

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052916.D
 Acq On : 17 Dec 2018 10:15
 Operator : MD\SY
 Sample : VN1217WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBL01

Quant Time: Dec 18 04:41:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1326415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2047587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1799754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	716689	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	675440	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
35) Dibromofluoromethane	7.59	113	531978	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
50) Toluene-d8	10.09	98	2504101	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	801803	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	

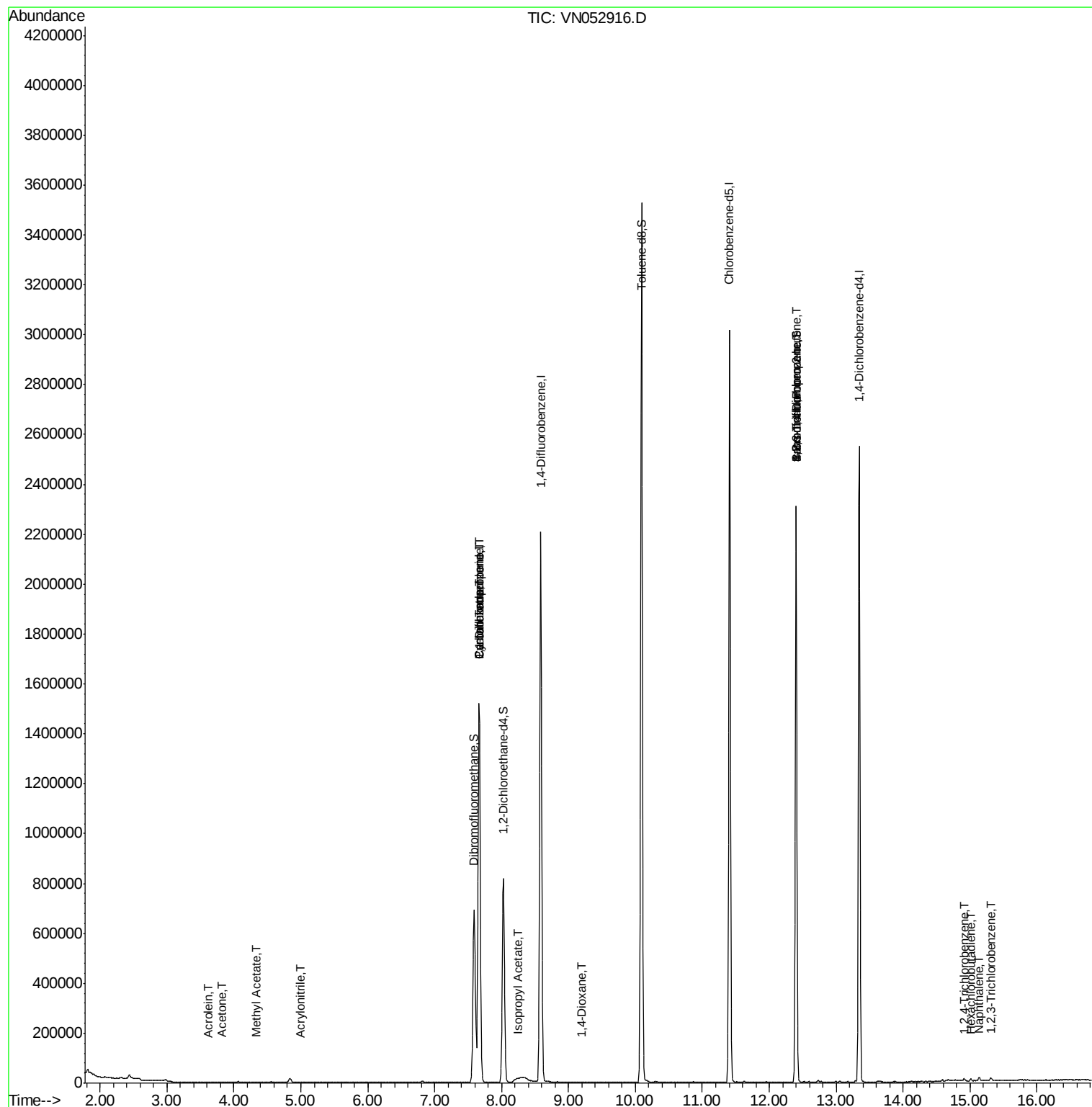
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	489	0.659	ug/l #	79
15) Acrylonitrile	5.00	53	1135	0.257	ug/l #	29
16) Acetone	3.82	43	1922	0.607	ug/l #	85
18) Methyl Acetate	4.33	43	3286	0.283	ug/l #	77
31) Cyclohexane	7.66	56	22434	0.363	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	88889	4.714	ug/l #	49
38) Carbon Tetrachloride	7.66	117	115720	6.668	ug/l #	16
43) Isopropyl Acetate	8.24	43	18005	0.775	ug/l #	53
49) 1,4-Dioxane	9.20	88	150	1.298	ug/l #	15
71) Bromoform	12.40	173	4865	0.551	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	381838	36.111	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	381838	116.007	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	4008	0.317	ug/l	98
94) Hexachlorobutadiene	15.01	225	1772	0.242	ug/l	96
95) Naphthalene	15.14	128	13005	0.497	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	5304	0.457	ug/l	94

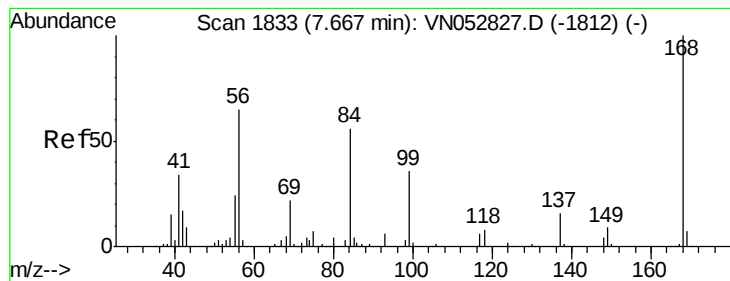
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121718\
Data File : VN052916.D
Acq On : 17 Dec 2018 10:15
Operator : MD\SY
Sample : VN1217WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Quant Time: Dec 18 04:41:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

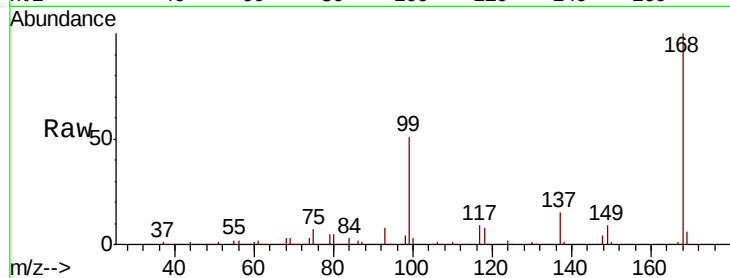
VN1217WBL01

Tot Ion:168 Resp: 1326415

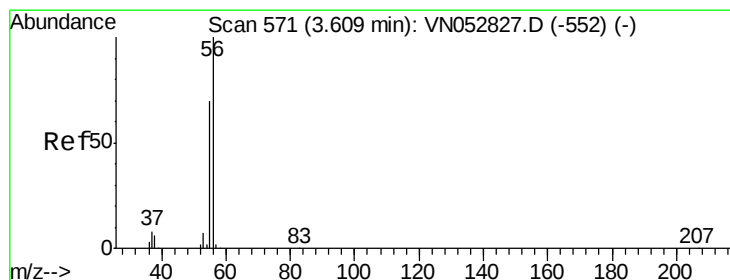
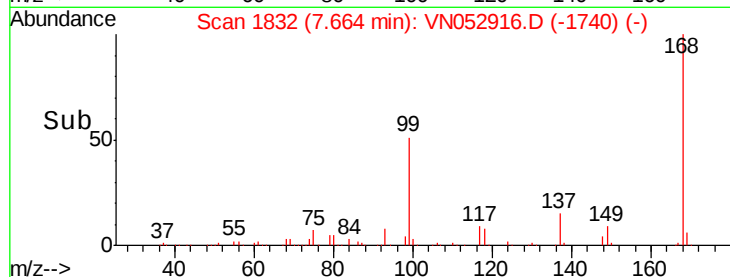
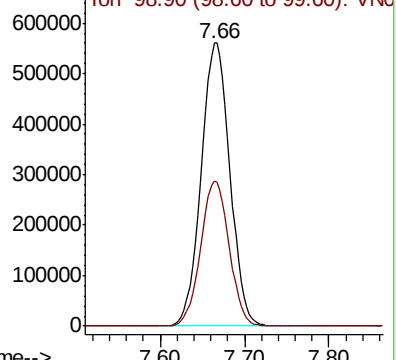
Ion Ratio Lower Upper

