

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052479.D
 Acq On : 27 Nov 2018 15:27
 Operator : MD\SY
 Sample : J6063-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Nov 28 06:10:38 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	1323659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2035709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1723036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	626699	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	682468	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
35) Dibromofluoromethane	7.59	113	620756	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
50) Toluene-d8	10.09	98	2447550	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	756912	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	

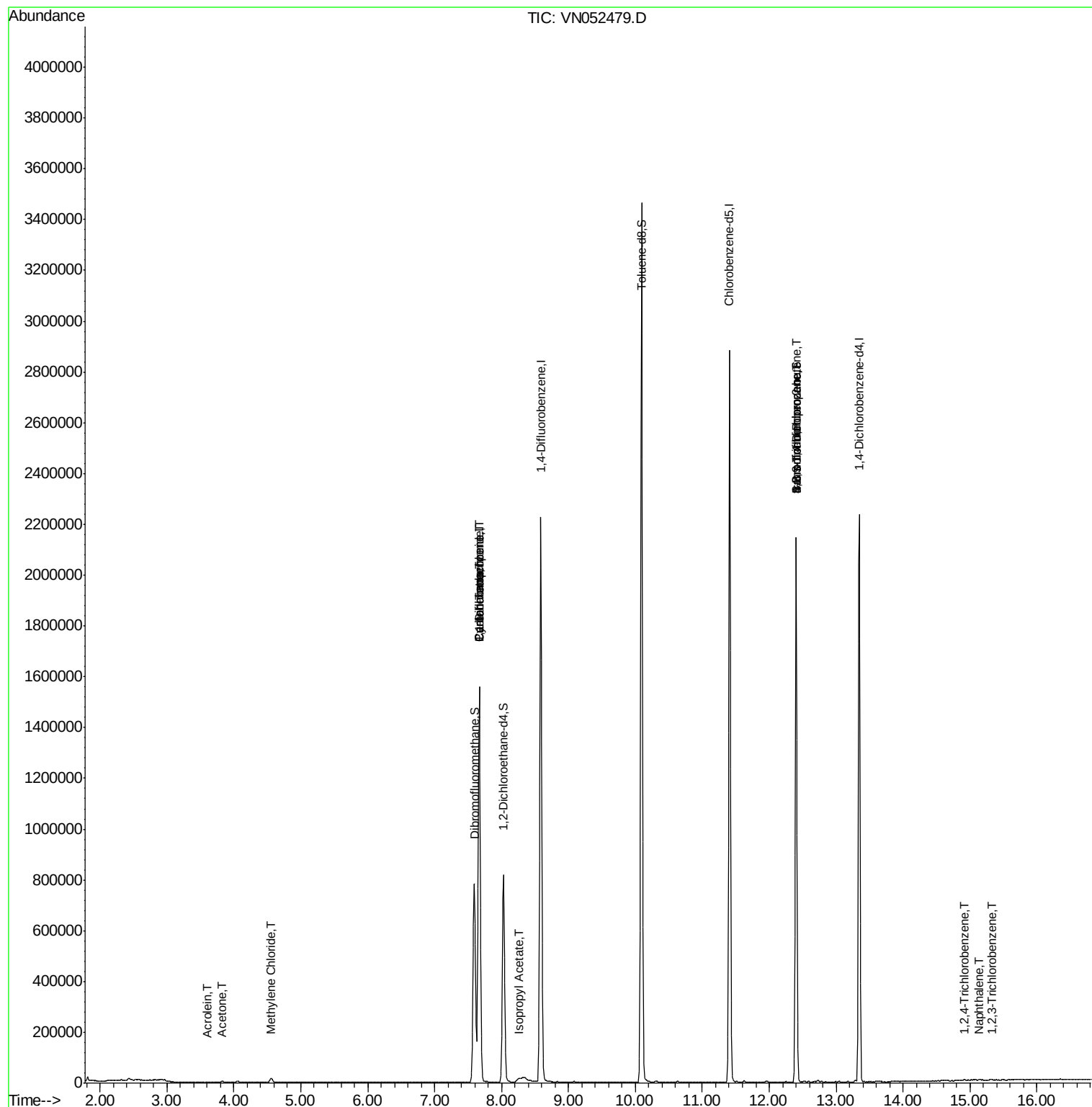
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	141	33.572	ug/l #	14
16) Acetone	3.82	43	7332	1.929	ug/l #	86
20) Methylene Chloride	4.55	84	11427	0.768	ug/l #	93
31) Cyclohexane	7.67	56	24288	0.618	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	93076	4.842	ug/l #	50
38) Carbon Tetrachloride	7.66	117	119505	6.867	ug/l #	16
43) Isopropyl Acetate	8.26	43	12193	0.614	ug/l #	51
71) Bromoform	12.40	173	4408	0.539	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	362779	37.539	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	362779	125.363	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1530	2.959	ug/l	87
95) Naphthalene	15.13	128	4102	3.590	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.32	180	1630	2.878	ug/l #	82

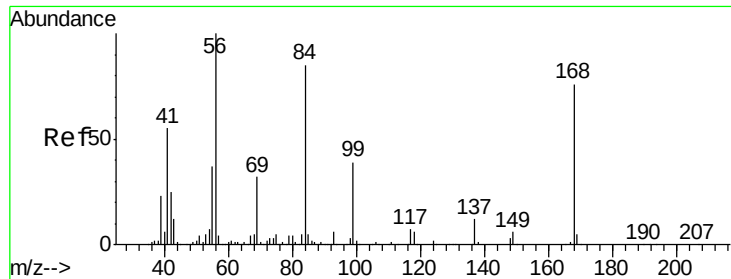
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052479.D

Acq: 27 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampleId :

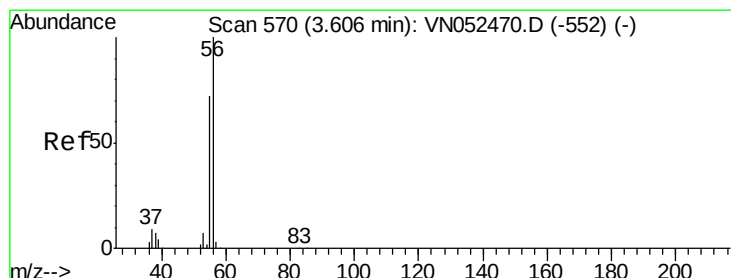
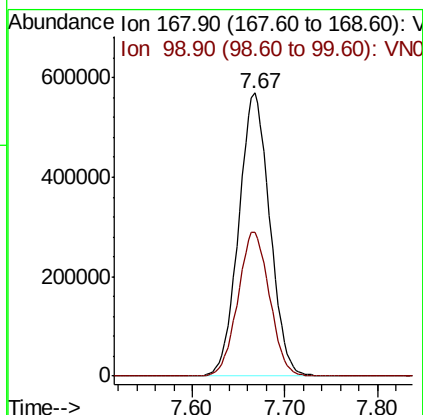
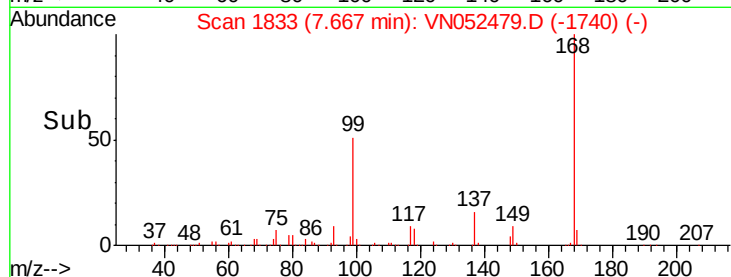
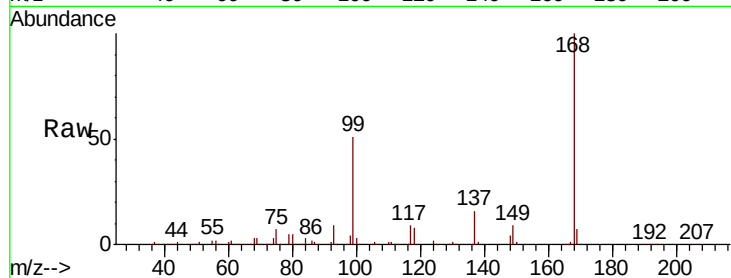
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 1323659

