

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052481.D
 Acq On : 27 Nov 2018 16:20
 Operator : MD\SY
 Sample : J6063-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Nov 28 06:11:29 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	1329958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2034857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1727144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	627386	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	678825	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
35) Dibromofluoromethane	7.59	113	611054	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	10.09	98	2450765	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	759709	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

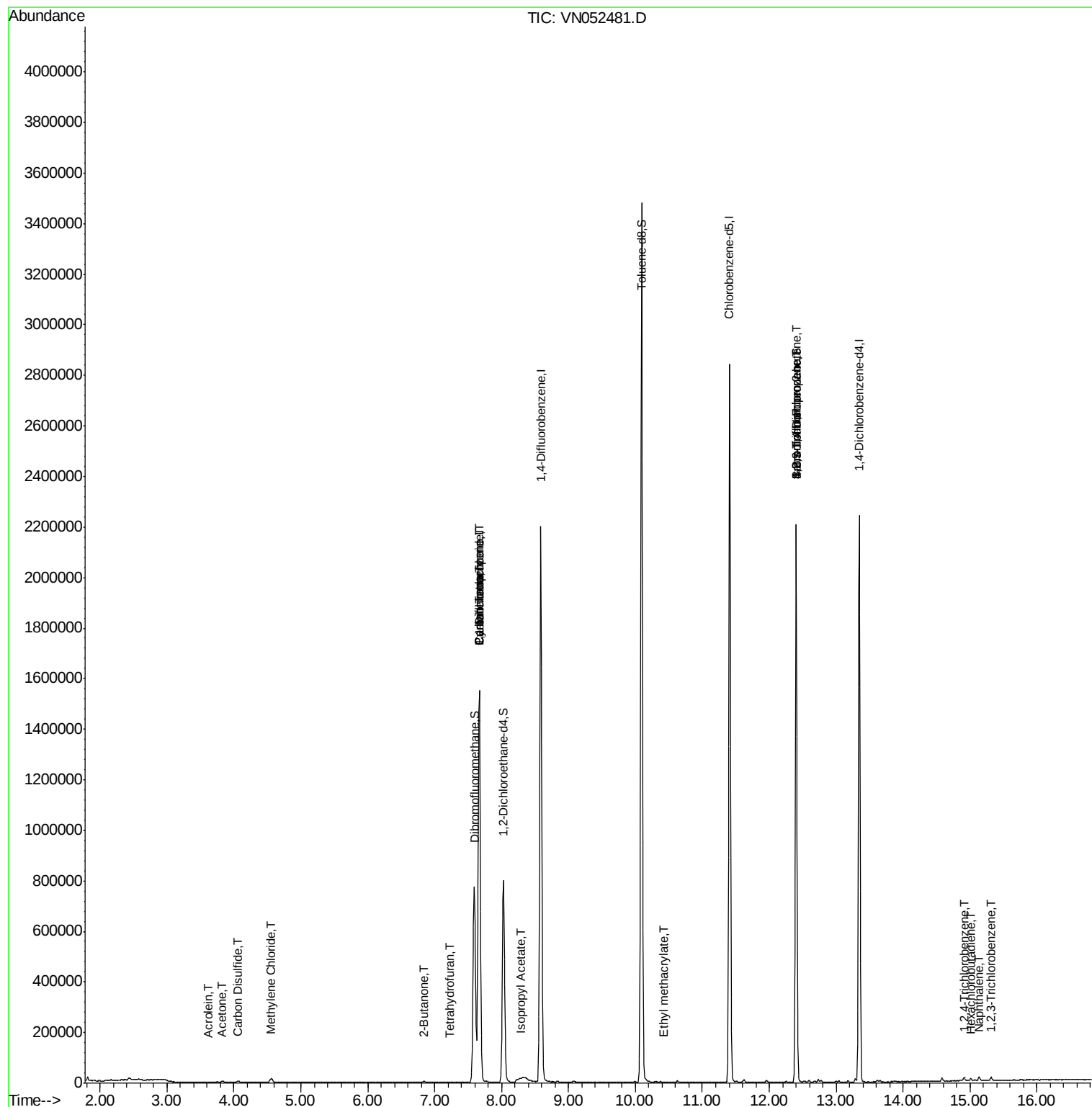
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	834	34.043	ug/l #	56
16) Acetone	3.83	43	7840	2.053	ug/l	99
17) Carbon Disulfide	4.06	76	9620	0.245	ug/l	96
20) Methylene Chloride	4.56	84	11104	0.743	ug/l	95
25) 2-Butanone	6.84	43	1094	0.202	ug/l	99
29) Tetrahydrofuran	7.23	42	1206	0.345	ug/l #	46
31) Cyclohexane	7.66	56	24176	0.609	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	92803	4.830	ug/l #	50
38) Carbon Tetrachloride	7.67	117	120828	6.946	ug/l #	16
43) Isopropyl Acetate	8.28	43	22345	1.126	ug/l #	51
56) Ethyl methacrylate	10.43	69	115	2.700	ug/l #	1
71) Bromoform	12.40	173	4436	0.541	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	363097	37.531	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	363097	125.335	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	5415	3.288	ug/l	90
94) Hexachlorobutadiene	15.01	225	1777	0.272	ug/l	90
95) Naphthalene	15.14	128	11958	3.900	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	4798	3.170	ug/l	96

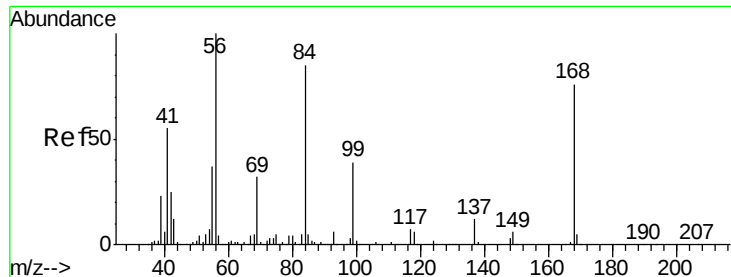
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052481.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

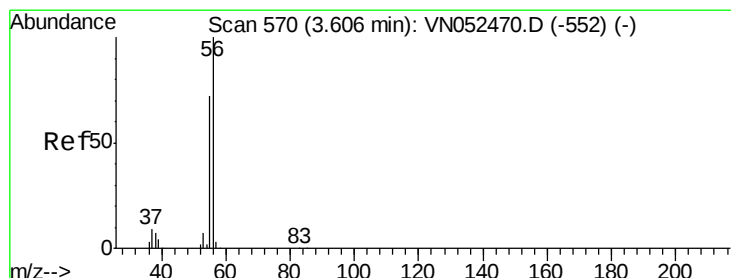
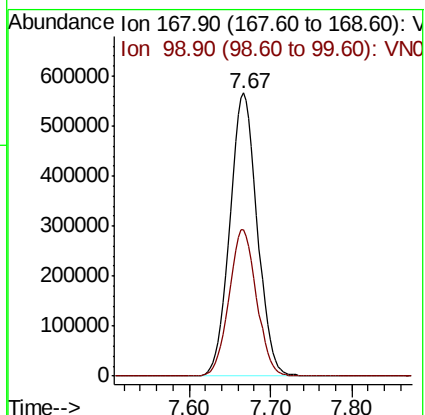
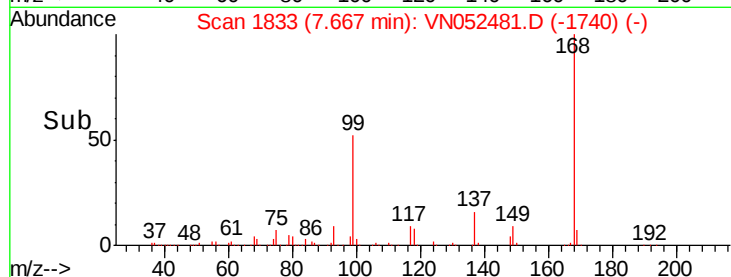
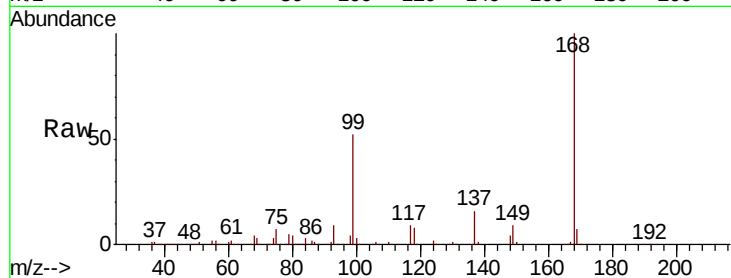
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 1329958

