

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN052999.D
 Acq On : 19 Dec 2018 9:56
 Operator : MD\SY
 Sample : VN1219MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL01

Quant Time: Dec 20 05:16:56 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

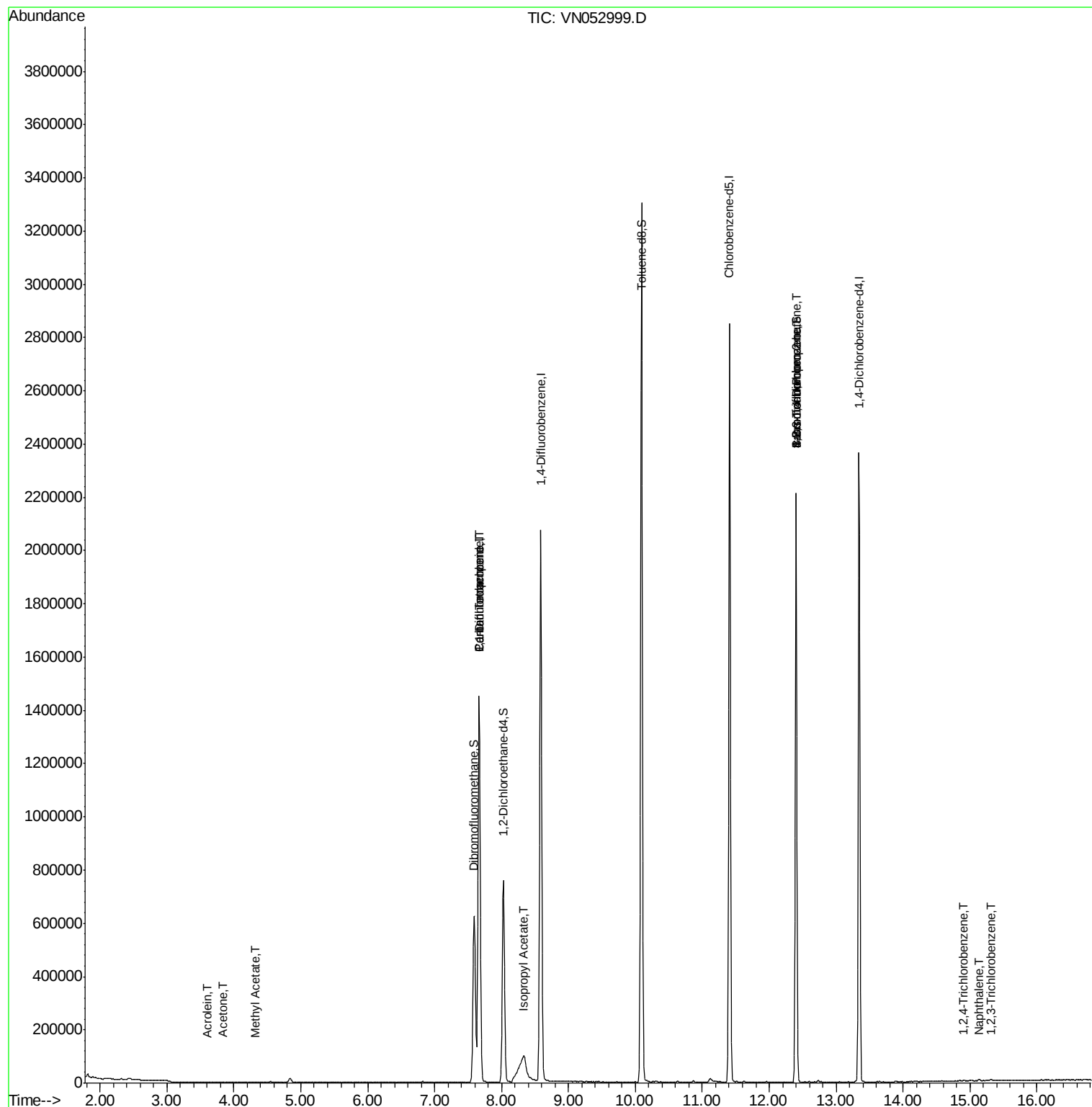
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1294994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1985125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1729399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	675317	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	626285	47.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.32%	
35) Dibromofluoromethane	7.59	113	496257	54.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.46%	
50) Toluene-d8	10.09	98	2393500	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.40	95	761981	44.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.18%	
Target Compounds						
					Qvalue	
13) Acrolein	3.61	56	429	0.590	ug/l #	78
16) Acetone	3.82	43	2997	1.163	ug/l #	75
18) Methyl Acetate	4.32	43	2480	1.200	ug/l #	89
31) Cyclohexane	7.66	56	21140	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	86025	4.515	ug/l #	48
38) Carbon Tetrachloride	7.66	117	112582	6.446	ug/l #	16
43) Isopropyl Acetate	8.33	43	179026	7.816	ug/l #	53
71) Bromoform	12.40	173	4328	0.449	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	355686	31.288	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	355686	100.844	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.90	180	1504	0.719	ug/l	91
94) Hexachlorobutadiene	15.00	225	622	Below Cal		95
95) Naphthalene	15.13	128	4871	1.326	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	2074	0.696	ug/l	97

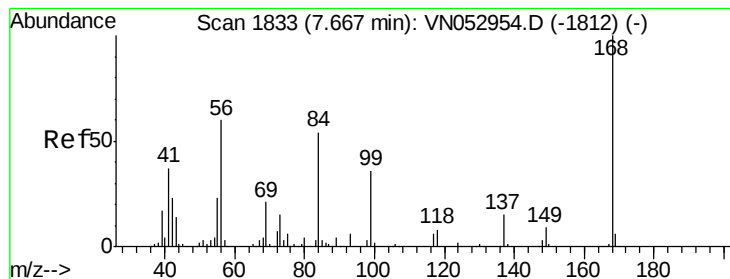
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052999.D

Acq: 19 Dec 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

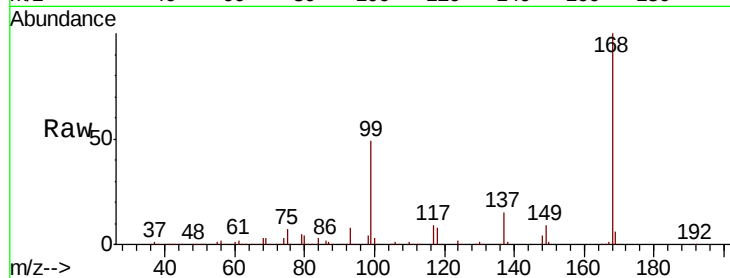
VN1219MBL01

Tot Ion:168 Resp: 1294994

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052999.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052999.D (-1740) (-)

7.67

600000

500000

400000

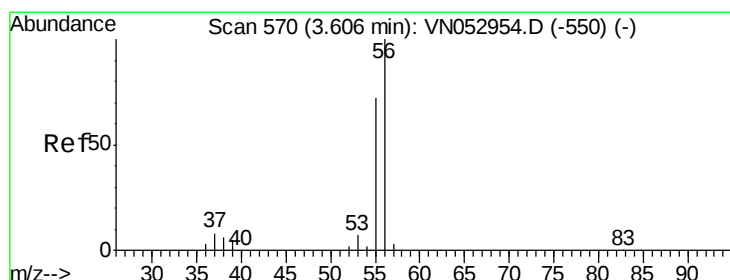
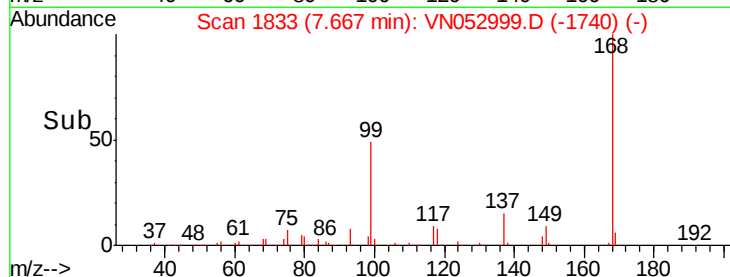
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.590 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052999.D

