

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052517.D
 Acq On : 28 Nov 2018 14:04
 Operator : MD\SY
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Nov 29 00:09:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1385389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2110878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1772559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	631698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	687921	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
35) Dibromofluoromethane	7.59	113	628683	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.09	98	2514346	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	770516	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	

Target Compounds

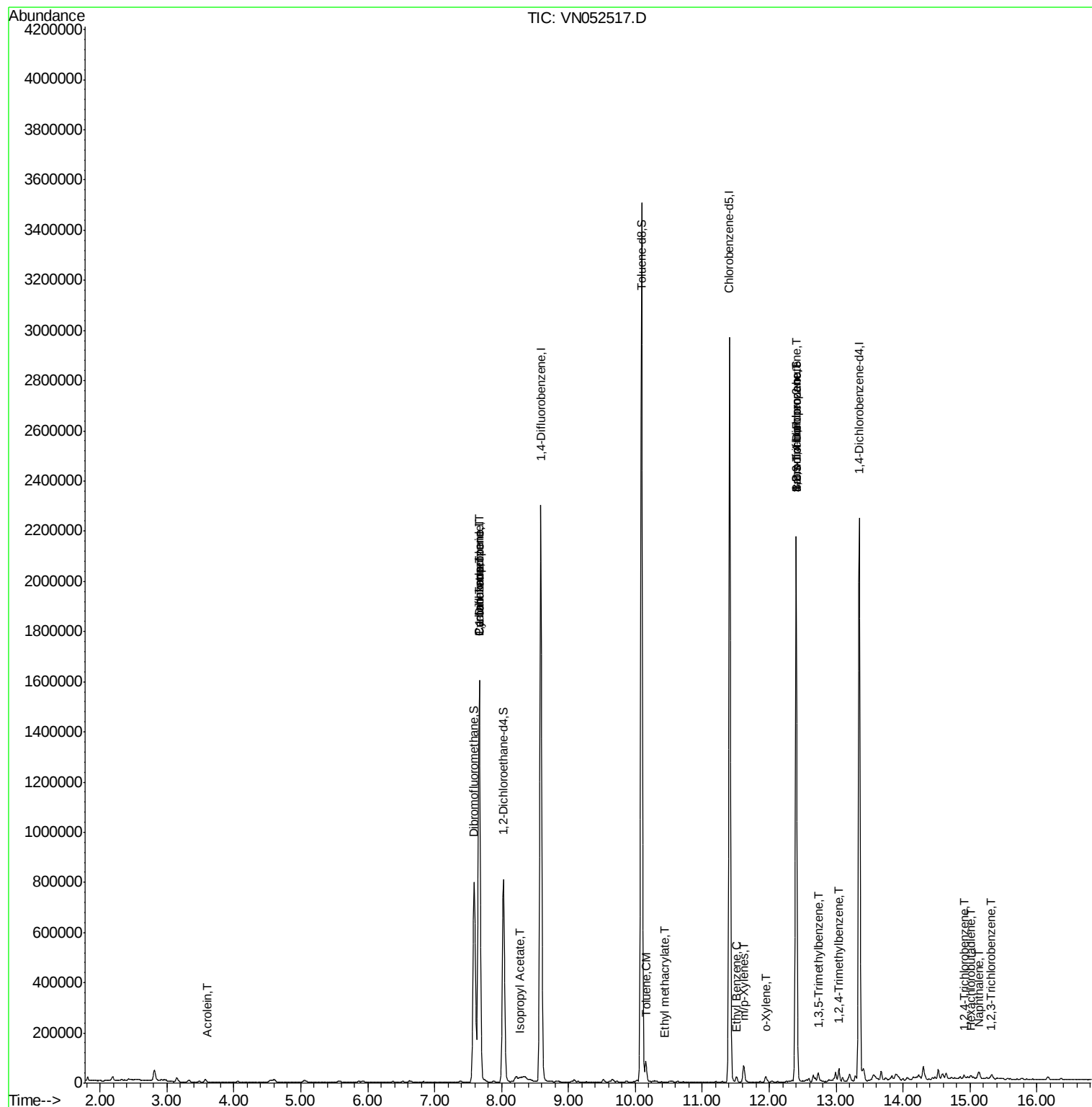
						Qvalue
13) Acrolein	3.61	56	502	33.803	ug/l #	14
31) Cyclohexane	7.66	56	26732	0.669	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	93820	4.707	ug/l #	49
38) Carbon Tetrachloride	7.67	117	121678	6.743	ug/l #	15
43) Isopropyl Acetate	8.27	43	22262	1.081	ug/l #	51
52) Toluene	10.16	92	32729	0.927	ug/l	96
56) Ethyl methacrylate	10.43	69	138	2.701	ug/l #	38
67) Ethyl Benzene	11.51	91	16830	0.263	ug/l	95
68) m/p-Xylenes	11.62	106	21921	0.920	ug/l	98
69) o-Xylene	11.95	106	5910	0.255	ug/l	97
71) Bromoform	12.40	173	4343	0.516	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	367035	37.679	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	10633	0.269	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	367035	125.830	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	30416	0.768	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	4658	3.221	ug/l	92
94) Hexachlorobutadiene	15.01	225	1999	0.304	ug/l	87
95) Naphthalene	15.13	128	19175	4.179	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	4752	3.163	ug/l	96

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

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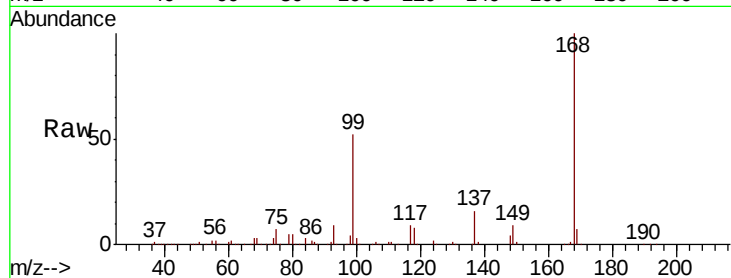




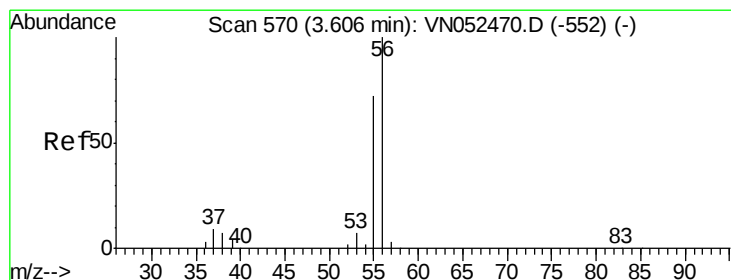
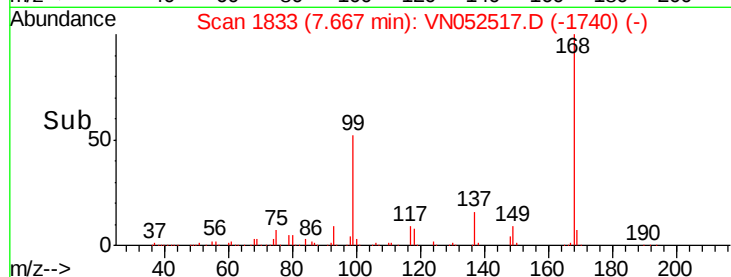
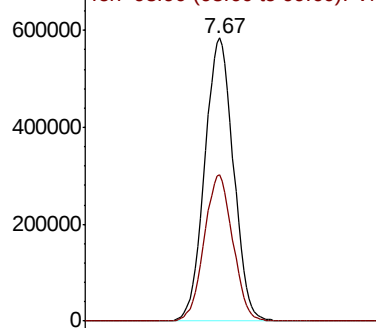
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN052517.D
Acq: 28 Nov 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tot Ion:168 Resp: 1385389
Ion Ratio Lower Upper
168 100
99 51.7 41.7 62.5

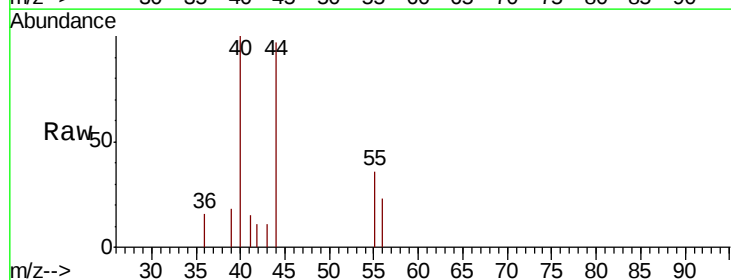


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VNO

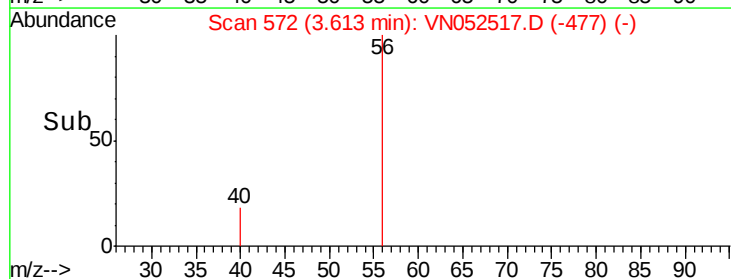
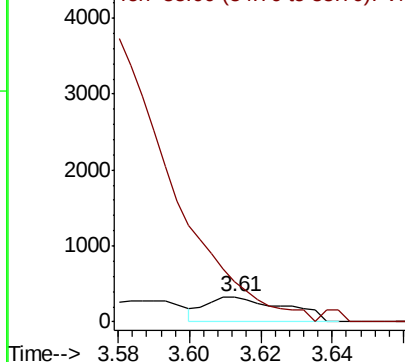