Ion Ratio Lower Upper

168 100

99 51.0 41.7 62.5



#13

Acrolein

Concen: 33.572 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN052479.D

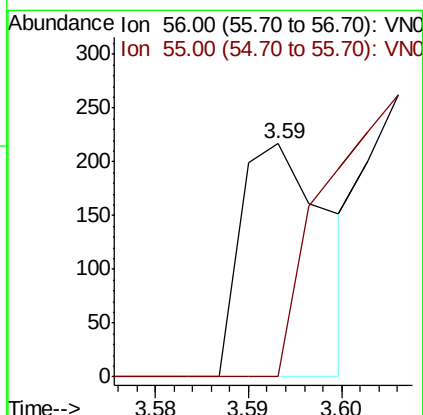
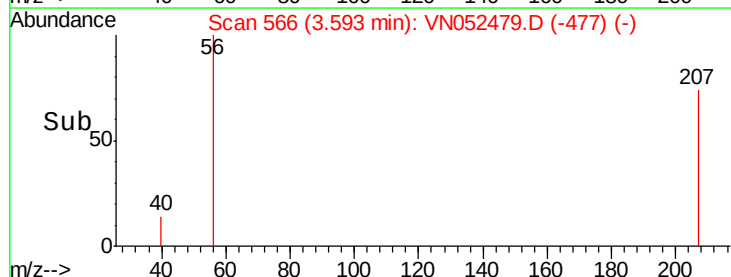
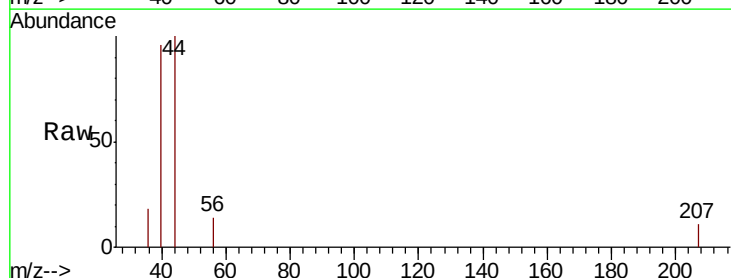
Acq: 27 Nov 2018 15:27

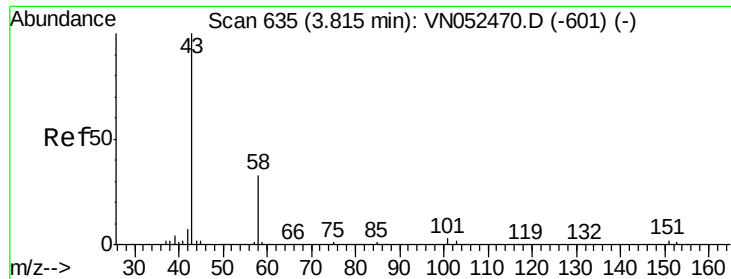
Tgt Ion: 56 Resp: 141

Ion Ratio Lower Upper

56 100

55 0.0 56.8 85.2#





#16

Acetone

Concen: 1.929 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052479.D

Acq: 27 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampleId :

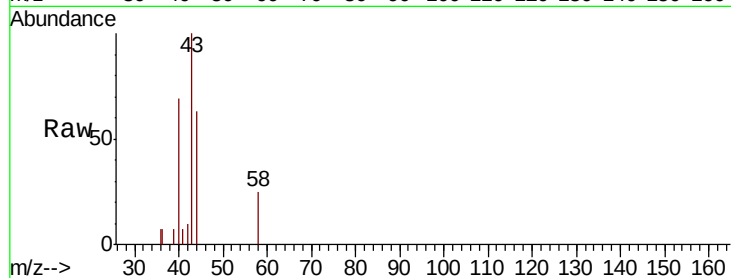
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 7332

Ion Ratio Lower Upper

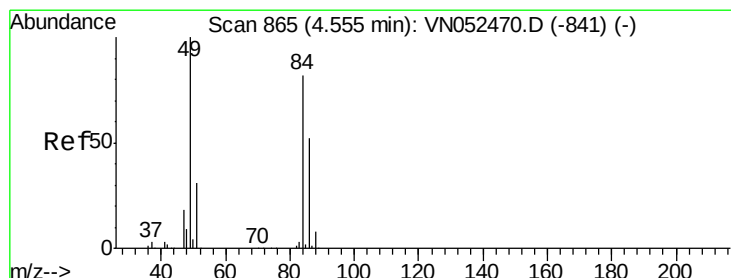
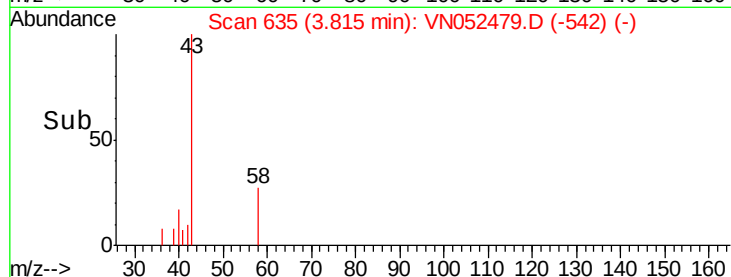
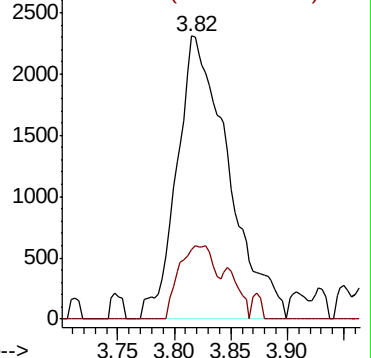
43 100

58 24.7 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 0.768 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052479.D

Acq: 27 Nov 2018 15:27

Tgt Ion: 84 Resp: 11427

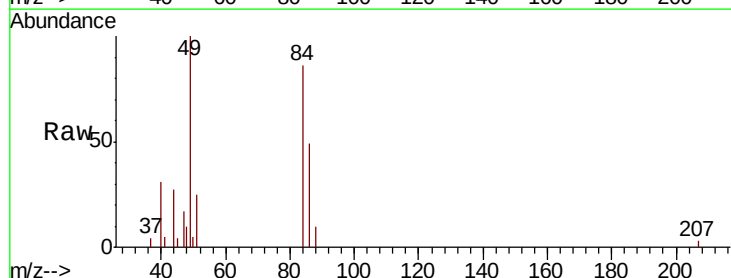
Ion Ratio Lower Upper

84 100

49 116.4 98.0 147.0

51 29.4 30.1 45.1#

86 57.3 50.7 76.1

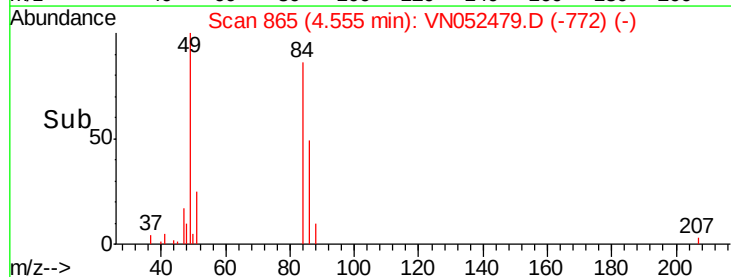
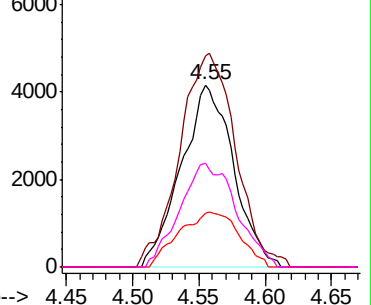


