

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
 Data File : VN052982.D
 Acq On : 19 Dec 2018 1:32
 Operator : MD\SY
 Sample : J6378-04ME
 Misc : 4.12g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD009-0006-01ME

Quant Time: Dec 19 03:53:55 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	7.66	168	1254535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1889326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1645785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	633935	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	590726	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	7.59	113	440571	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	10.09	98	2296584	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	714957	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

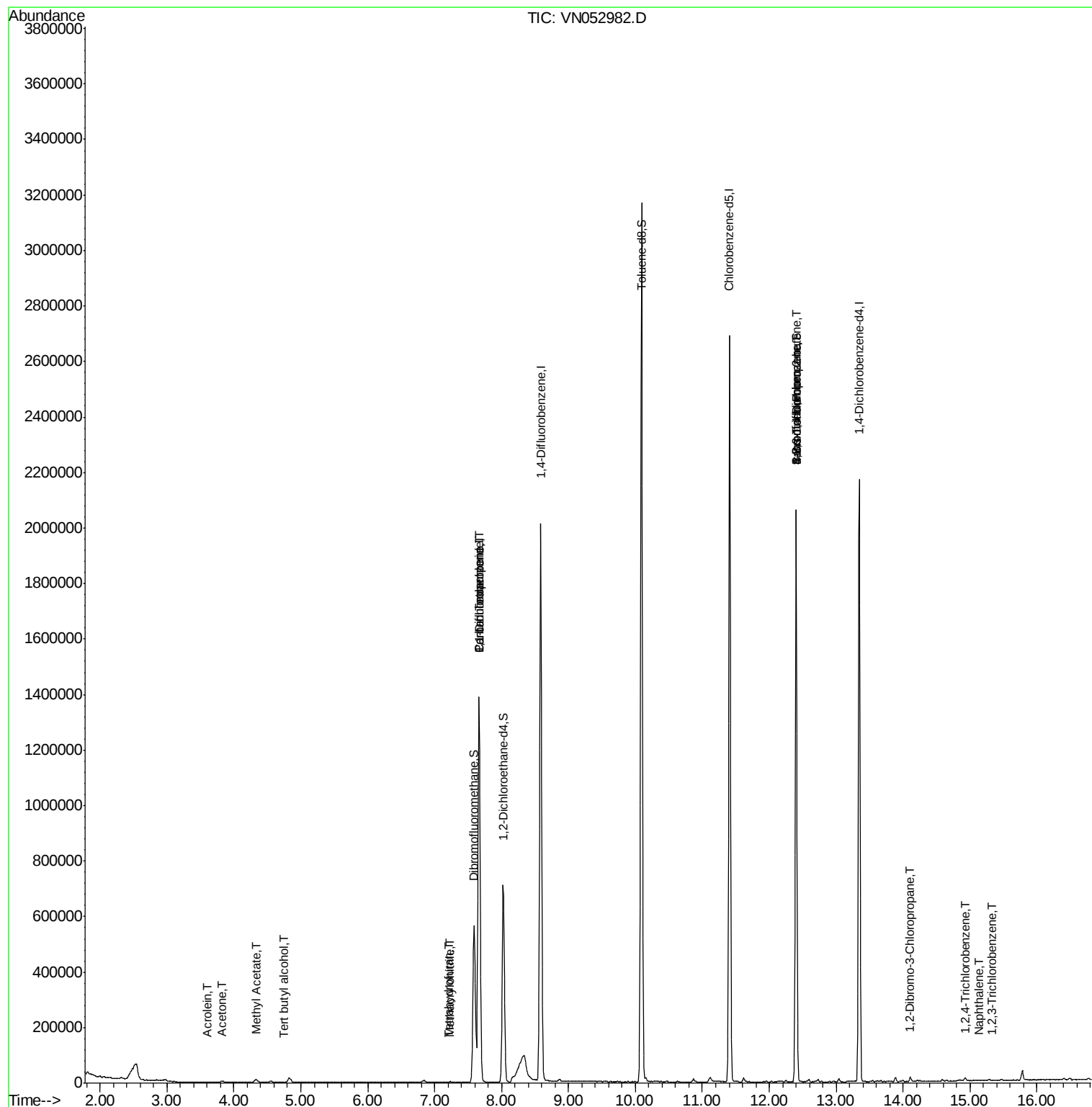
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	300	0.386	ug/l #	74
13) Acrolein	3.60	56	155	0.220	ug/l	90
16) Acetone	3.82	43	8376	3.356	ug/l	93
18) Methyl Acetate	4.33	43	23105	2.991	ug/l #	75
29) Tetrahydrofuran	7.21	42	1404	0.449	ug/l #	71
31) Cyclohexane	7.66	56	20377	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	82557	4.553	ug/l #	49
38) Carbon Tetrachloride	7.66	117	108486	6.527	ug/l #	15
41) Methacrylonitrile	7.22	41	1356	0.232	ug/l #	25
43) Isopropyl Acetate	8.17	43	13777	Below Cal	#	53
71) Bromoform	12.40	173	4130	0.451	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	332221	31.131	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	332221	100.340	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.11	75	468	0.278	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	952	0.679	ug/l #	89
95) Naphthalene	15.14	128	2565	1.247	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.32	180	682	0.574	ug/l #	59

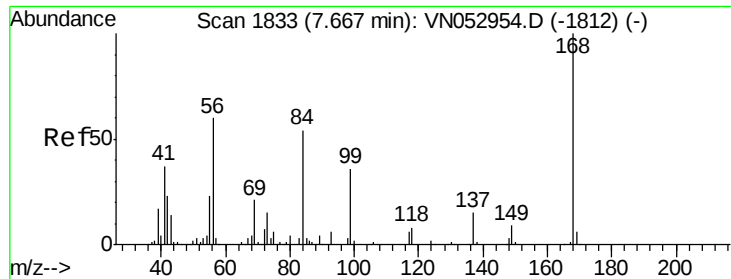
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

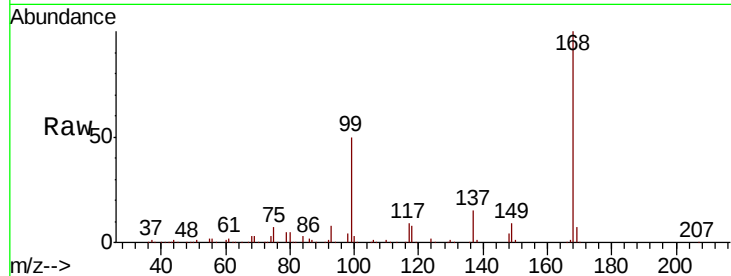
P001-SD009-0006-01ME

Tot Ion:168 Resp: 1254535

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052954.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1812) (-)

7.66

600000

500000

400000

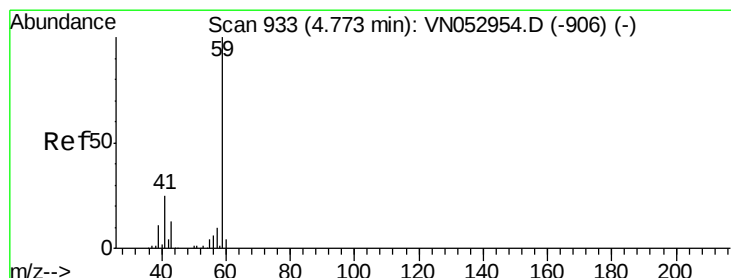
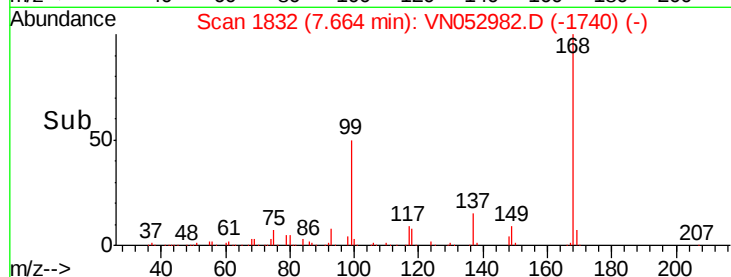
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.386 ug/l

RT: 4.76 min Scan# 929

Delta R.T. -0.01 min

Lab File: VN052982.D

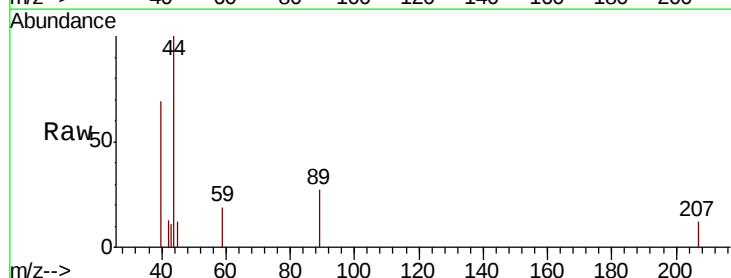
Acq: 19 Dec 2018 1:32

Tgt Ion: 59 Resp: 300

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN052954.D (-906) (-)