168 100

99 51.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)



#13

Acrolein

Concen: 0.659 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052916.D

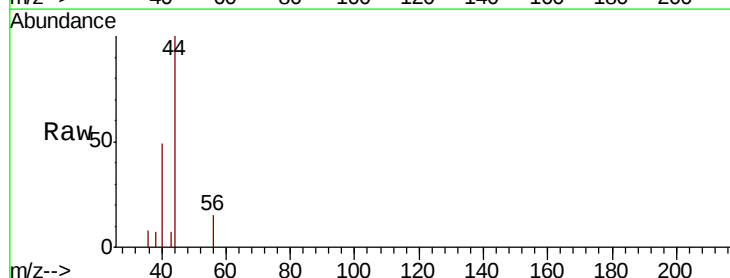
Acq: 17 Dec 2018 10:15

Tgt Ion: 56 Resp: 489

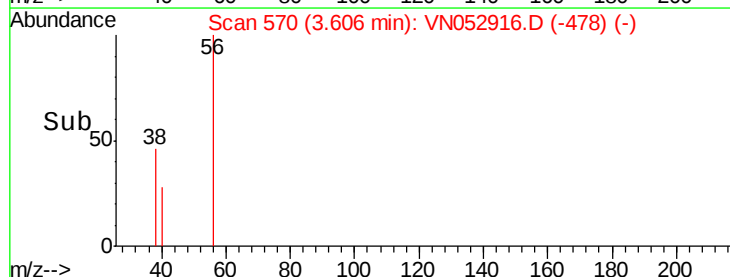
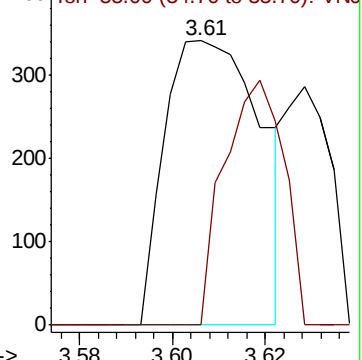
Ion Ratio Lower Upper

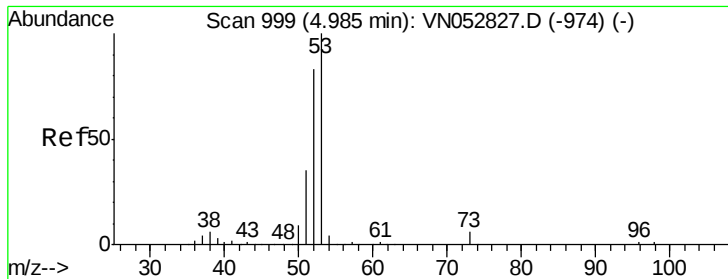
56 100

55 53.6 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-552) (-)





#15

Acrylonitrile

Concen: 0.257 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.02 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampled :

VN1217WBL01

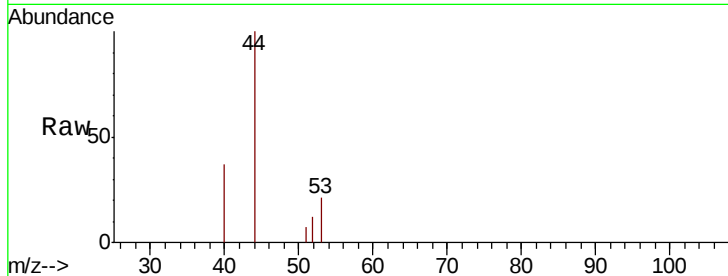
Tot Ion: 53 Resp: 1135

Ion Ratio Lower Upper

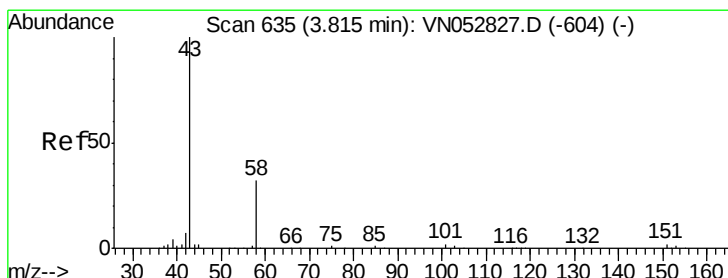
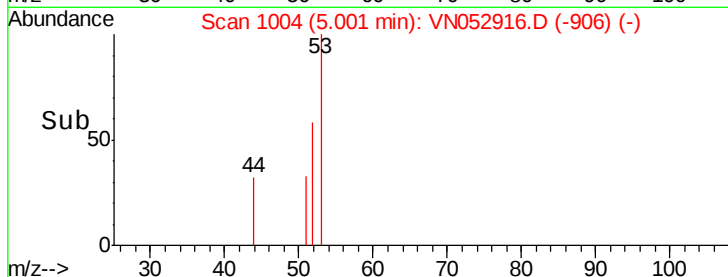
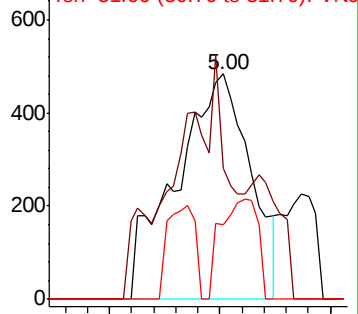
53 100

52 0.0 65.1 97.7#

51 22.1 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VN052916.D (-1004) (-)



#16

Acetone

Concen: 0.607 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052916.D

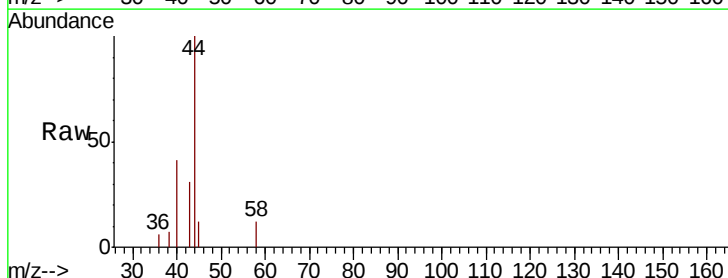
Acq: 17 Dec 2018 10:15

Tgt Ion: 43 Resp: 1922

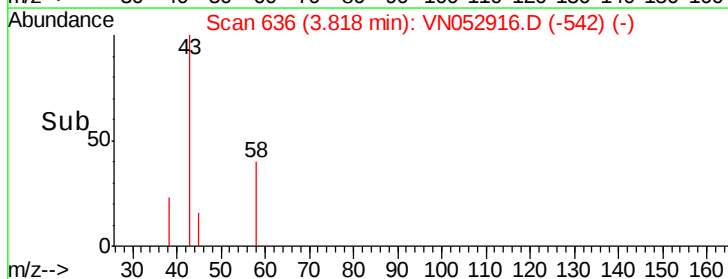
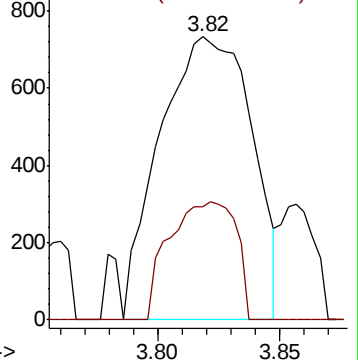
Ion Ratio Lower Upper

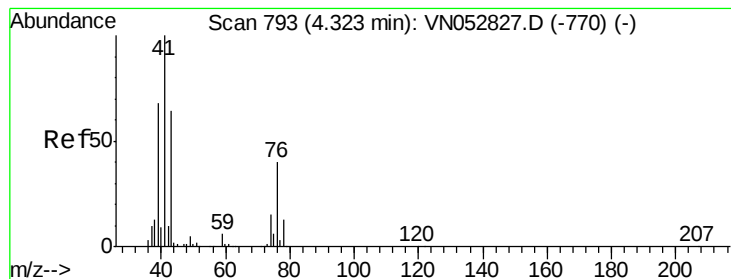
43 100

58 40.1 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN052916.D (-542) (-)