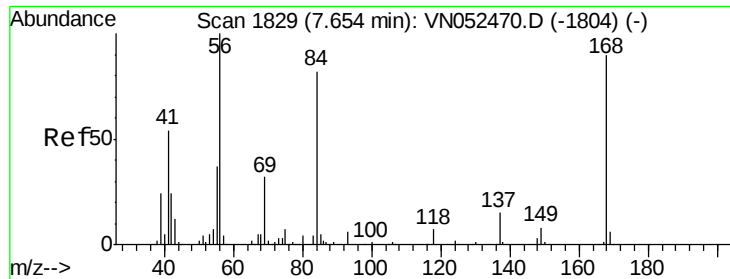
#13
Acrolein
Concen: 33.803 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN052517.D
Acq: 28 Nov 2018 14:04

Tgt Ion: 56 Resp: 502
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO

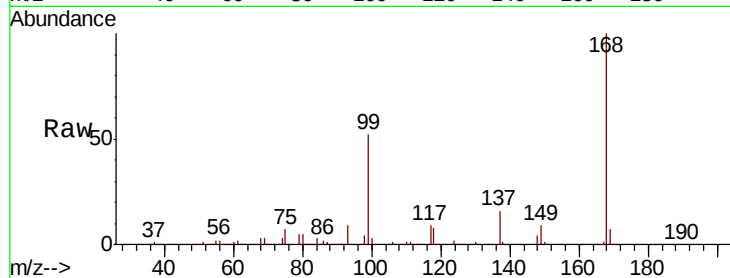




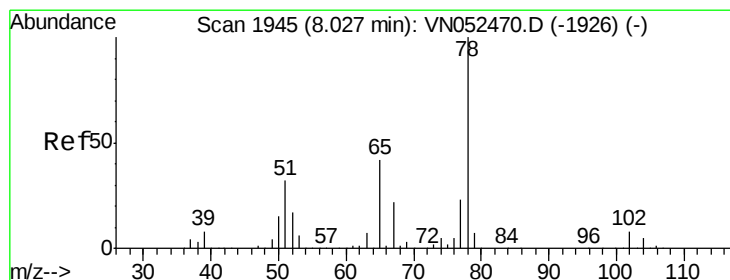
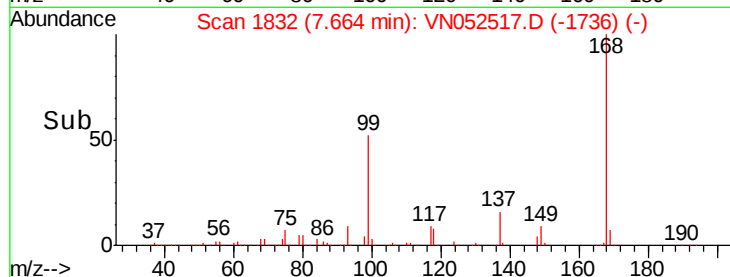
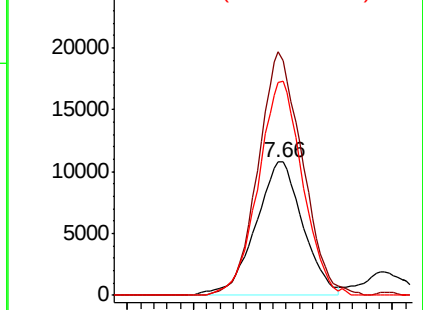
#31
Cyclohexane
Concen: 0.669 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052517.D
Acq: 28 Nov 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tot Ion: 56 Resp: 26732
Ion Ratio Lower Upper
56 100
69 182.6 25.8 38.6#
84 159.3 65.3 97.9#

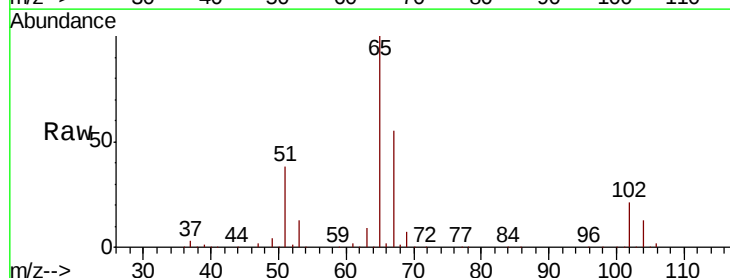


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

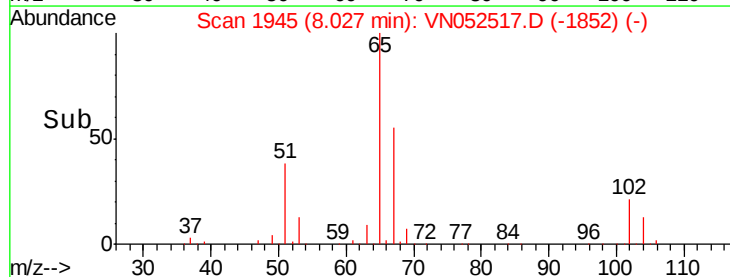
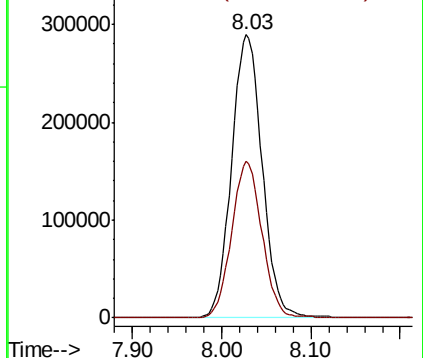


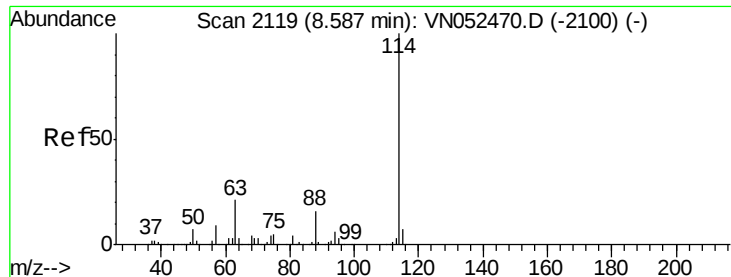
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052517.D
Acq: 28 Nov 2018 14:04

Tgt Ion: 65 Resp: 687921
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



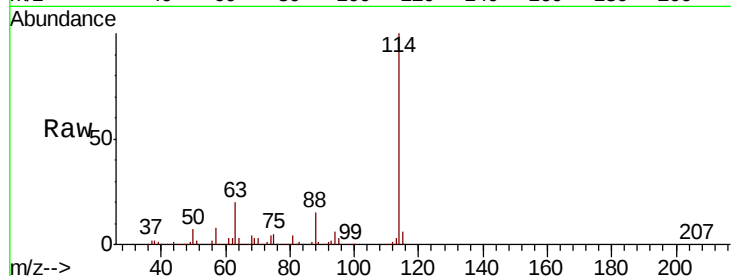


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052517.D
 Acq: 28 Nov 2018 14:04

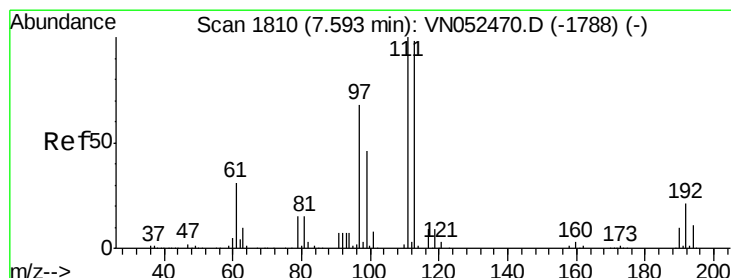
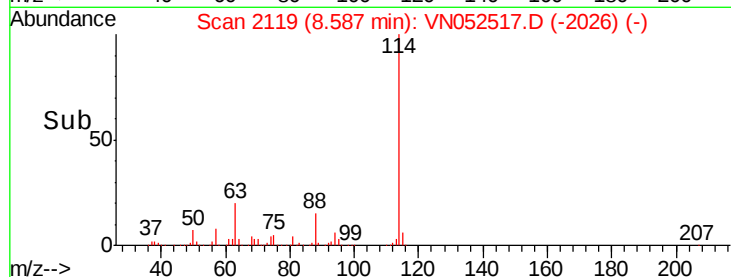
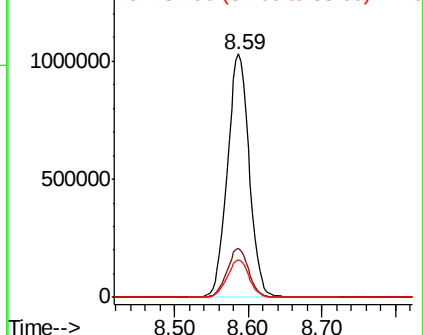
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tot Ion:114 Resp: 2110878

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.8
88	15.4	0.0	31.6



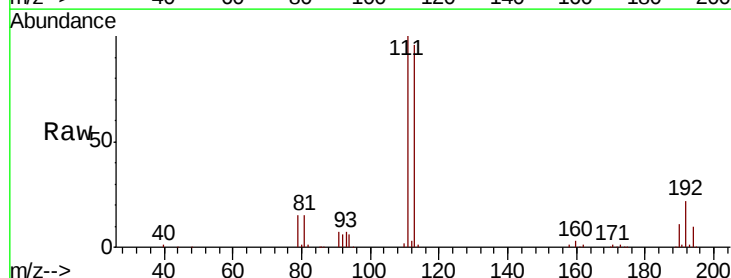
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



