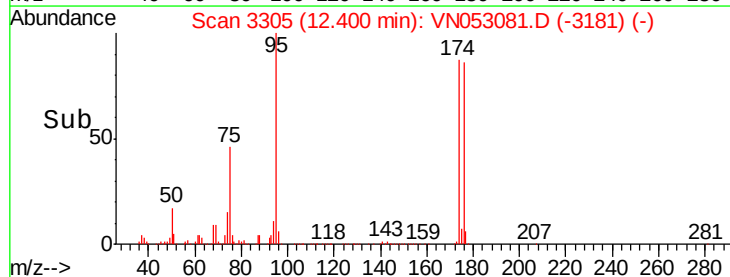
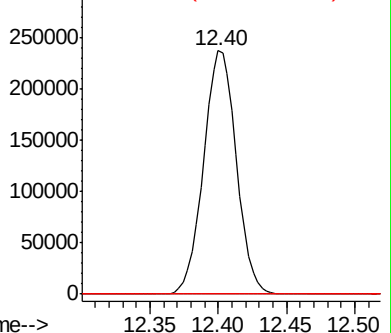
89 0.0 36.1 54.1#

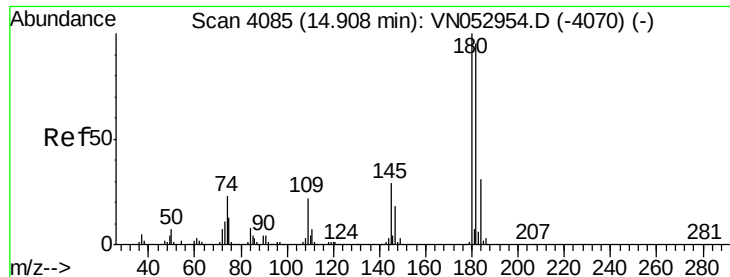


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

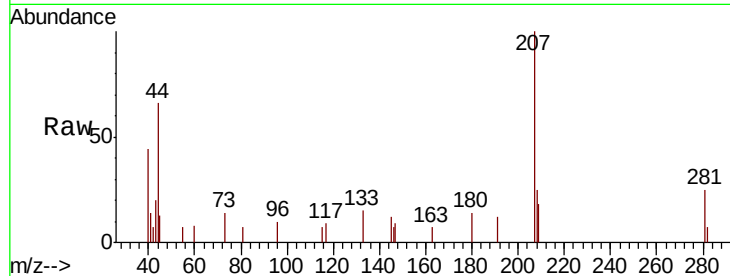




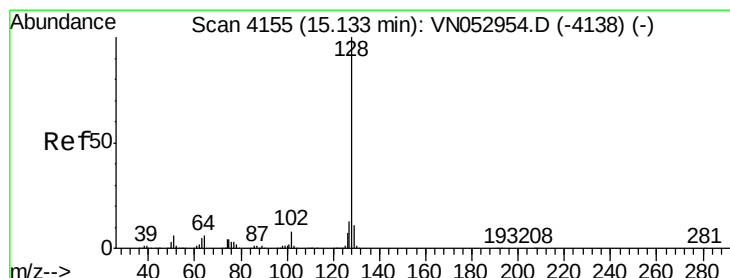
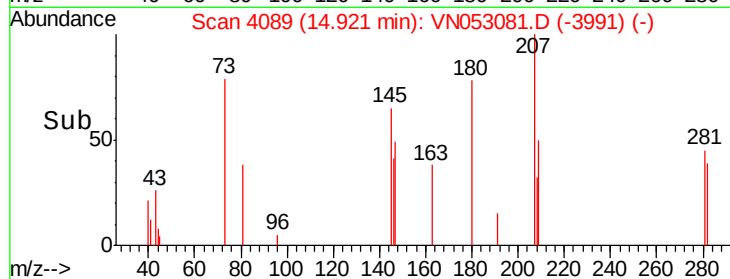
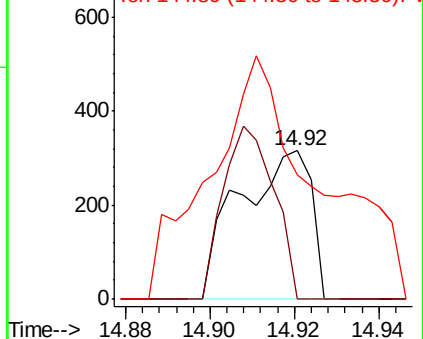
#93
 1,2,4-Trichlorobenzene
 Concen: 0.622 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN053081.D
 Acq: 21 Dec 2018 3:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 373
 Ion Ratio Lower Upper
 180 100
 182 83.1 47.8 143.3
 145 250.4 14.2 42.6#