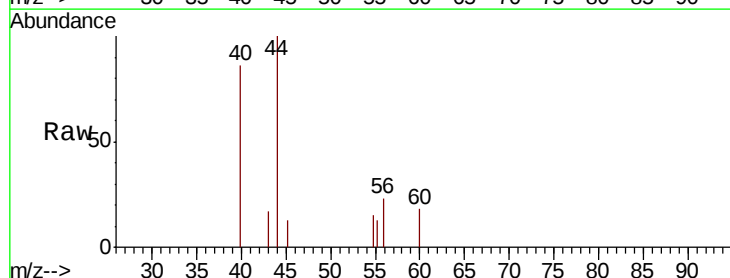
Acq: 19 Dec 2018 9:56

Tgt Ion: 56 Resp: 429

Ion Ratio Lower Upper

56 100

55 89.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052999.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN052999.D (-477) (-)

3.61

500

400

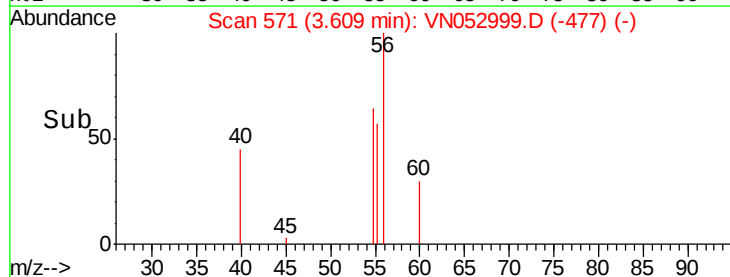
300

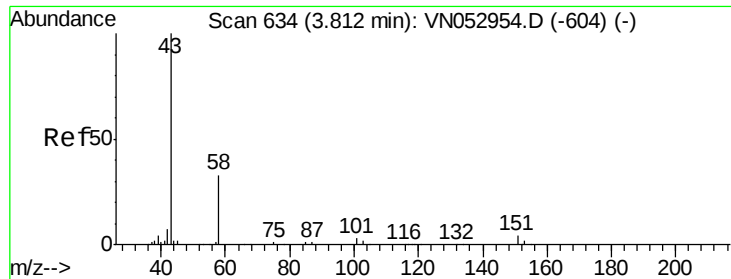
200

100

0

Time-->





#16

Acetone

Concen: 1.163 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052999.D

Acq: 19 Dec 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

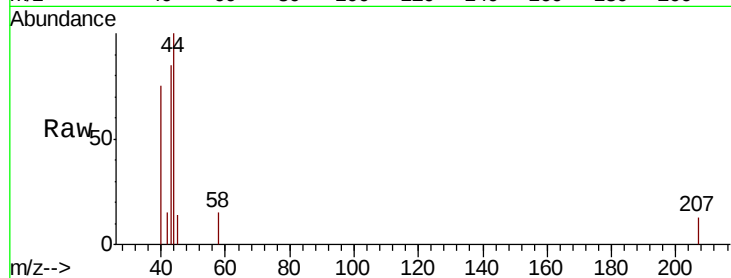
VN1219MBL01

Tot Ion: 43 Resp: 2997

Ion Ratio Lower Upper

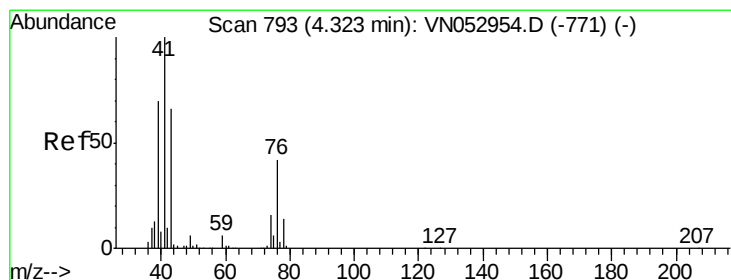
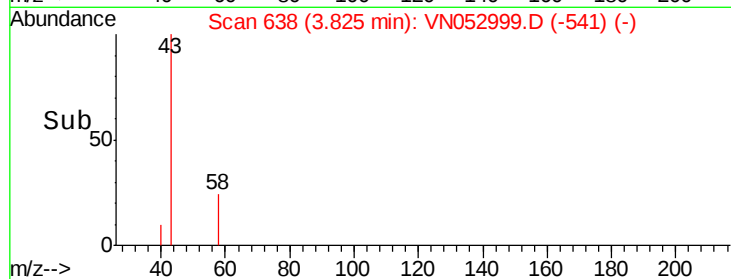
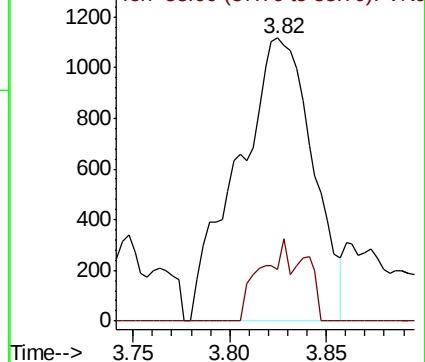
43 100

58 18.1 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.200 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052999.D

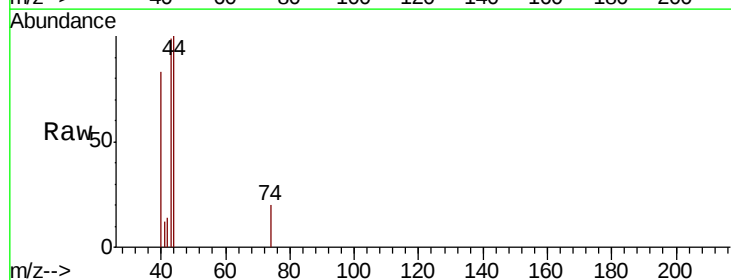
Acq: 19 Dec 2018 9:56

Tgt Ion: 43 Resp: 2480

Ion Ratio Lower Upper

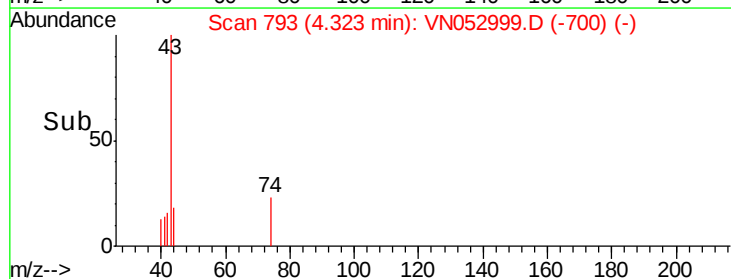
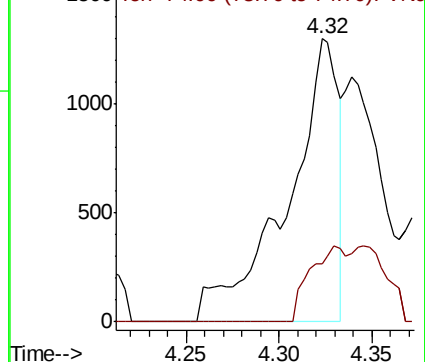
43 100

