

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054308.D
 Acq On : 15 Mar 2019 14:35
 Operator : JC/SP
 Sample : K1903-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Mar 16 03:19:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1384948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2269701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2369320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	934773	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	712797	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
35) Dibromofluoromethane	7.59	113	691868	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
50) Toluene-d8	10.09	98	2784189	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.40	95	1048666	55.44	ug/l	0.00
Spiked Amount			Recovery	=	110.88%	

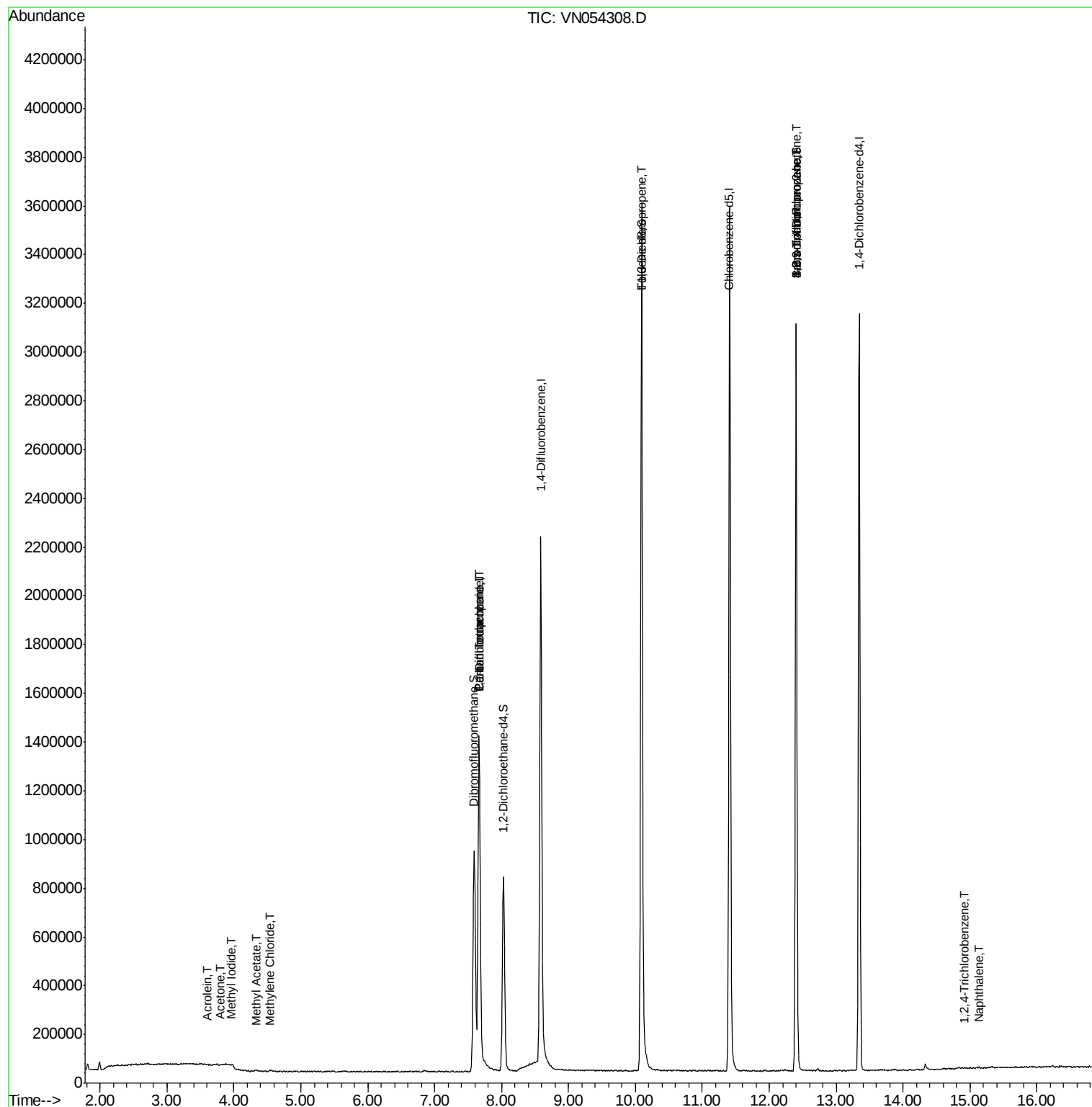
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.96	142	360	1.514	ug/l #	33
13) Acrolein	3.60	56	341	0.357	ug/l #	48
16) Acetone	3.79	43	1469	0.349	ug/l #	59
18) Methyl Acetate	4.32	43	1970	0.231	ug/l #	78
20) Methylene Chloride	4.54	84	3229	0.234	ug/l #	88
31) Cyclohexane	7.66	56	18135	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	78817	3.771	ug/l #	48
38) Carbon Tetrachloride	7.66	117	110278	5.031	ug/l #	16
53) t-1,3-Dichloropropene	10.09	75	368	2.001	ug/l #	1
71) Bromoform	12.40	173	5593	2.721	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	493996	35.937	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	493996	122.848	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	619	2.546	ug/l	89
95) Naphthalene	15.14	128	4841	3.580	ug/l #	88