Ion 57.00 (56.70 to 57.70): VN052954.D (-906) (-)

4.76

300

250

200

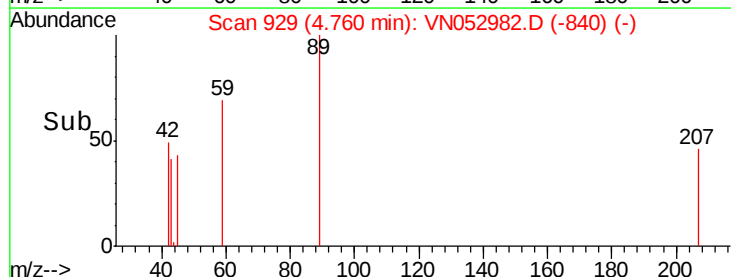
150

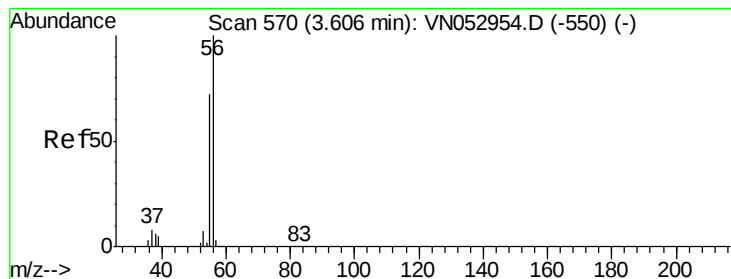
100

50

0

Time--> 4.74 4.76 4.78





#13

Acrolein

Concen: 0.220 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

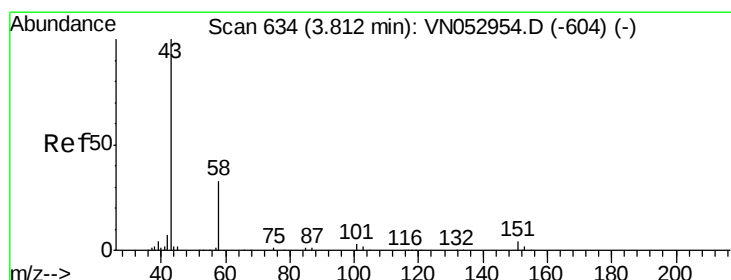
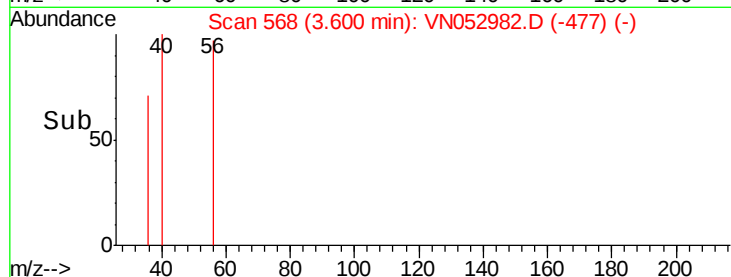
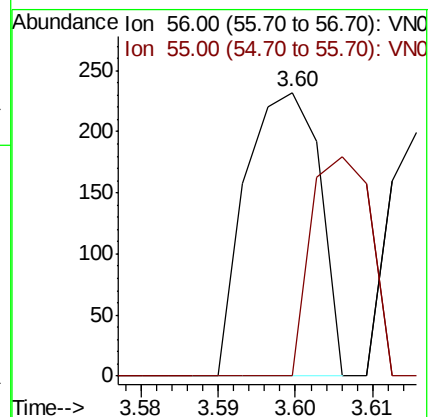
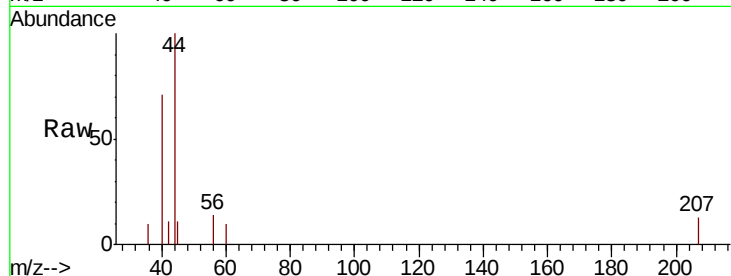
P001-SD009-0006-01ME

Tot Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 62.6 56.6 85.0



#16

Acetone

Concen: 3.356 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052982.D

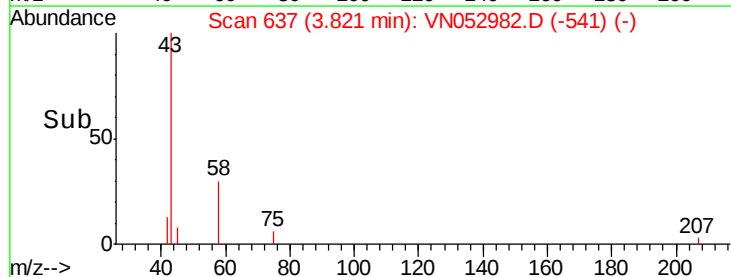
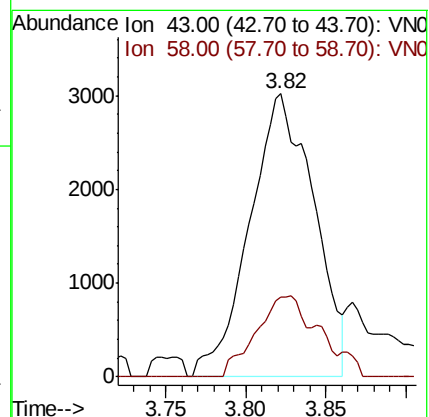
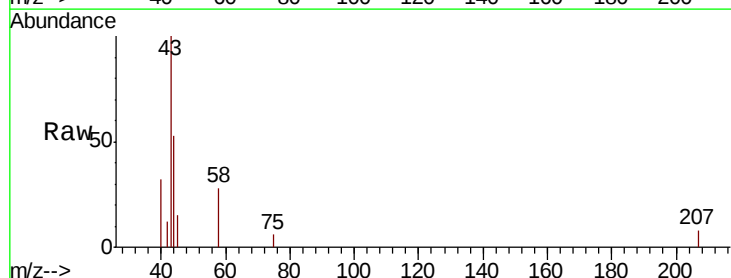
Acq: 19 Dec 2018 1:32