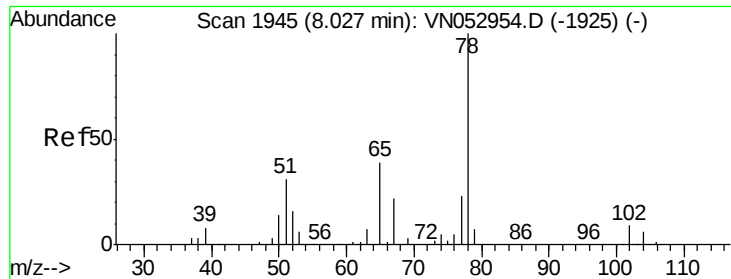
74 18.7 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

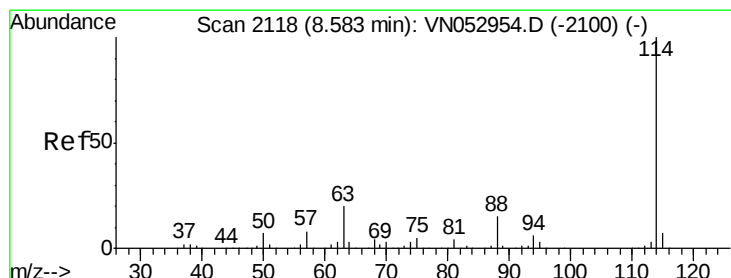
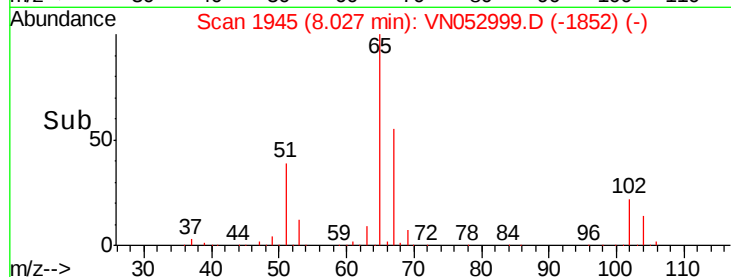
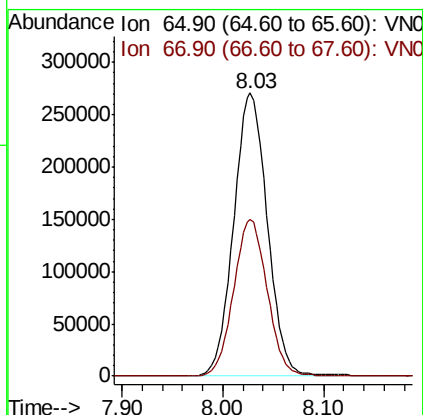
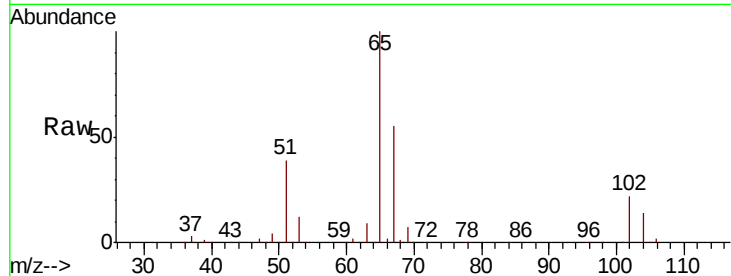




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052999.D
 Acq: 19 Dec 2018 9:56

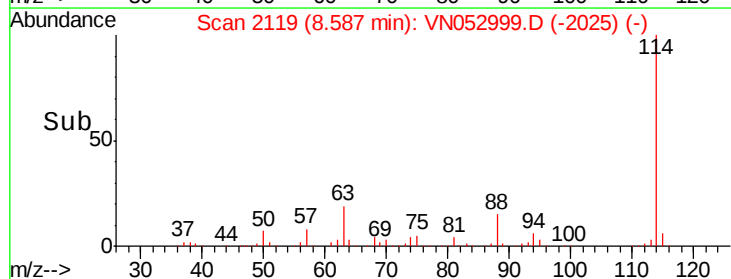
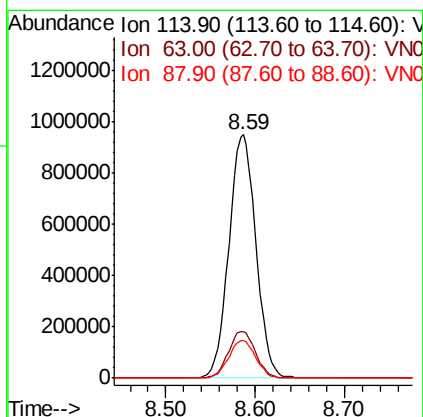
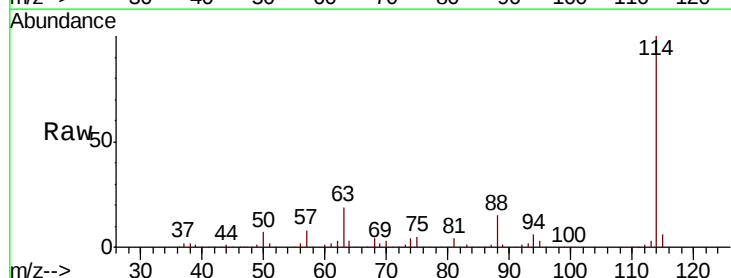
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL01

Tot Ion: 65 Resp: 626285
 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: VN052999.D
 Acq: 19 Dec 2018 9:56

Tgt Ion: 114 Resp: 1985125
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.2 0.0 31.0

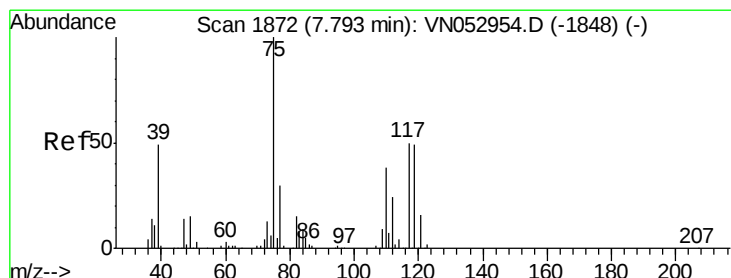
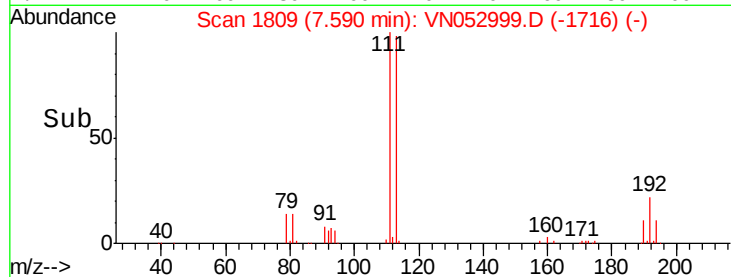
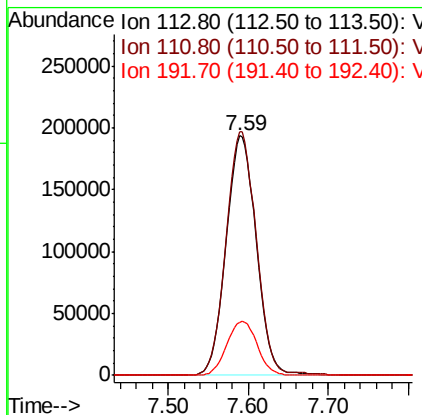
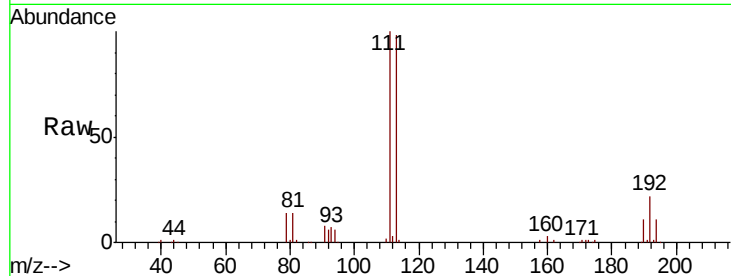