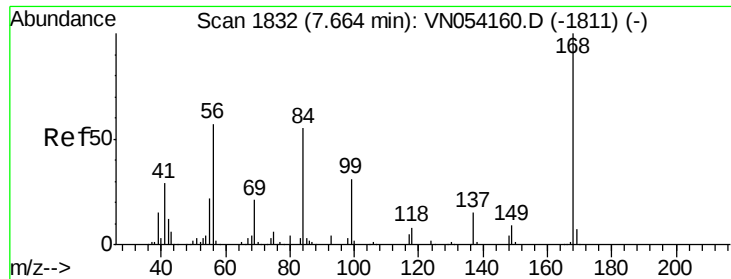
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Mar 16 03:19:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
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: VN054308.D

Acq: 15 Mar 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

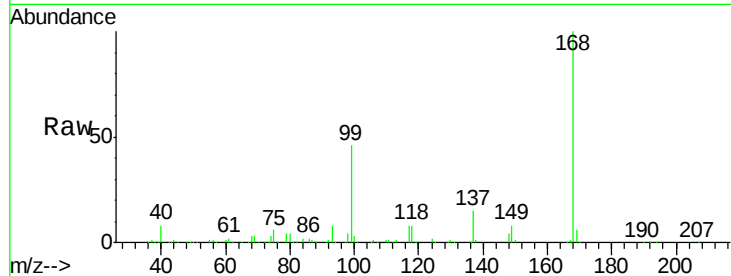
TRIP-BLANK

Tot Ion:168 Resp: 1384948

Ion Ratio Lower Upper

168 100

99 46.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

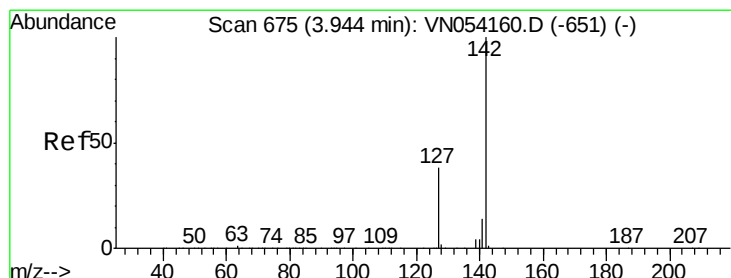
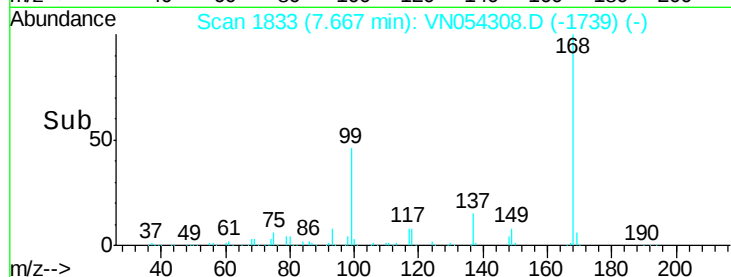
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.514 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.01 min