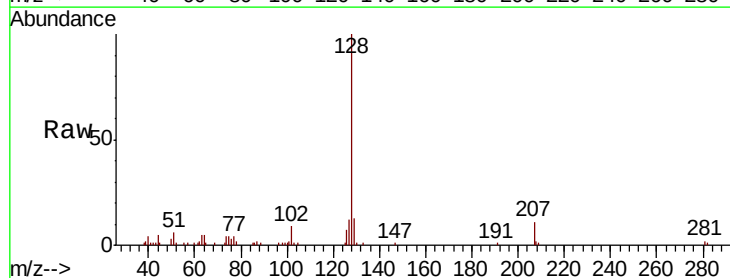


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

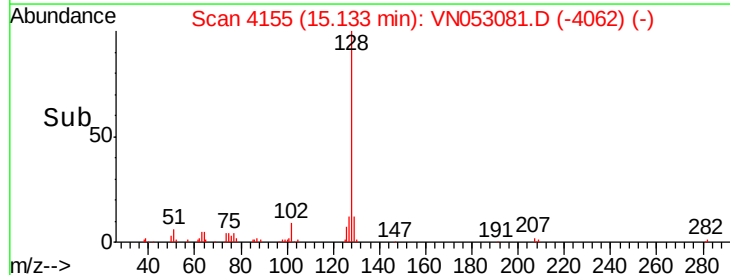
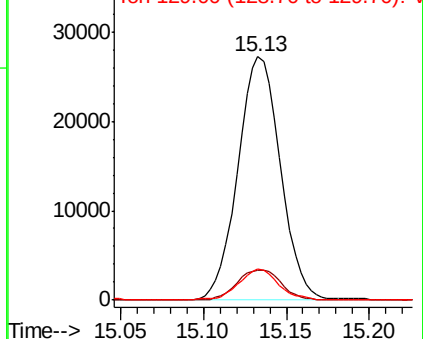


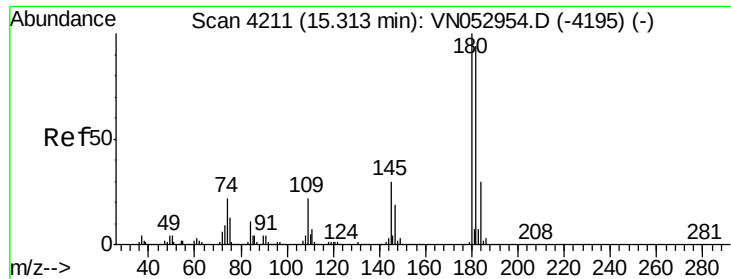
#95
 Naphthalene
 Concen: 2.680 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN053081.D
 Acq: 21 Dec 2018 3:02

Tgt Ion:128 Resp: 48584
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.2 15.4
 129 12.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

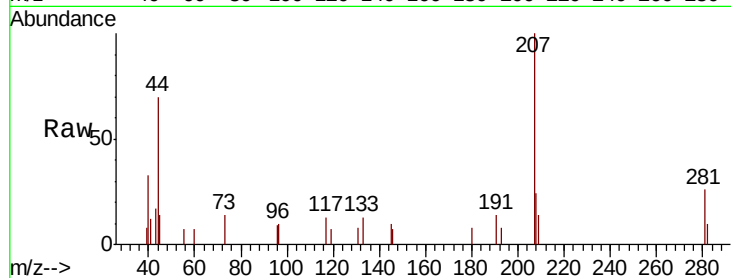




#96
 1,2,3-Trichlorobenzene
 Concen: 0.523 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. -0.01 min
 Lab File: VN053081.D
 Acq: 21 Dec 2018 3:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.7#
145	231.7	15.0	45.0#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