Ion Ratio Lower Upper

168 100

99 51.8 41.7 62.5



#13

Acrolein

Concen: 34.043 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN052481.D

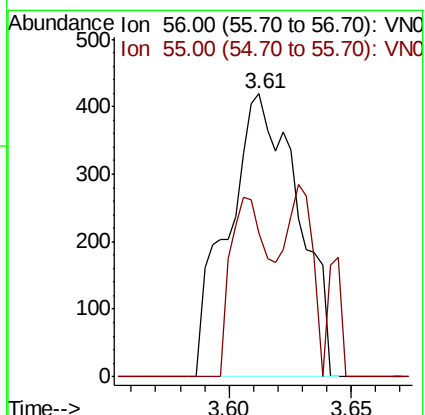
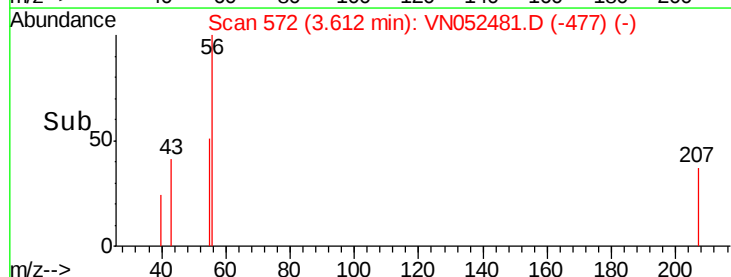
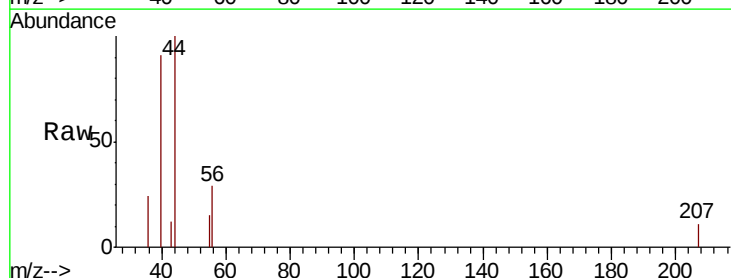
Acq: 27 Nov 2018 16:20

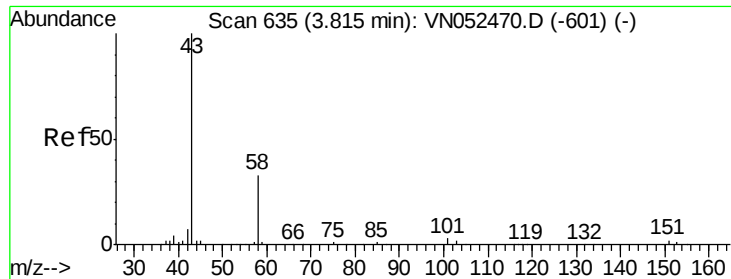
Tgt Ion: 56 Resp: 834

Ion Ratio Lower Upper

56 100

55 34.3 56.8 85.2#





#16

Acetone

Concen: 2.053 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

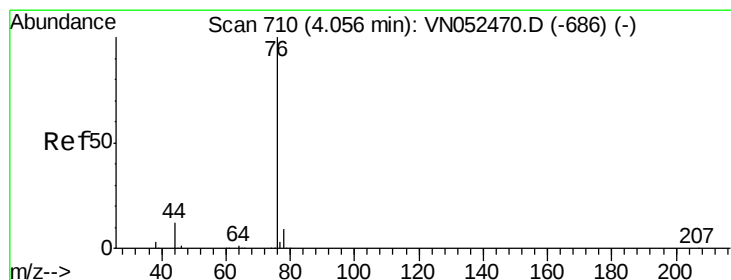
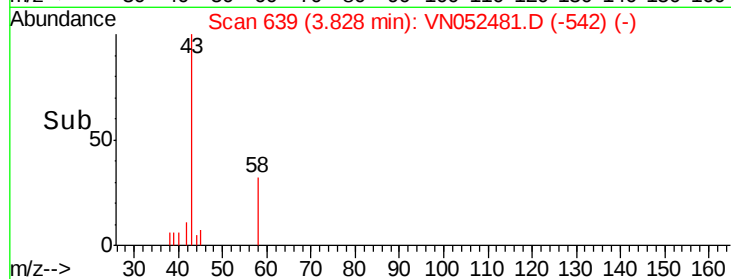
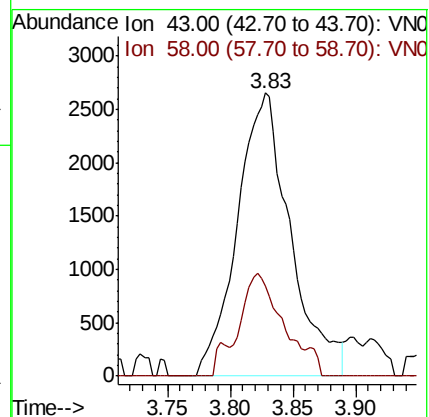
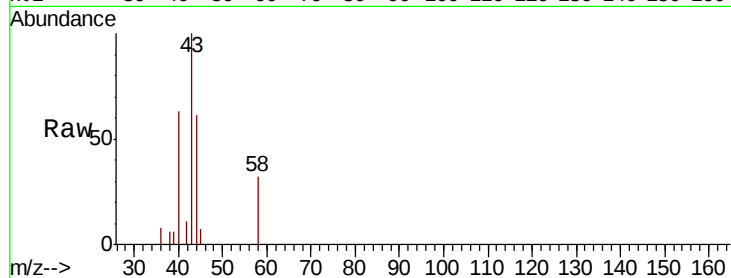
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 7840

Ion Ratio Lower Upper

43 100

58 31.7 26.0 39.0



#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052481.D

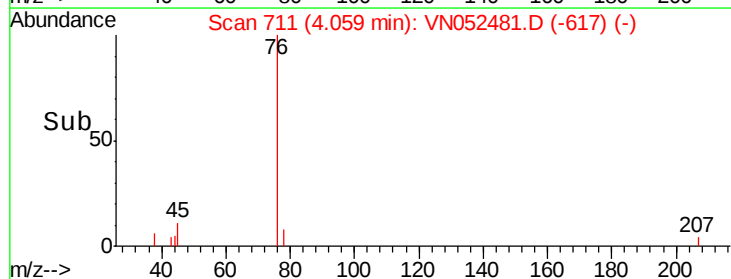
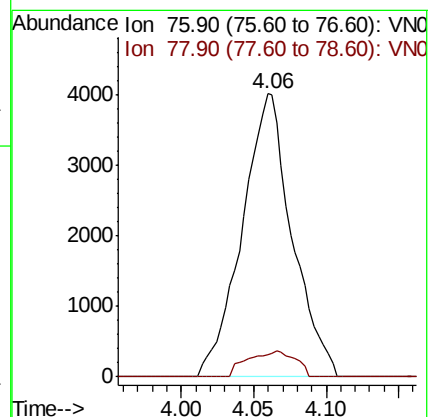
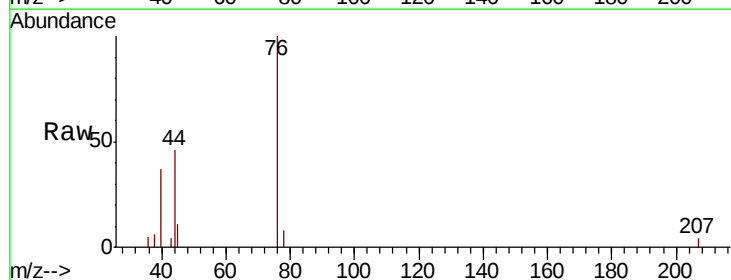
Acq: 27 Nov 2018 16:20

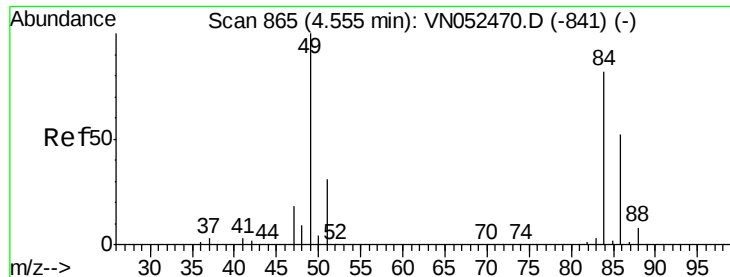
Tgt Ion: 76 Resp: 9620

Ion Ratio Lower Upper

76 100

78 7.8 7.4 11.0

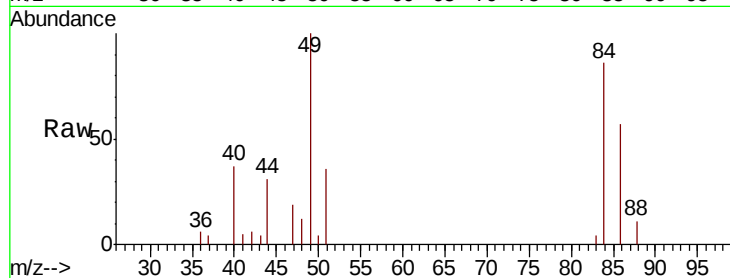




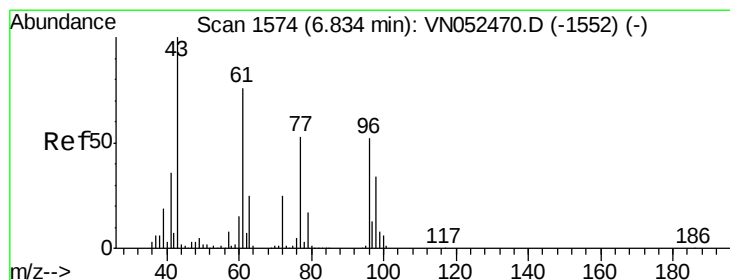
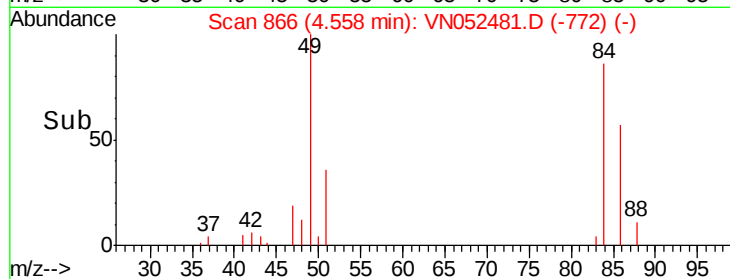
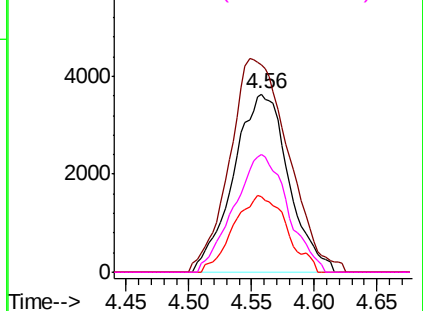
#20
Methvlene Chloride
Concen: 0.743 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052481.D
Acq: 27 Nov 2018 16:20