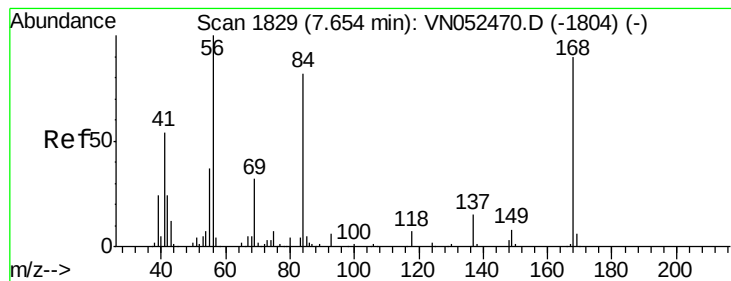
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#31

Cyclohexane

Concen: 0.618 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052479.D

Acq: 27 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

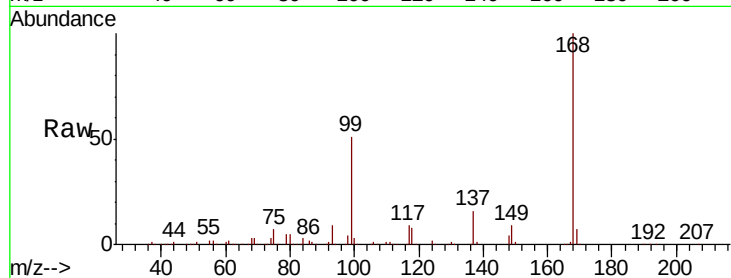
Tot Ion: 56 Resp: 24288

Ion Ratio Lower Upper

56 100

69 170.1 25.8 38.6#

84 152.8 65.3 97.9#

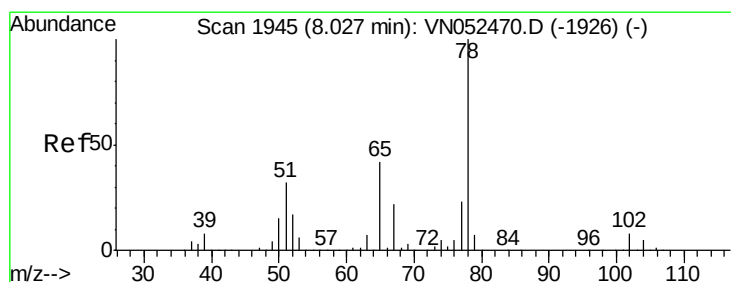
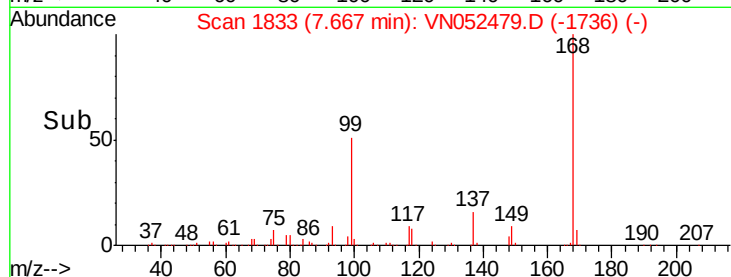
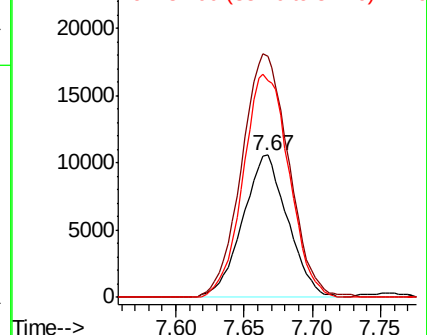


Abundance

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: VN052479.D

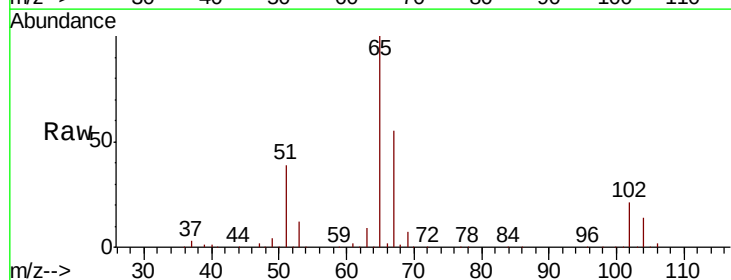
Acq: 27 Nov 2018 15:27

Tgt Ion: 65 Resp: 682468

Ion Ratio Lower Upper

65 100

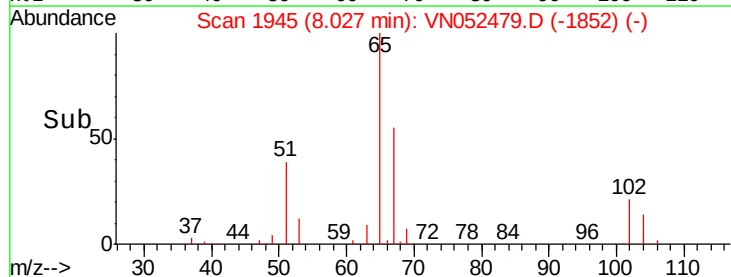
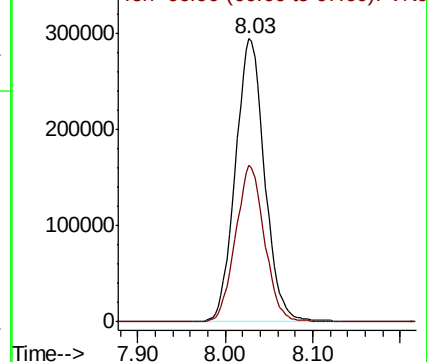
67 54.9 0.0 109.8