Lab File: VN054308.D

Acq: 15 Mar 2019 14:35

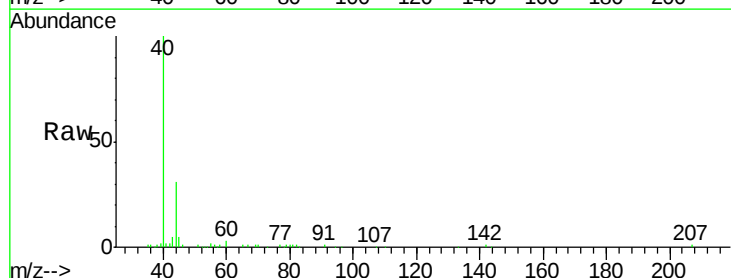
Tgt Ion:142 Resp: 360

Ion Ratio Lower Upper

142 100

127 90.6 30.3 45.5#

141 9.2 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.96

400

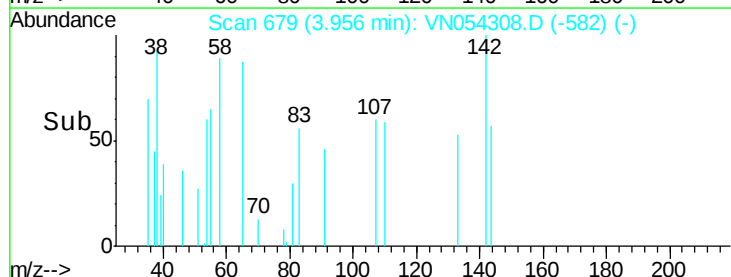
300

200

100

0

Time-->





#13

Acrolein

Concen: 0.357 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054308.D

Acq: 15 Mar 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

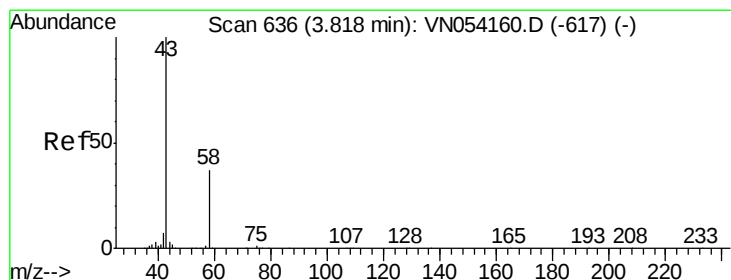
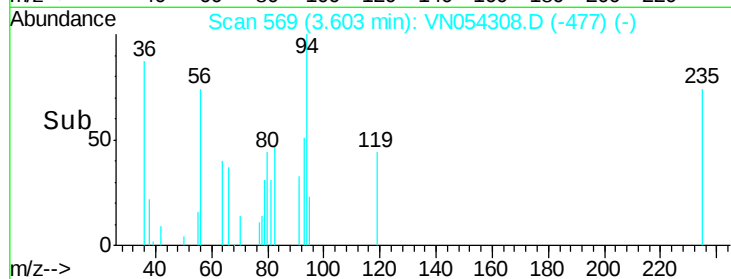
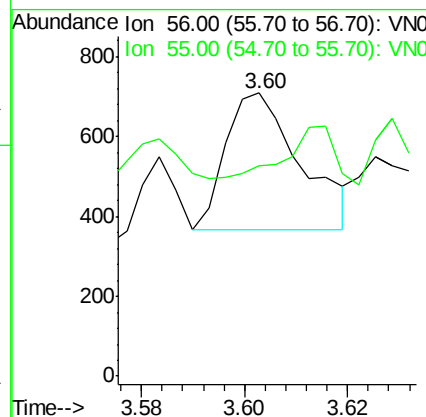
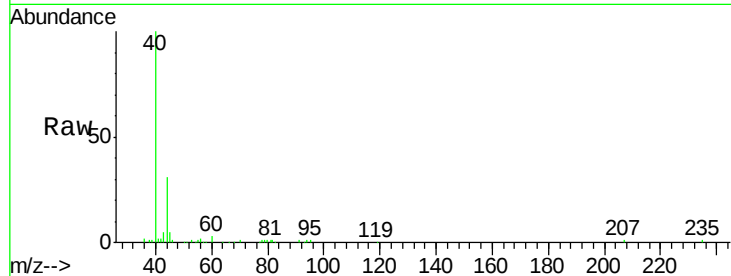
TRIP-BLANK

Tot Ion: 56 Resp: 341

Ion Ratio Lower Upper

56 100

55 27.6 56.7 85.1#



#16

Acetone

Concen: 0.349 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.03 min

Lab File: VN054308.D

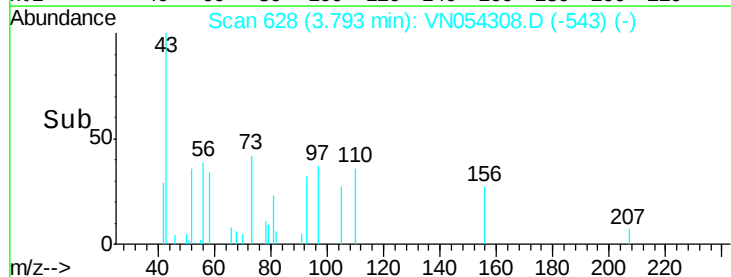
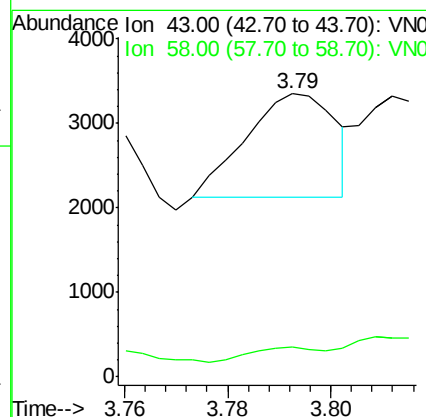
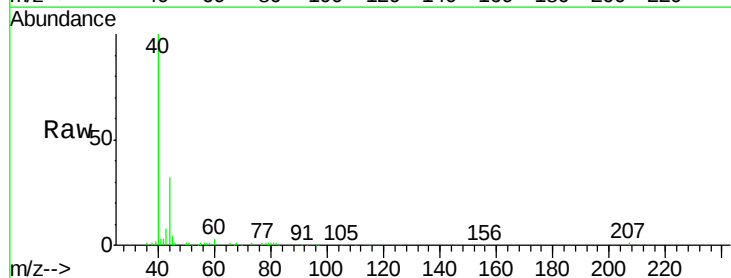
Acq: 15 Mar 2019 14:35