#18

Methvl Acetate

Concen: 0.283 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

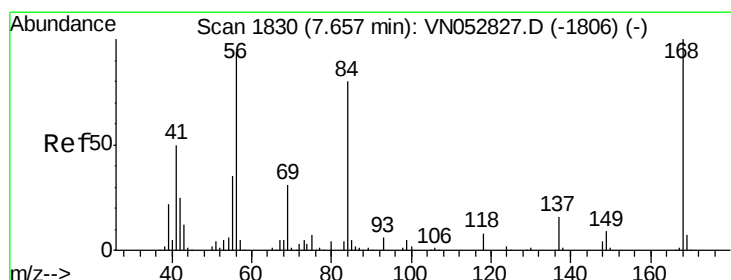
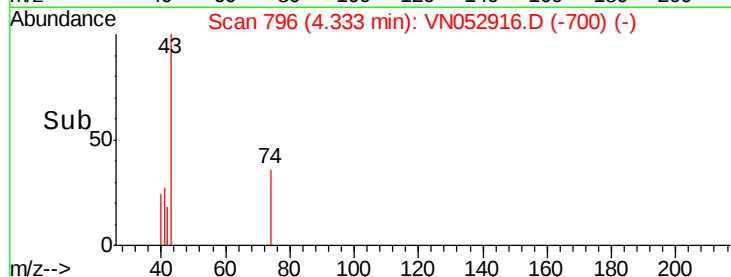
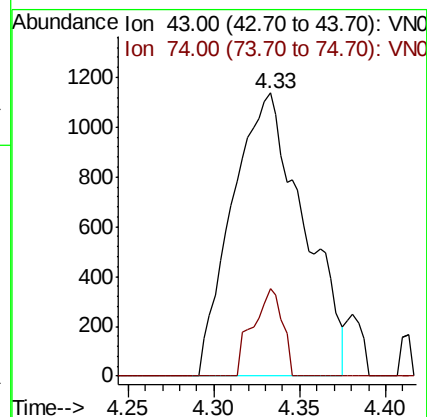
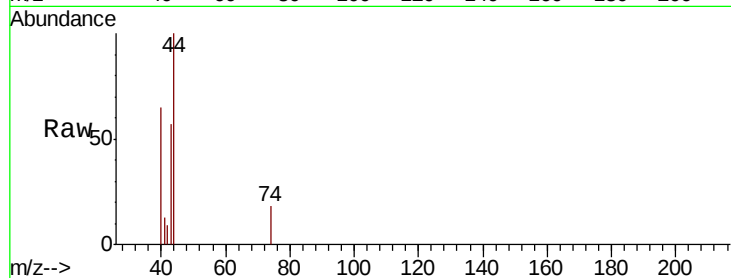
VN1217WBL01

Tot Ion: 43 Resp: 3286

Ion Ratio Lower Upper

43 100

74 12.7 19.2 28.8#



#31

Cyclohexane

Concen: 0.363 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

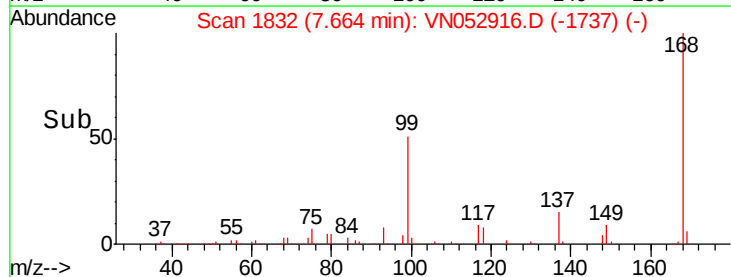
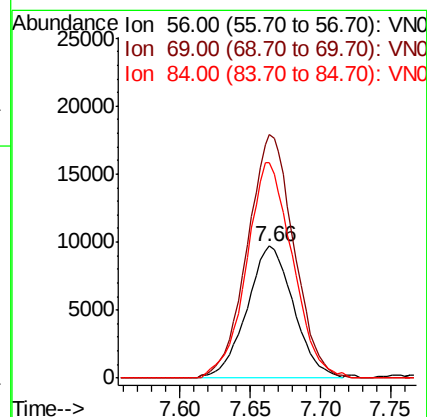
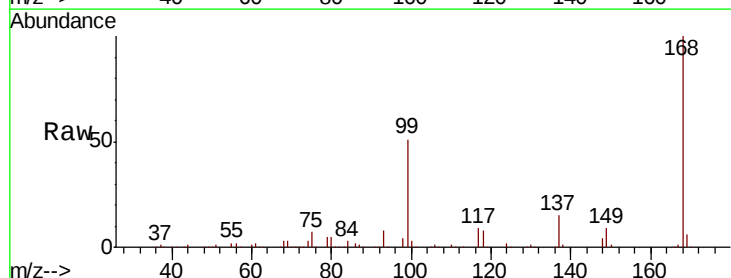
Tgt Ion: 56 Resp: 22434

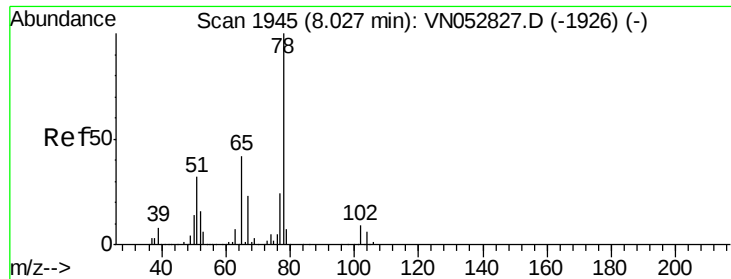
Ion Ratio Lower Upper

56 100

69 184.4 26.6 39.8#

84 163.7 68.4 102.6#

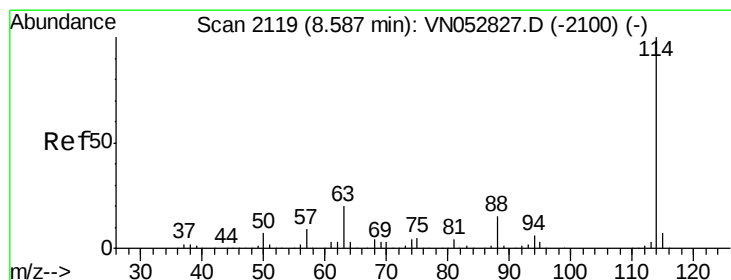
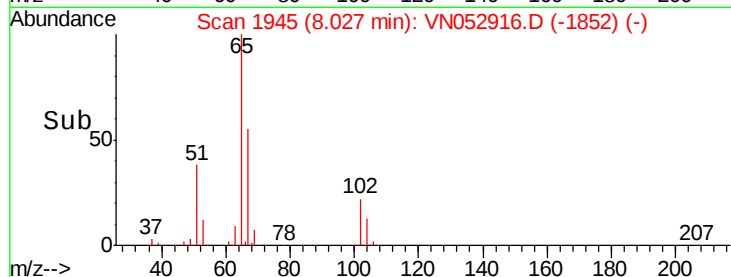
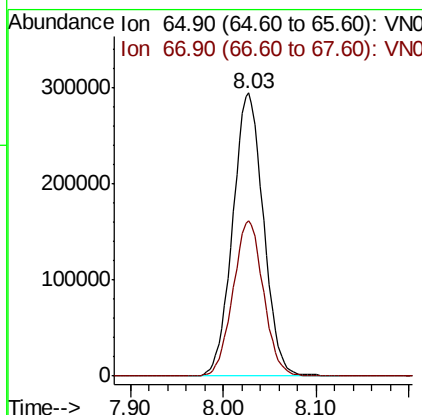
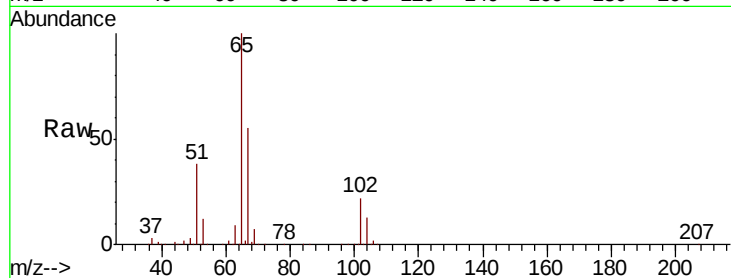




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052916.D
 Acq: 17 Dec 2018 10:15