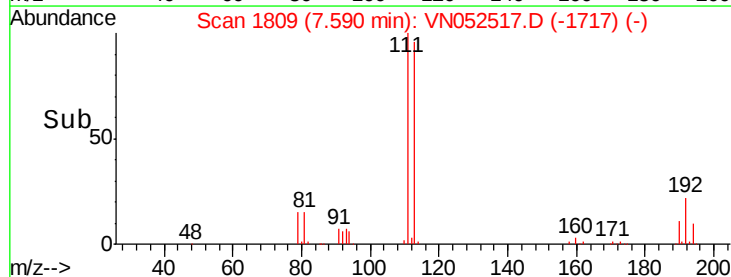
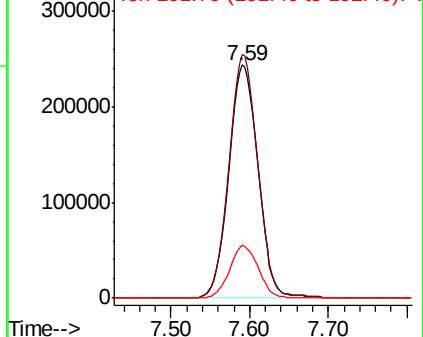
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052517.D
 Acq: 28 Nov 2018 14:04

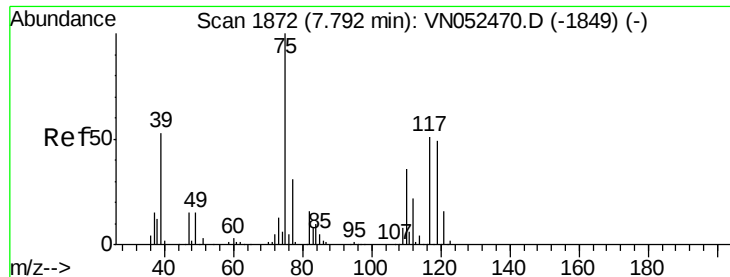
Tgt Ion:113 Resp: 628683

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.0	123.0
192	22.2	17.0	25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

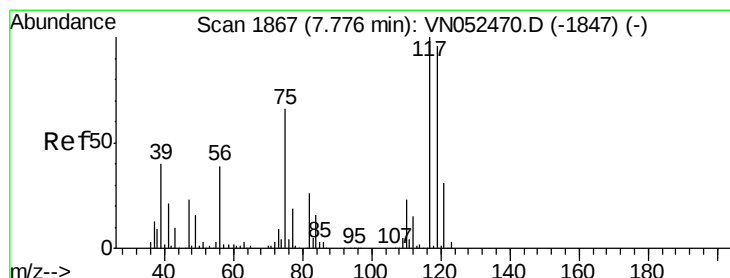
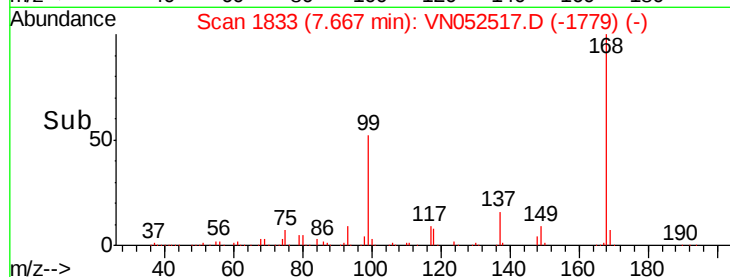
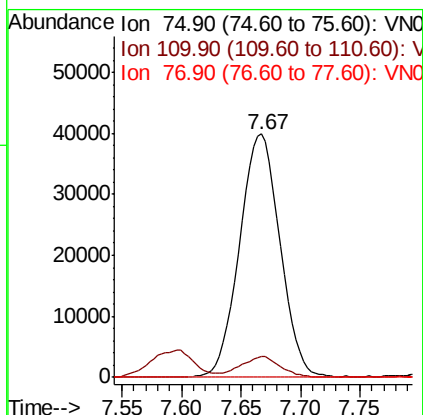
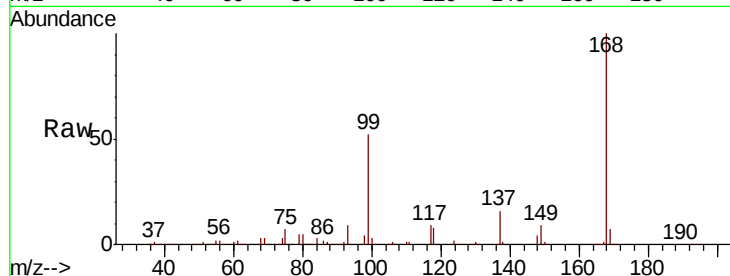




#36
 1,1-Dichloropropene
 Concen: 4.707 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052517.D
 Acq: 28 Nov 2018 14:04

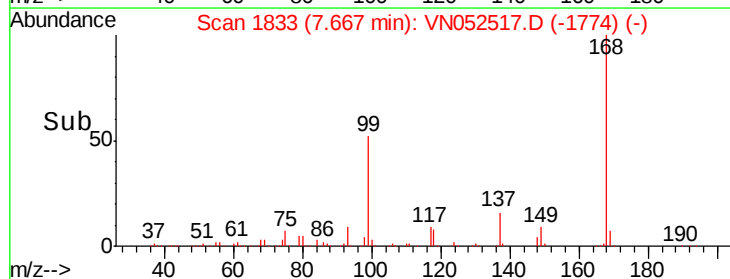
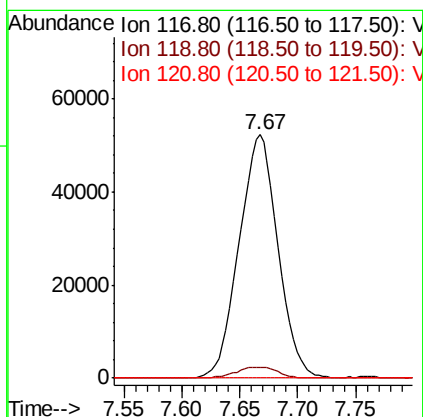
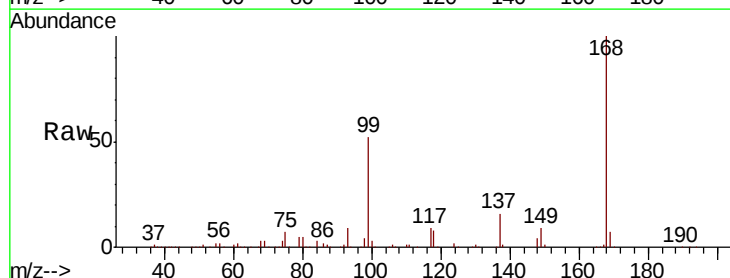
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

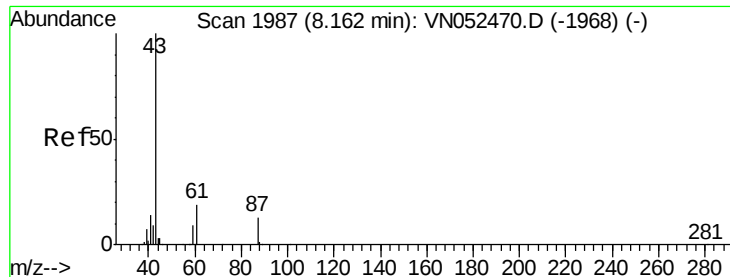
Tot Ion: 75 Resp: 93820
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.5 52.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.743 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052517.D
 Acq: 28 Nov 2018 14:04

Tgt Ion: 117 Resp: 121678
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.8 115.2#
 121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 1.081 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.11 min

Lab File: VN052517.D

Acq: 28 Nov 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

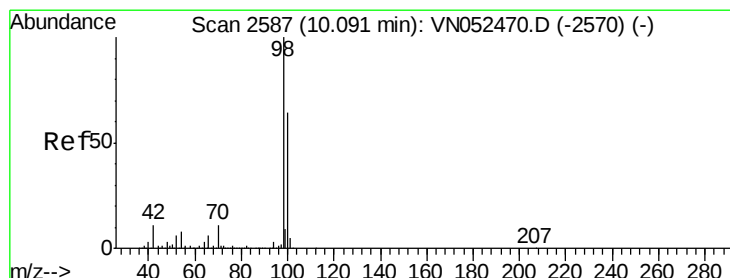
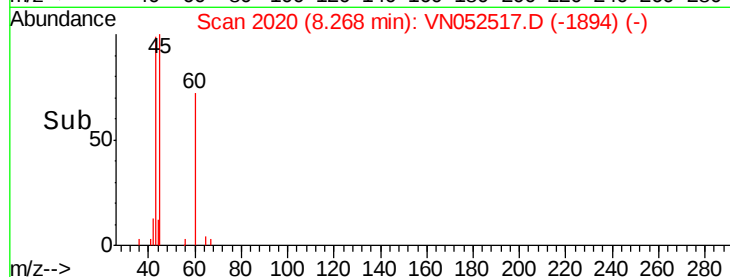
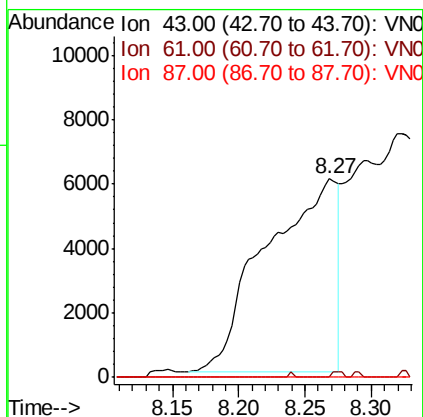
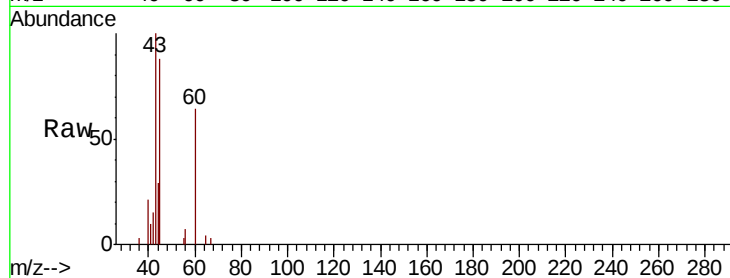
Tot Ion: 43 Resp: 22262