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion: 84 Resp: 11104
Ion Ratio Lower Upper
84 100
49 116.7 98.0 147.0
51 42.5 30.1 45.1
86 66.5 50.7 76.1

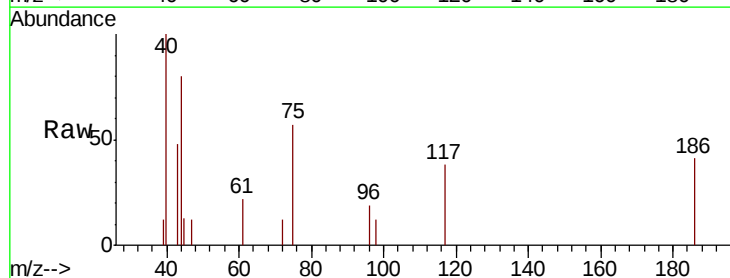


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

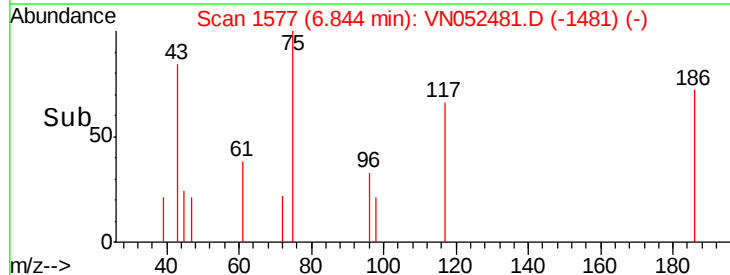
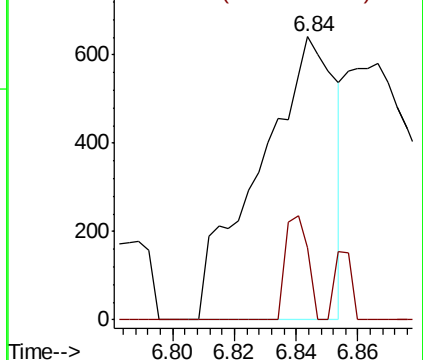


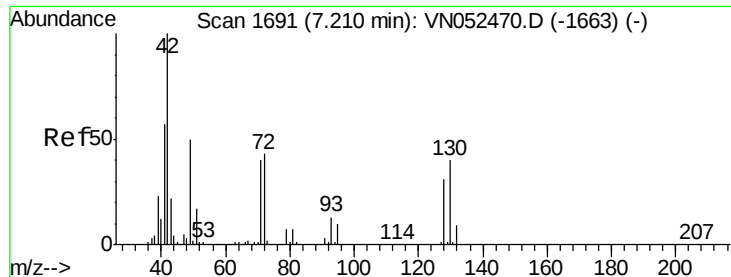
#25
2-Butanone
Concen: 0.202 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN052481.D
Acq: 27 Nov 2018 16:20

Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
72 25.7 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.345 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.02 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

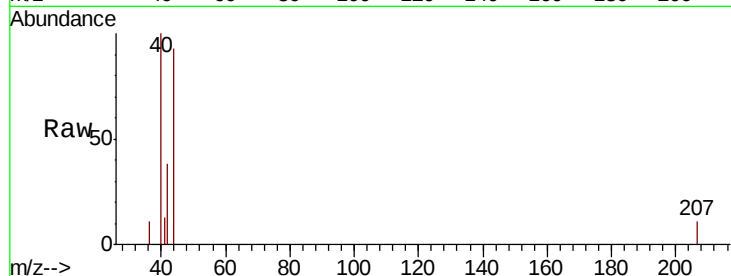
Tot Ion: 42 Resp: 1206

Ion Ratio Lower Upper

42 100

72 13.7 33.3 49.9#

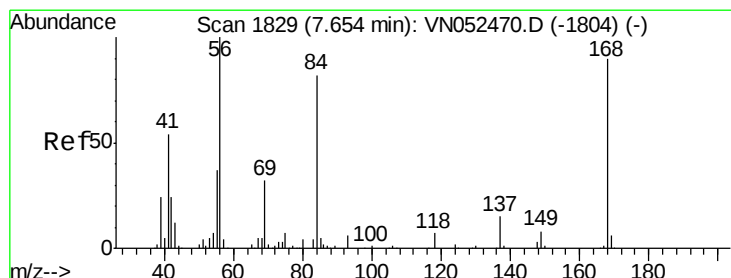
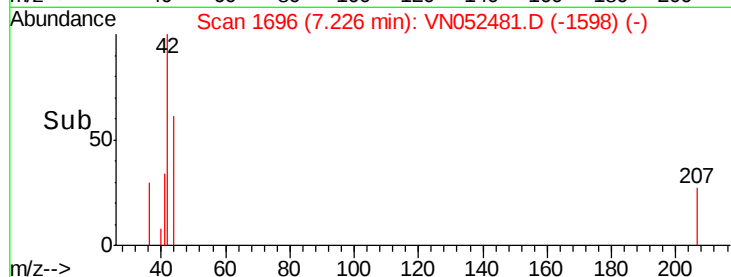
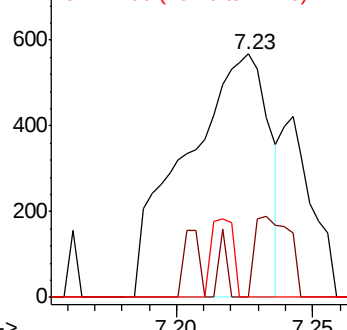
71 0.0 32.0 48.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.609 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

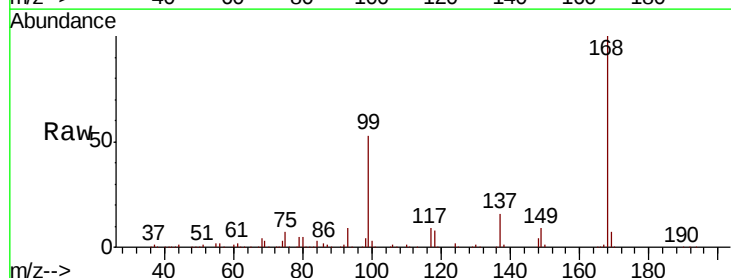
Tgt Ion: 56 Resp: 24176

Ion Ratio Lower Upper

56 100

69 192.8 25.8 38.6#

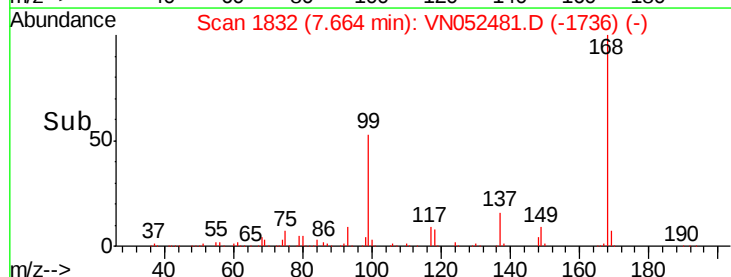
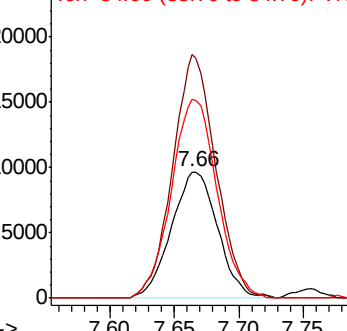
84 156.9 65.3 97.9#