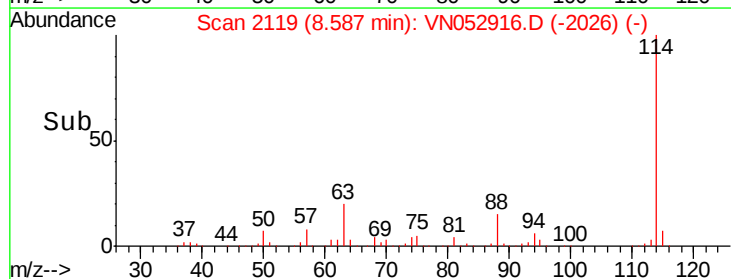
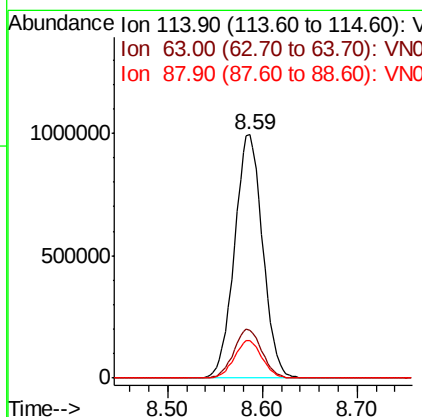
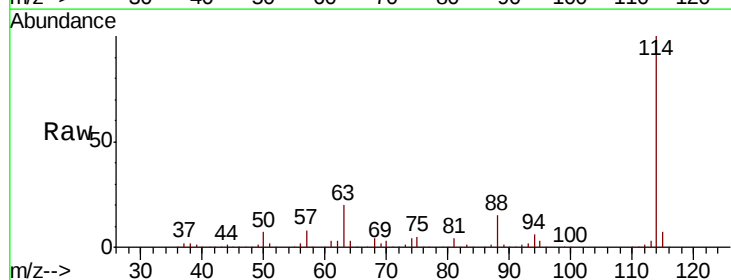
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBL01

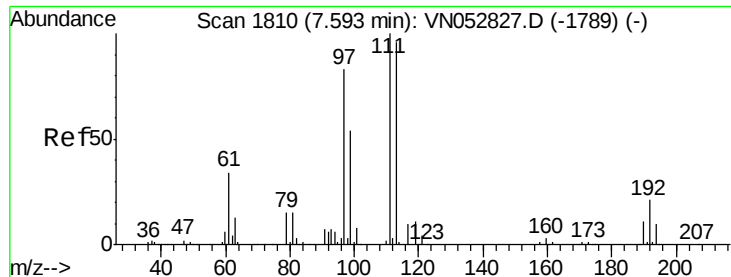
Tot Ion: 65 Resp: 675440
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052916.D
 Acq: 17 Dec 2018 10:15

Tgt Ion: 114 Resp: 2047587
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.3 0.0 31.0

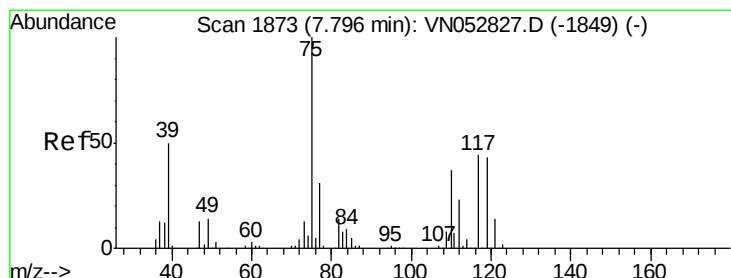
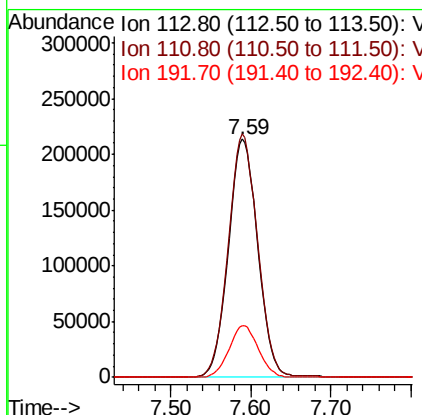
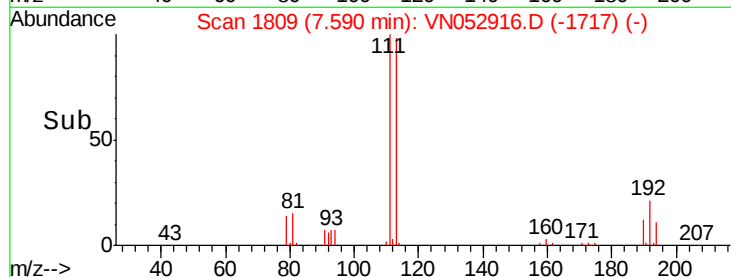
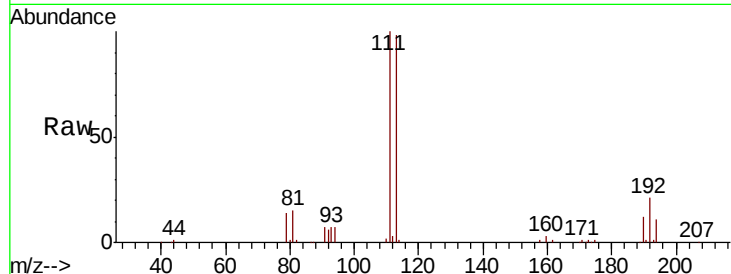




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

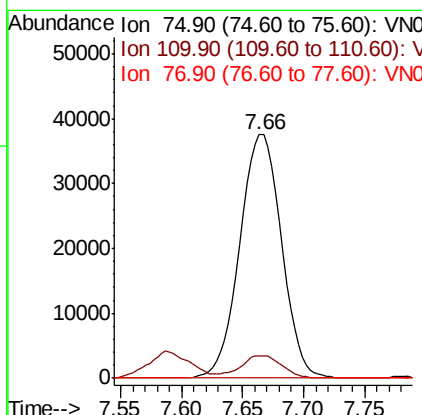
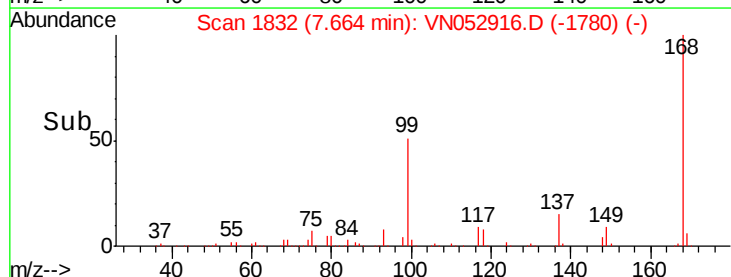
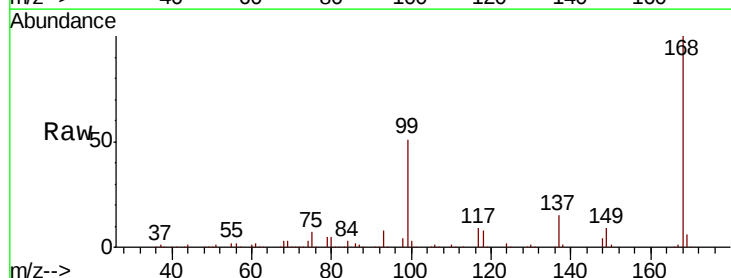
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

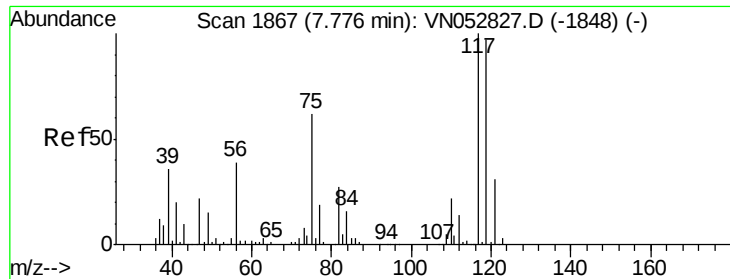
Tot Ion:113 Resp: 531978
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.4
192 21.7 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion: 75 Resp: 88889
Ion Ratio Lower Upper
75 100
110 9.0 18.2 54.6#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.668 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