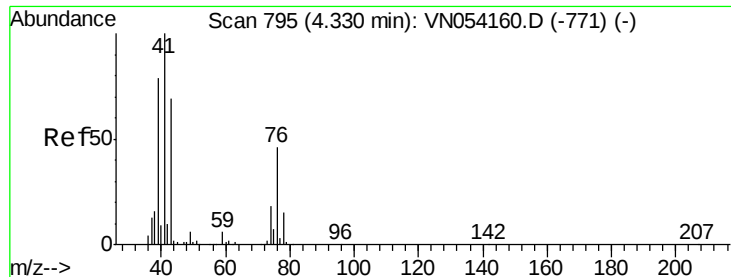
Tgt Ion: 43 Resp: 1469

Ion Ratio Lower Upper

43 100

58 12.9 29.9 44.9#

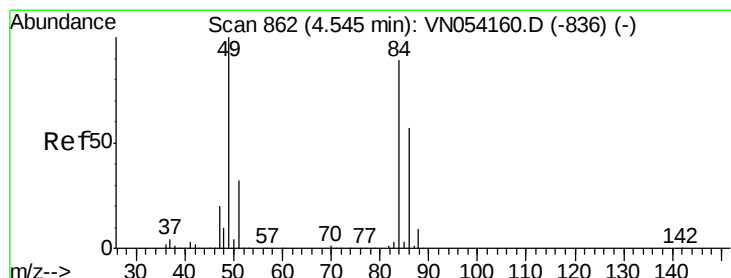
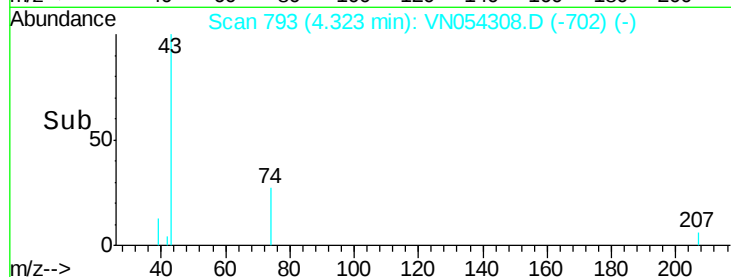
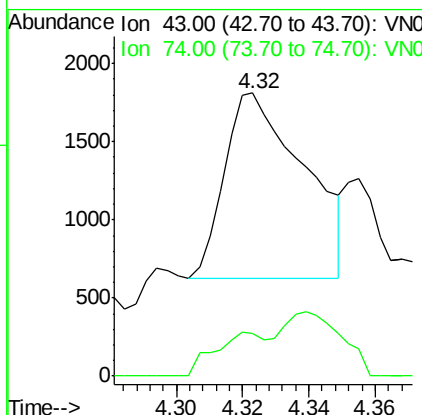
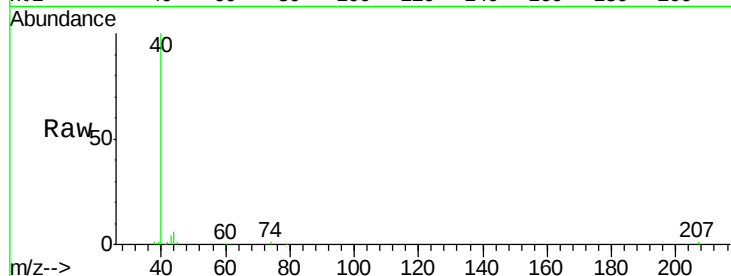




#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN054308.D
Acq: 15 Mar 2019 14:35

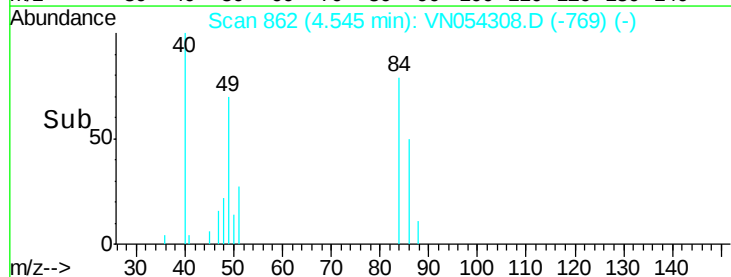
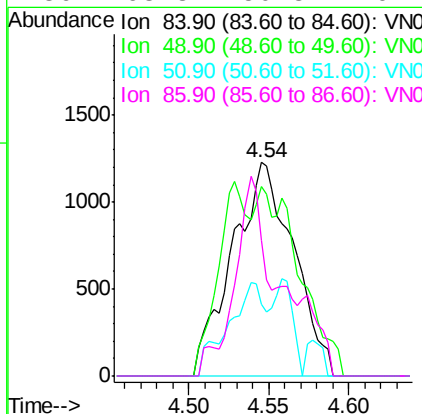
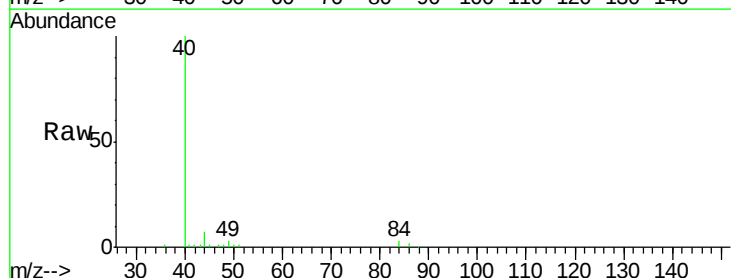
Instrument :
MSVOA_N
ClientSampled :
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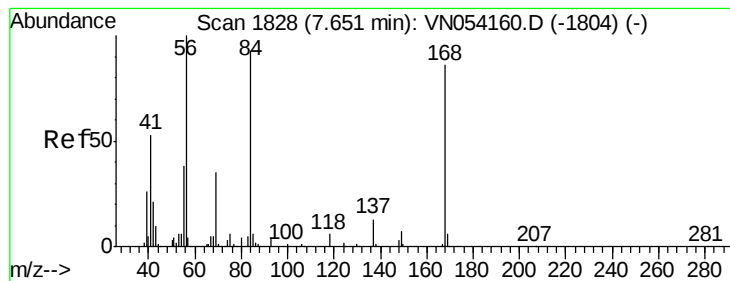
Tot Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
74 14.6 20.8 31.2#