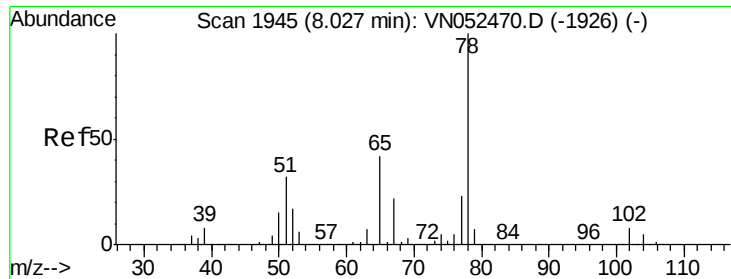


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

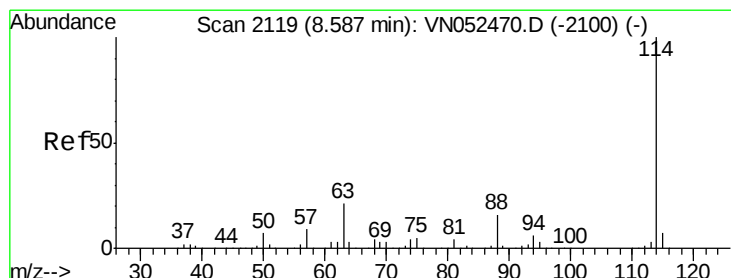
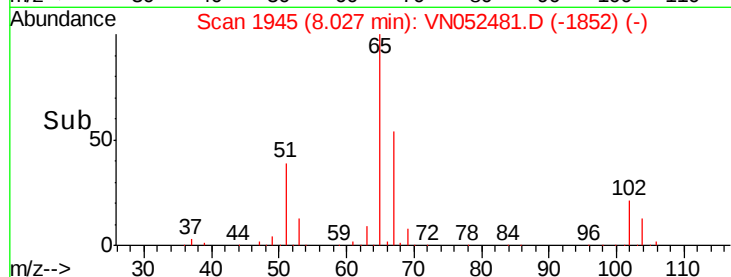
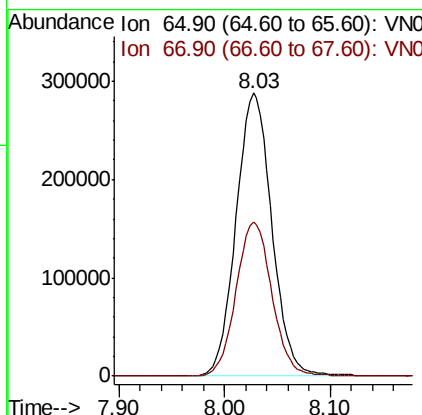
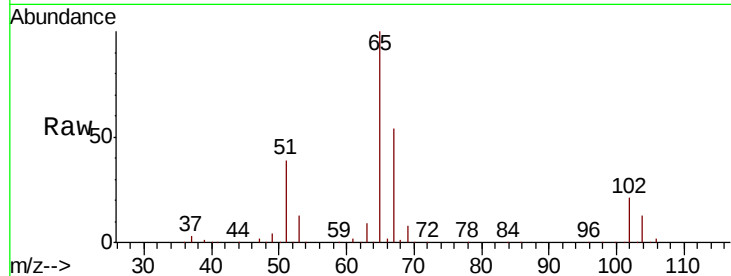




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052481.D
 Acq: 27 Nov 2018 16:20

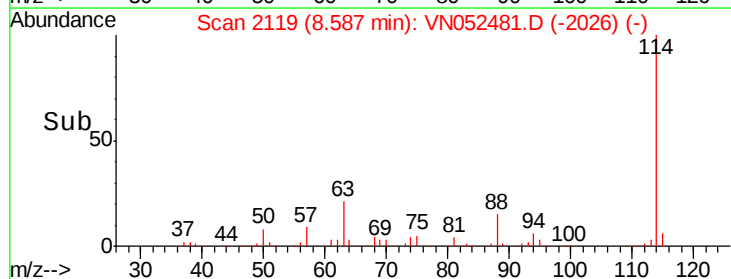
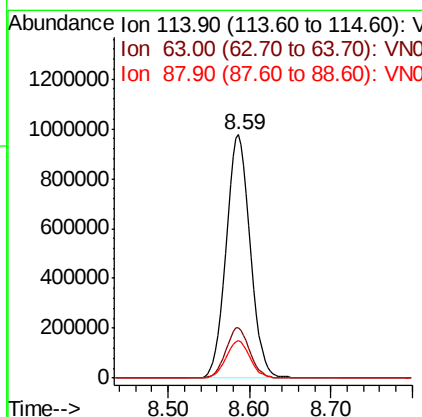
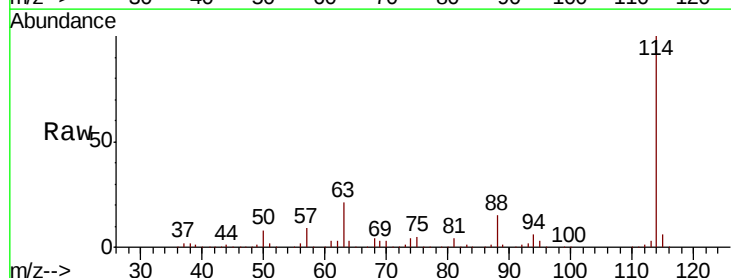
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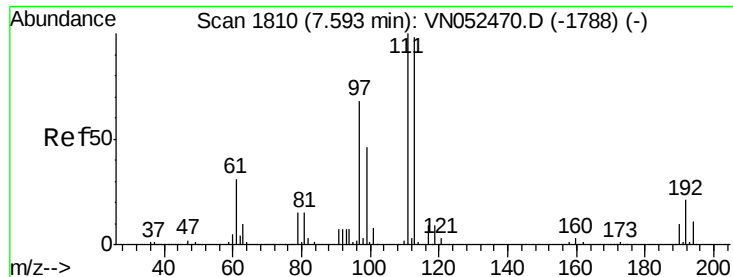
Tot Ion: 65 Resp: 678825
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052481.D
 Acq: 27 Nov 2018 16:20

Tgt Ion: 114 Resp: 2034857
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.8
 88 15.4 0.0 31.6

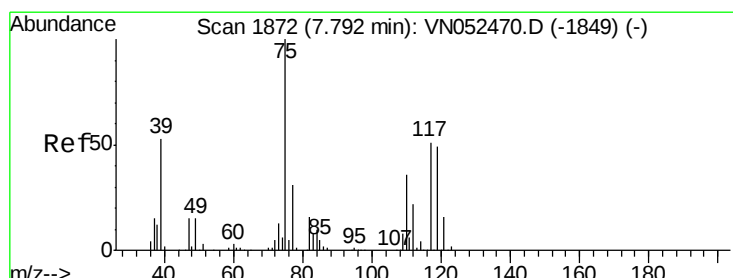
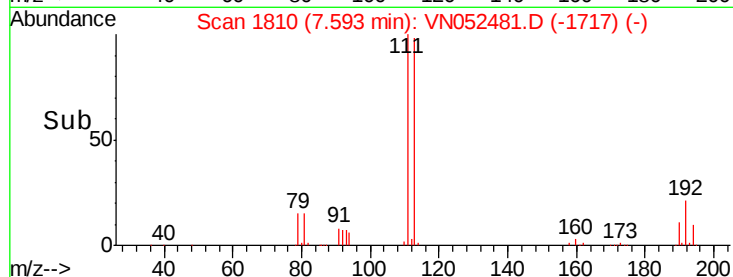
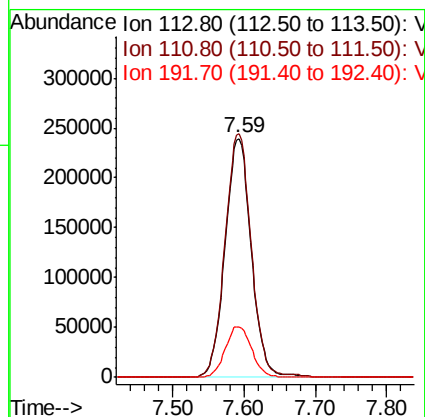
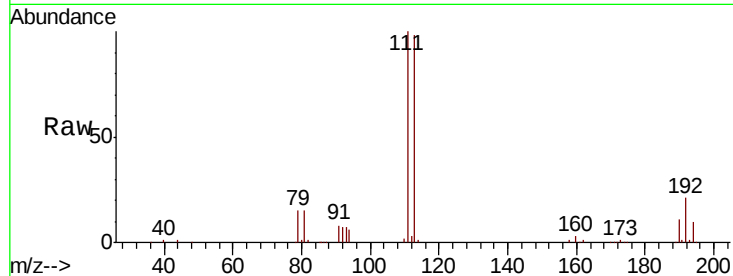




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052481.D
Acq: 27 Nov 2018 16:20

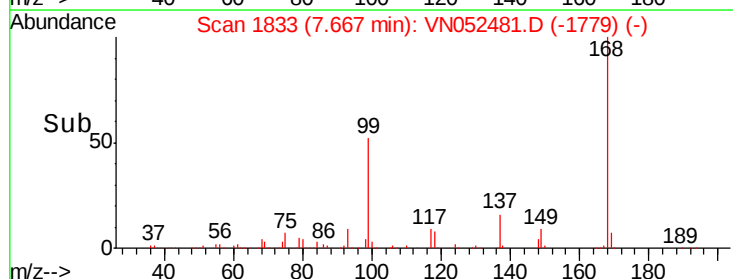
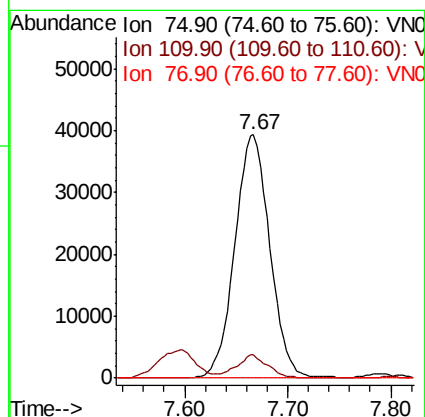
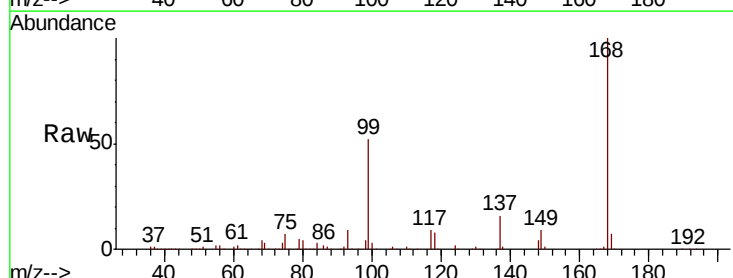
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