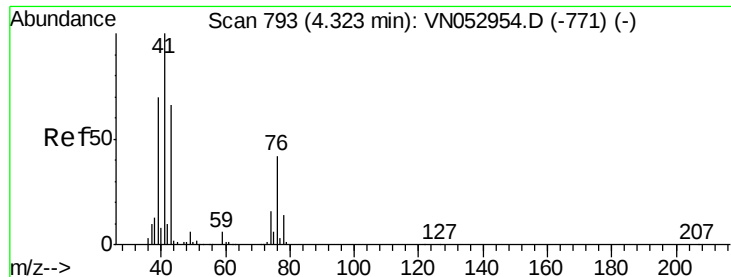
Tgt Ion: 43 Resp: 8376

Ion Ratio Lower Upper

43 100

58 28.1 25.4 38.0

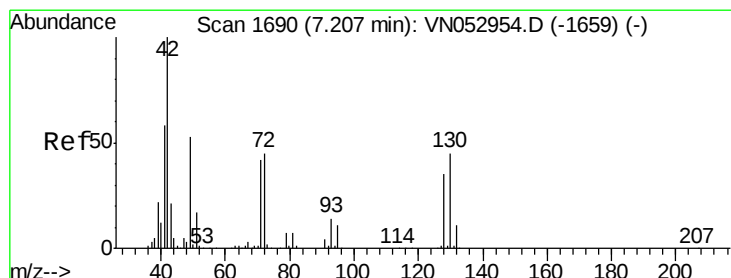
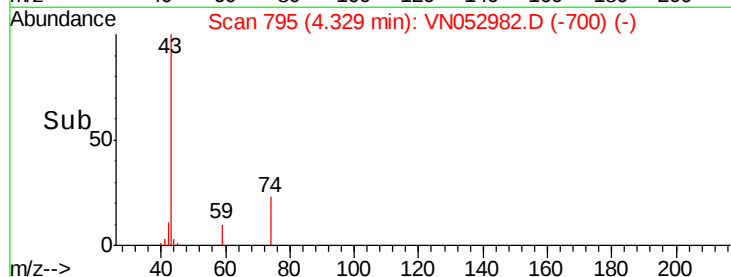
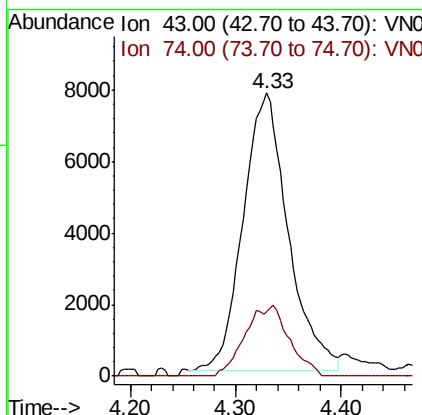
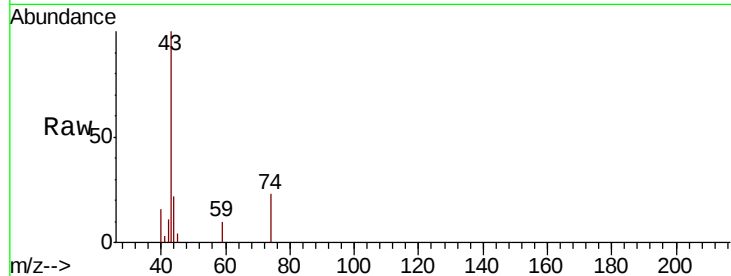




#18
Methyl Acetate
Concen: 2.991 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN052982.D
Acq: 19 Dec 2018 1:32

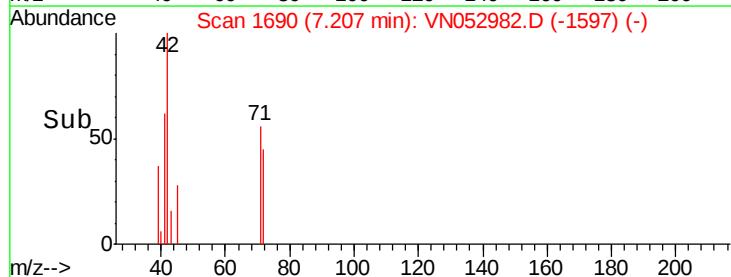
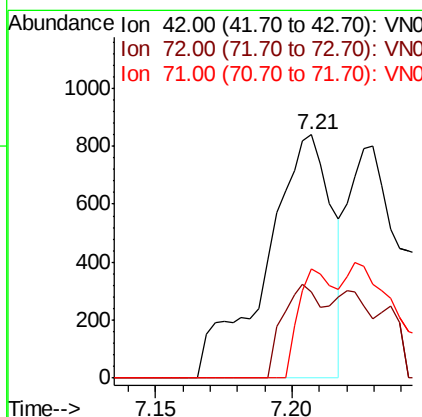
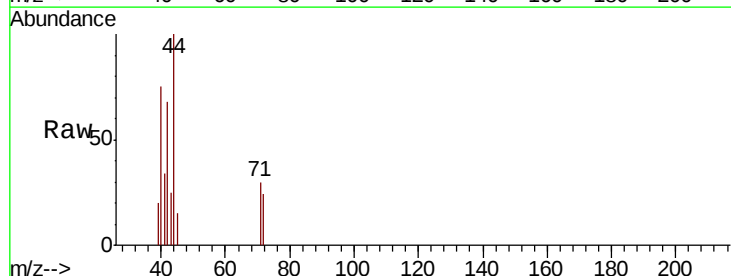
Instrument :
MSVOA_N
ClientSampleId :
P001-SD009-0006-01ME

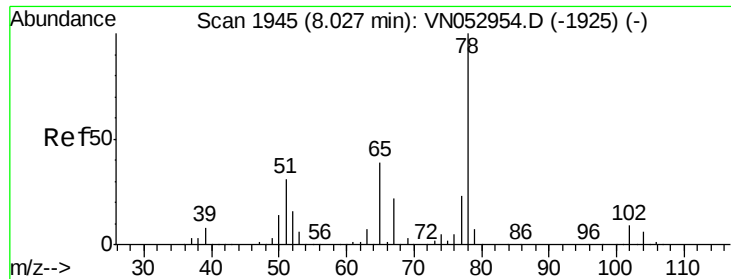
Tot Ion: 43 Resp: 23105
Ion Ratio Lower Upper
43 100
74 11.4 19.2 28.8#



#29
Tetrahydrofuran
Concen: 0.449 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN052982.D
Acq: 19 Dec 2018 1:32

Tgt Ion: 42 Resp: 1404
Ion Ratio Lower Upper
42 100
72 21.4 34.7 52.1#
71 25.4 32.3 48.5#

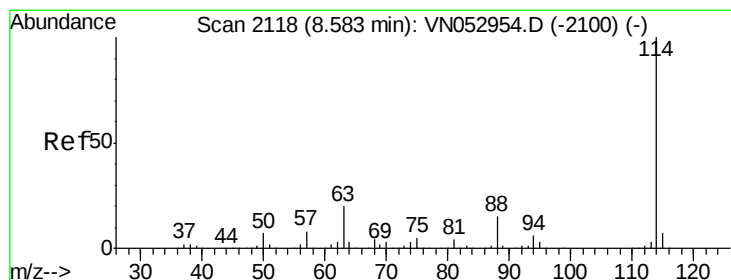
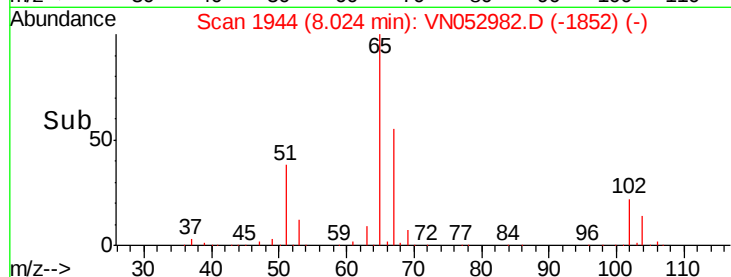
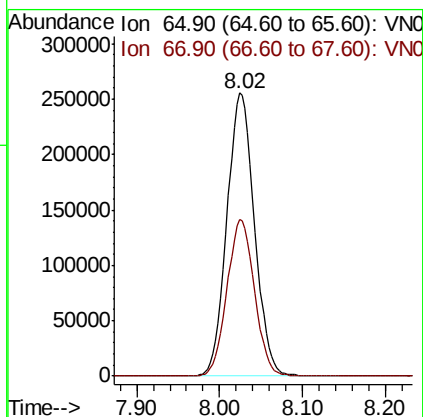
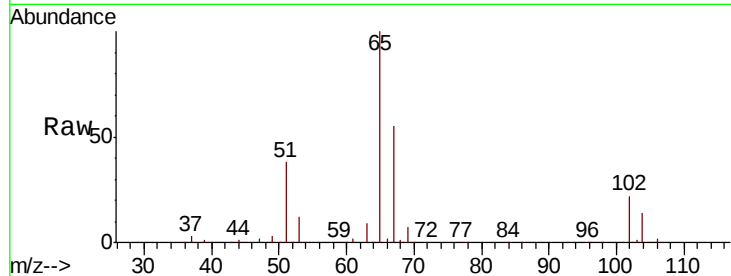




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052982.D
 Acq: 19 Dec 2018 1:32

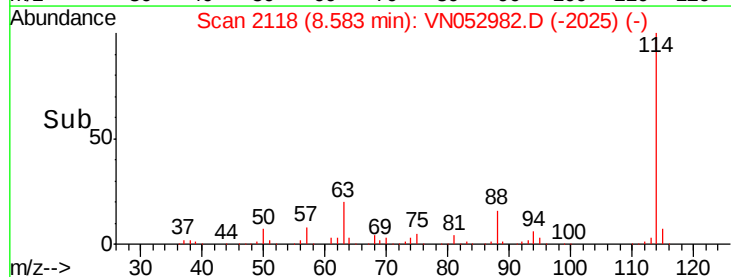
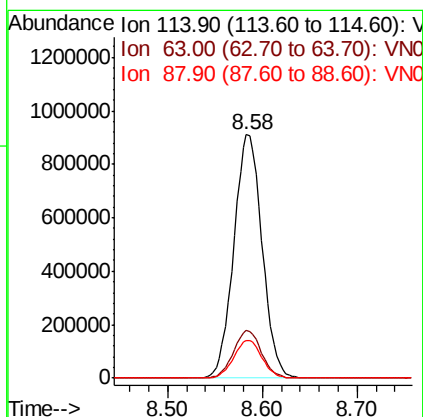
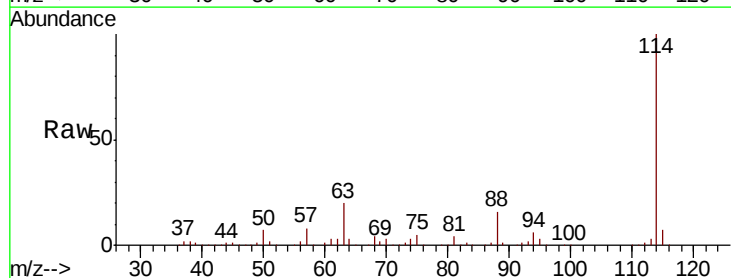
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD009-0006-01ME