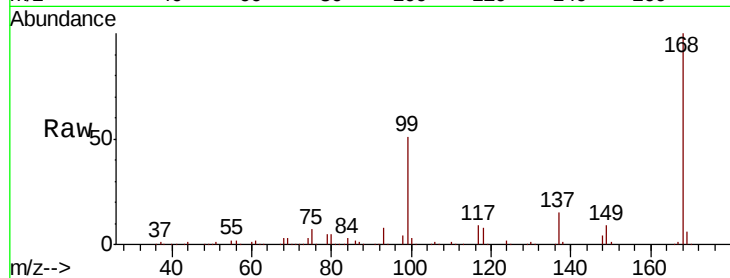
Tot Ion:117 Resp: 115720

Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

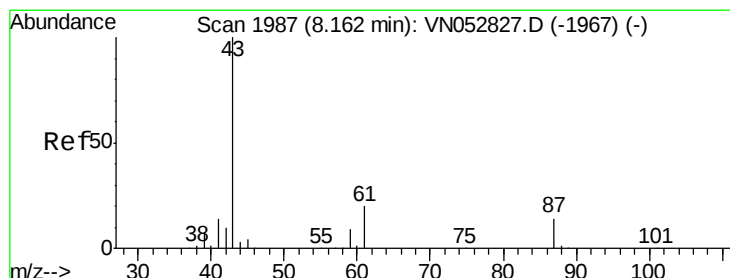
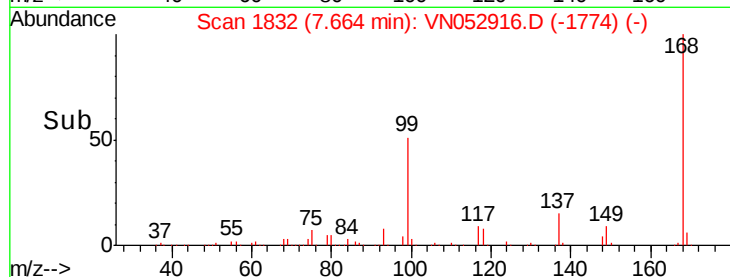
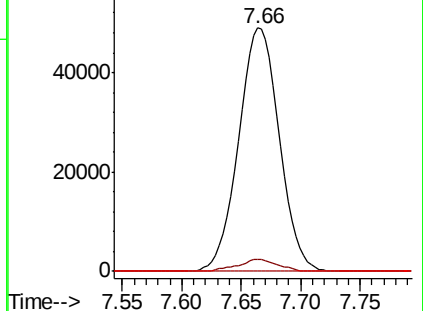
121 0.0 24.9 37.3#



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: 0.775 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.07 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

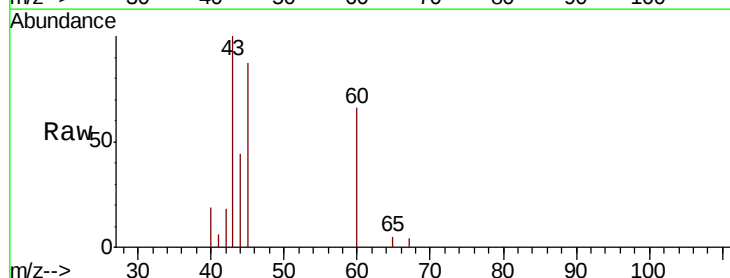
Tgt Ion: 43 Resp: 18005

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

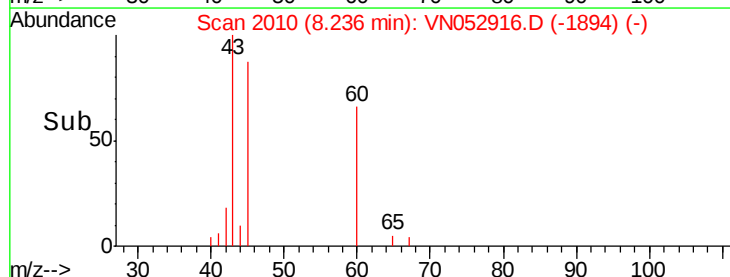
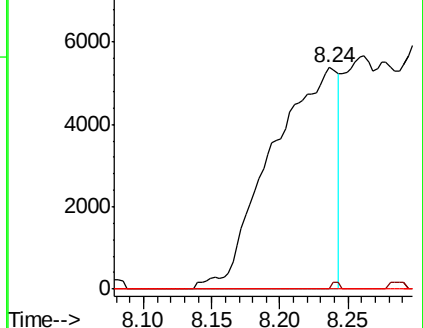
87 0.0 10.6 15.8#

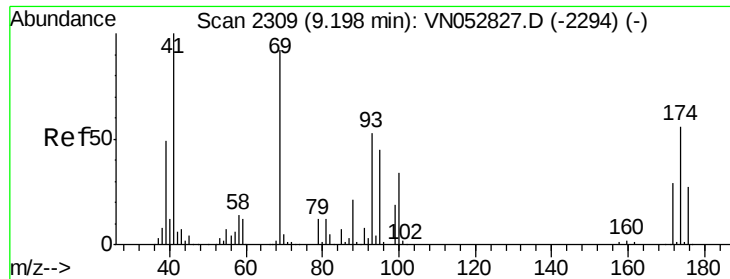


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

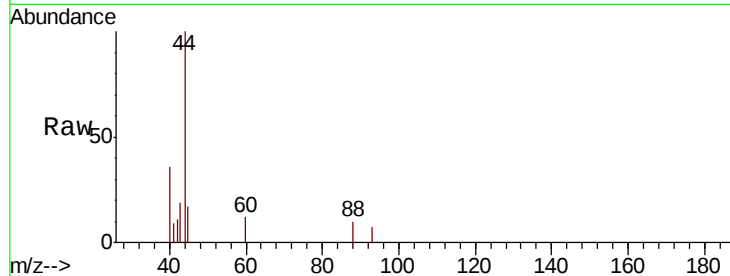




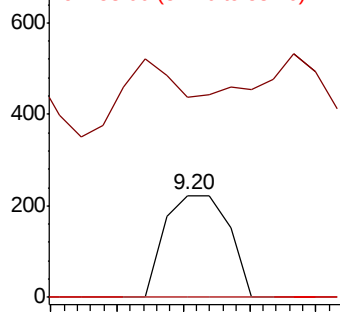
#49
 1,4-Dioxane
 Concen: 1.298 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052916.D
 Acq: 17 Dec 2018 10:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN1217WBL01

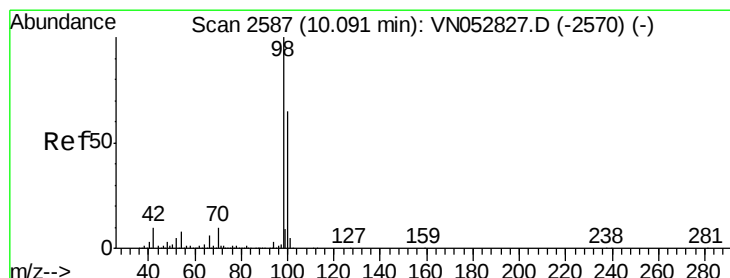
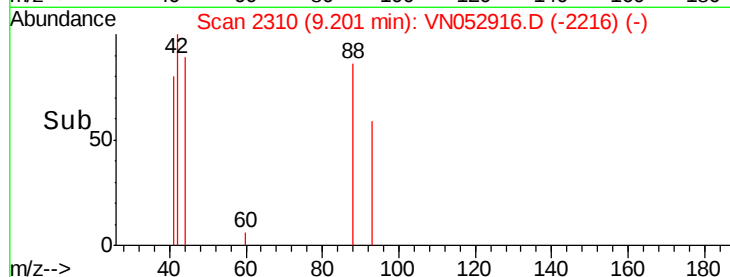
Tot Ion: 88 Resp: 150
 Ion Ratio Lower Upper
 88 100
 43 79.3 26.6 40.0#
 58 0.0 58.4 87.6#



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

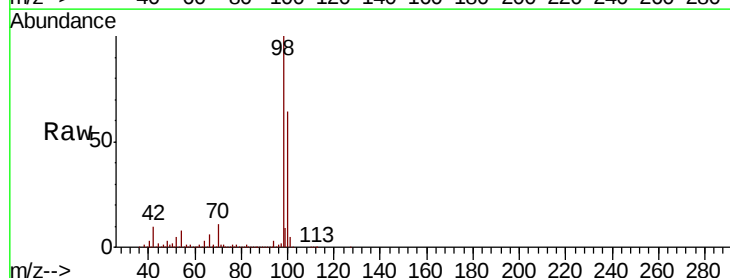


Time--> 9.18 9.19 9.20 9.21 9.22

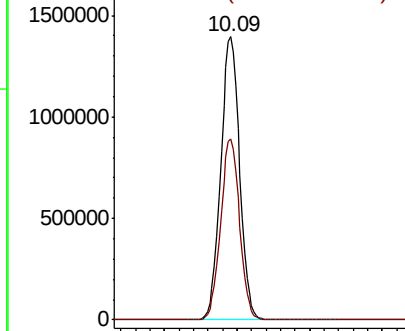


#50
 Toluene-d8
 Concen: 1.298 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052916.D
 Acq: 17 Dec 2018 10:15