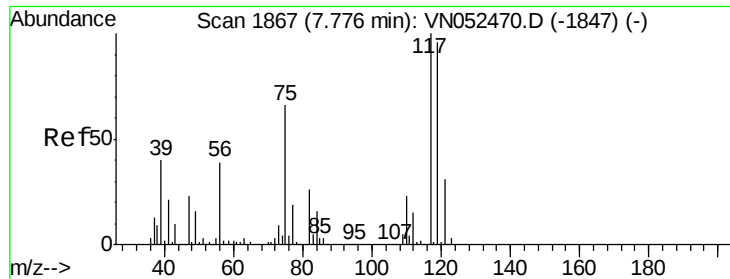
Tot Ion:113 Resp: 611054
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 21.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.830 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN052481.D
Acq: 27 Nov 2018 16:20

Tgt Ion: 75 Resp: 92803
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.6#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.946 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

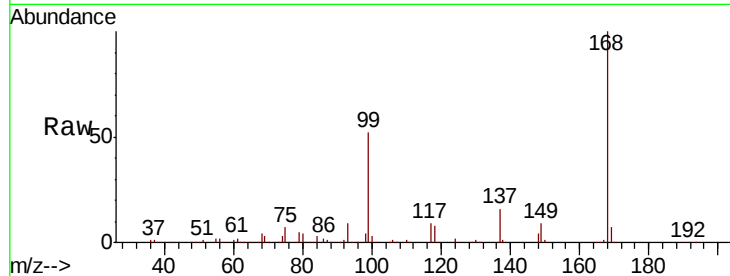
Tot Ion:117 Resp: 120828

Ion Ratio Lower Upper

117 100

119 4.6 76.8 115.2#

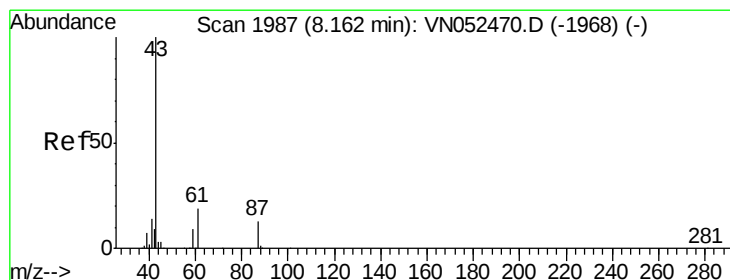
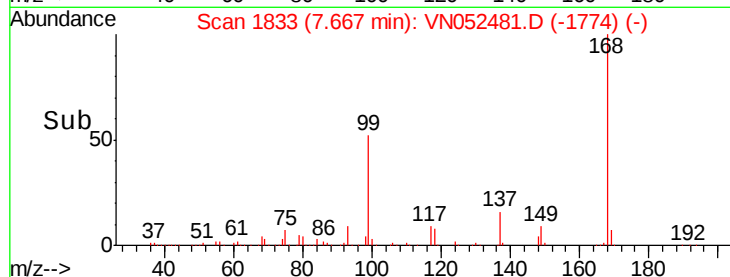
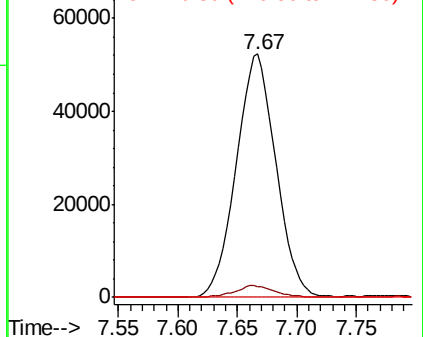
121 0.0 24.9 37.3#



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: 1.126 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

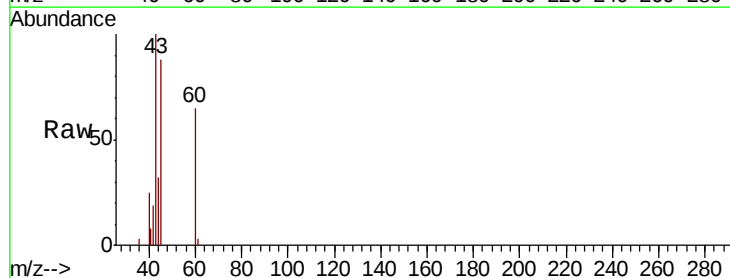
Tgt Ion: 43 Resp: 22345

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

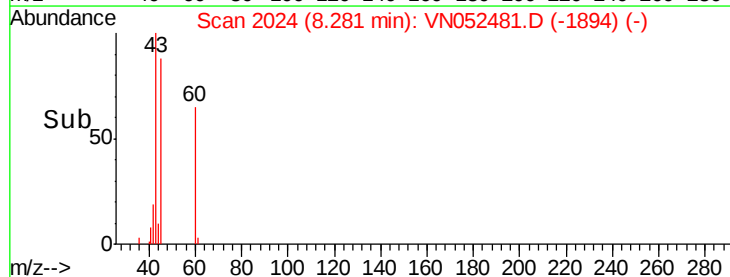
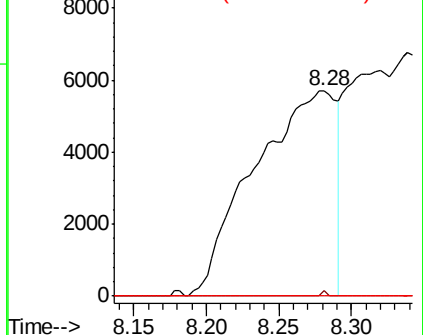
87 0.0 10.6 15.8#

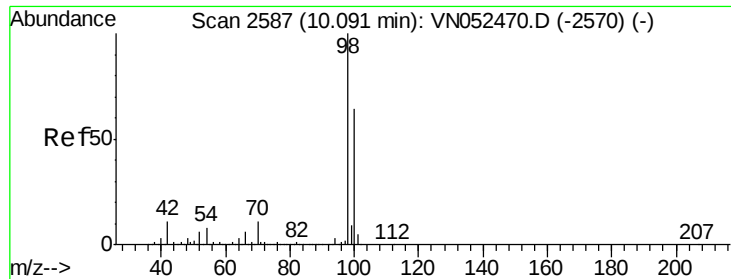


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

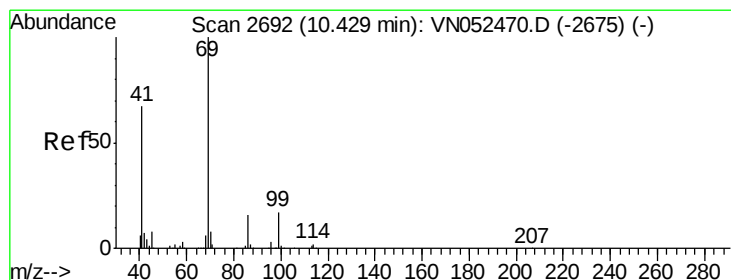
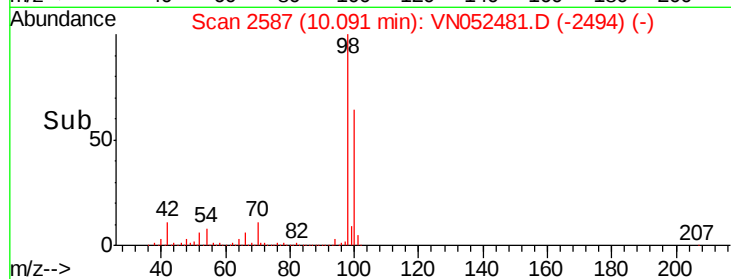
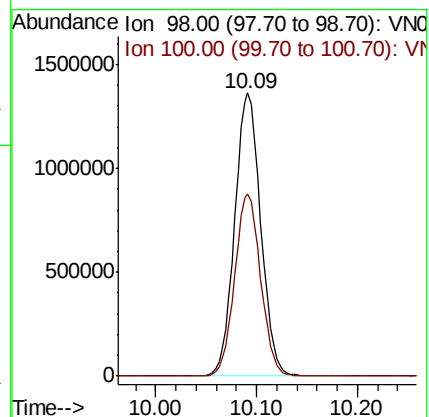
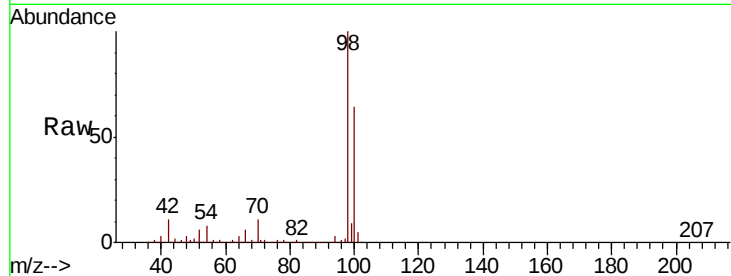
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 2450765