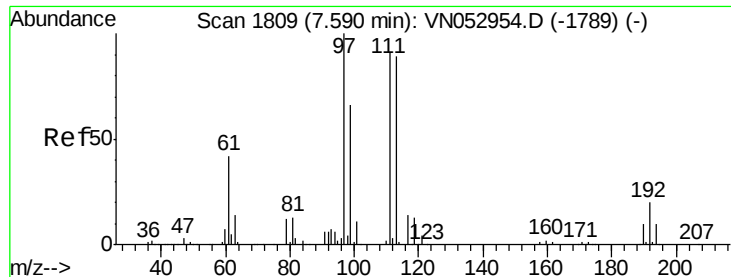
Tot Ion: 65 Resp: 590726
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052982.D
 Acq: 19 Dec 2018 1:32

Tgt Ion: 114 Resp: 1889326
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.7 0.0 31.0

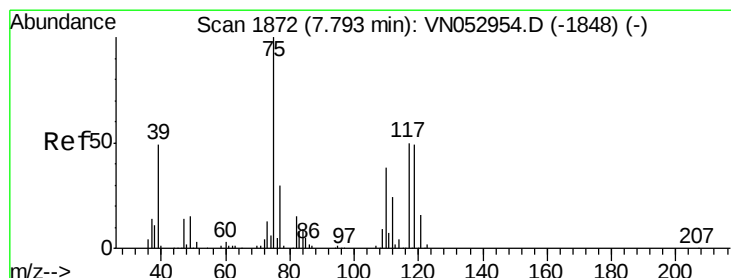
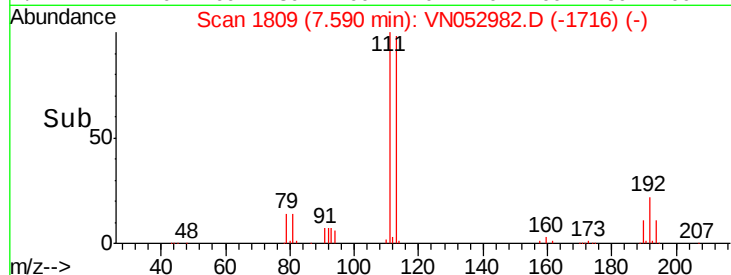
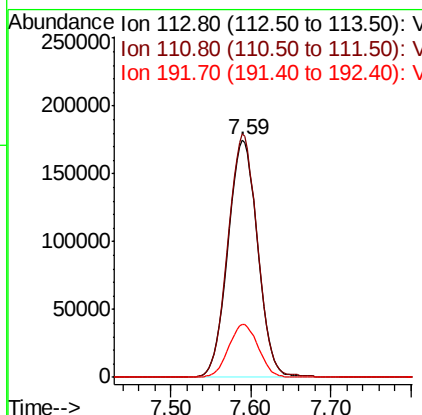
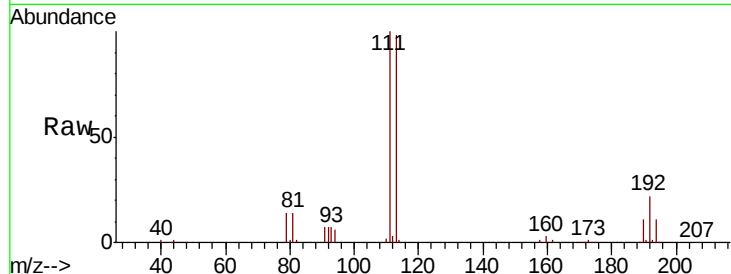




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052982.D
 Acq: 19 Dec 2018 1:32

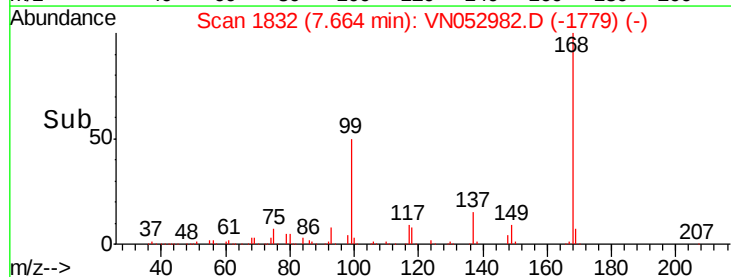
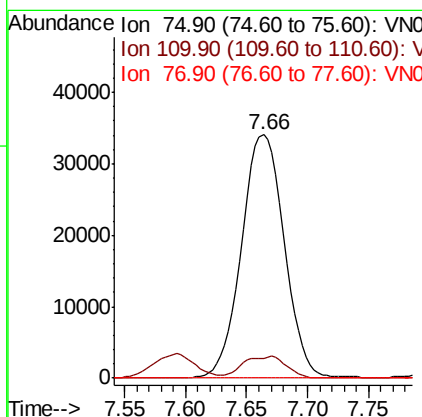
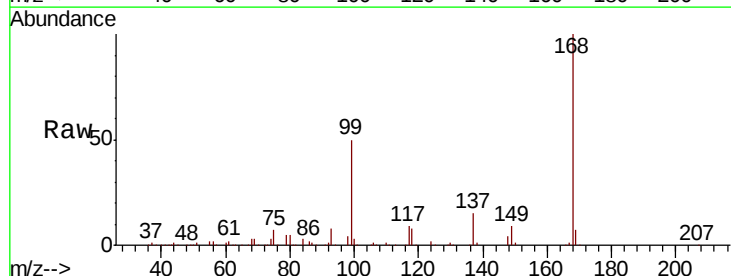
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD009-0006-01ME

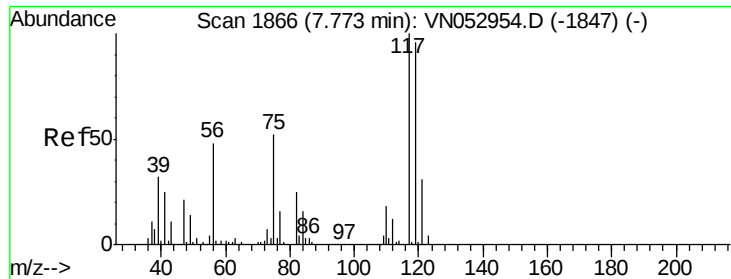
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.0	124.4
192	22.4	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.553 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052982.D
 Acq: 19 Dec 2018 1:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.527 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SD009-0006-01ME

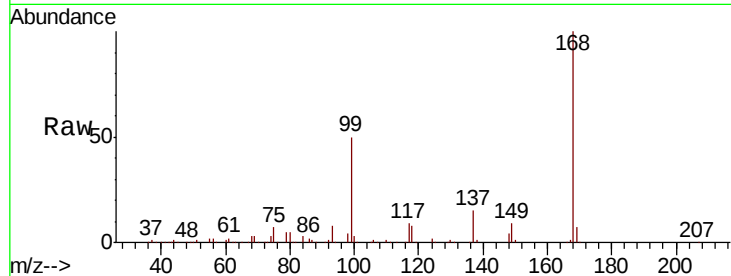
Tot Ion:117 Resp: 108486

Ion Ratio Lower Upper

117 100

119 4.2 77.1 115.7#

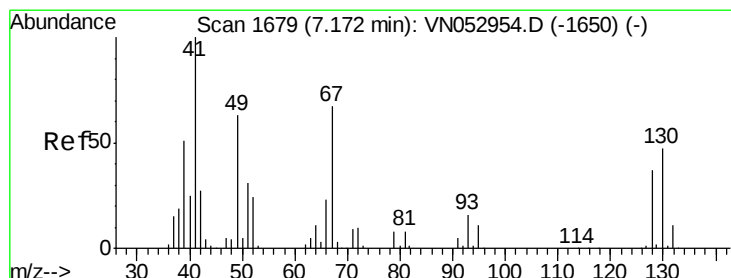
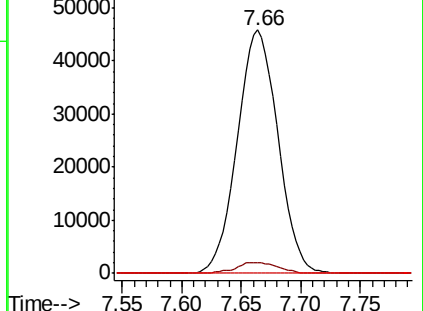
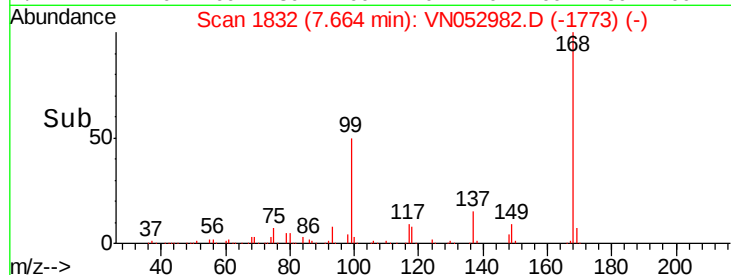
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 0.232 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.05 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