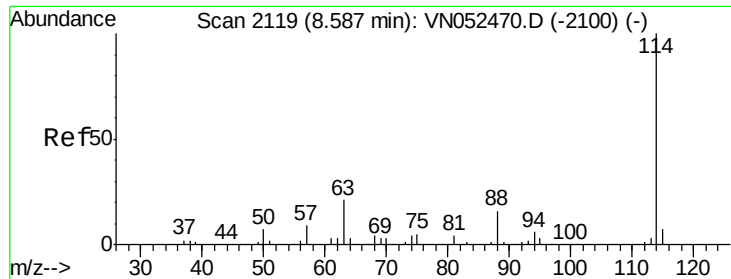


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

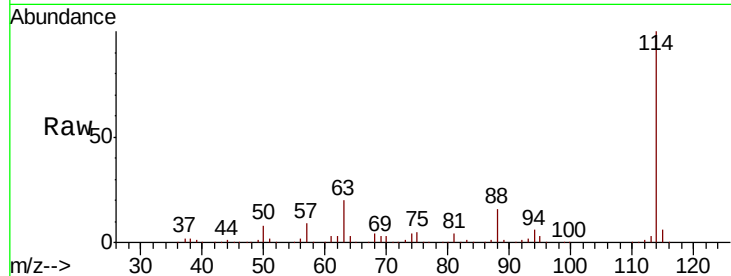




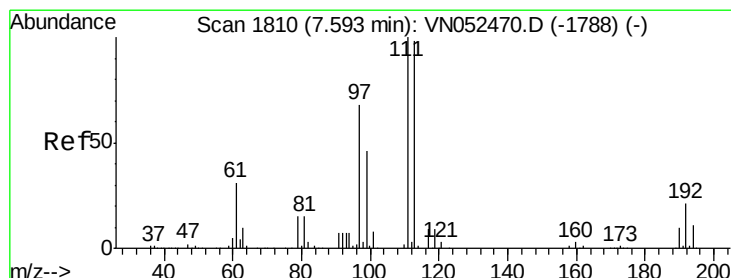
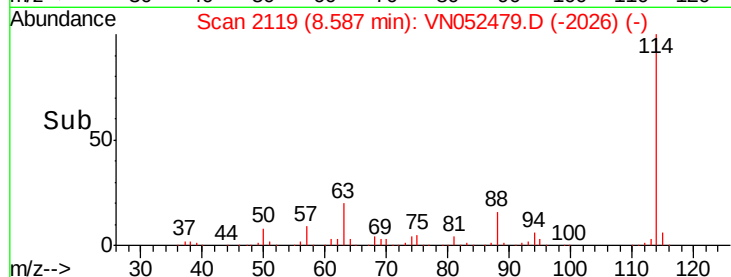
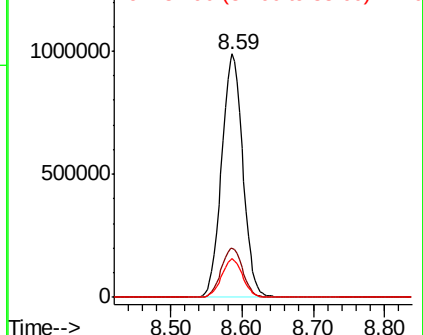
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052479.D
Acq: 27 Nov 2018 15:27

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion:114 Resp: 2035709
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.8
88 15.8 0.0 31.6

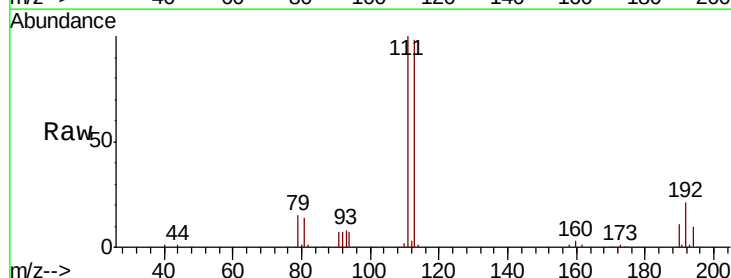


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

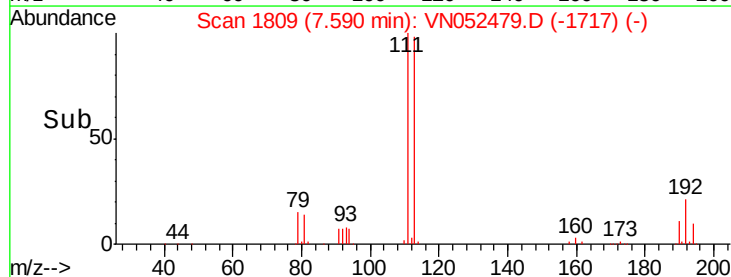
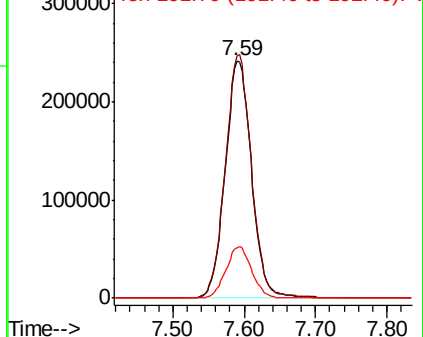


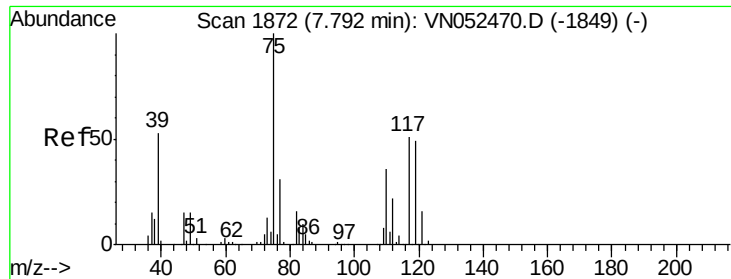
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052479.D
Acq: 27 Nov 2018 15:27

Tgt Ion:113 Resp: 620756
Ion Ratio Lower Upper
113 100
111 101.7 82.0 123.0
192 21.4 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

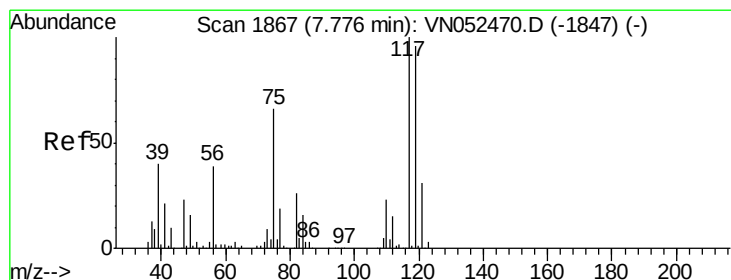
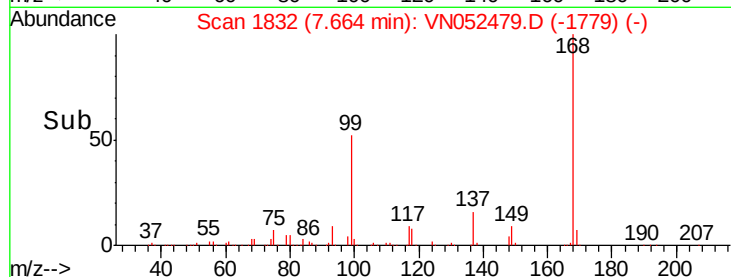
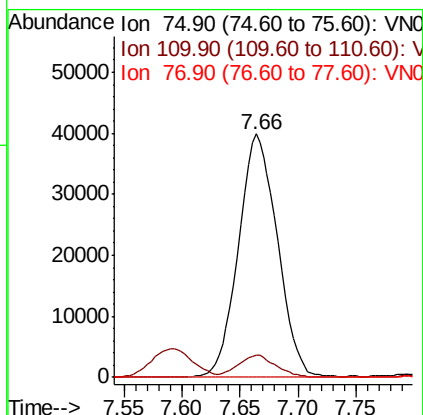
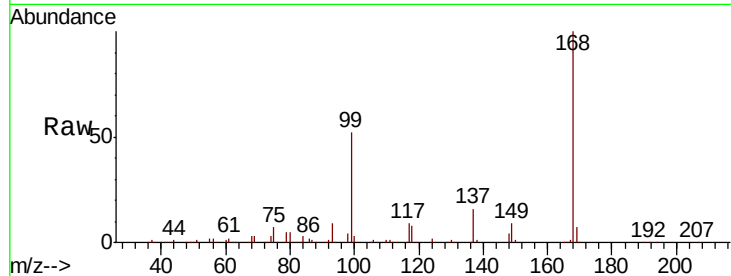