#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054308.D
Acq: 15 Mar 2019 14:35

Tgt Ion: 84 Resp: 3229
Ion Ratio Lower Upper
84 100
49 88.9 89.7 134.5#
51 33.6 28.2 42.4
86 63.3 50.8 76.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054308.D

Acq: 15 Mar 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

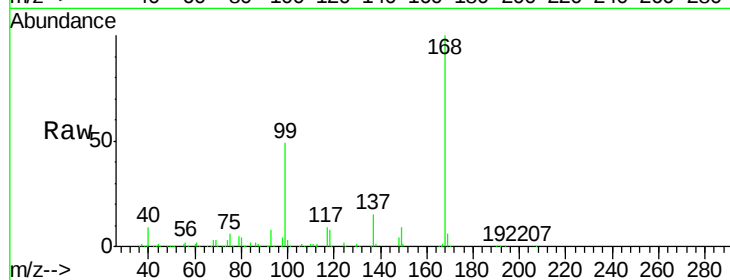
Tot Ion: 56 Resp: 18135

Ion Ratio Lower Upper

56 100

69 186.7 27.8 41.6#

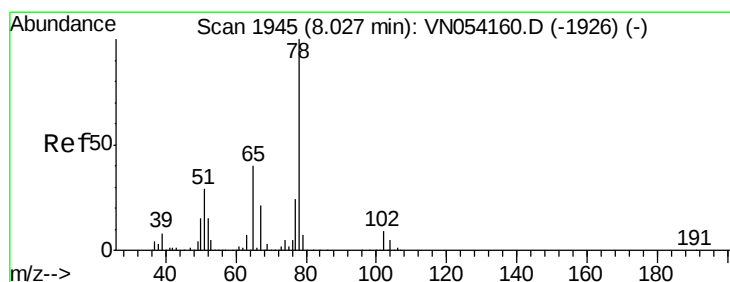
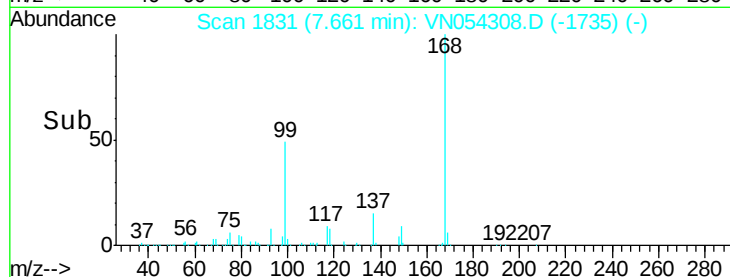
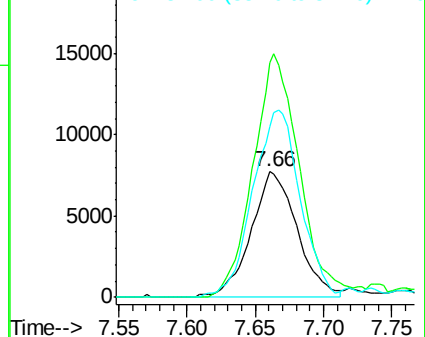
84 136.5 74.6 111.8#



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: 48.463 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054308.D

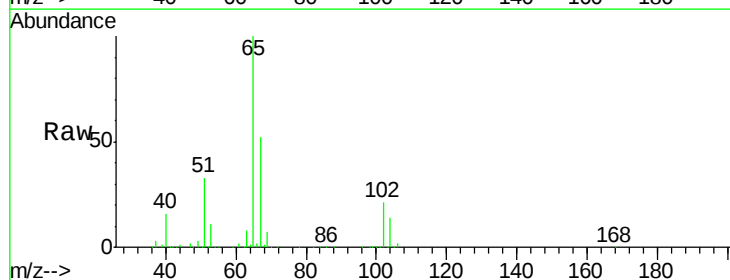
Acq: 15 Mar 2019 14:35

Tgt Ion: 65 Resp: 712797

Ion Ratio Lower Upper

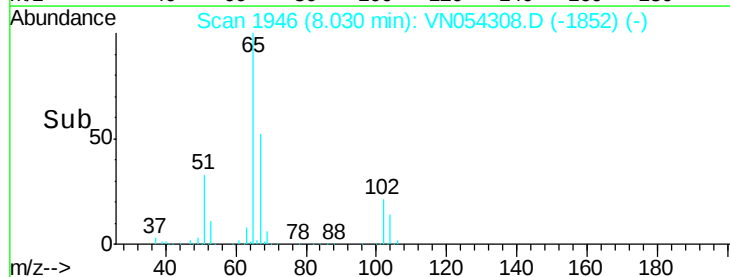
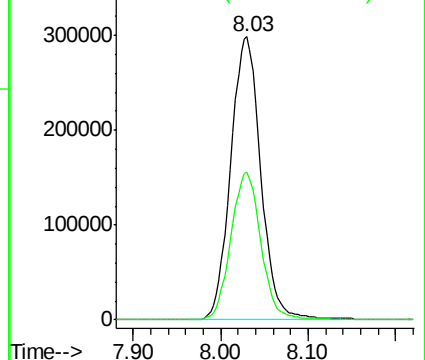
65 100