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

87 0.0 10.6 15.8#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052517.D

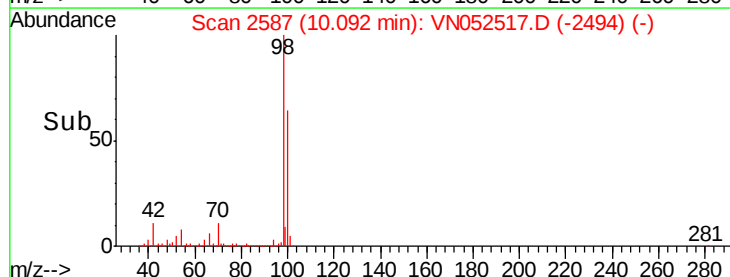
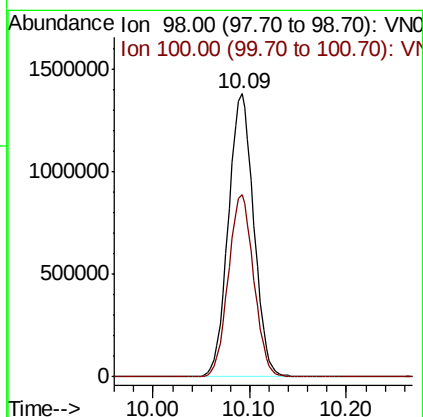
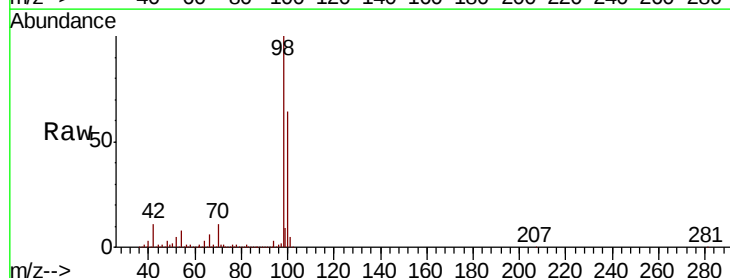
Acq: 28 Nov 2018 14:04

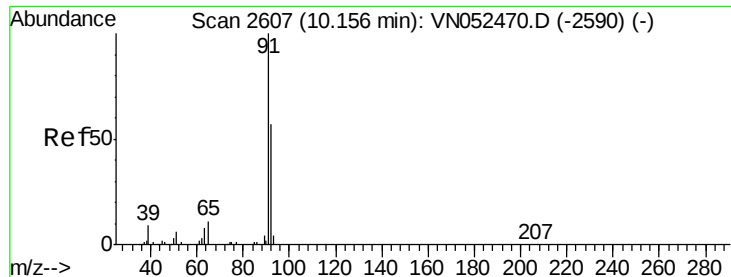
Tgt Ion: 98 Resp: 2514346

Ion Ratio Lower Upper

98 100

100 64.3 51.3 76.9





#52

Toluene

Concen: 0.927 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052517.D

Acq: 28 Nov 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

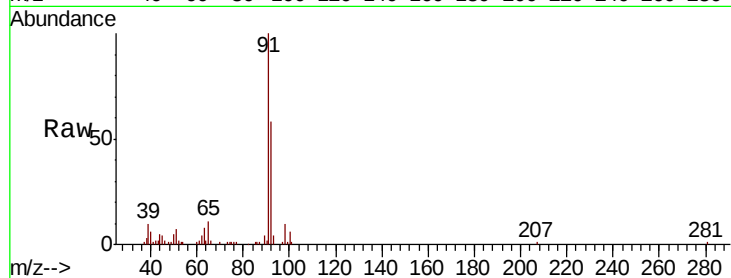
I.BLK

Tot Ion: 92 Resp: 32729

Ion Ratio Lower Upper

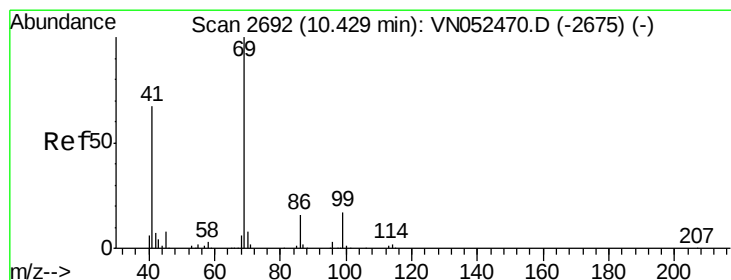
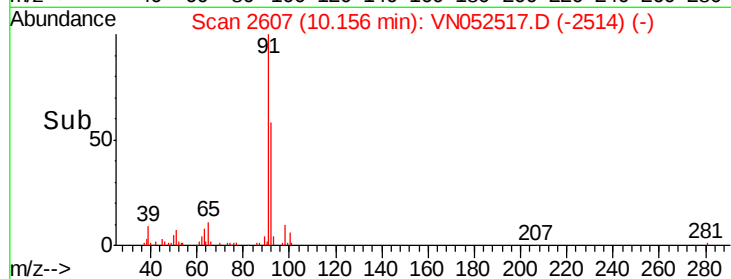
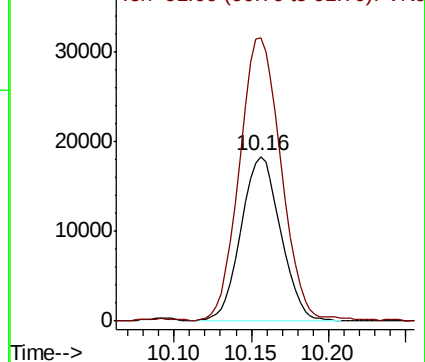
92 100

91 181.4 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#56

Ethyl methacrylate

Concen: 2.701 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052517.D

Acq: 28 Nov 2018 14:04

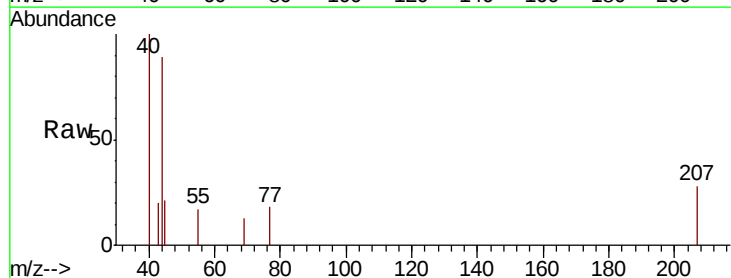
Tgt Ion: 69 Resp: 138

Ion Ratio Lower Upper

69 100

41 116.7 52.6 79.0#

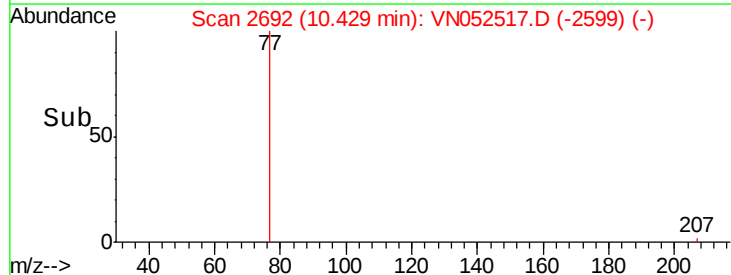
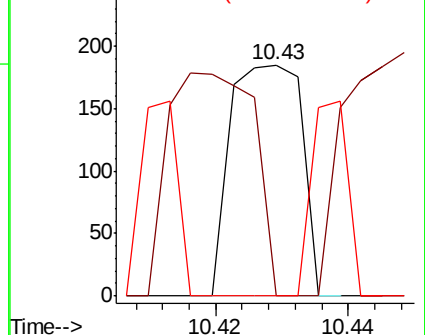
39 0.0 25.9 38.9#