Tgt Ion: 41 Resp: 1356

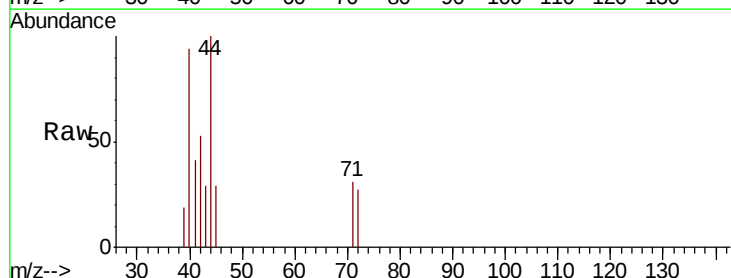
Ion Ratio Lower Upper

41 100

39 18.4 48.0 72.0#

67 0.0 70.3 105.5#

52 0.0 26.9 40.3#

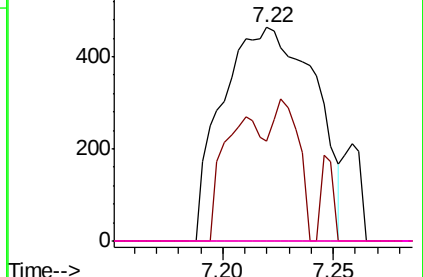
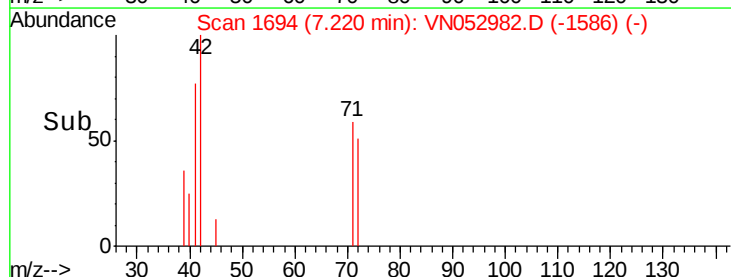


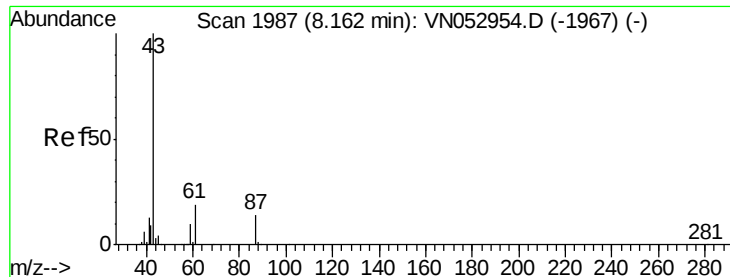
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V



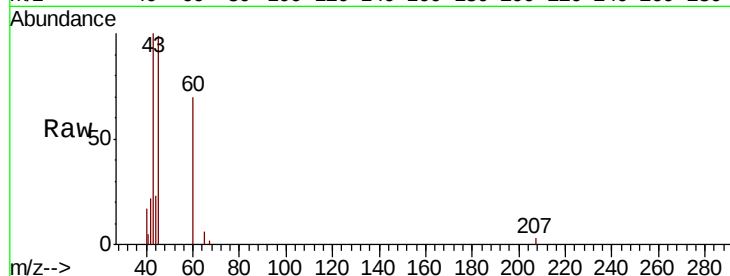


#43

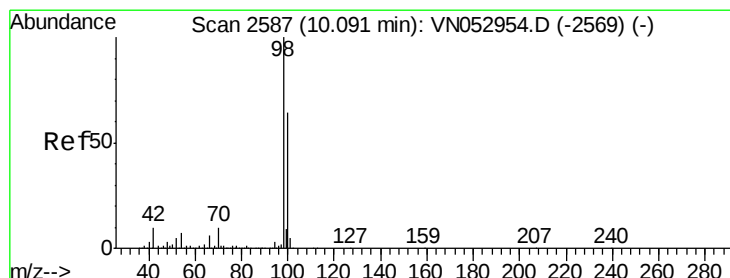
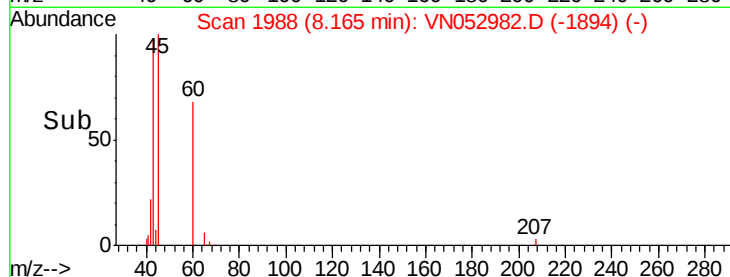
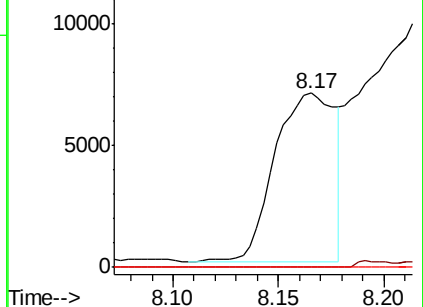
Isopropyl Acetate
 Concen: Below Cal
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN052982.D
 Acq: 19 Dec 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD009-0006-01ME

Tot Ion: 43 Resp: 13777
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.9 34.3#
 87 0.0 10.6 15.8#



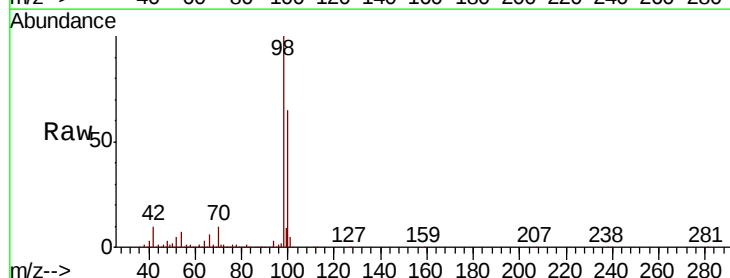
Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 61.00 (60.70 to 61.70): VNC
 Ion 87.00 (86.70 to 87.70): VNC



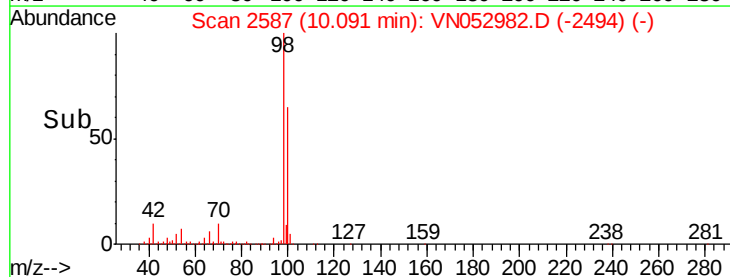
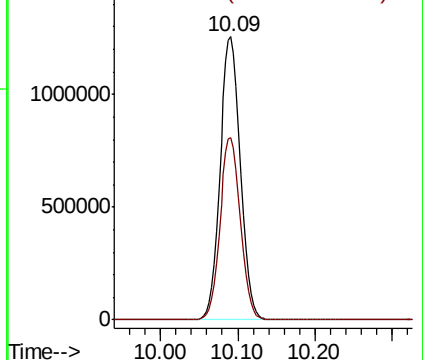
#50