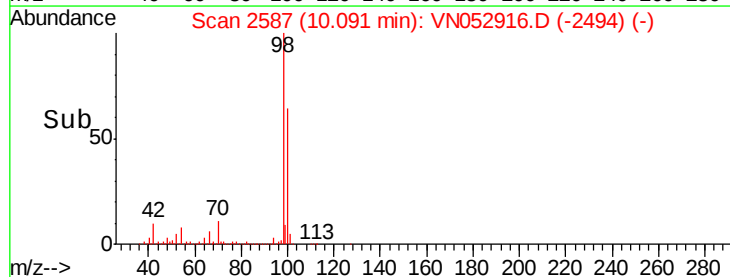
Tgt Ion: 98 Resp: 2504101
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.6 77.4

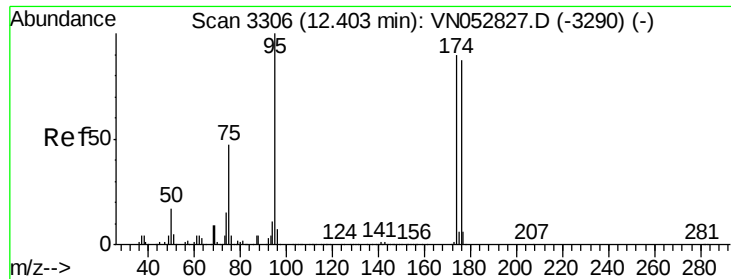


Abundance Ion 98.00 (97.70 to 98.70): VNC
 Ion 100.00 (99.70 to 100.70): VNC



Time--> 10.00 10.10 10.20 10.30





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

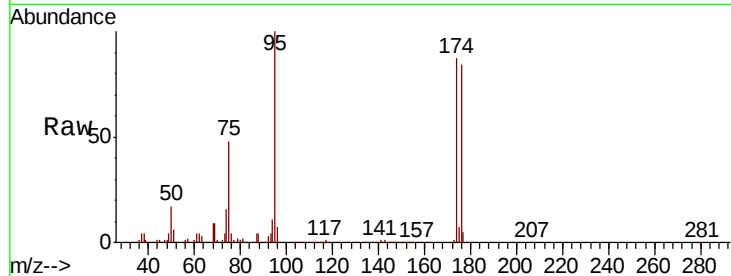
Tot Ion: 95 Resp: 801803

Ion Ratio Lower Upper

95 100

174 88.5 0.0 178.8

176 85.3 0.0 173.8

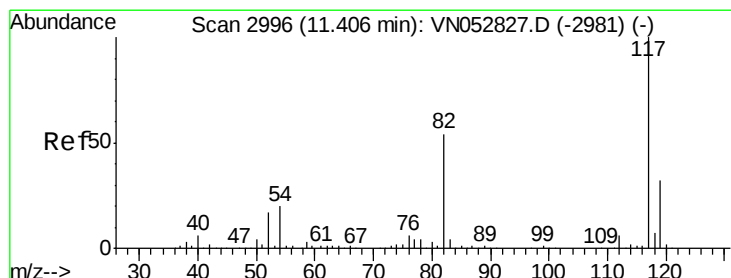
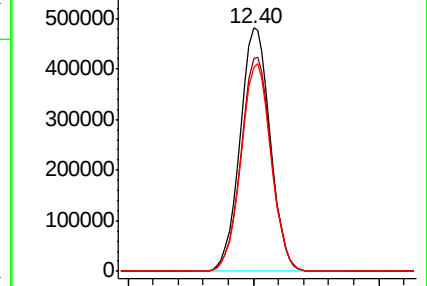
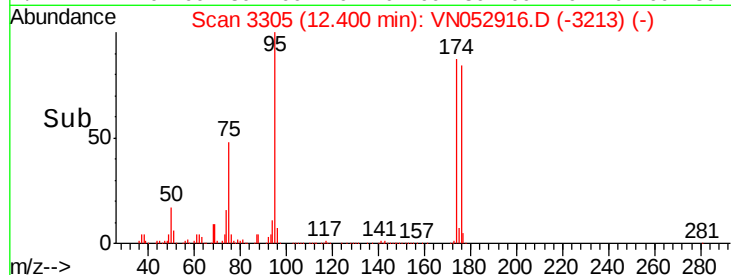


Abundance Ion 94.90 (94.60 to 95.60): VN052827.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052827.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052827.D (-3290) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

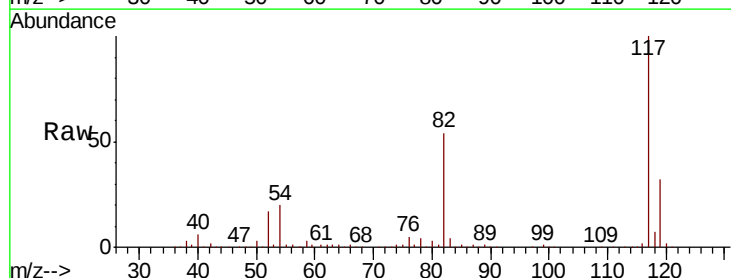
Tgt Ion: 117 Resp: 1799754

Ion Ratio Lower Upper

117 100

82 53.9 42.8 64.2

119 32.1 25.5 38.3

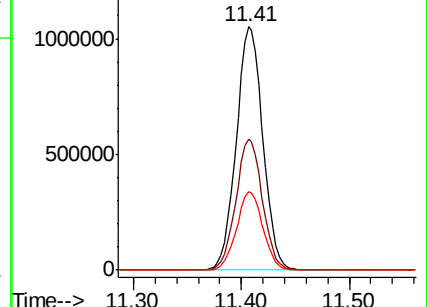
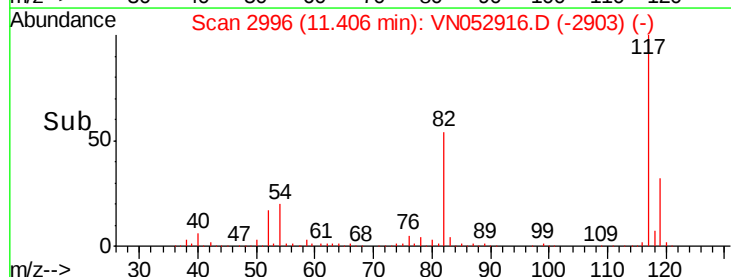


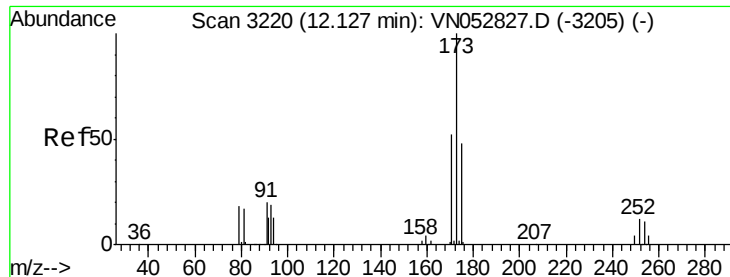
Abundance Ion 116.90 (116.60 to 117.60): VN052827.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052827.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052827.D (-2981) (-)

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.551 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

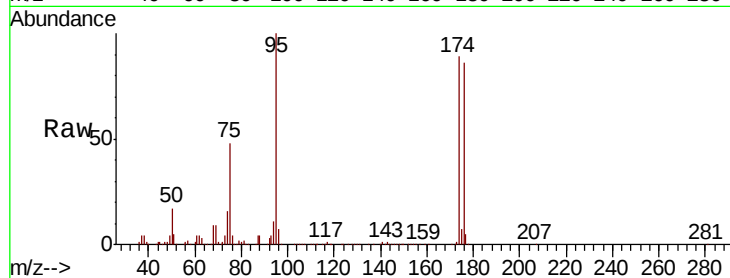
Tot Ion:173 Resp: 4865

Ion Ratio Lower Upper

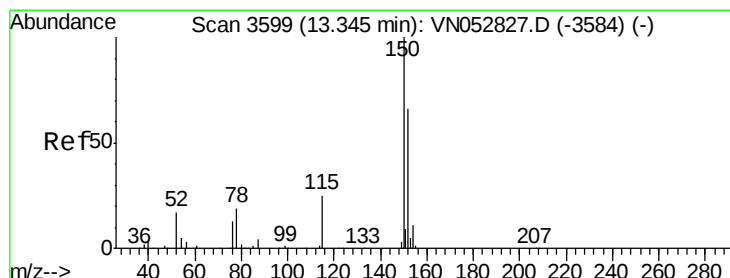
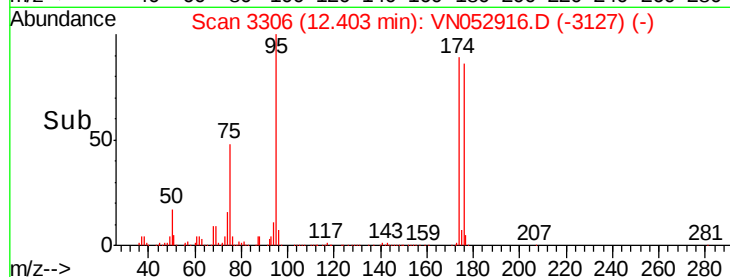
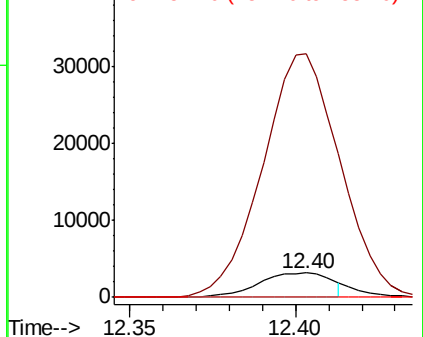
173 100