Ion Ratio Lower Upper

98 100

100 64.3 51.3 76.9



#56

Ethyl methacrylate

Concen: 2.700 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

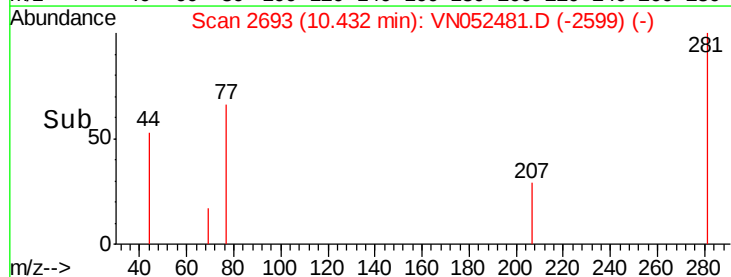
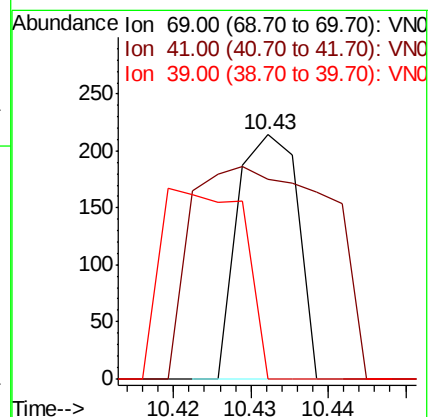
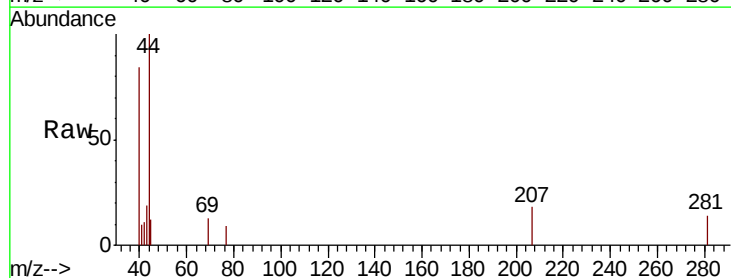
Tgt Ion: 69 Resp: 115

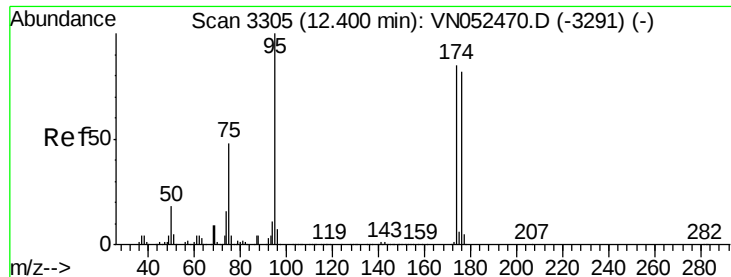
Ion Ratio Lower Upper

69 100

41 200.9 52.6 79.0#

39 107.8 25.9 38.9#

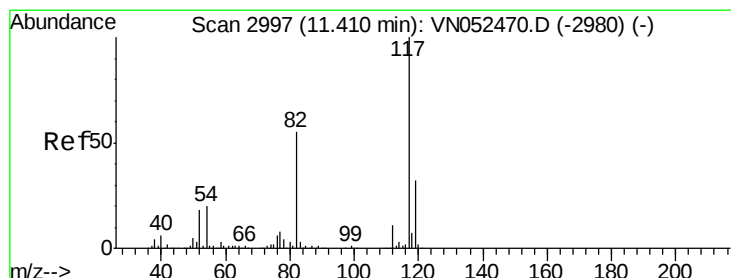
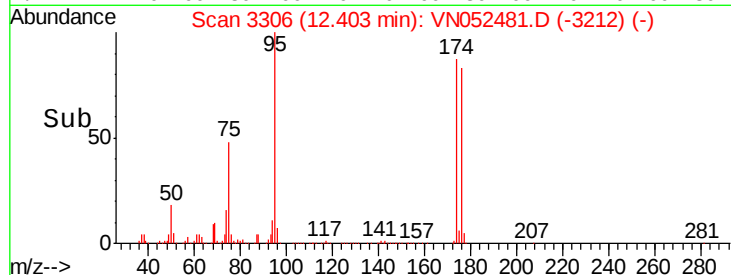
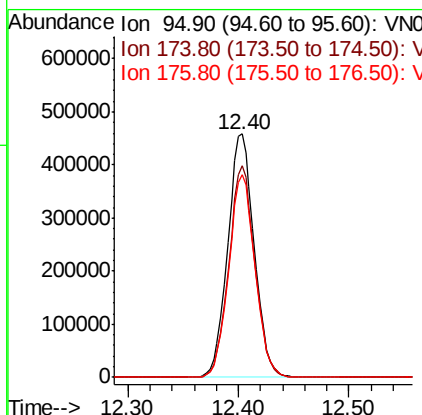
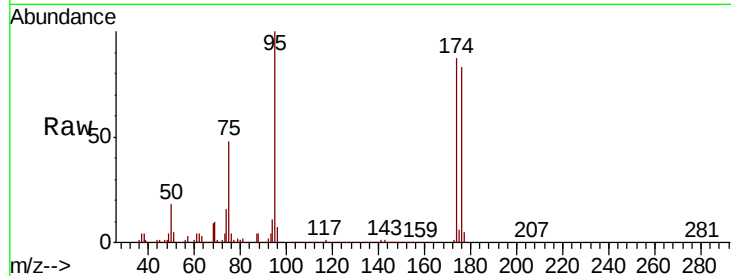




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052481.D
Acq: 27 Nov 2018 16:20

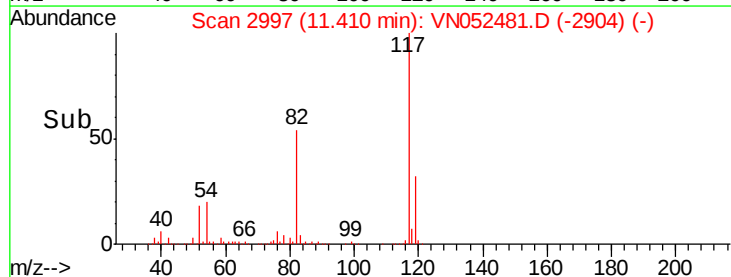
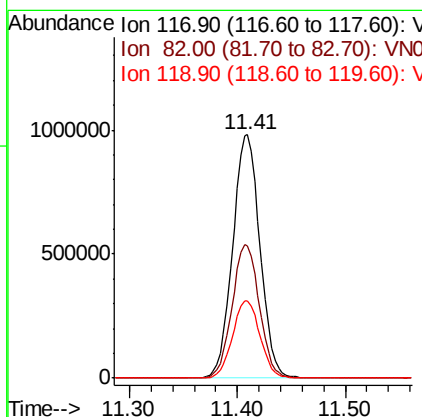
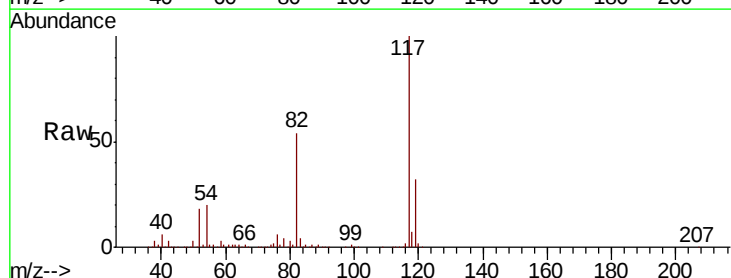
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

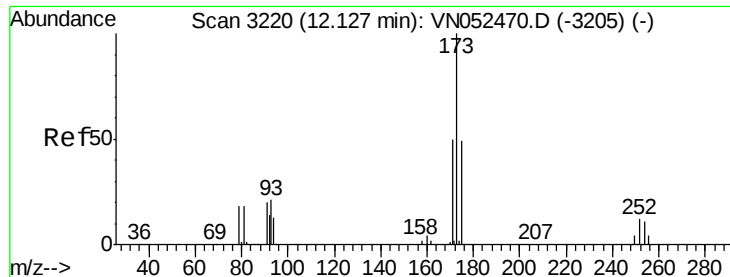
Tot Ion: 95 Resp: 759709
Ion Ratio Lower Upper
95 100
174 85.7 0.0 173.0
176 83.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052481.D
Acq: 27 Nov 2018 16:20

Tgt Ion: 117 Resp: 1727144
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 31.6 25.4 38.2