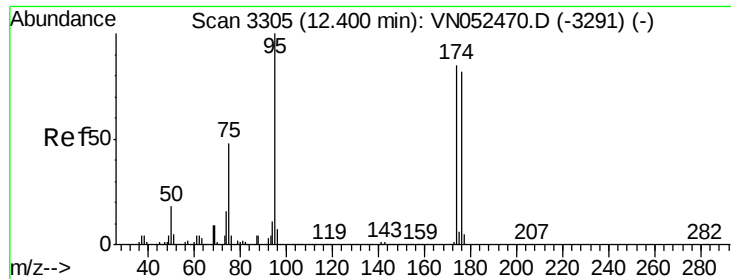


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052517.D

Acq: 28 Nov 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

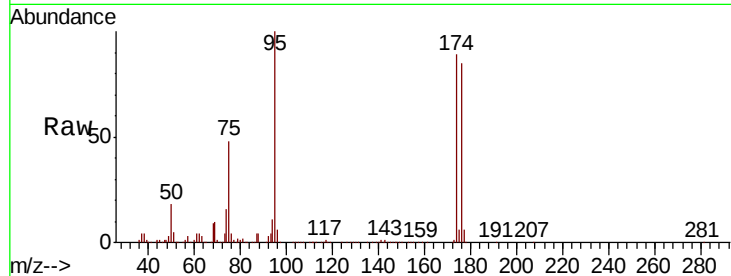
Tot Ion: 95 Resp: 770516

Ion Ratio Lower Upper

95 100

174 87.2 0.0 173.0

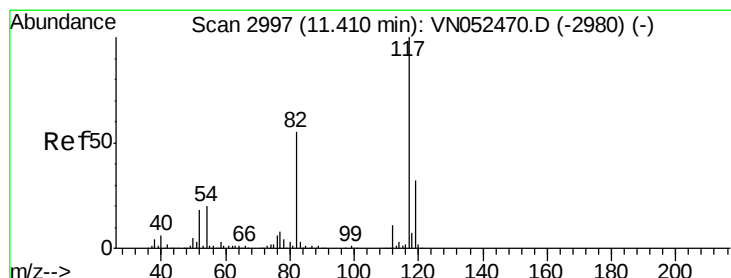
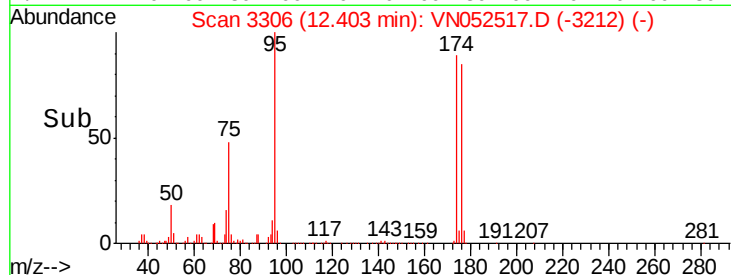
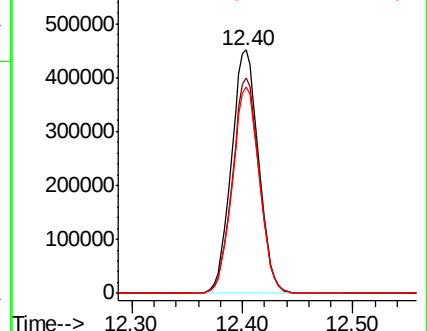
176 84.4 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052470.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052517.D

Acq: 28 Nov 2018 14:04

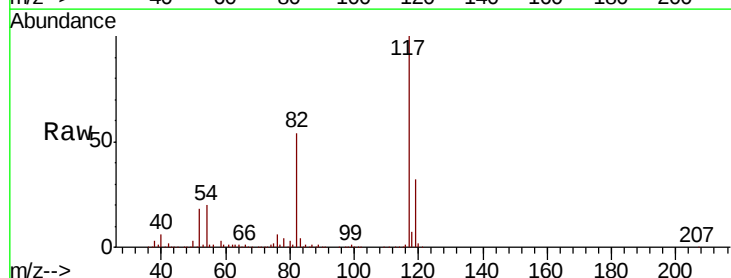
Tgt Ion: 117 Resp: 1772559

Ion Ratio Lower Upper

117 100

82 54.0 43.6 65.4

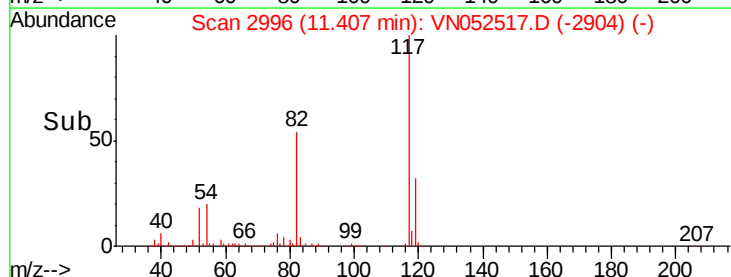
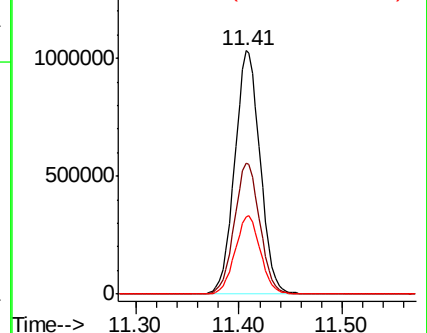
119 31.8 25.4 38.2

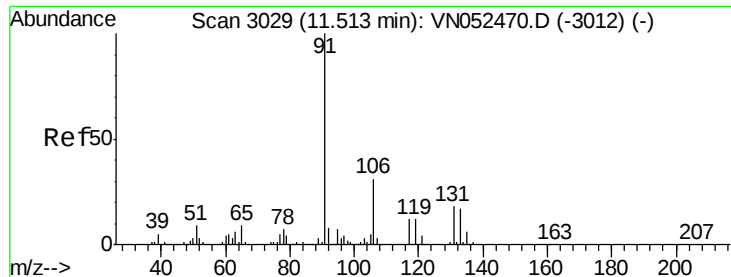


Abundance Ion 116.90 (116.60 to 117.60): VN052470.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052470.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052470.D (-2980) (-)

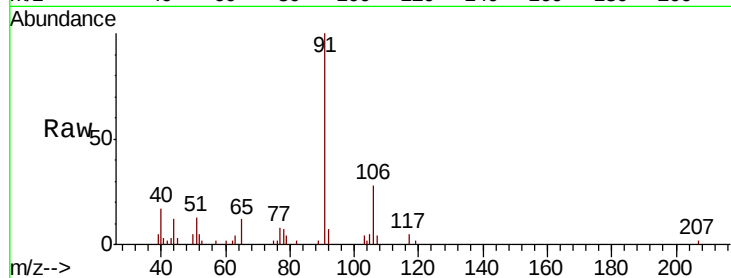




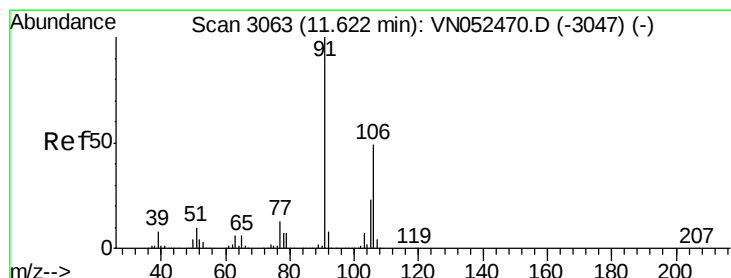
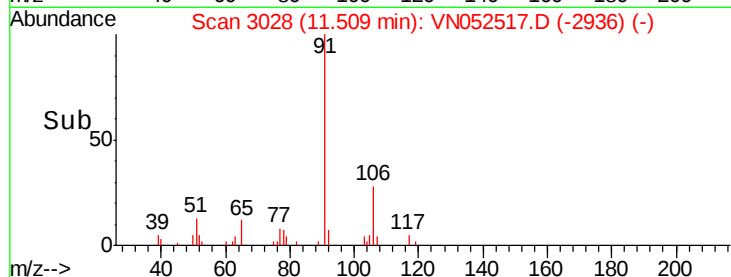
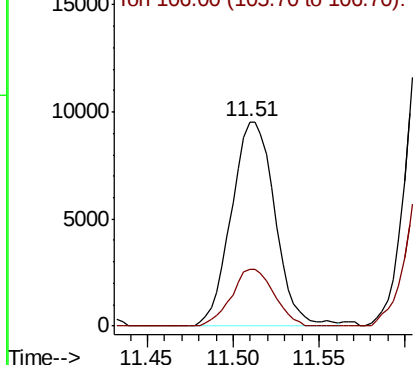
#67
Ethyl Benzene
Concen: 0.263 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052517.D
Acq: 28 Nov 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tot Ion: 91 Resp: 16830
Ion Ratio Lower Upper
91 100
106 28.1 24.9 37.3

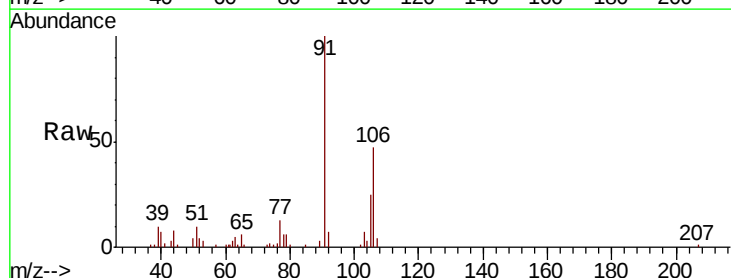


Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3012) (-)
Ion 106.00 (105.70 to 106.70): VN052470.D (-3012) (-)

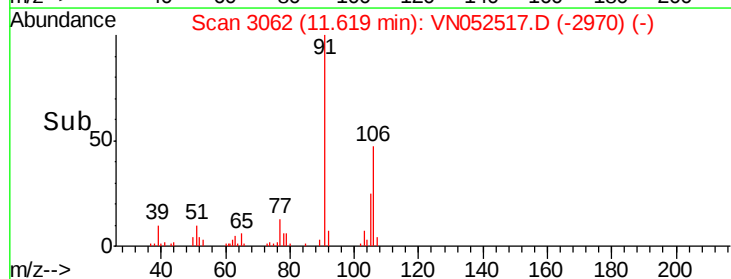
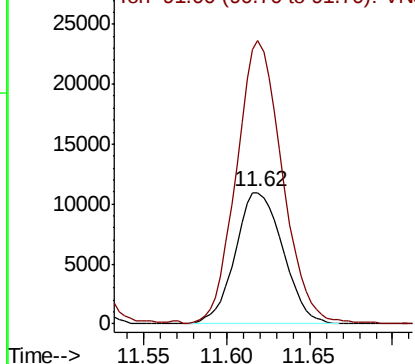