#36
 1,1-Dichloropropene
 Concen: 4.842 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052479.D
 Acq: 27 Nov 2018 15:27

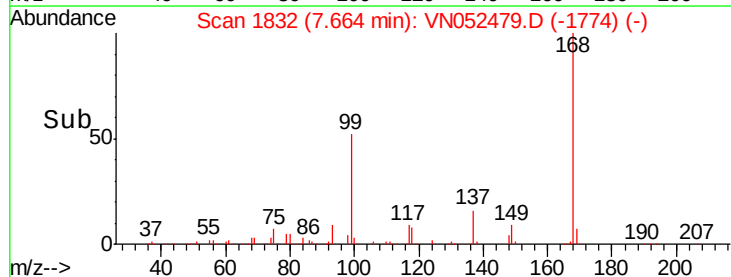
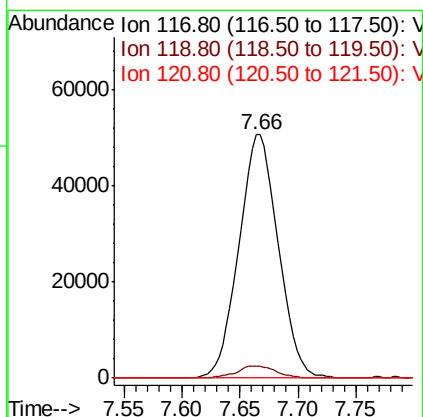
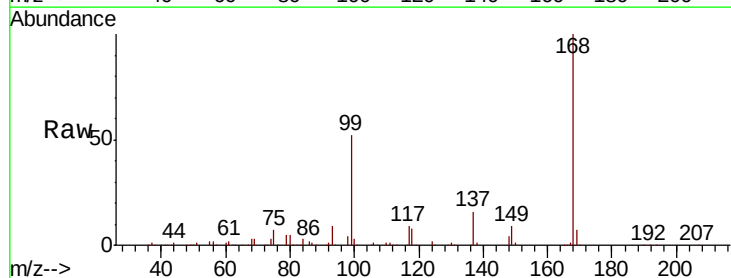
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

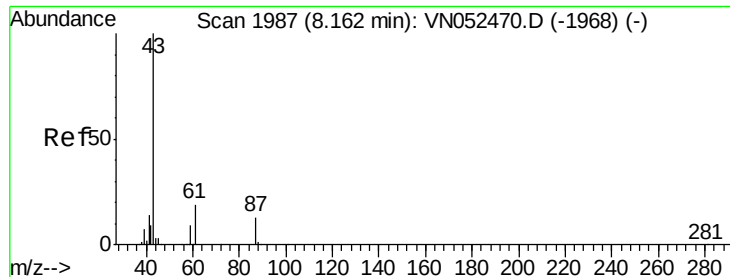
Tot Ion	75	Resp	93076
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.867 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052479.D
 Acq: 27 Nov 2018 15:27

Tgt Ion	117	Resp	119505
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.1	76.8	115.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 0.614 ug/l

RT: 8.26 min Scan# 2016

Delta R.T. 0.09 min

Lab File: VN052479.D

Acq: 27 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

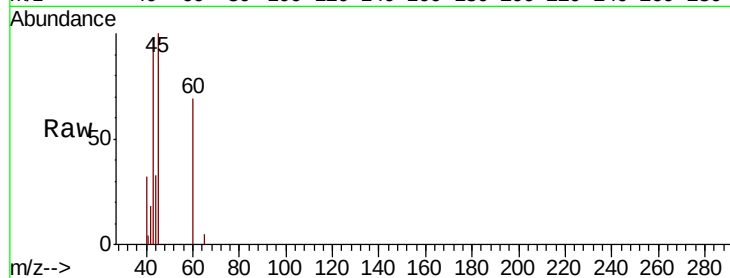
Tot Ion: 43 Resp: 12193

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

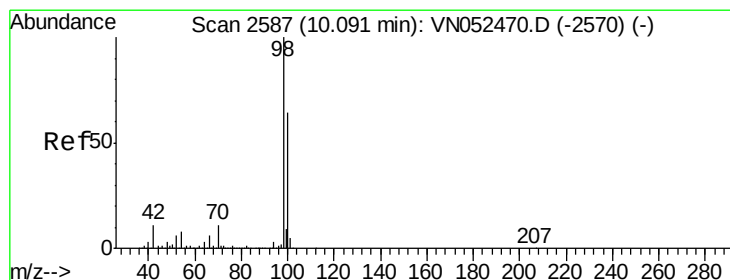
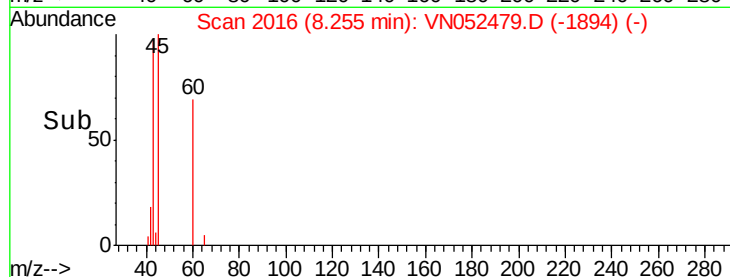
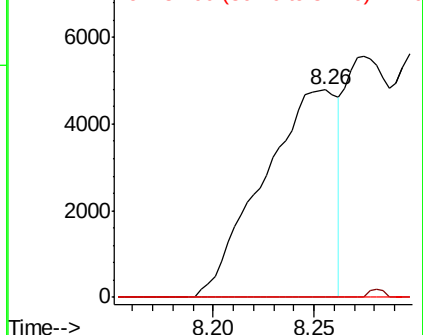
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052479.D

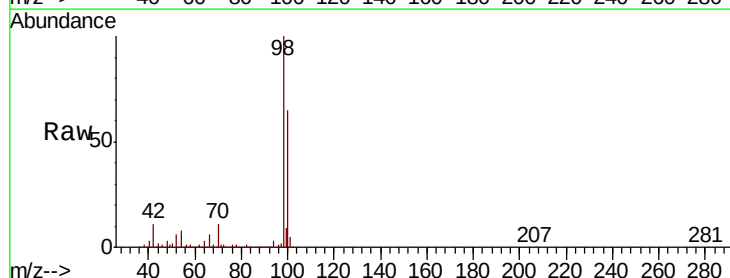
Acq: 27 Nov 2018 15:27

Tgt Ion: 98 Resp: 2447550

Ion Ratio Lower Upper

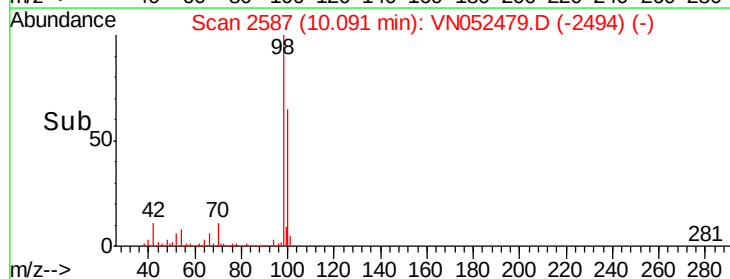
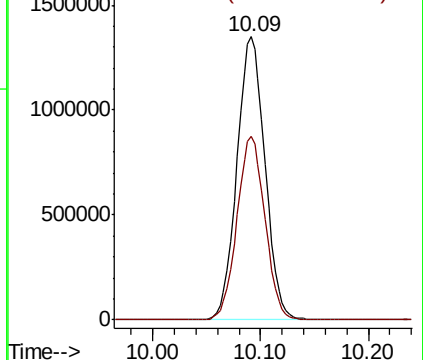
98 100