#71

Bromoform

Concen: 0.541 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

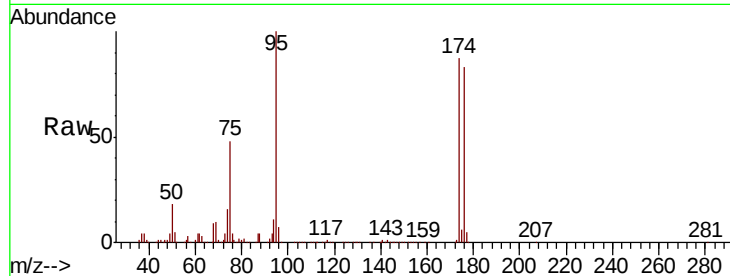
Tot Ion:173 Resp: 4436

Ion Ratio Lower Upper

173 100

175 892.7 24.4 73.2#

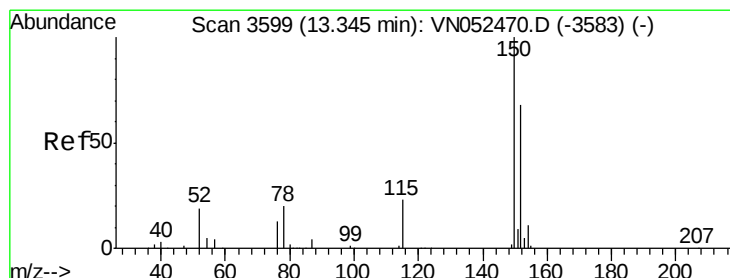
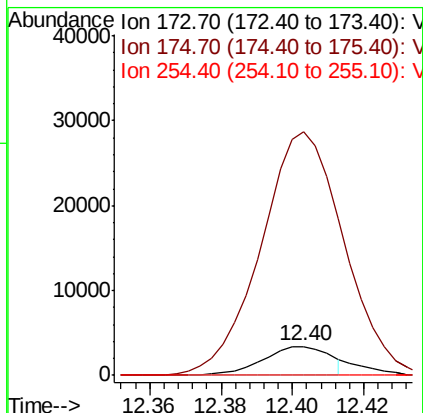
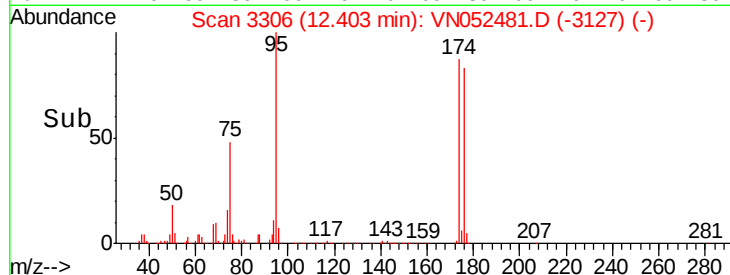
254 0.0 0.1 0.1#



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: VN052481.D

Acq: 27 Nov 2018 16:20

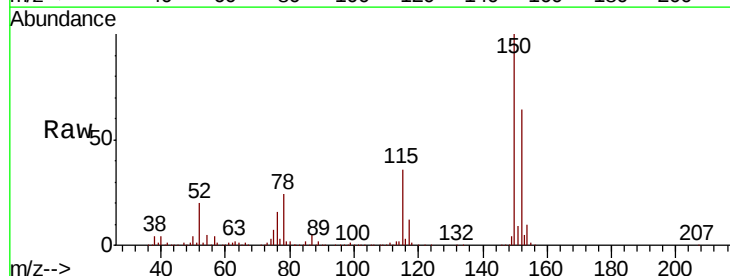
Tgt Ion:152 Resp: 627386

Ion Ratio Lower Upper

152 100

115 57.6 28.4 85.2

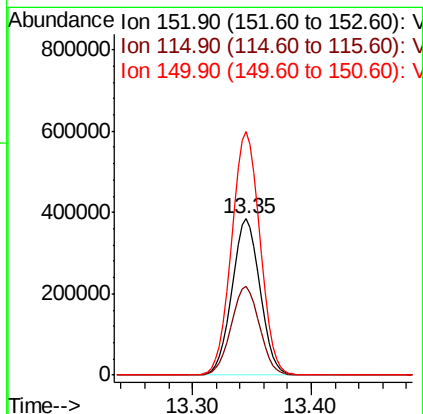
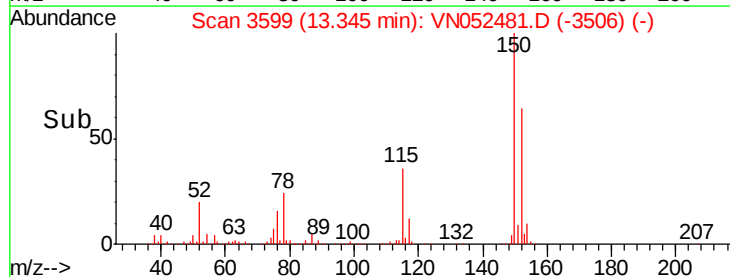
150 157.5 0.0 346.0

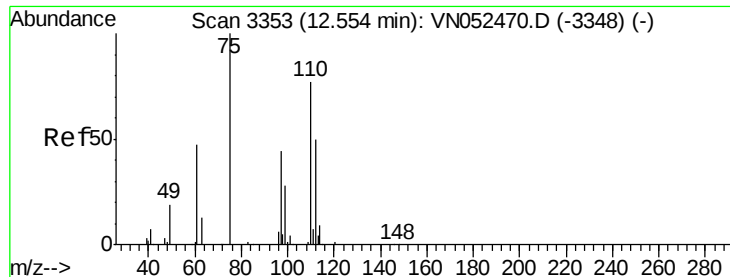


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.531 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

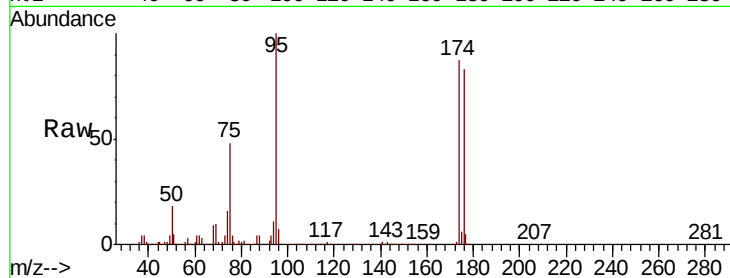
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 363097

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

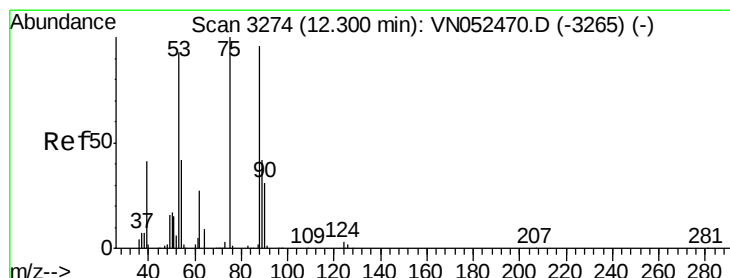
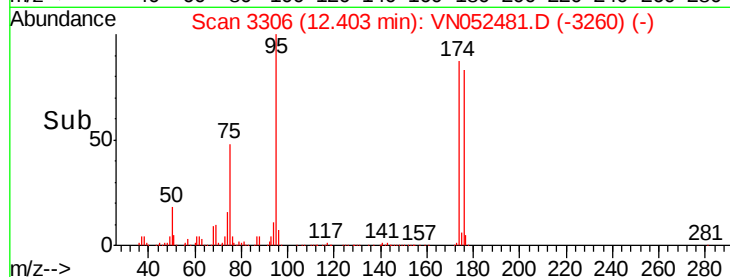
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 125.335 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