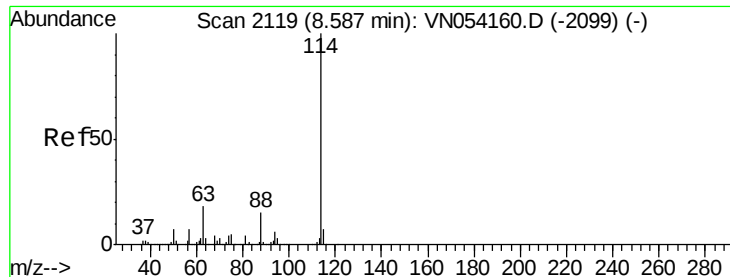
67 52.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

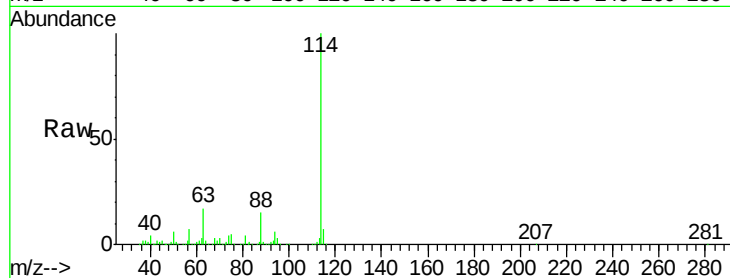




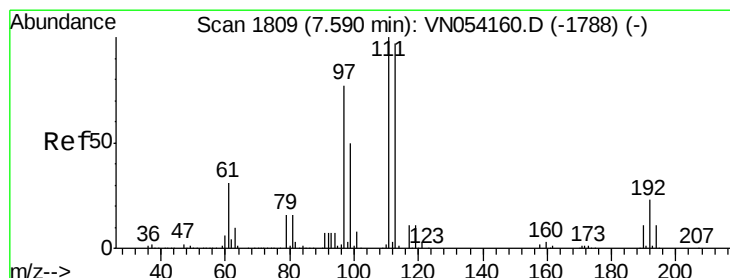
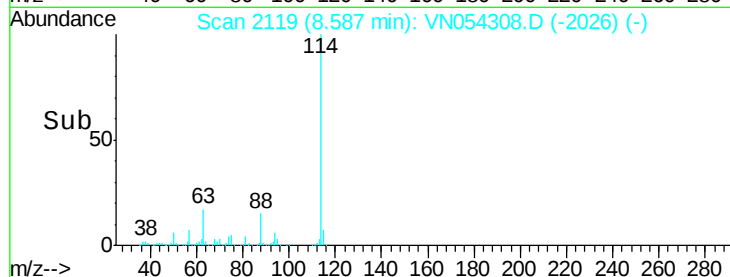
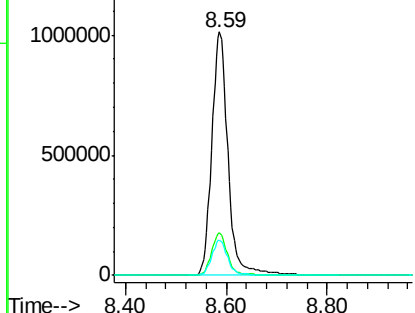
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054308.D
 Acq: 15 Mar 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:114 Resp: 2269701
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.2
 88 14.6 0.0 30.2

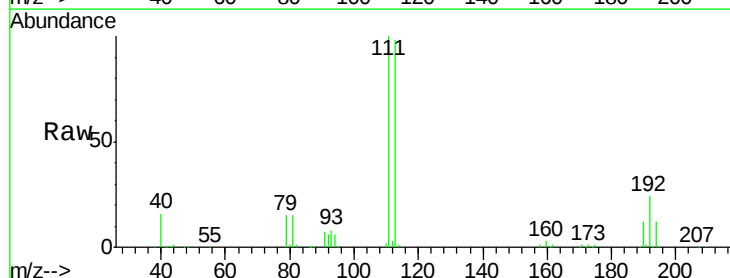


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

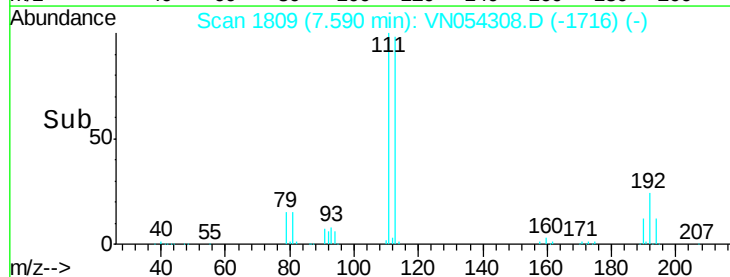
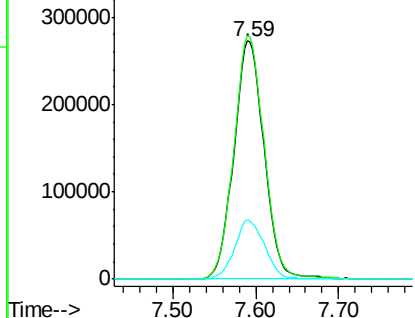