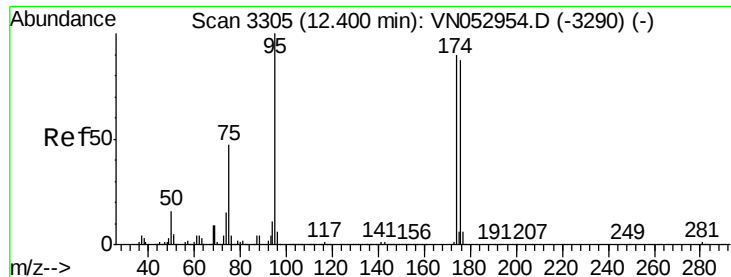
Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052982.D
 Acq: 19 Dec 2018 1:32

Tgt Ion: 98 Resp: 2296584
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.6 77.4



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SD009-0006-01ME

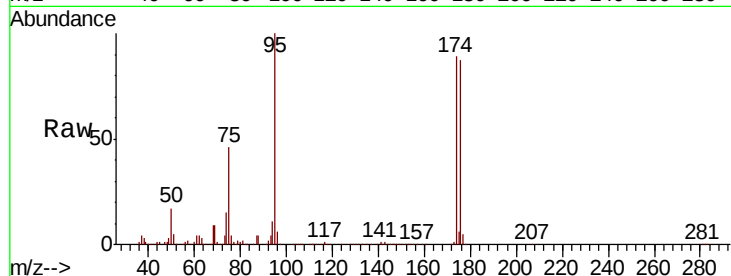
Tot Ion: 95 Resp: 714957

Ion Ratio Lower Upper

95 100

174 88.4 0.0 178.8

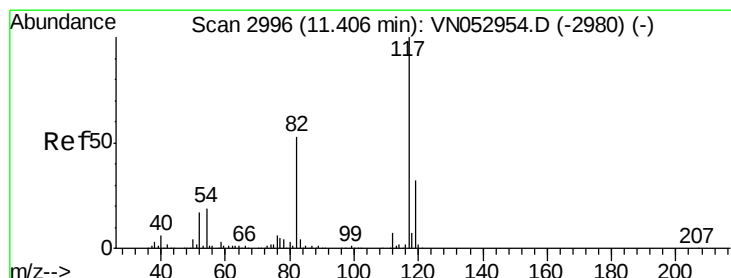
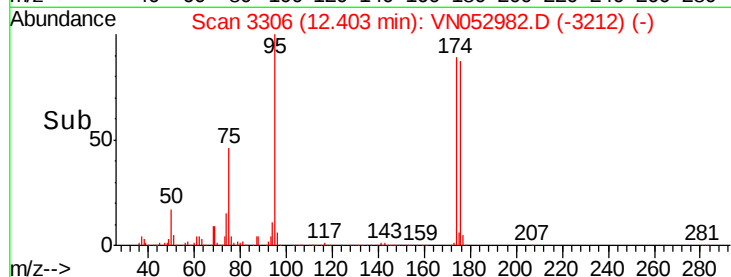
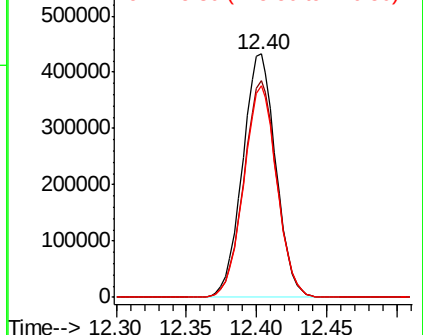
176 86.4 0.0 173.8



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: VN052982.D

Acq: 19 Dec 2018 1:32

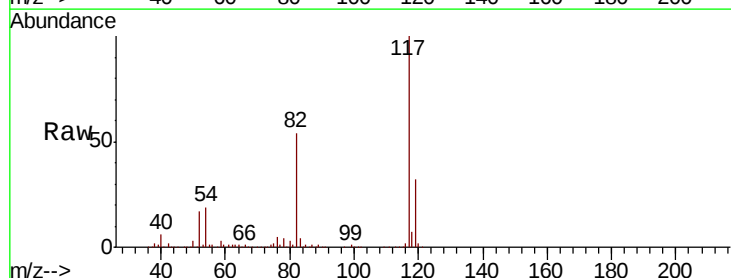
Tgt Ion: 117 Resp: 1645785

Ion Ratio Lower Upper

117 100

82 54.0 42.8 64.2

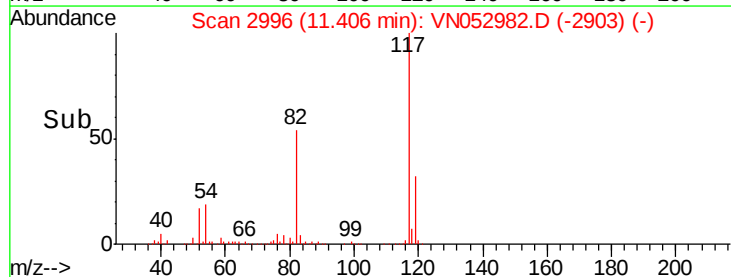
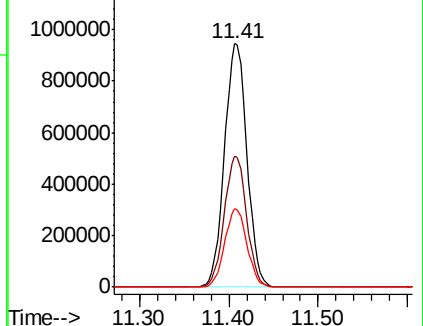
119 32.3 25.5 38.3

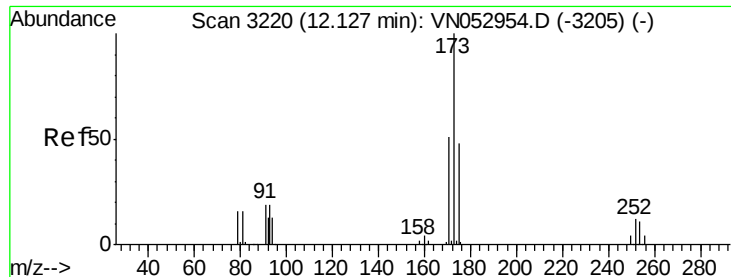


Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

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: 0.451 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SD009-0006-01ME

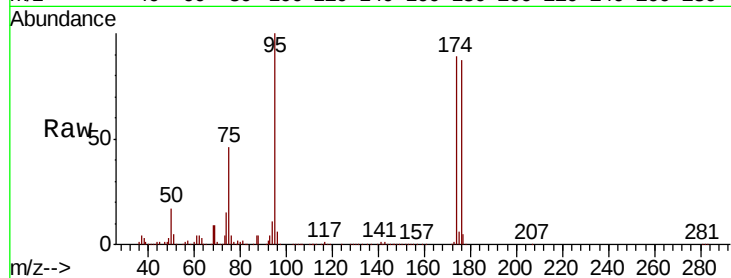
Tot Ion:173 Resp: 4130

Ion Ratio Lower Upper

173 100

175 953.2 24.3 72.9#

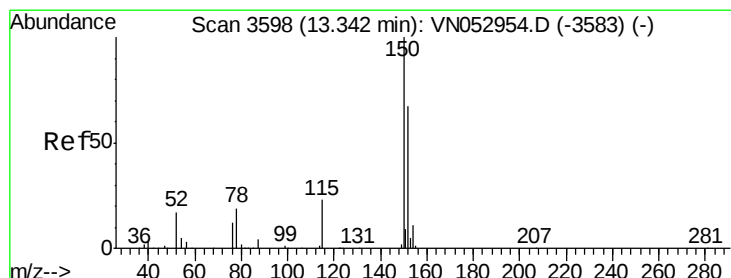
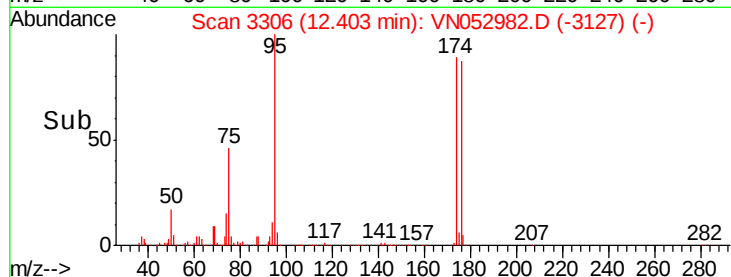
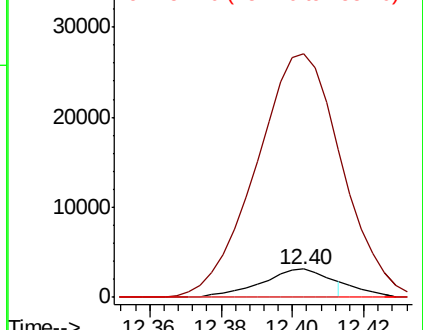
254 0.0 0.1 0.1#