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN052999.D
 Acq: 19 Dec 2018 9:56

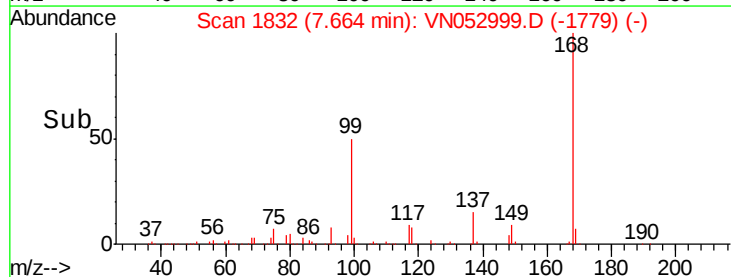
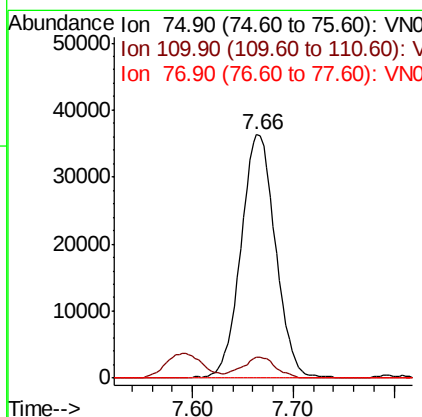
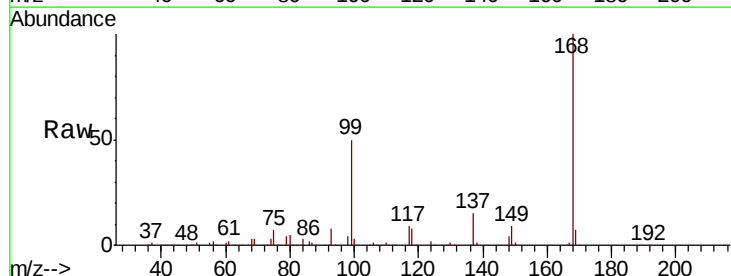
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL01

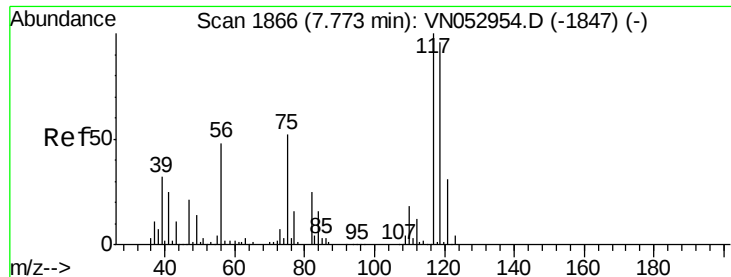
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.7	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052999.D
 Acq: 19 Dec 2018 9:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.446 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052999.D

Acq: 19 Dec 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBL01

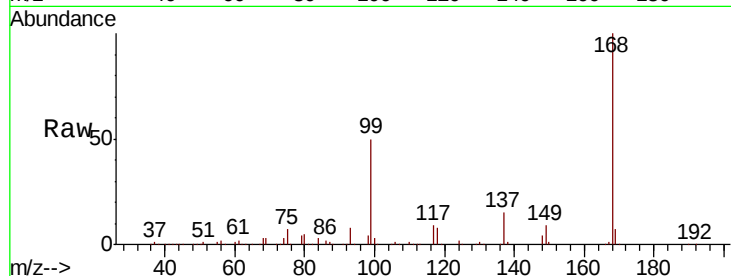
Tot Ion:117 Resp: 112582

Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

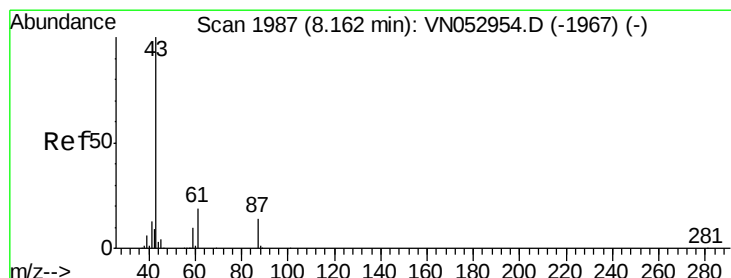
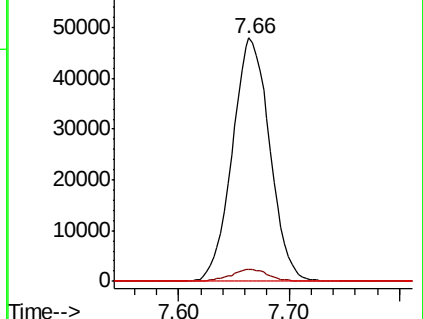
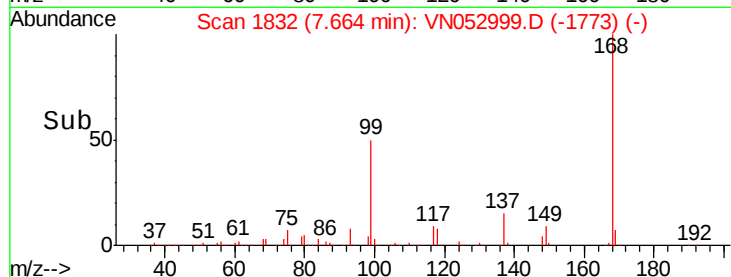
121 0.0 24.9 37.3#



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: 7.816 ug/l

RT: 8.33 min Scan# 2038

Delta R.T. 0.16 min

Lab File: VN052999.D

Acq: 19 Dec 2018 9:56

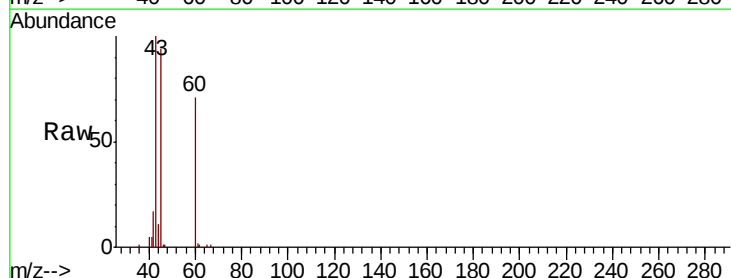
Tgt Ion: 43 Resp: 179026

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

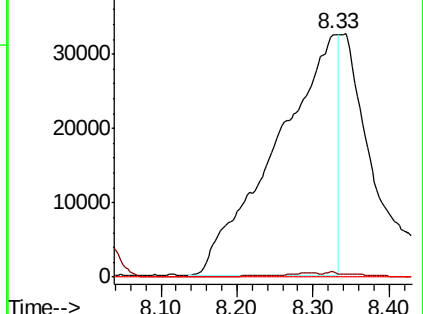
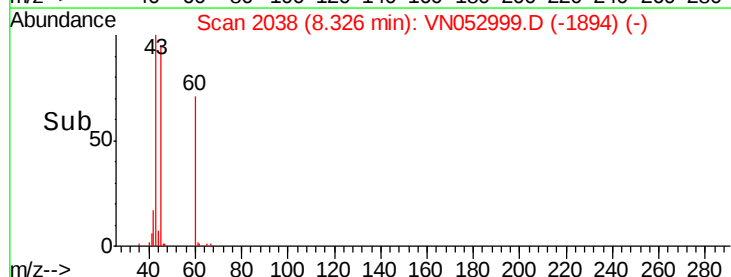
87 0.0 10.6 15.8#