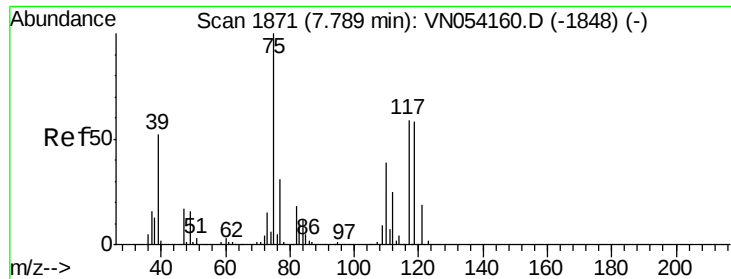
#35
 Dibromofluoromethane
 Concen: 47.263 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054308.D
 Acq: 15 Mar 2019 14:35

Tgt Ion:113 Resp: 691868
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 24.7 19.2 28.8



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

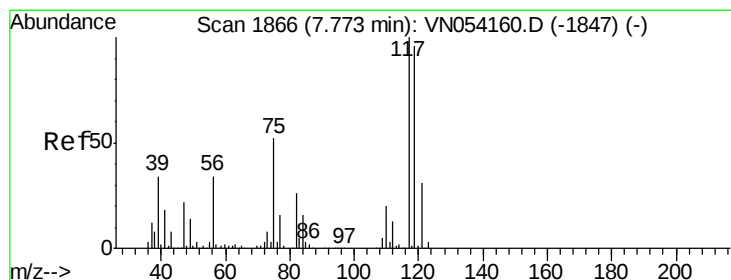
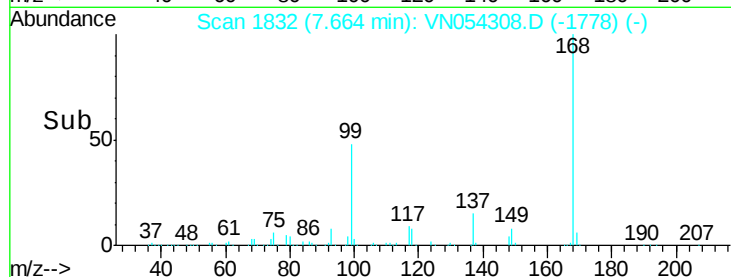
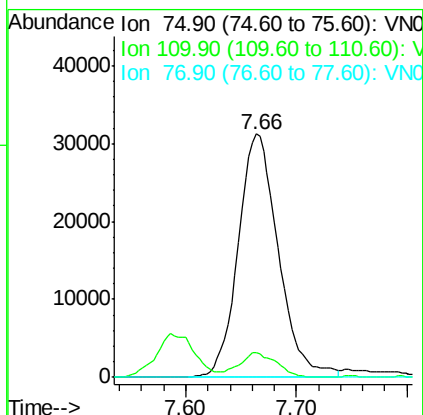
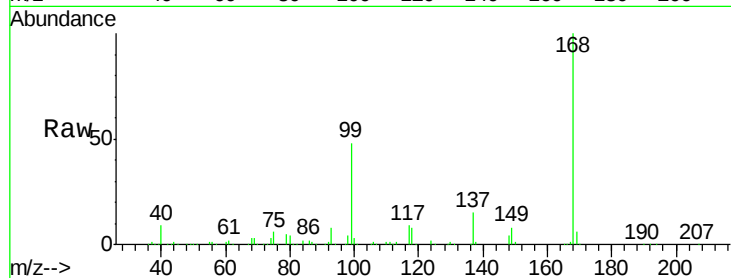




#36
 1,1-Dichloropropene
 Concen: 3.771 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054308.D
 Acq: 15 Mar 2019 14:35

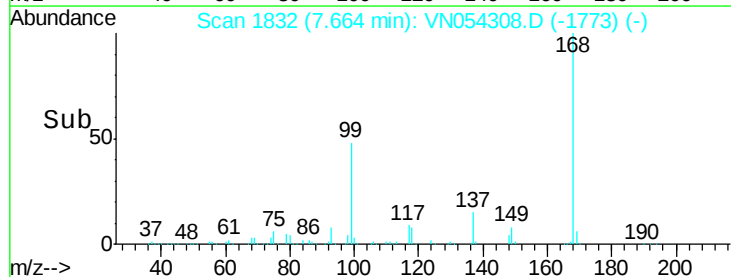
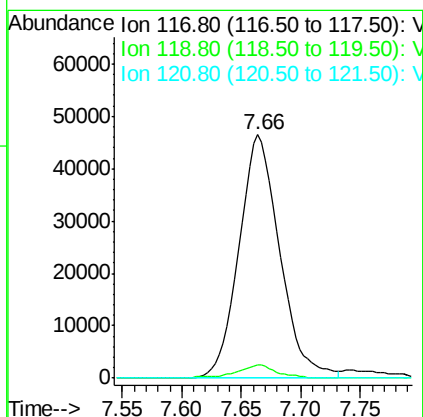
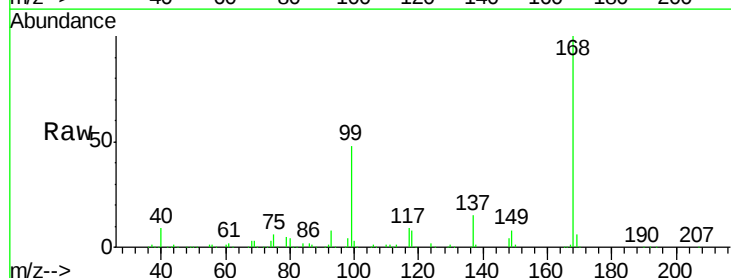
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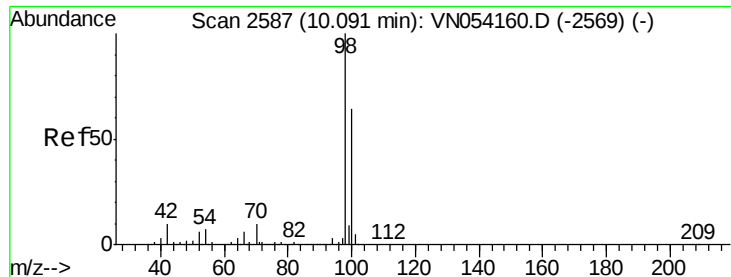
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.031 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054308.D
 Acq: 15 Mar 2019 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.3	114.5#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 51.499 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054308.D