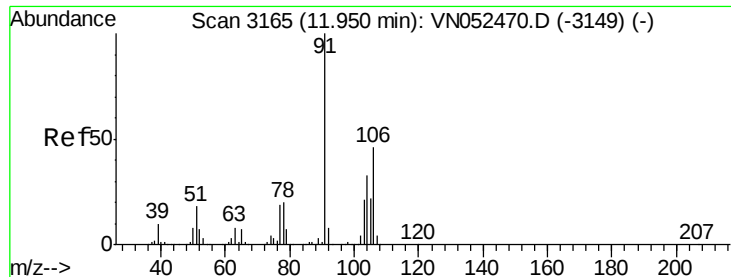
#68
m/p-Xylenes
Concen: 0.920 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052517.D
Acq: 28 Nov 2018 14:04

Tgt Ion: 106 Resp: 21921
Ion Ratio Lower Upper
106 100
91 207.5 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): VN052470.D (-3047) (-)
Ion 91.00 (90.70 to 91.70): VN052470.D (-3047) (-)

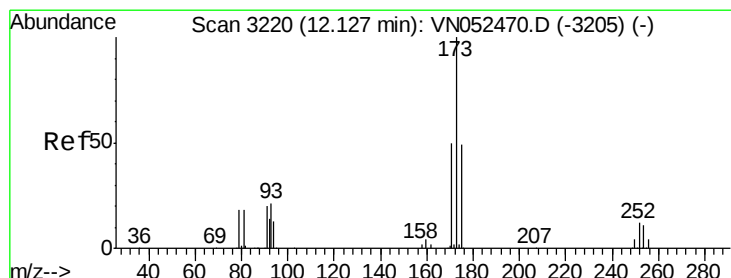
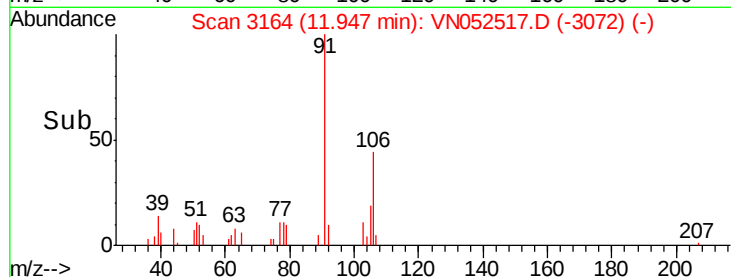
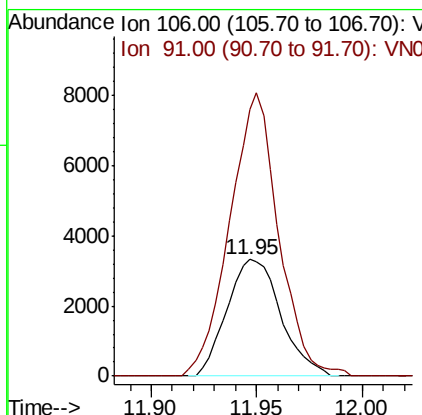
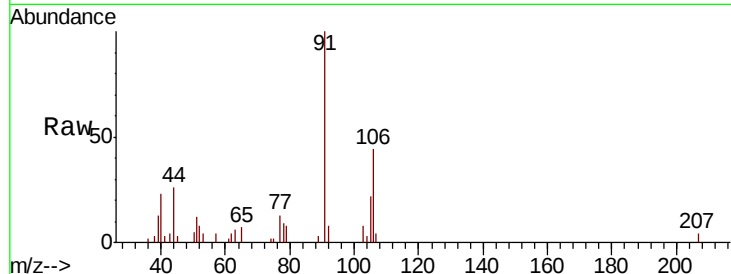




#69
o-Xylene
Concen: 0.255 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052517.D
Acq: 28 Nov 2018 14:04

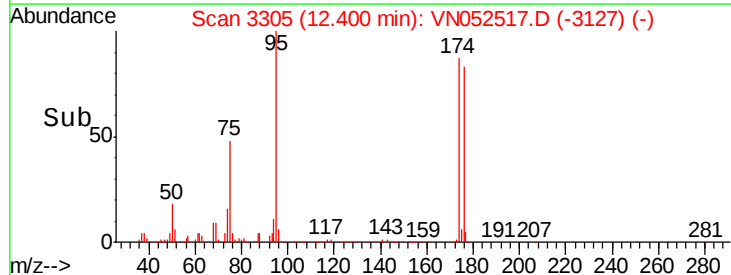
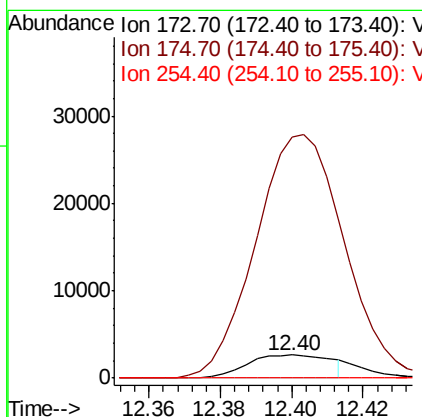
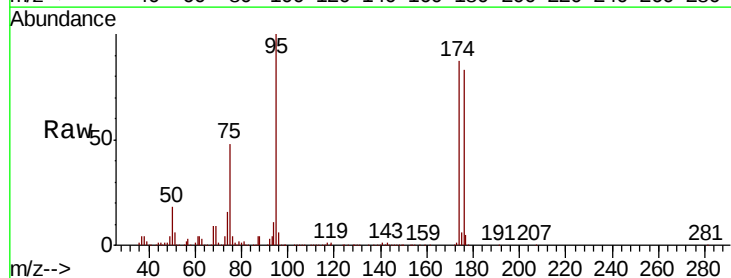
Instrument :
MSVOA_N
ClientSampled :
I.BLK

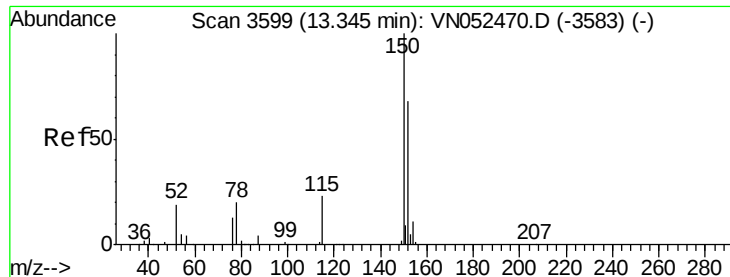
Tot Ion:106 Resp: 5910
Ion Ratio Lower Upper
106 100
91 219.9 107.7 323.1



#71
Bromoform
Concen: 0.516 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052517.D
Acq: 28 Nov 2018 14:04

Tgt Ion:173 Resp: 4343
Ion Ratio Lower Upper
173 100
175 947.5 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052517.D

Acq: 28 Nov 2018 14:04

Instrument :

MSVOA_N

ClientSampled :

I.BLK

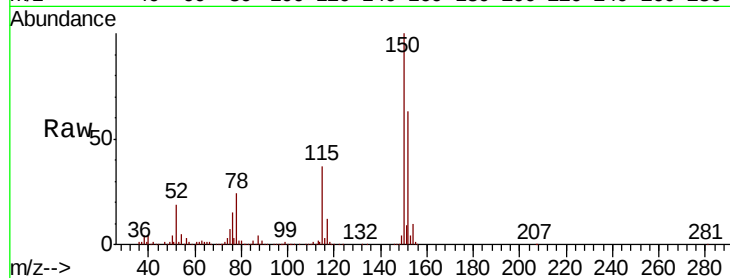
Tot Ion:152 Resp: 631698

Ion Ratio Lower Upper

152 100

115 57.9 28.4 85.2

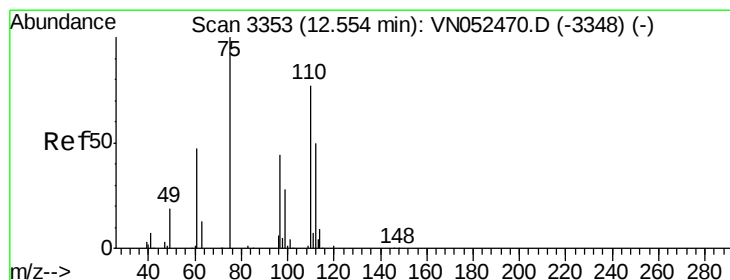
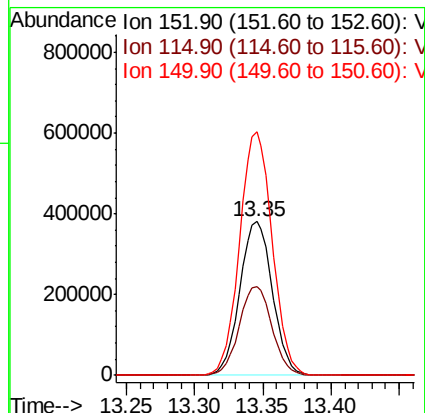
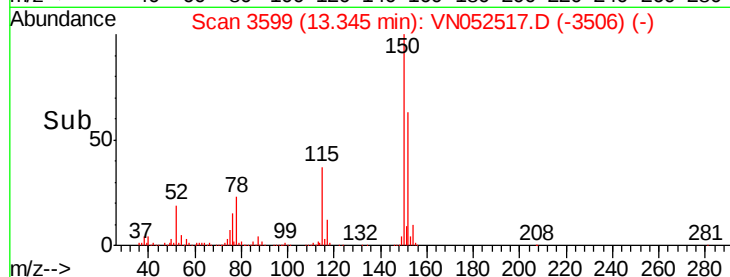
150 158.3 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 37.679 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052517.D