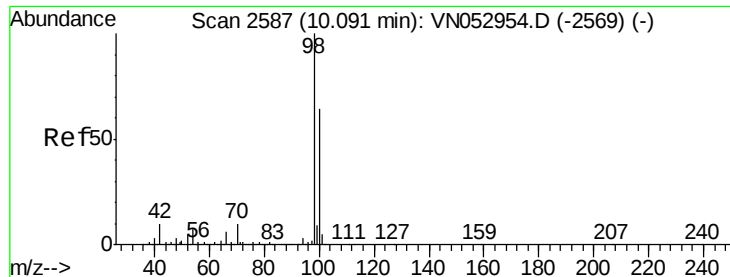


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052999.D

Acq: 19 Dec 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

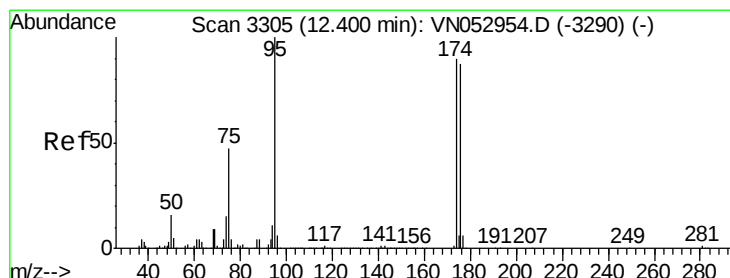
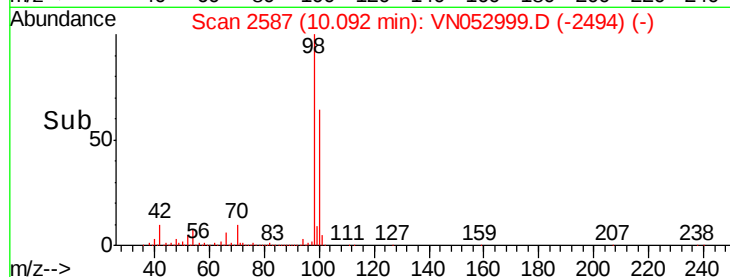
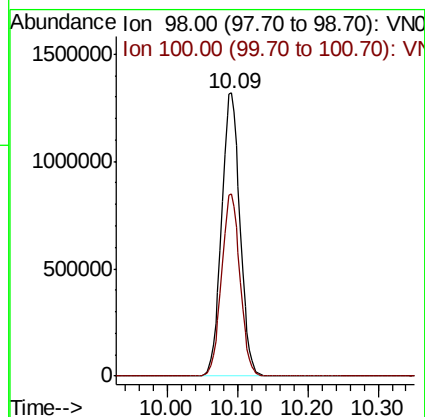
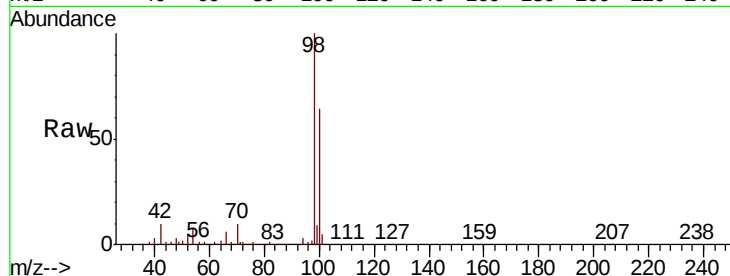
VN1219MBL01

Tot Ion: 98 Resp: 2393500

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052999.D

Acq: 19 Dec 2018 9:56

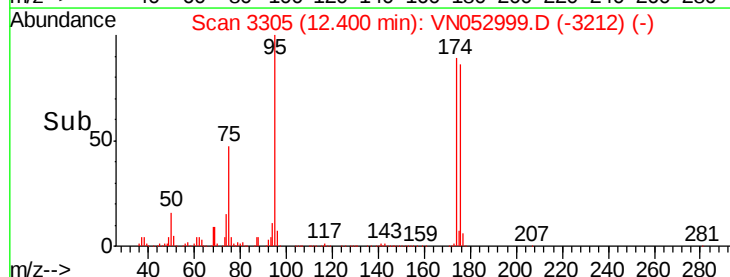
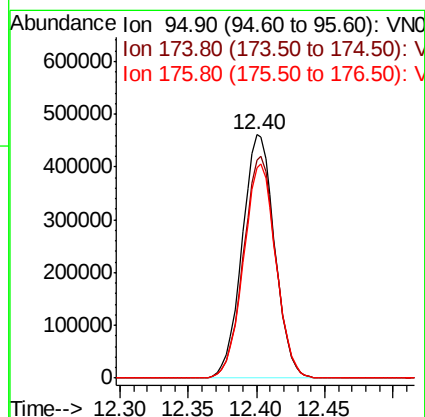
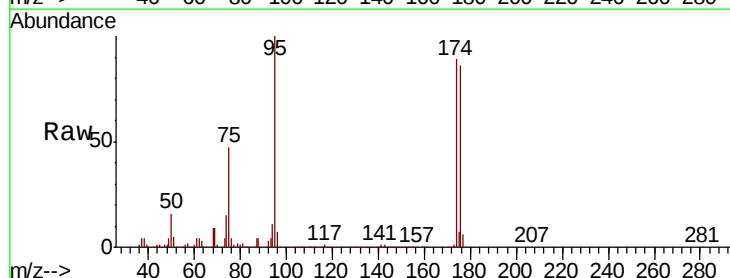
Tgt Ion: 95 Resp: 761981

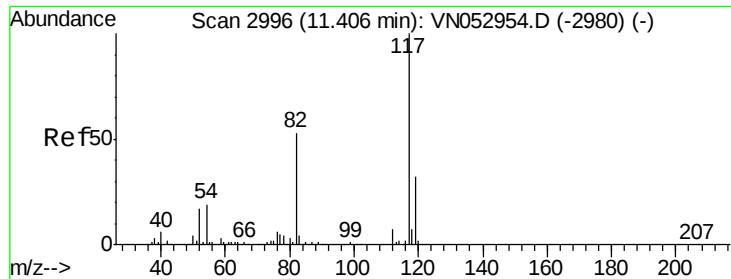
Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.8