175 927.5 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: VN052916.D

Acq: 17 Dec 2018 10:15

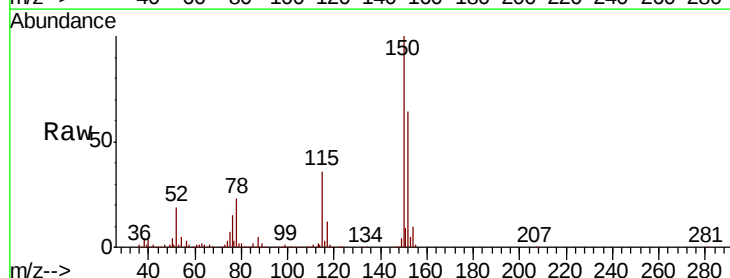
Tgt Ion:152 Resp: 716689

Ion Ratio Lower Upper

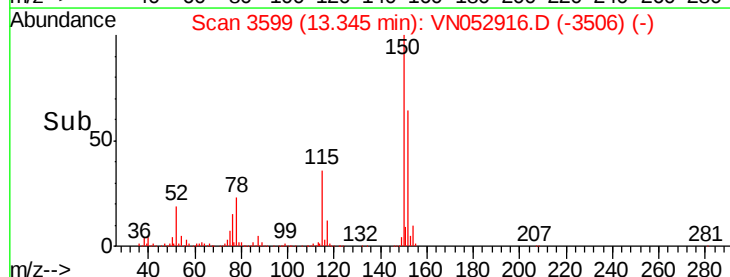
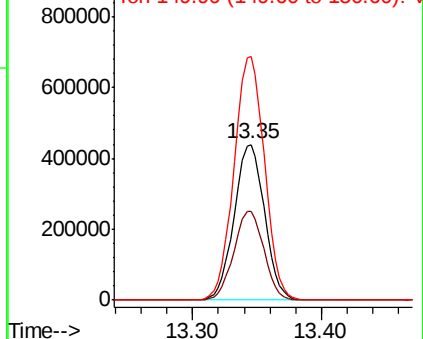
152 100

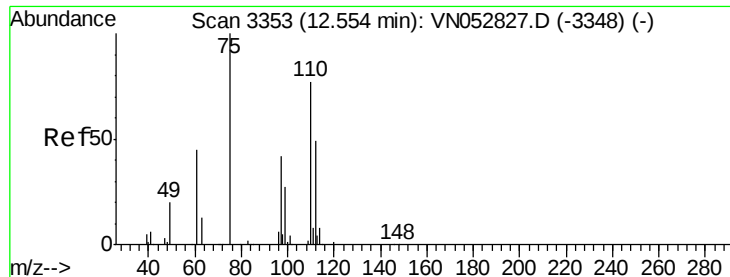
115 56.8 28.3 85.0

150 157.2 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: 36.111 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampled :

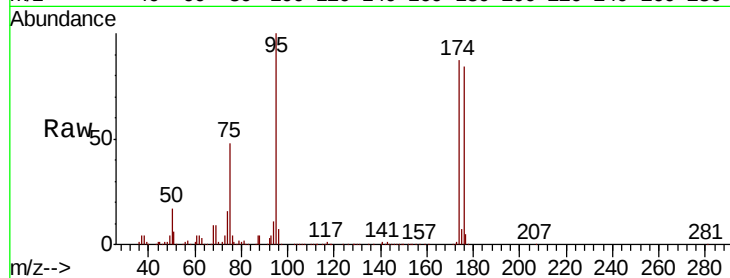
VN1217WBL01

Tot Ion: 75 Resp: 381838

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

12.40

250000

200000

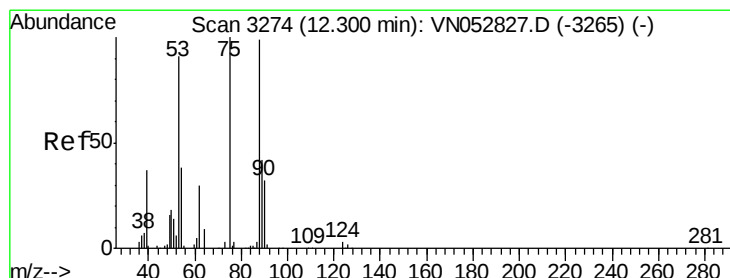
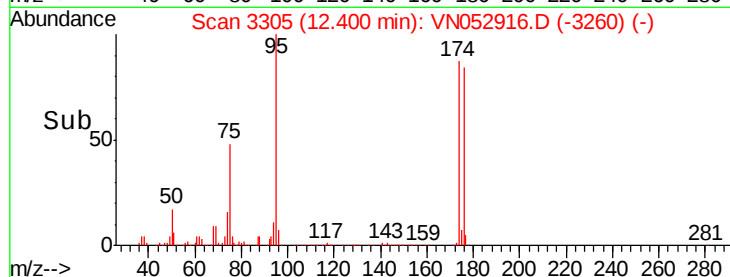
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 116.007 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