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: VN052982.D

Acq: 19 Dec 2018 1:32

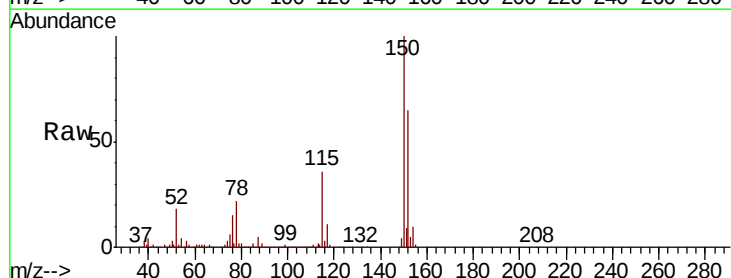
Tgt Ion:152 Resp: 633935

Ion Ratio Lower Upper

152 100

115 56.2 28.3 85.0

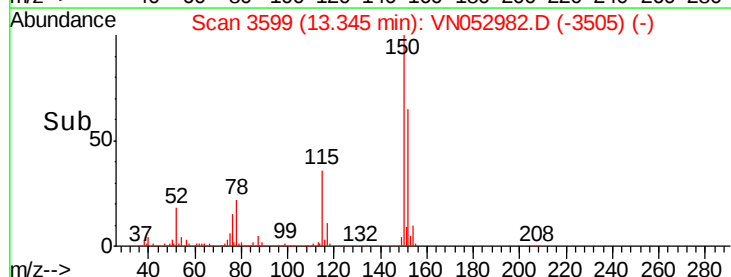
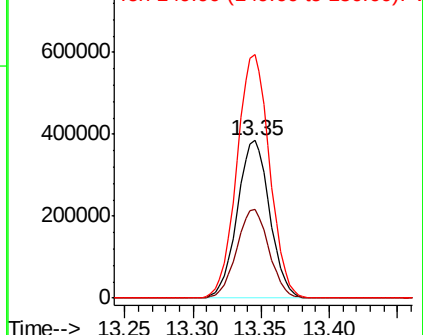
150 156.1 0.0 347.8

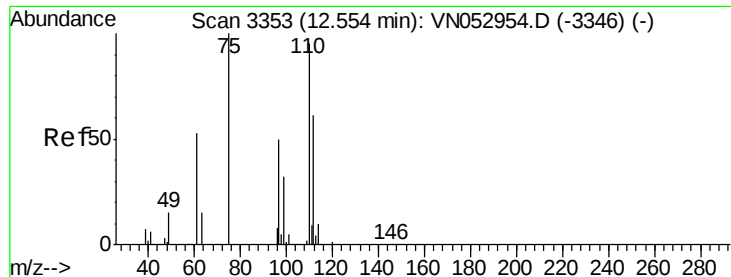


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.131 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

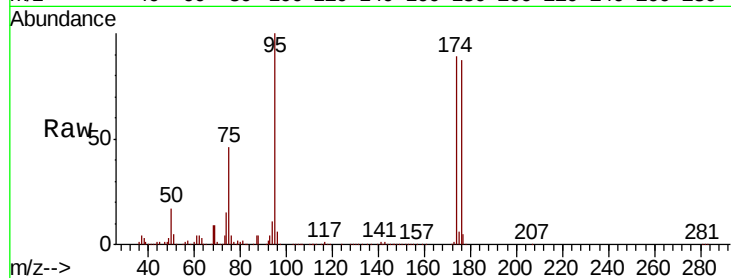
P001-SD009-0006-01ME

Tot Ion: 75 Resp: 332221

Ion Ratio Lower Upper

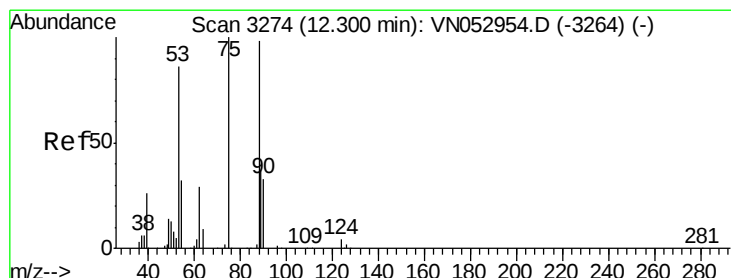
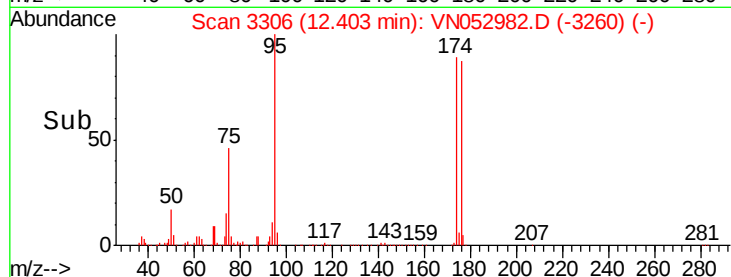
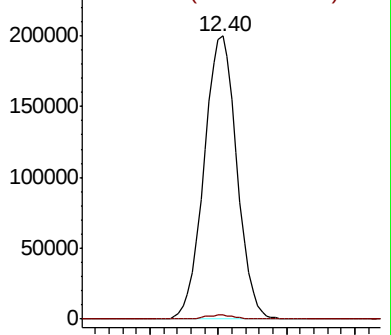
75 100

77 1.3 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: 100.340 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

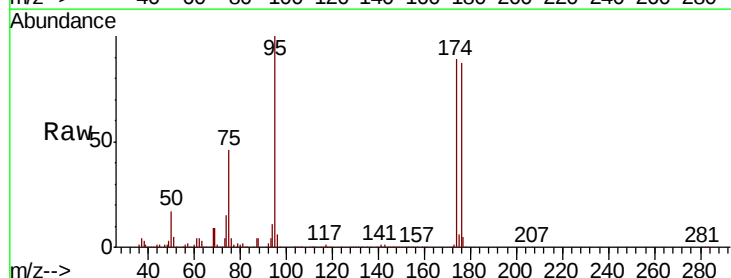
Tgt Ion: 75 Resp: 332221

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

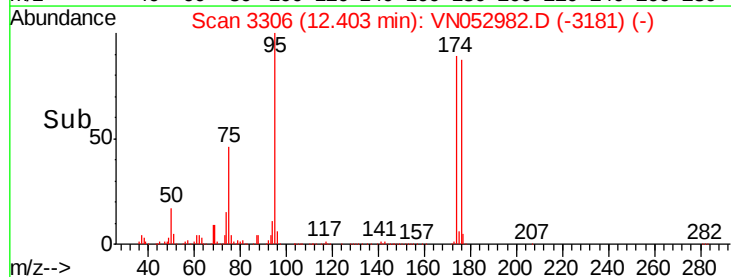
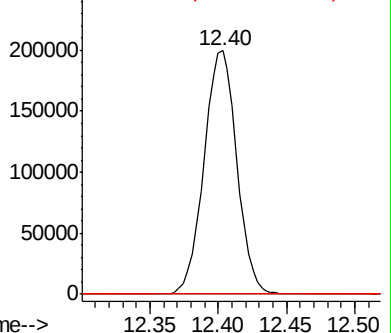
89 0.0 36.1 54.1#

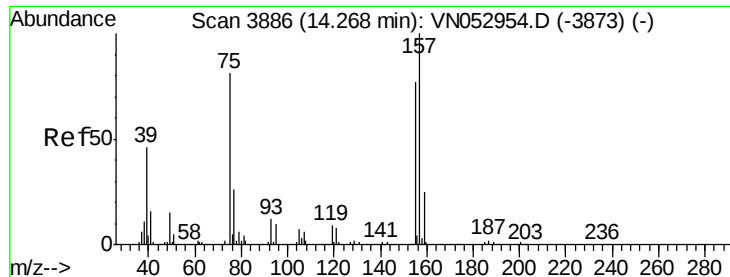


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.278 ug/l

RT: 14.11 min Scan# 3836

Delta R.T. -0.16 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SD009-0006-01ME