176 87.7 0.0 173.8

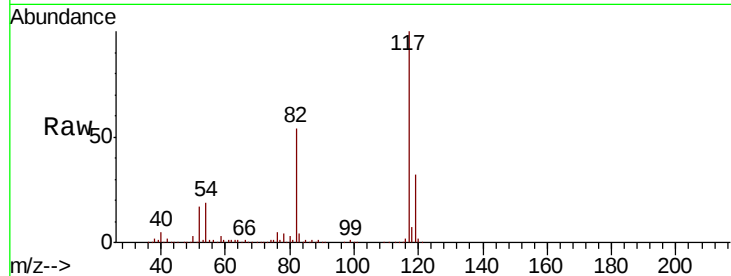




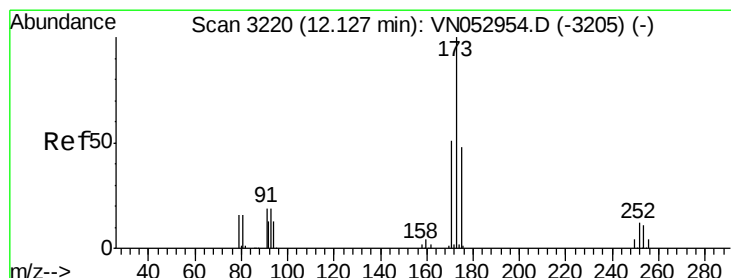
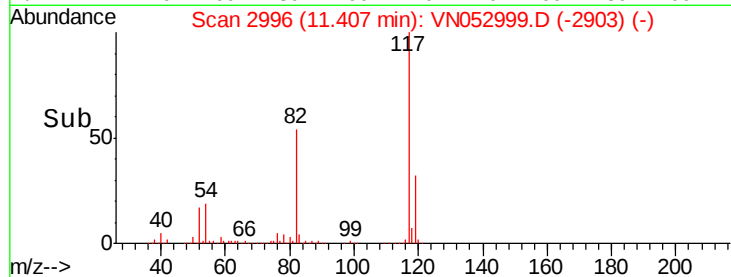
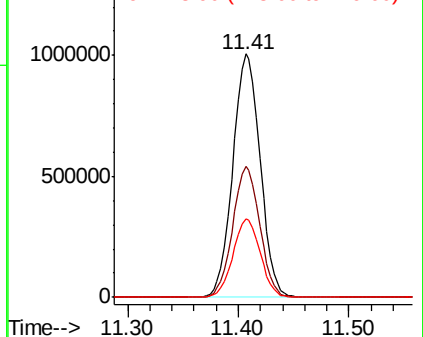
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052999.D
Acq: 19 Dec 2018 9:56

Instrument :
MSVOA_N
ClientSampled :
VN1219MBL01

Tot Ion:117 Resp: 1729399
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 32.2 25.5 38.3

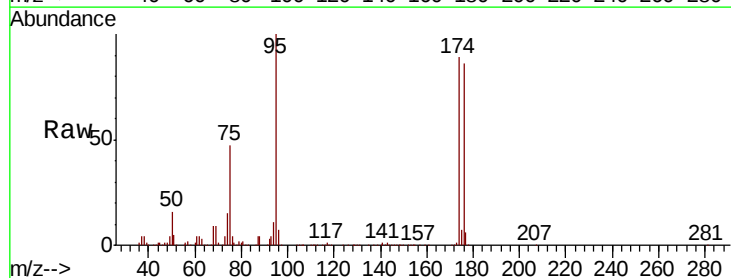


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

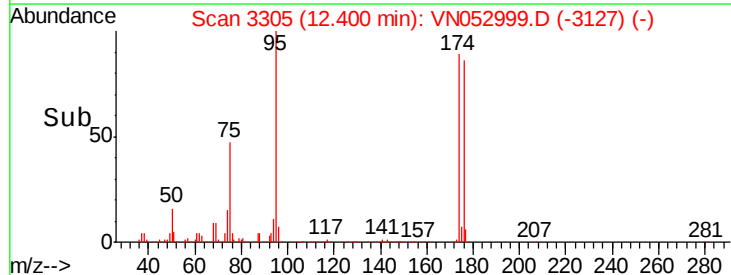
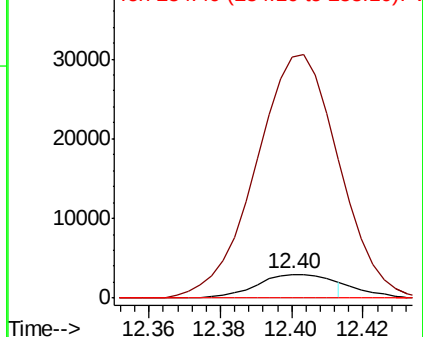


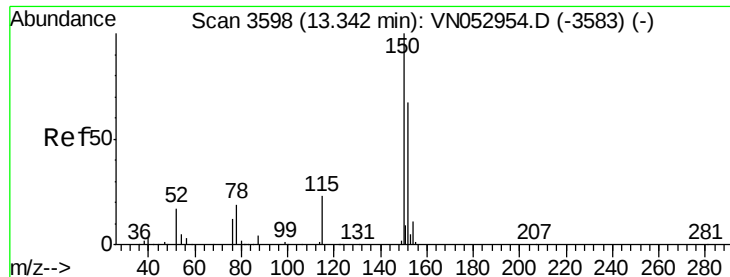
#71
Bromoform
Concen: 0.449 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052999.D
Acq: 19 Dec 2018 9:56

Tgt Ion:173 Resp: 4328
Ion Ratio Lower Upper
173 100
175 1015.0 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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052999.D

Acq: 19 Dec 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBL01

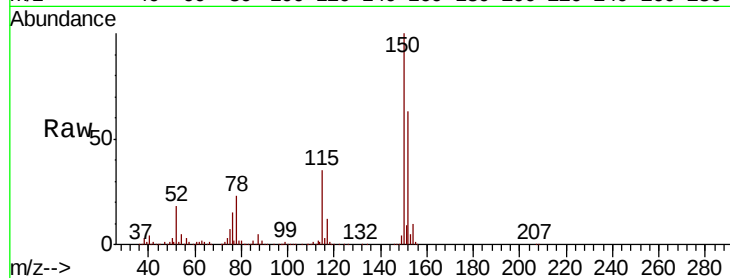
Tot Ion:152 Resp: 675317

Ion Ratio Lower Upper

152 100

115 55.2 28.3 85.0

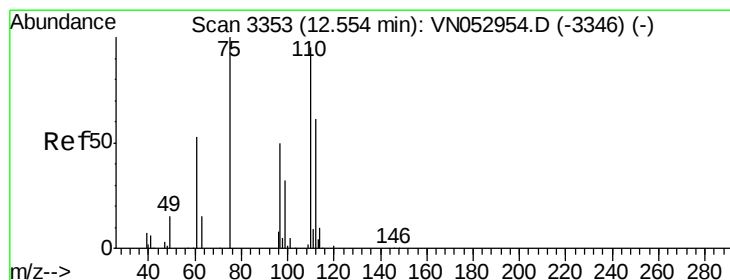
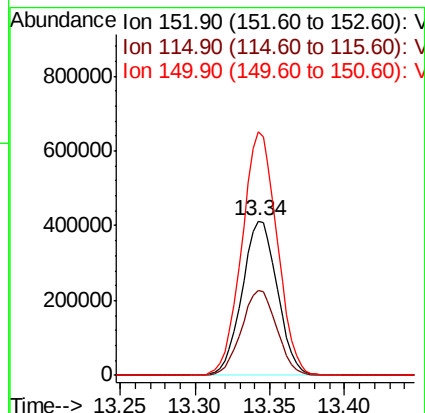
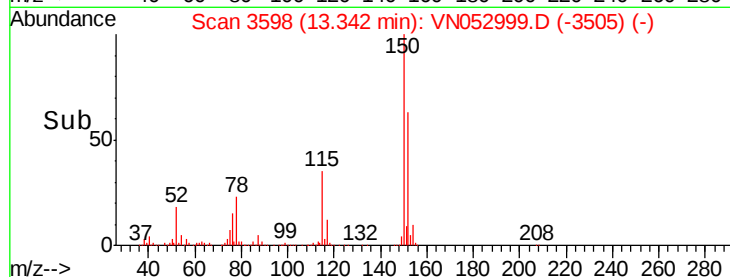
150 158.1 0.0 347.8