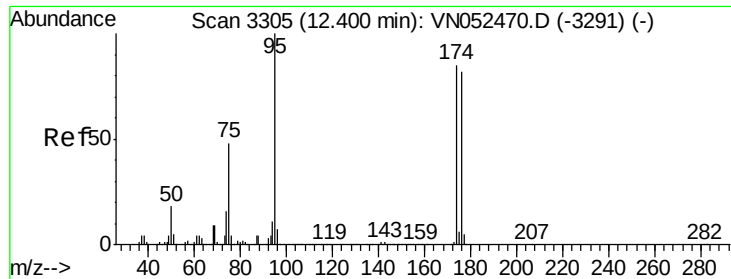
100 64.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

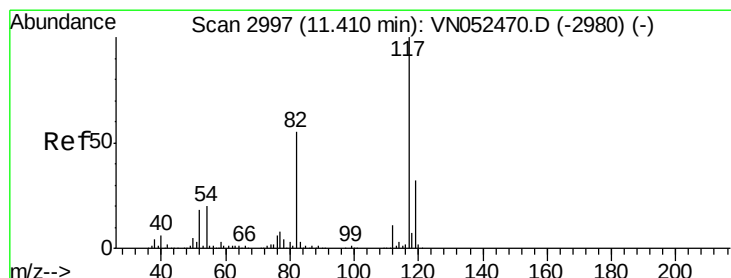
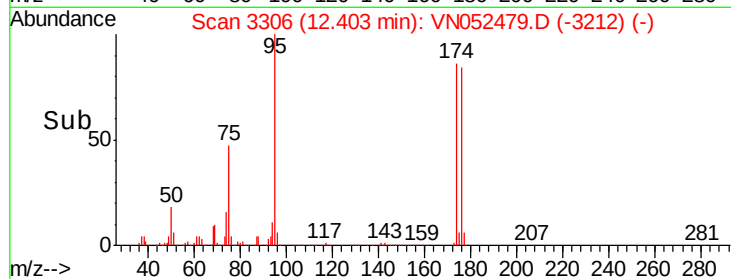
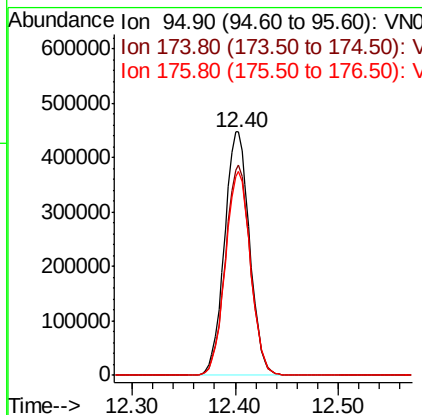
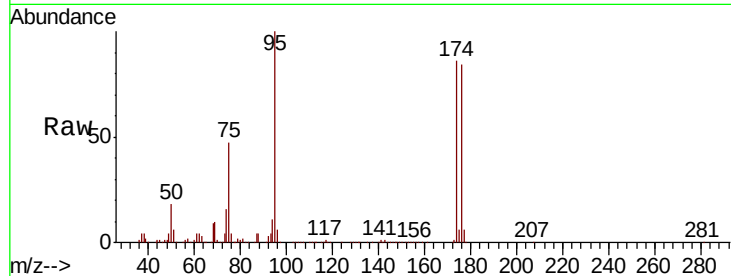




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052479.D
Acq: 27 Nov 2018 15:27

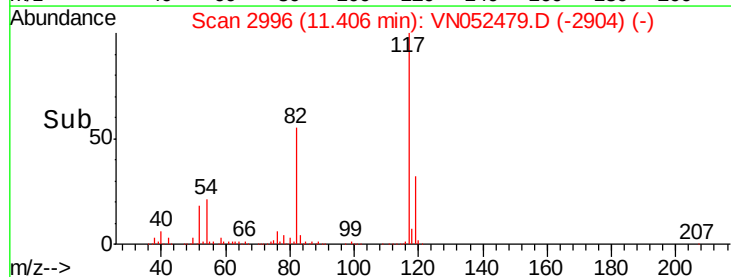
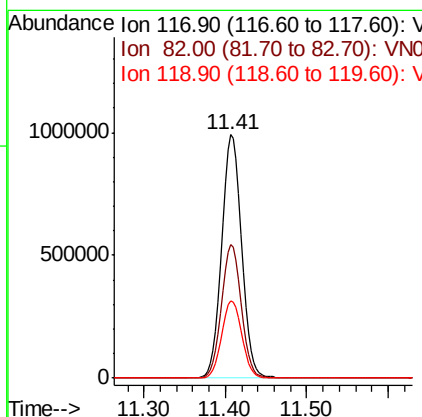
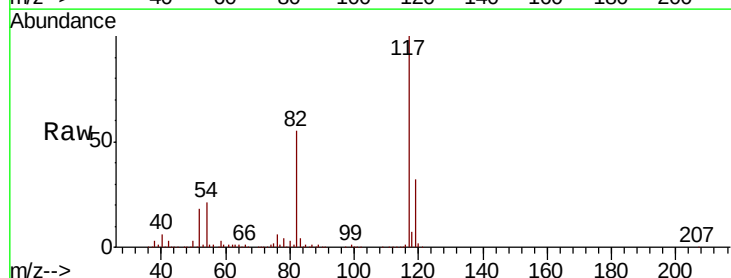
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

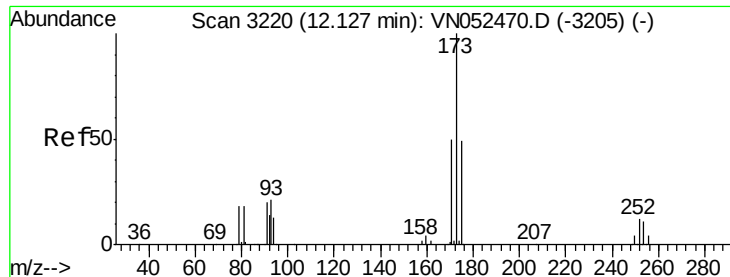
Tot Ion: 95 Resp: 756912
Ion Ratio Lower Upper
95 100
174 85.9 0.0 173.0
176 84.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052479.D
Acq: 27 Nov 2018 15:27

Tgt Ion: 117 Resp: 1723036
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 31.8 25.4 38.2