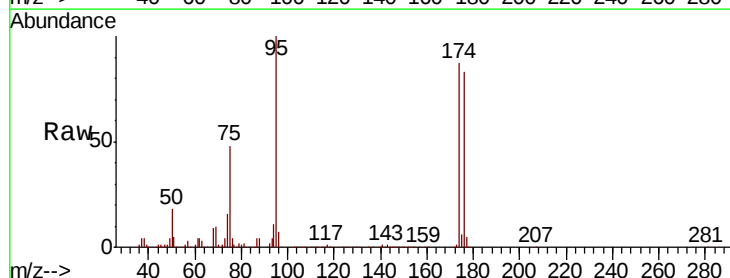
Tgt Ion: 75 Resp: 363097

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#



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

300000

250000

200000

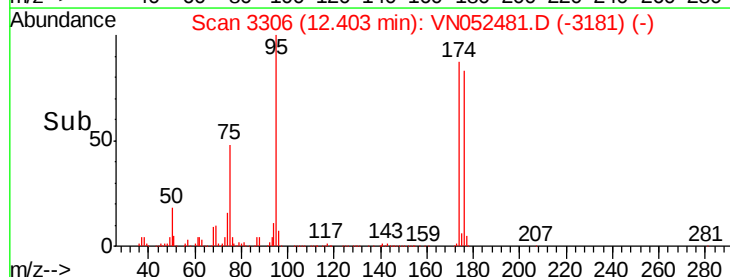
150000

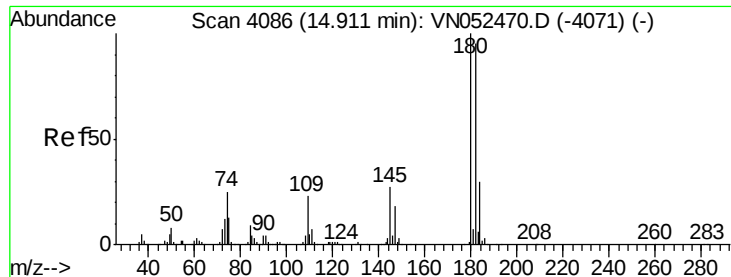
100000

50000

0

Time--> 12.30 12.40 12.50

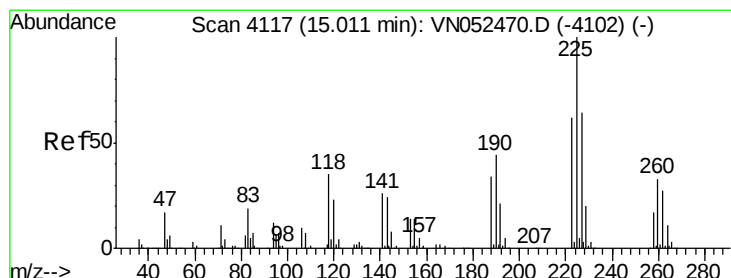
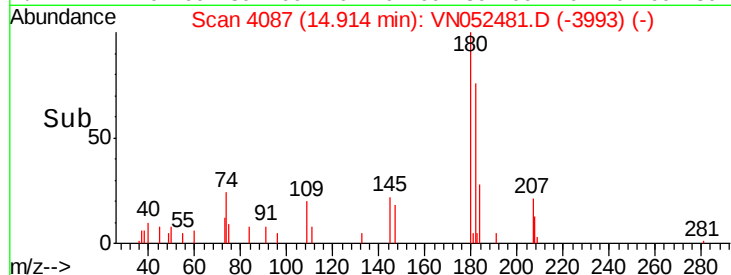
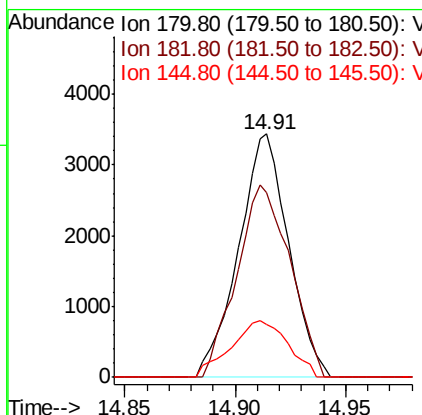
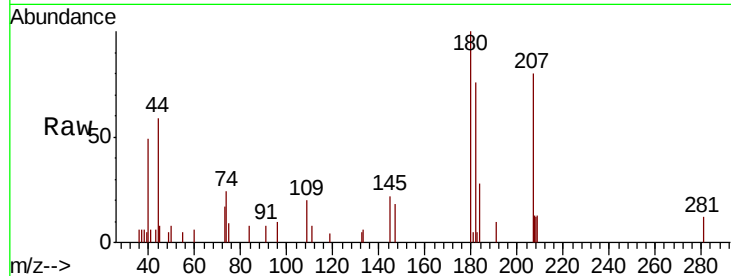




#93
 1,2,4-Trichlorobenzene
 Concen: 3.288 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052481.D
 Acq: 27 Nov 2018 16:20

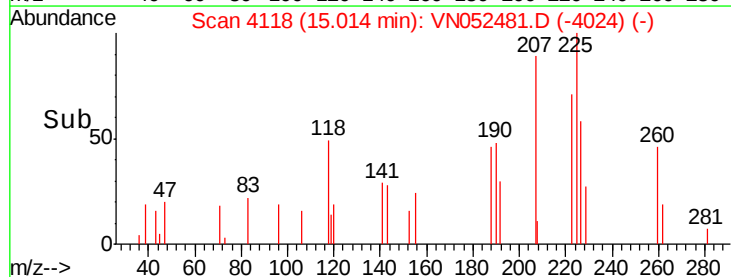
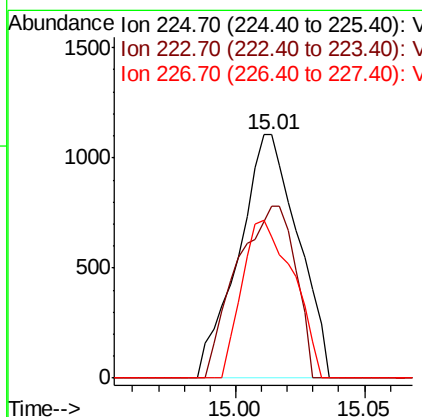
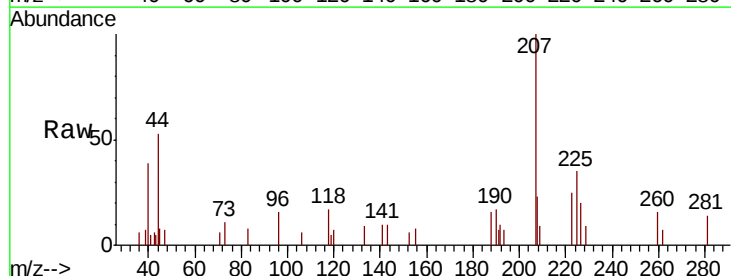
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

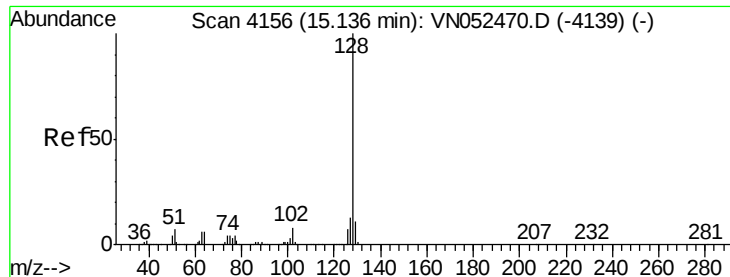
Tot Ion:180 Resp: 5415
 Ion Ratio Lower Upper
 180 100
 182 84.1 47.8 143.4
 145 26.5 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 0.272 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052481.D
 Acq: 27 Nov 2018 16:20

Tgt Ion:225 Resp: 1777
 Ion Ratio Lower Upper
 225 100
 223 69.7 31.4 94.2
 227 56.3 32.5 97.4





#95

Naphthalene

Concen: 3.900 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

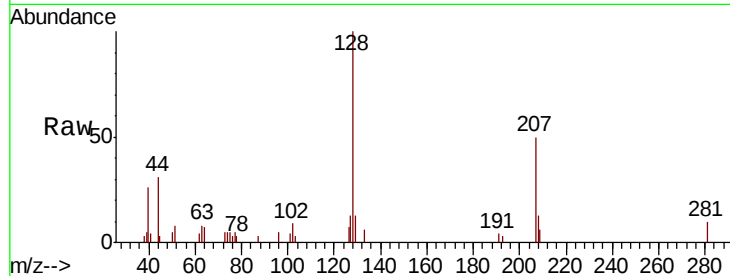
Tot Ion:128 Resp: 11958

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

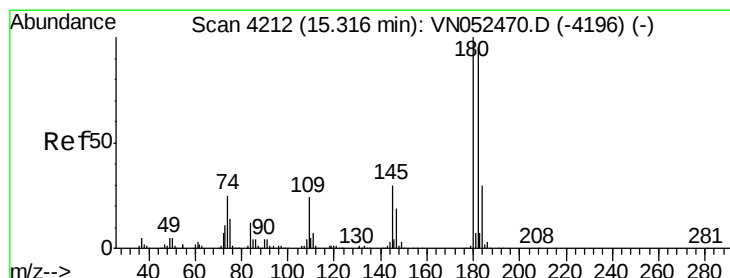
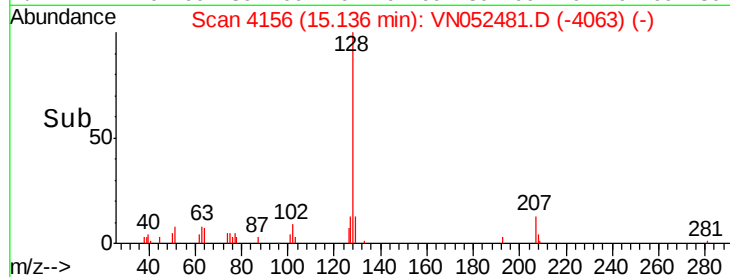
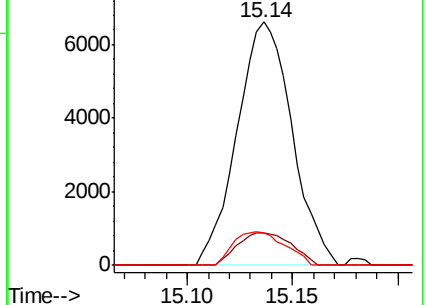
129 12.9 8.7 13.1



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: 3.170 ug/l

RT: 15.32 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN052481.D

Acq: 27 Nov 2018 16:20

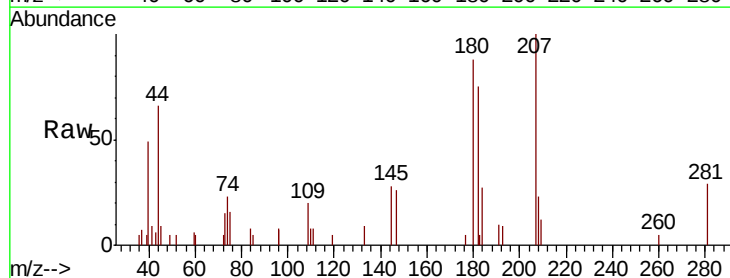
Tgt Ion:180 Resp: 4798

Ion Ratio Lower Upper

180 100

182 99.4 47.8 143.3

145 32.7 15.2 45.5



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