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: 31.288 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052999.D

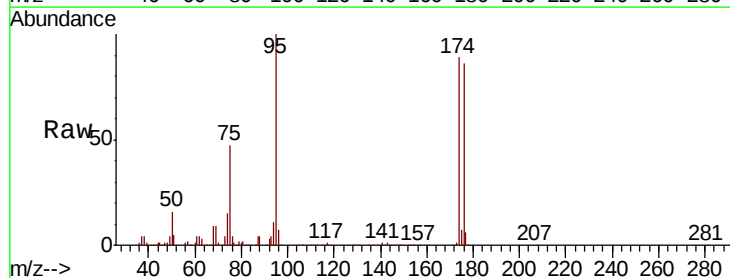
Acq: 19 Dec 2018 9:56

Tgt Ion: 75 Resp: 355686

Ion Ratio Lower Upper

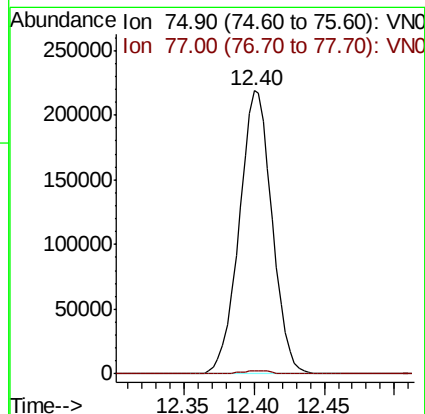
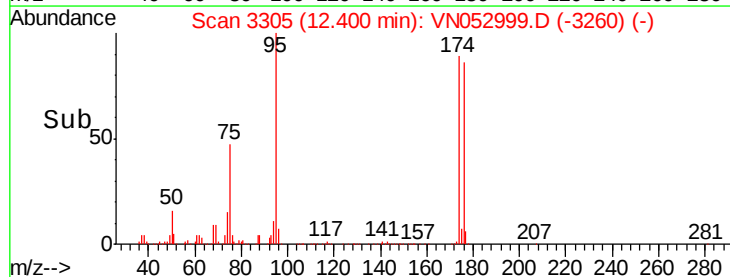
75 100

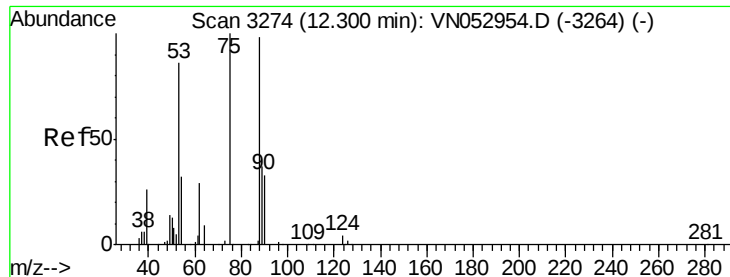
77 1.2 0.0 0.0#



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: 100.844 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052999.D

Acq: 19 Dec 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBL01

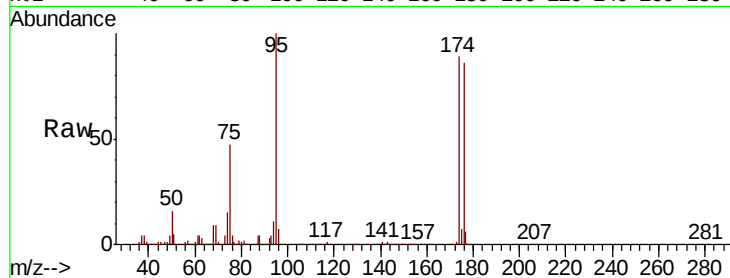
Tot Ion: 75 Resp: 355686

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

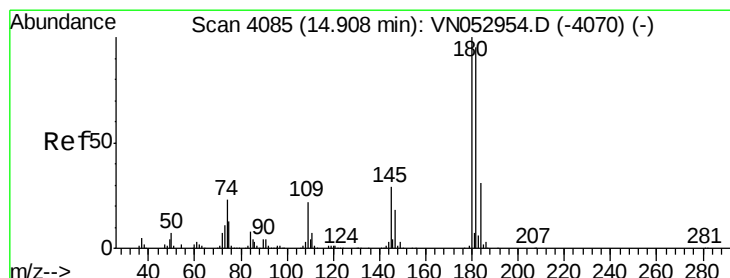
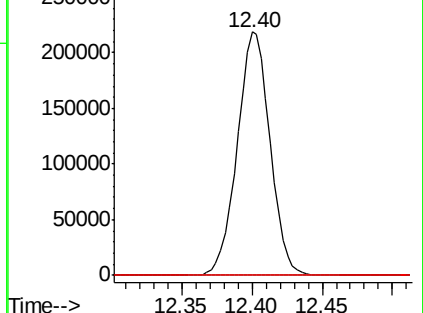
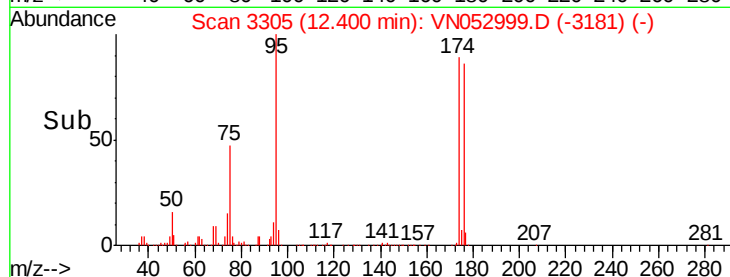
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN052999.D

Ion 53.00 (52.70 to 53.70): VN052999.D

Ion 88.90 (88.60 to 89.60): VN052999.D



#93

1,2,4-Trichlorobenzene

Concen: 0.719 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN052999.D

Acq: 19 Dec 2018 9:56

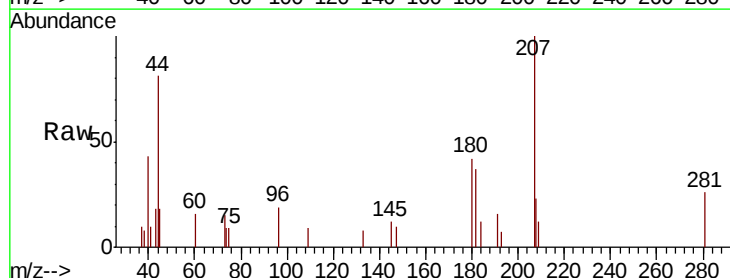
Tgt Ion: 180 Resp: 1504

Ion Ratio Lower Upper

180 100

182 101.5 47.8 143.3

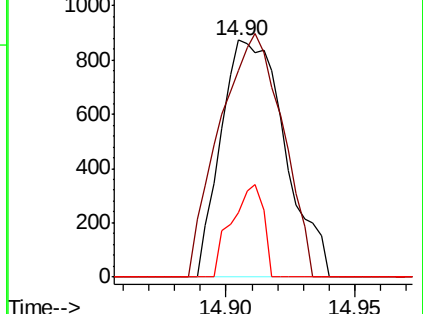
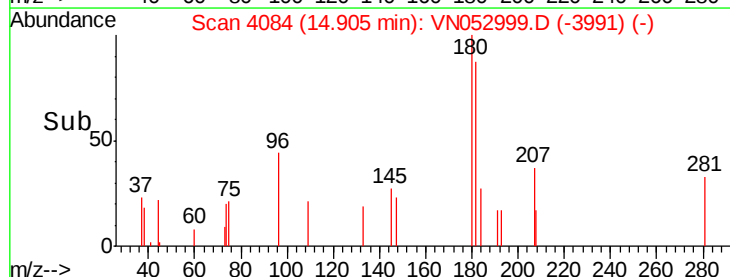
145 19.3 14.2 42.6