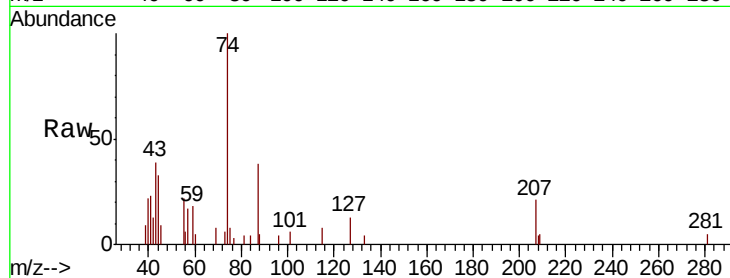
Tot Ion: 75 Resp: 468

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

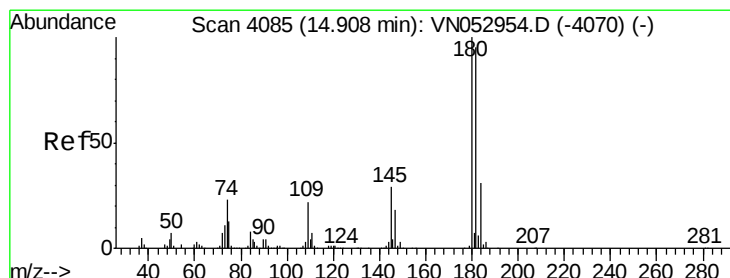
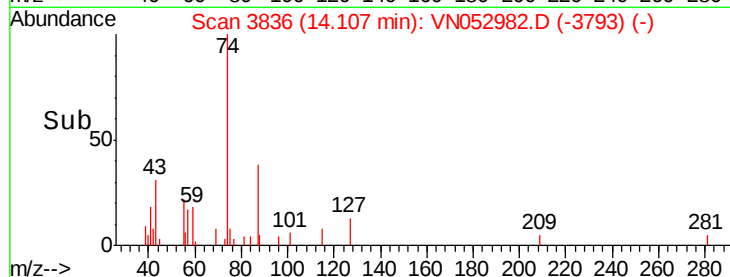
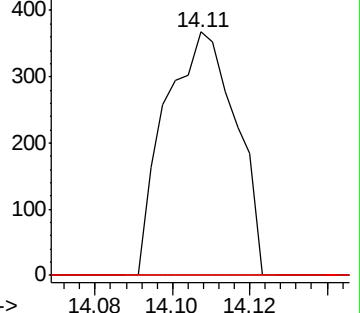
157 0.0 61.2 183.5#



Abundance Ion 74.90 (74.60 to 75.60): VN052982.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN052982.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN052982.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.679 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

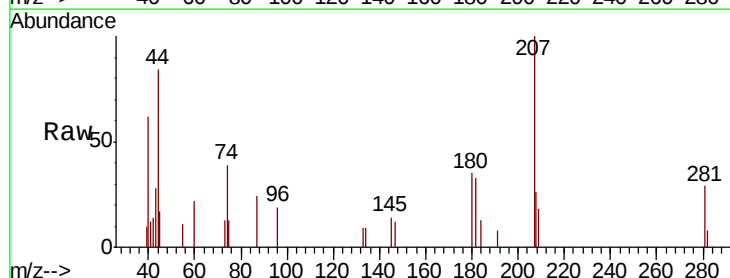
Tgt Ion:180 Resp: 952

Ion Ratio Lower Upper

180 100

182 100.3 47.8 143.3

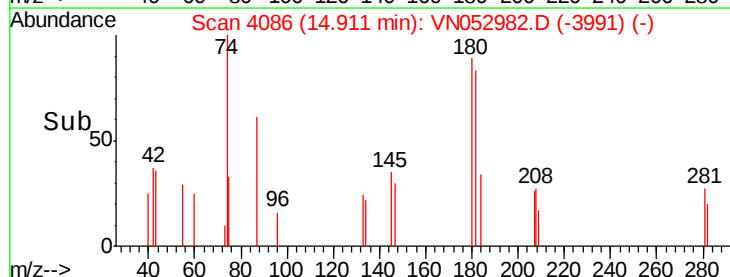
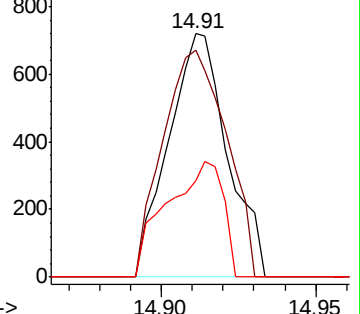
145 45.1 14.2 42.6#

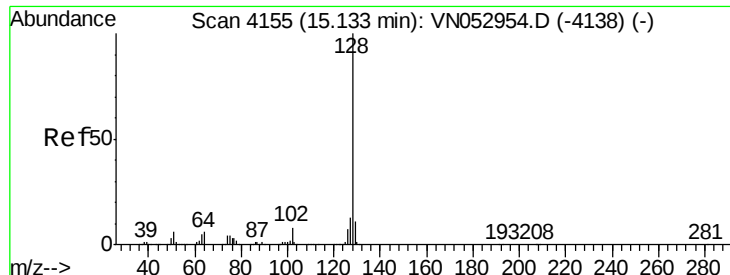


Abundance Ion 179.80 (179.50 to 180.50): VN052982.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN052982.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN052982.D (-3991) (-)





#95

Naphthalene

Concen: 1.247 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SD009-0006-01ME

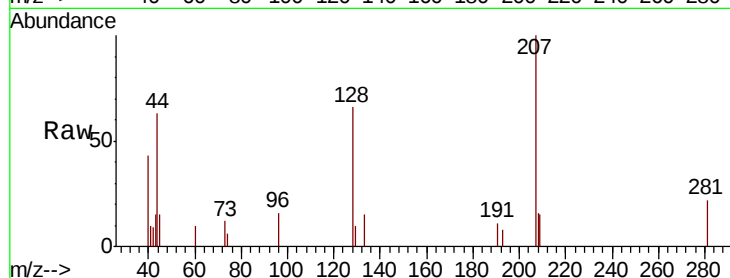
Tot Ion:128 Resp: 2565

Ion Ratio Lower Upper

128 100

127 2.5 10.2 15.4#

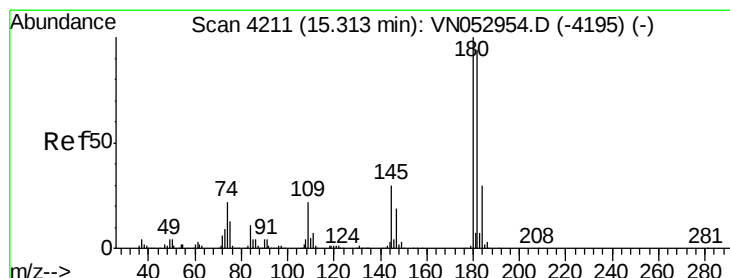
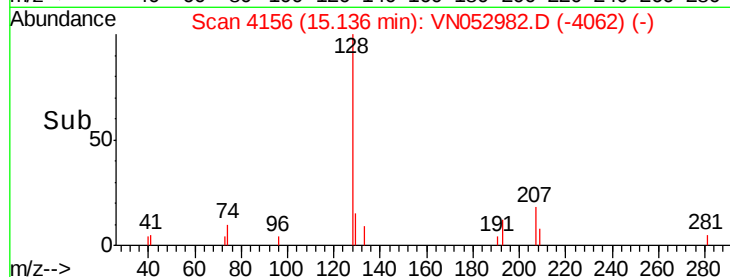
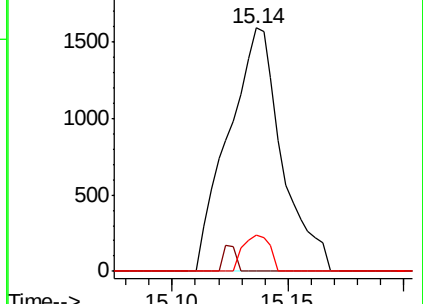
129 7.3 8.6 13.0#



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: 0.574 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN052982.D

Acq: 19 Dec 2018 1:32

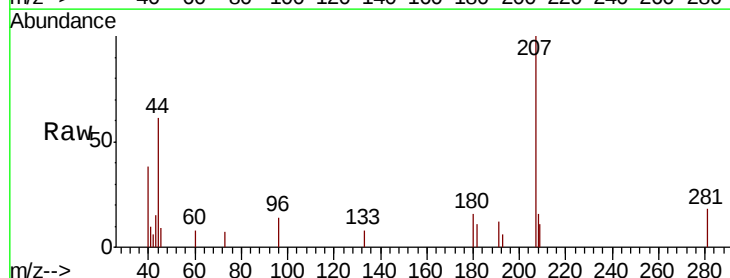
Tgt Ion:180 Resp: 682

Ion Ratio Lower Upper

180 100

182 60.7 47.9 143.7

145 0.0 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