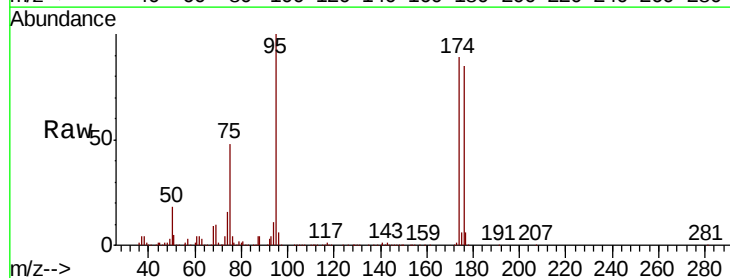
Acq: 28 Nov 2018 14:04

Tgt Ion: 75 Resp: 367035

Ion Ratio Lower Upper

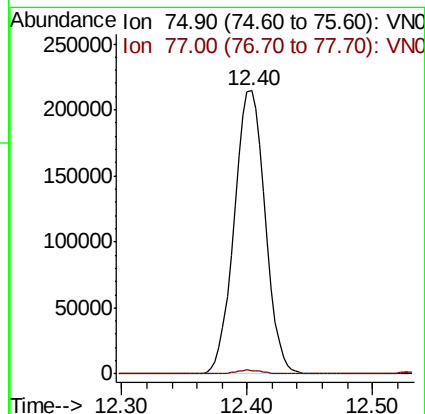
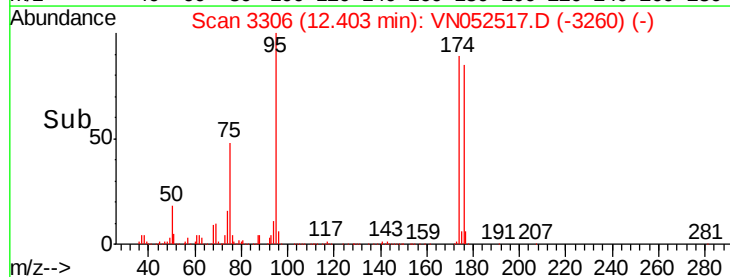
75 100

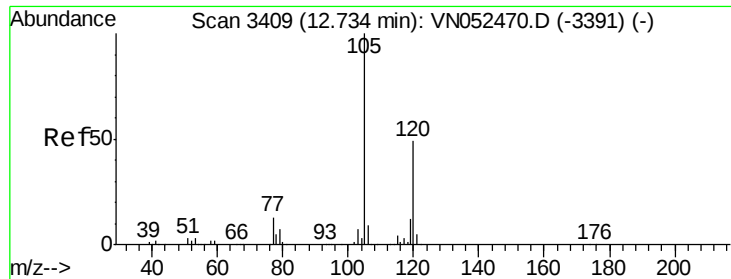
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

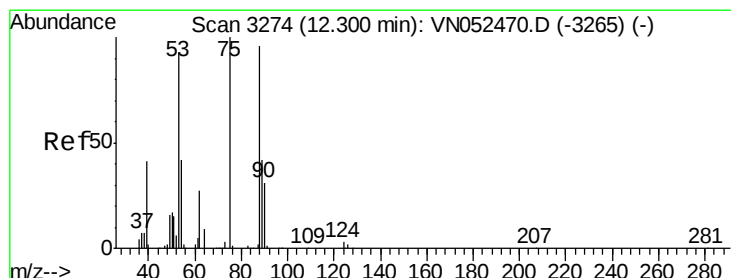
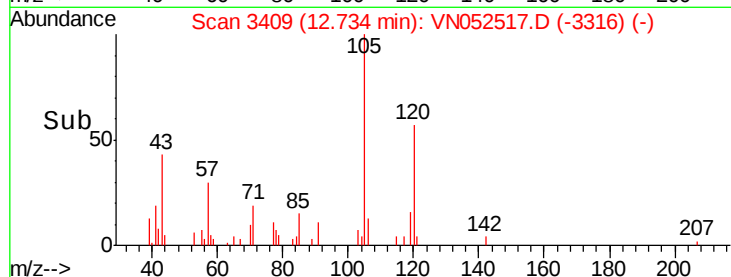
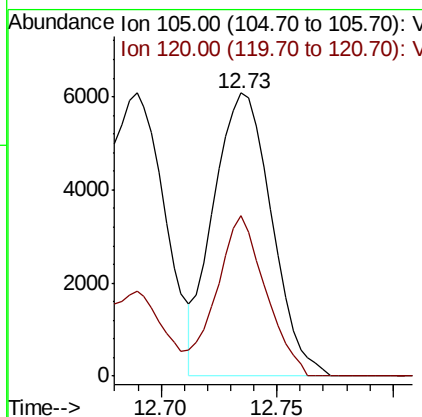
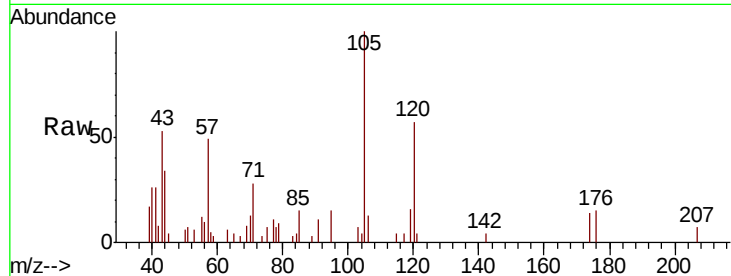




#80
 1,3,5-Trimethylbenzene
 Concen: 0.269 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052517.D
 Acq: 28 Nov 2018 14:04

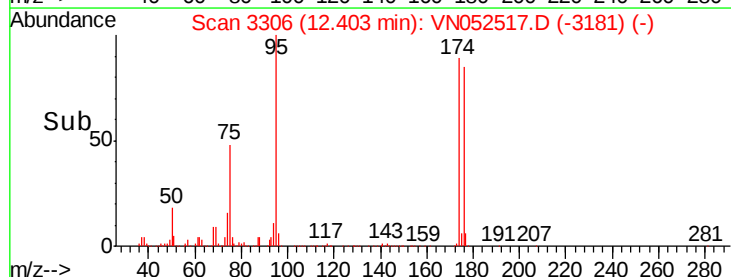
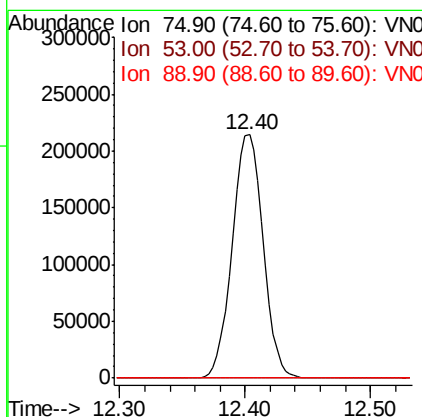
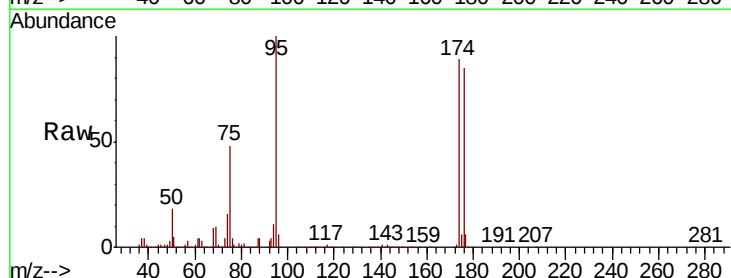
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

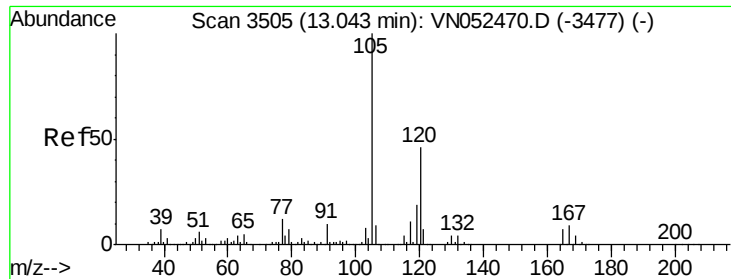
Tot Ion:105 Resp: 10633
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.830 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052517.D
 Acq: 28 Nov 2018 14:04

Tgt Ion: 75 Resp: 367035
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.4 116.0#
 89 0.0 35.4 53.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.768 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052517.D

Acq: 28 Nov 2018 14:04

Instrument :

MSVOA_N

ClientSampled :

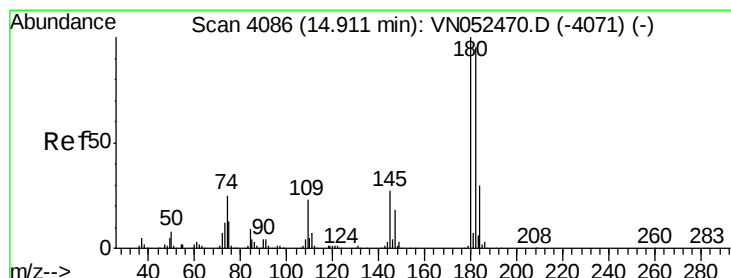
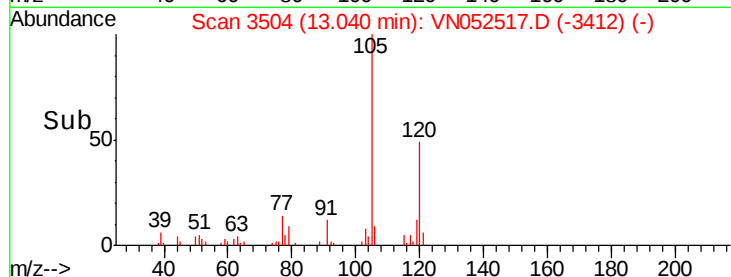
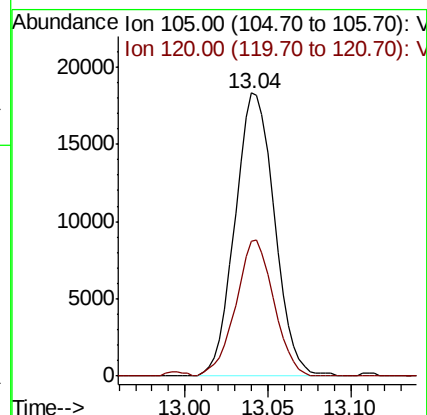
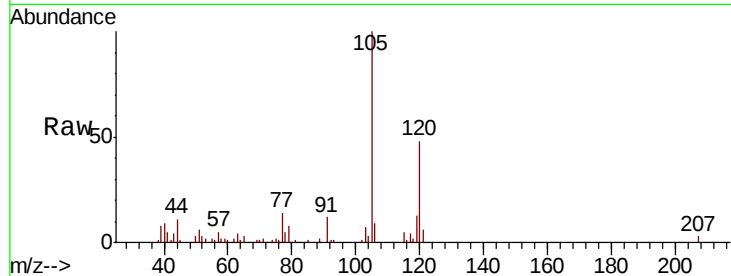
I.BLK