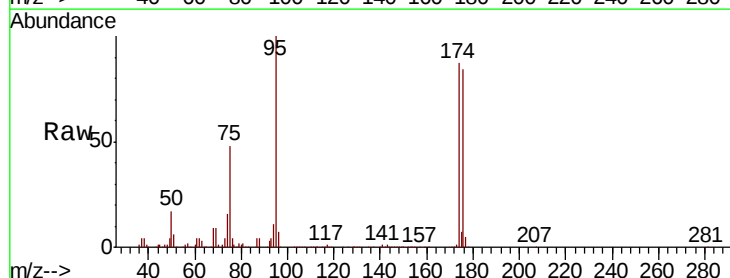
Tgt Ion: 75 Resp: 381838

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

12.40

300000

250000

200000

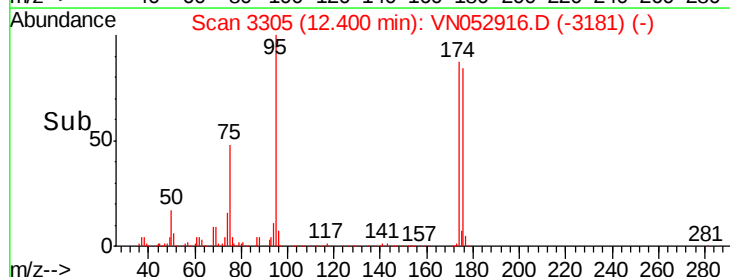
150000

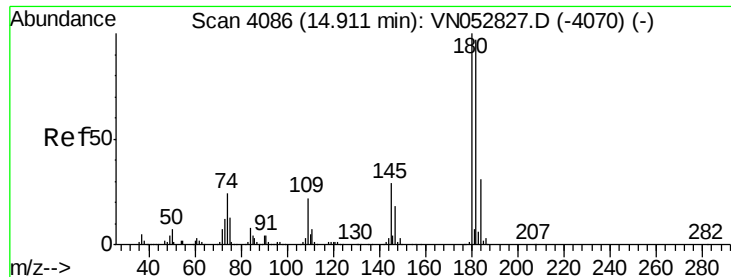
100000

50000

0

Time--> 12.30 12.40 12.50





#93

1,2,4-Trichlorobenzene

Concen: 0.317 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

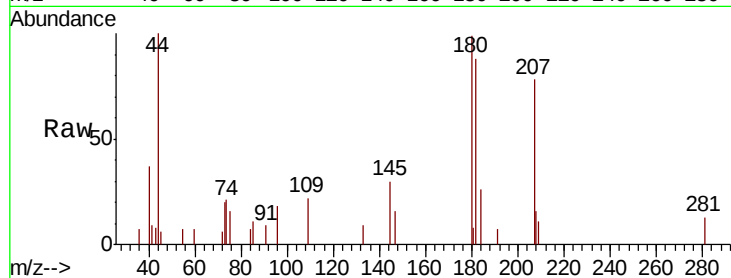
Tot Ion:180 Resp: 4008

Ion Ratio Lower Upper

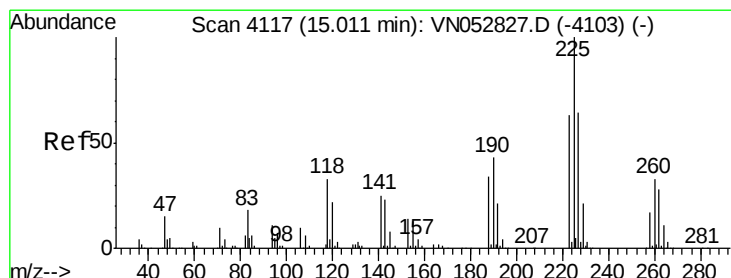
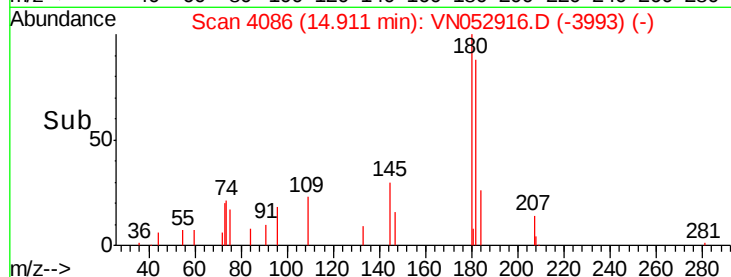
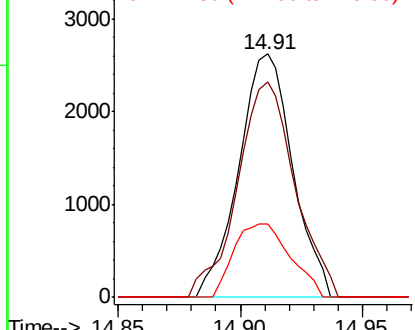
180 100

182 94.2 47.8 143.3

145 31.6 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



#94

Hexachlorobutadiene

Concen: 0.242 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

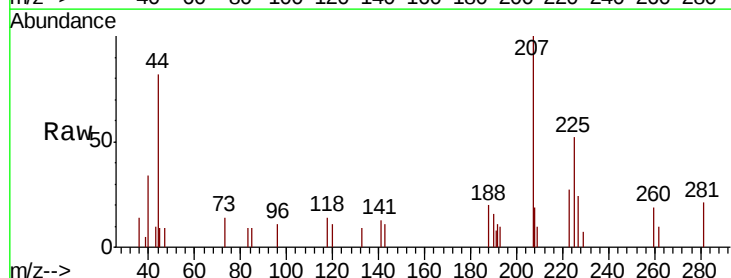
Tgt Ion:225 Resp: 1772

Ion Ratio Lower Upper

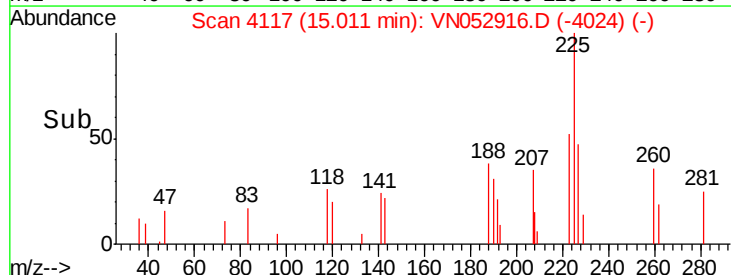
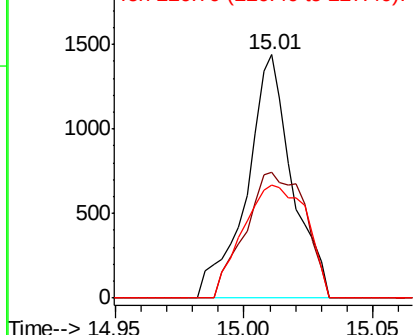
225 100

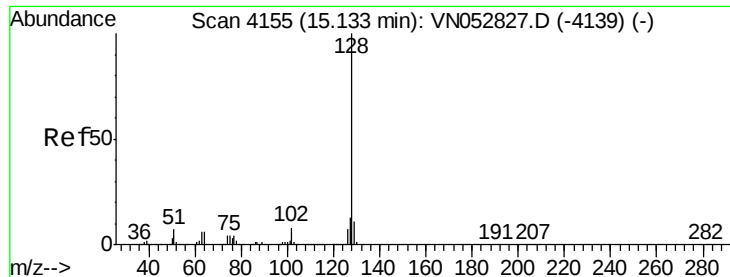
223 68.0 31.5 94.5

227 65.4 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: 0.497 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

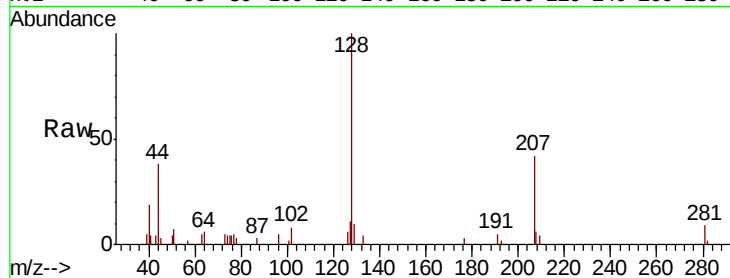
Tot Ion:128 Resp: 13005

Ion Ratio Lower Upper

128 100

127 11.0 10.2 15.4

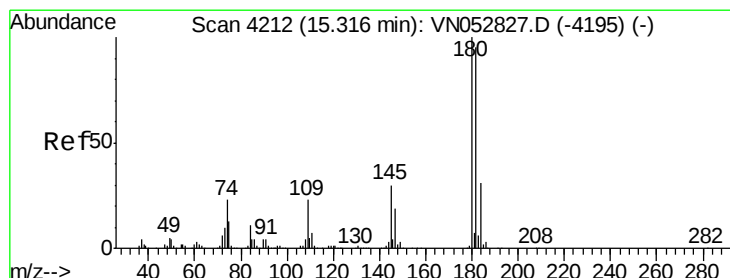
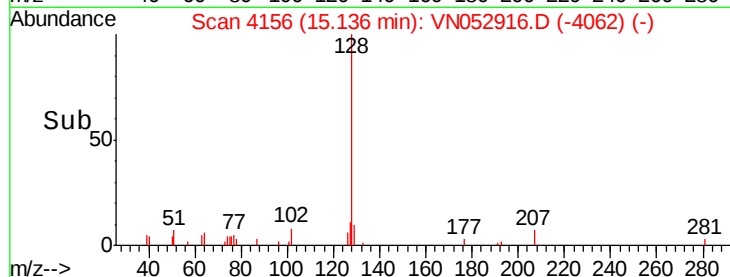
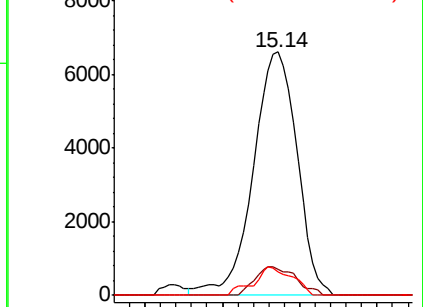
129 10.3 8.6 13.0



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: 0.457 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN052916.D

Acq: 17 Dec 2018 10:15

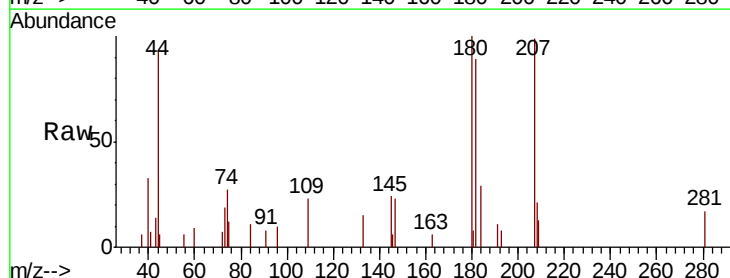
Tgt Ion:180 Resp: 5304

Ion Ratio Lower Upper

180 100

182 88.4 47.9 143.7

145 28.4 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