#71

Bromoform

Concen: 0.539 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052479.D

Acq: 27 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

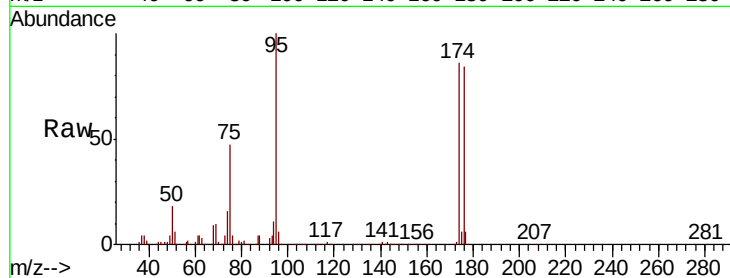
Tot Ion:173 Resp: 4408

Ion Ratio Lower Upper

173 100

175 911.9 24.4 73.2#

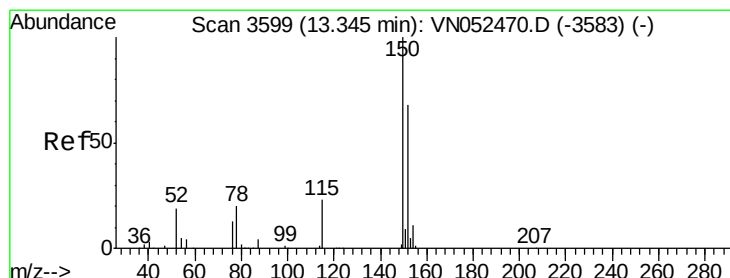
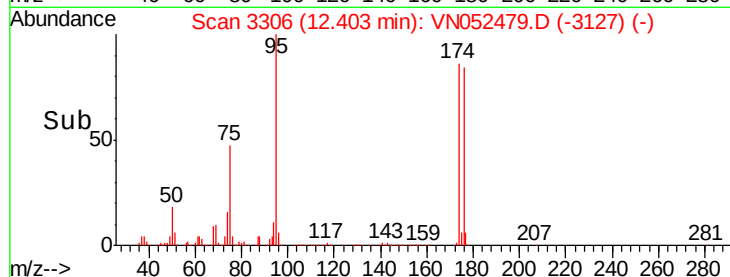
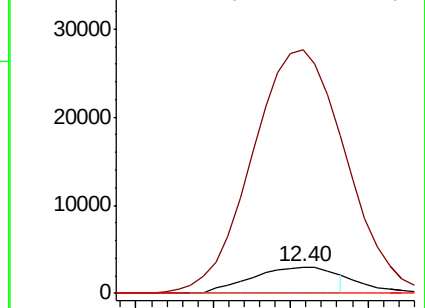
254 0.0 0.1 0.1#



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: VN052479.D

Acq: 27 Nov 2018 15:27

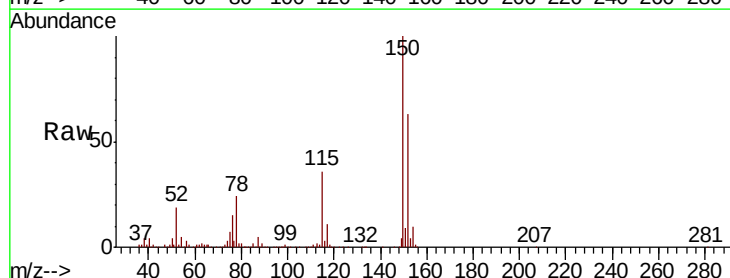
Tgt Ion:152 Resp: 626699

Ion Ratio Lower Upper

152 100

115 57.0 28.4 85.2

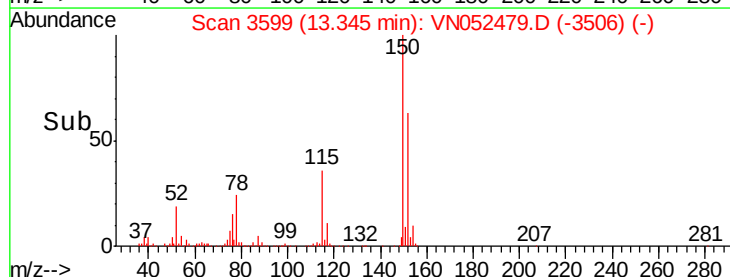
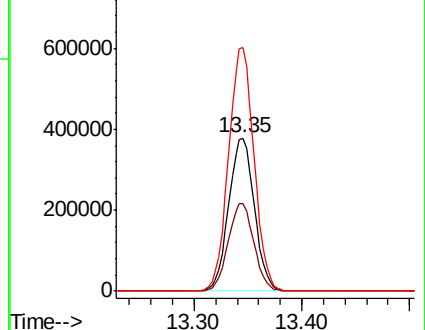
150 157.7 0.0 346.0

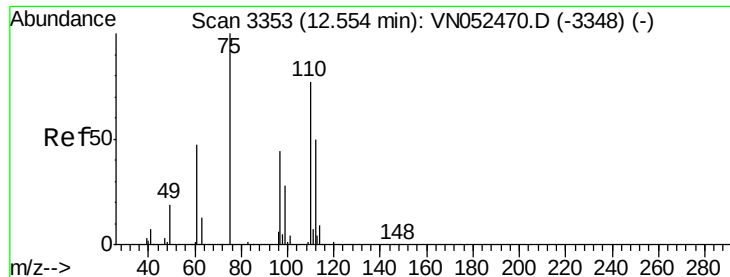


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.539 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052479.D

Acq: 27 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampleId :

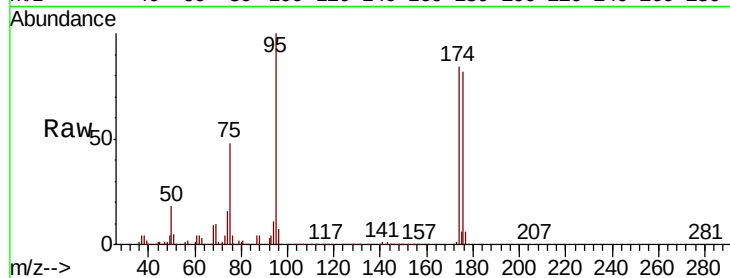
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 362779

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

250000

200000

150000

100000

50000

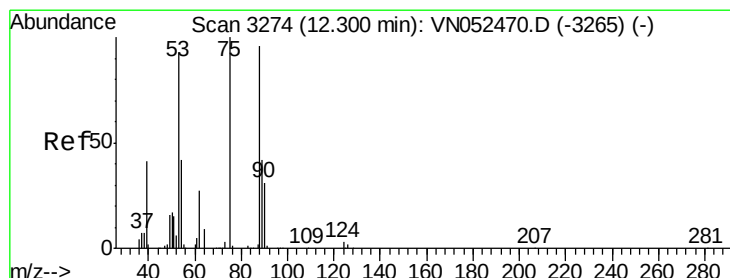
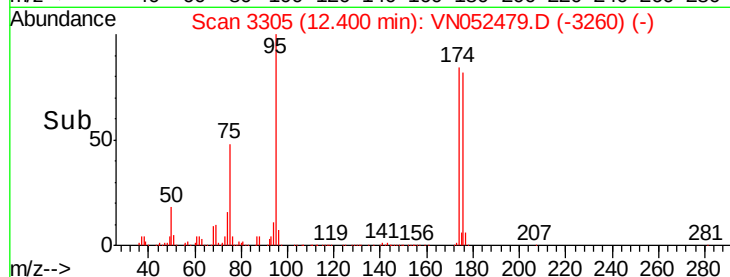
0

12.40

12.30

12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 125.363 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052479.D