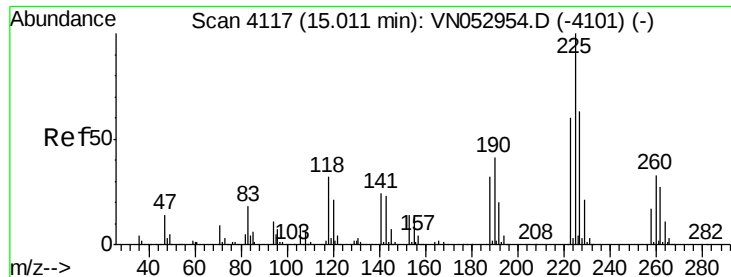


Abundance Ion 179.80 (179.50 to 180.50): VN052999.D

Ion 181.80 (181.50 to 182.50): VN052999.D

Ion 144.80 (144.50 to 145.50): VN052999.D





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VN052999.D

Acq: 19 Dec 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VN1219MBL01

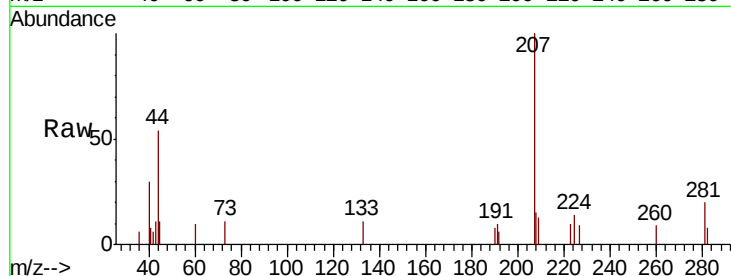
Tot Ion:225 Resp: 622

Ion Ratio Lower Upper

225 100

223 69.3 31.5 94.5

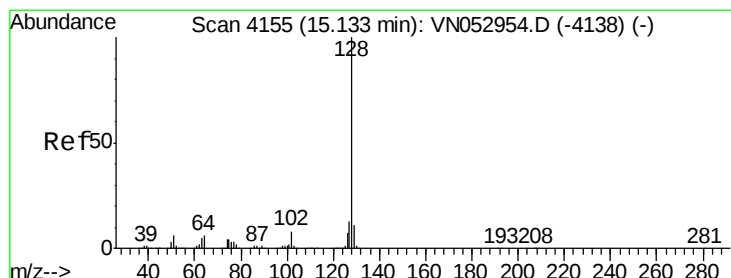
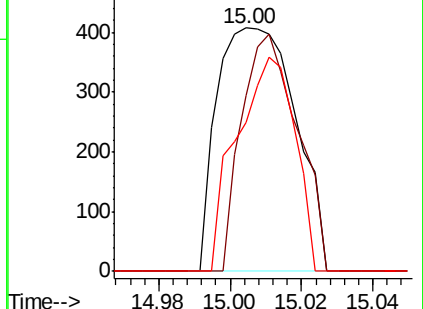
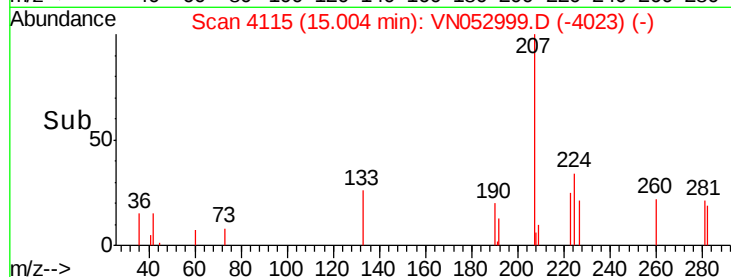
227 65.0 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.326 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052999.D

Acq: 19 Dec 2018 9:56

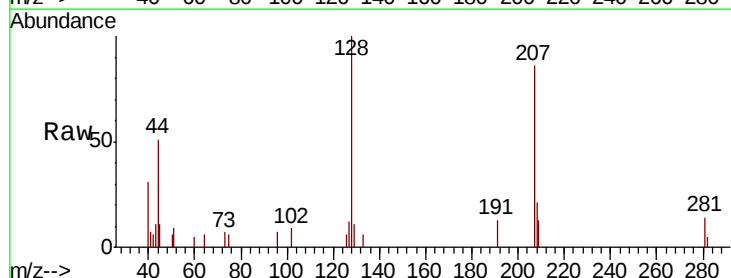
Tgt Ion:128 Resp: 4871

Ion Ratio Lower Upper

128 100

127 11.6 10.2 15.4

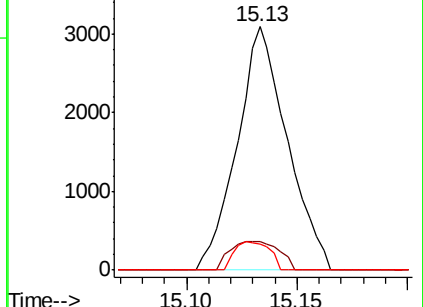
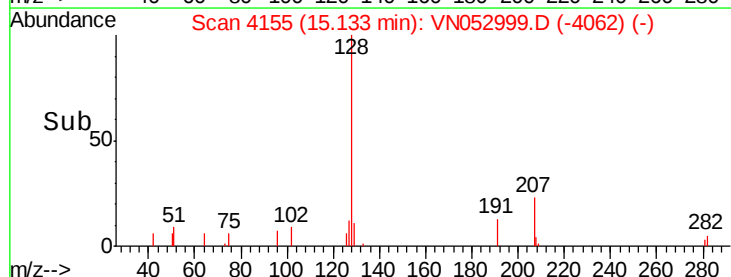
129 8.2 8.6 13.0#

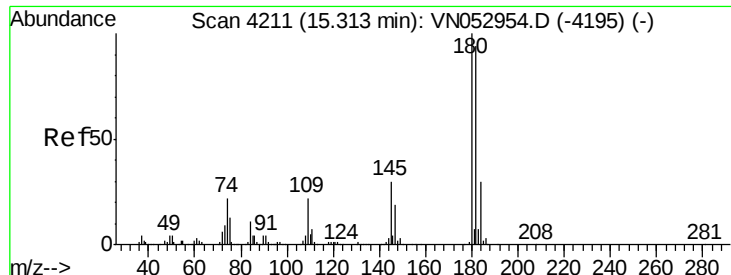


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.696 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN052999.D
 Acq: 19 Dec 2018 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.7
145	26.5	15.0	45.0