Tot Ion:105 Resp: 30416

Ion Ratio Lower Upper

105 100

120 46.2 22.8 68.4



#93

1,2,4-Trichlorobenzene

Concen: 3.221 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052517.D

Acq: 28 Nov 2018 14:04

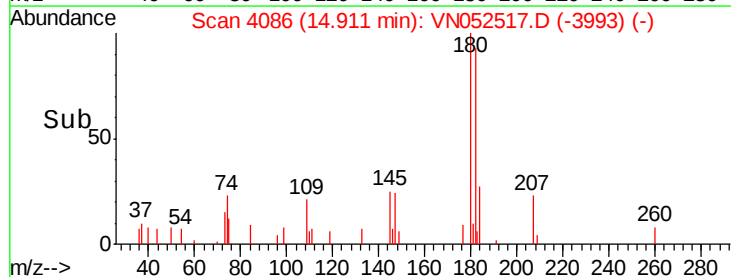
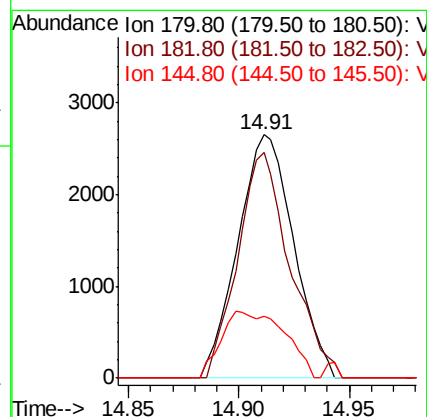
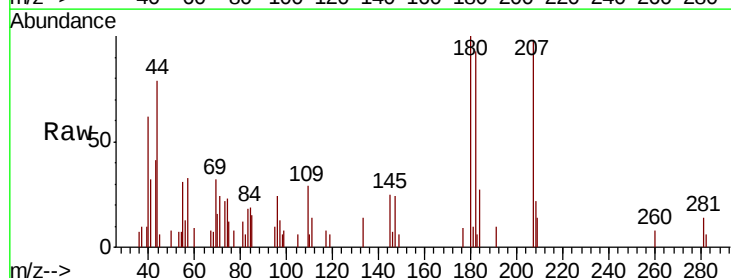
Tgt Ion:180 Resp: 4658

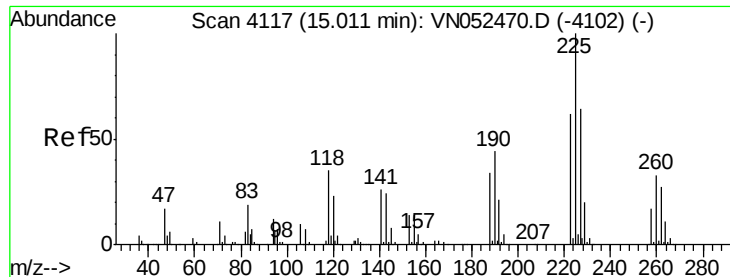
Ion Ratio Lower Upper

180 100

182 86.8 47.8 143.4

145 31.0 14.1 42.3





#94

Hexachlorobutadiene

Concen: 0.304 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052517.D

Acq: 28 Nov 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

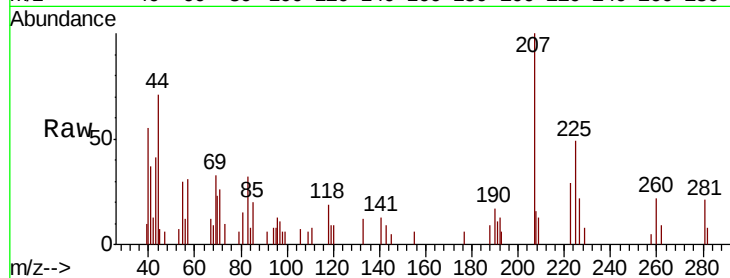
Tot Ion:225 Resp: 1999

Ion Ratio Lower Upper

225 100

223 51.3 31.4 94.2

227 56.7 32.5 97.4

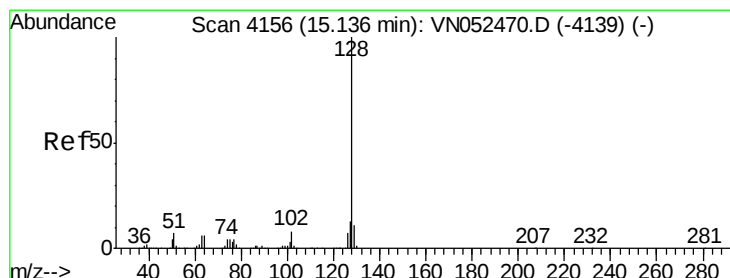
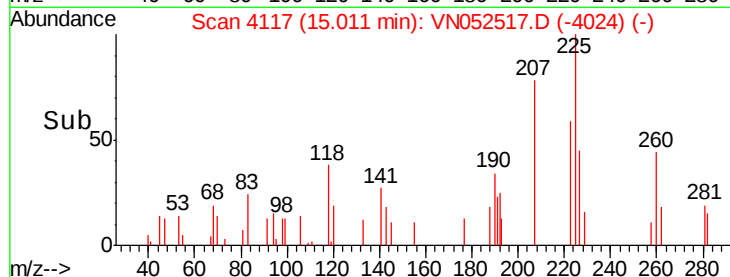
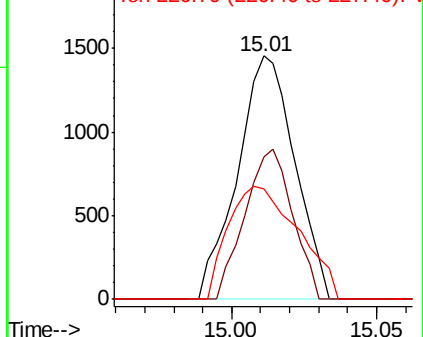


Abundance

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: 4.179 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052517.D

Acq: 28 Nov 2018 14:04

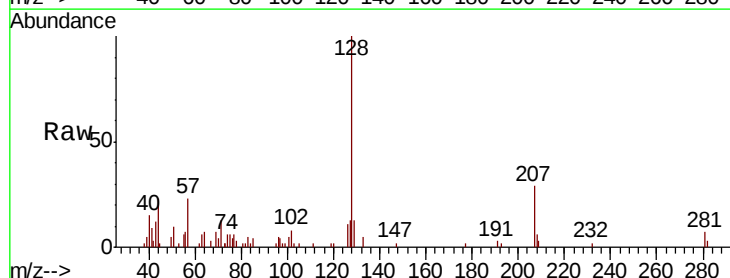
Tgt Ion:128 Resp: 19175

Ion Ratio Lower Upper

128 100

127 15.0 10.2 15.2

129 11.5 8.7 13.1

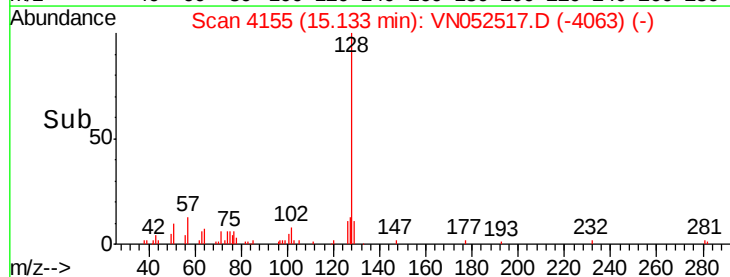
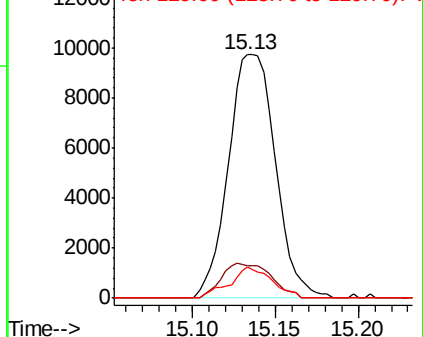


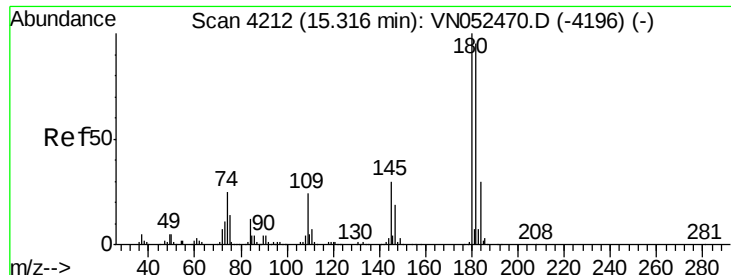
Abundance

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: 3.163 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052517.D
 Acq: 28 Nov 2018 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.8	143.3
145	33.2	15.2	45.5