Acq: 27 Nov 2018 15:27

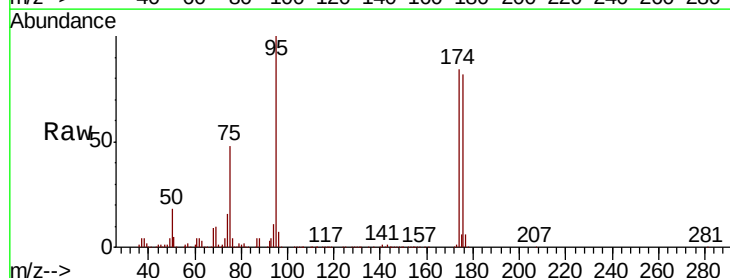
Tgt Ion: 75 Resp: 362779

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

250000

200000

150000

100000

50000

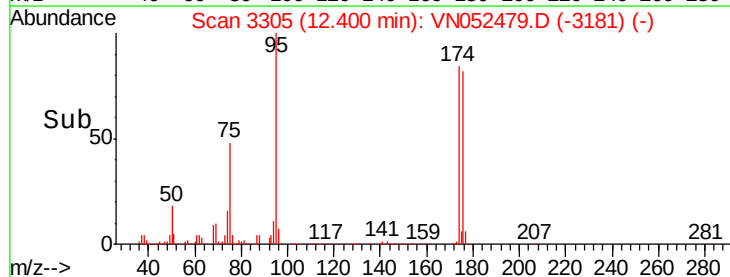
0

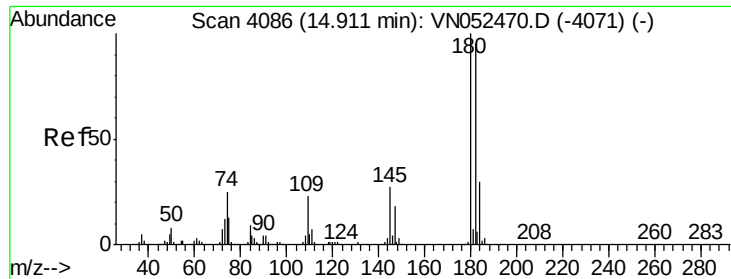
12.40

12.30

12.50

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 2.959 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN052479.D

Acq: 27 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

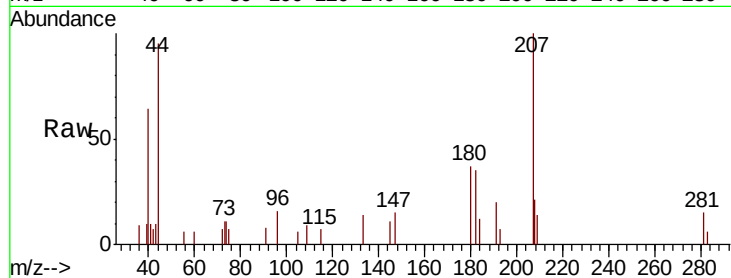
Tot Ion:180 Resp: 1530

Ion Ratio Lower Upper

180 100

182 110.5 47.8 143.4

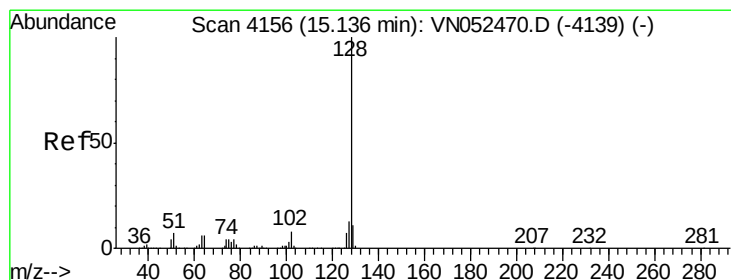
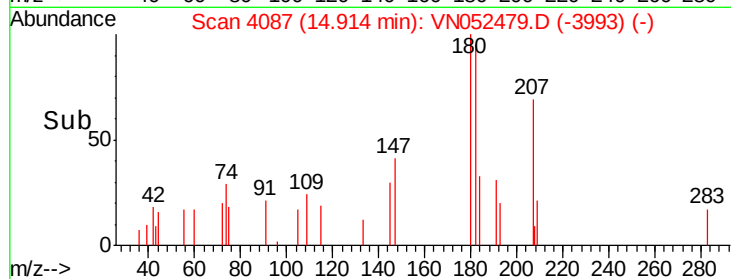
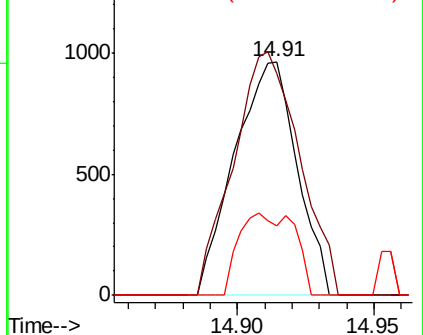
145 31.7 14.1 42.3



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



#95

Naphthalene

Concen: 3.590 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052479.D

Acq: 27 Nov 2018 15:27

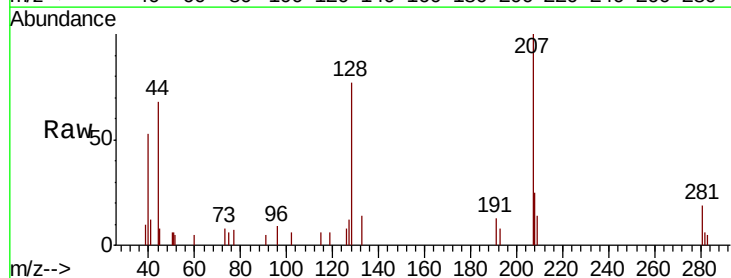
Tgt Ion:128 Resp: 4102

Ion Ratio Lower Upper

128 100

127 15.8 10.2 15.2#

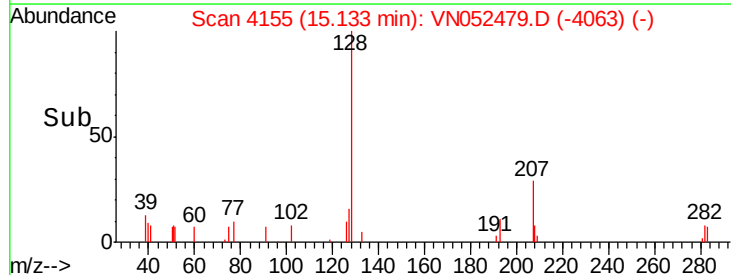
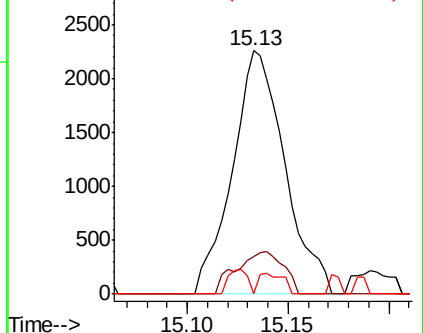
129 4.0 8.7 13.1#

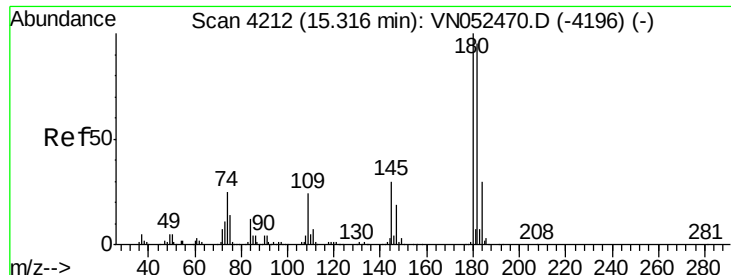


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

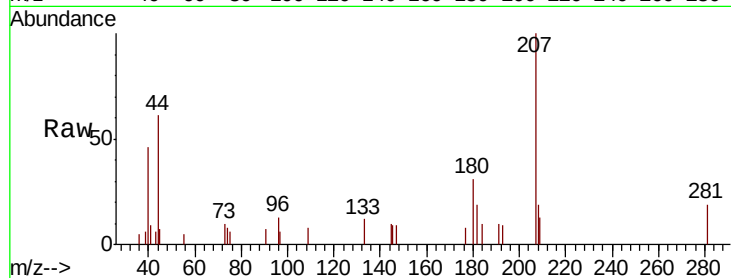




#96
 1,2,3-Trichlorobenzene
 Concen: 2.878 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052479.D
 Acq: 27 Nov 2018 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.1	47.8	143.3
145	50.1	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