Acq: 15 Mar 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

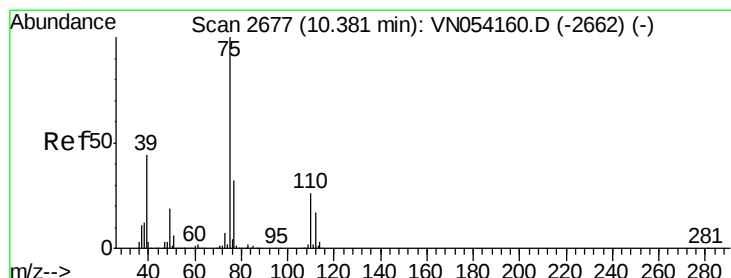
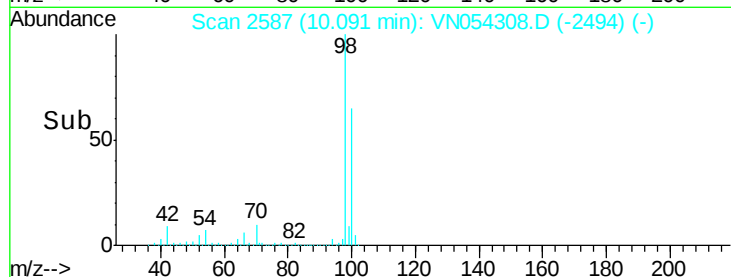
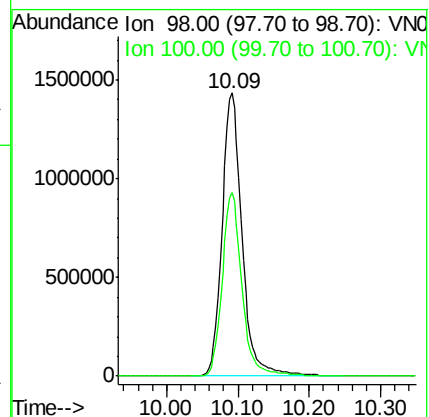
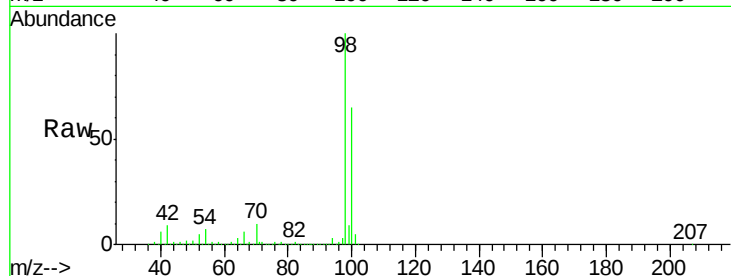
TRIP-BLANK

Tot Ion: 98 Resp: 2784189

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 2.001 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.29 min

Lab File: VN054308.D

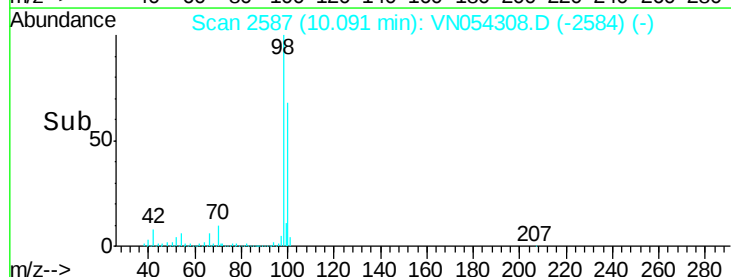
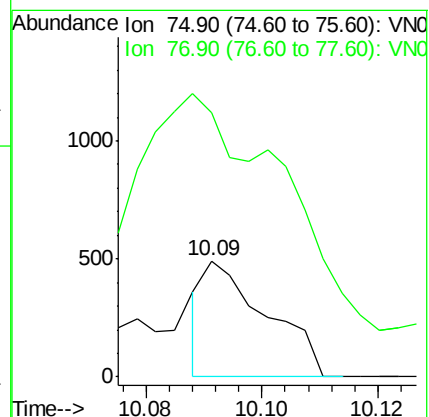
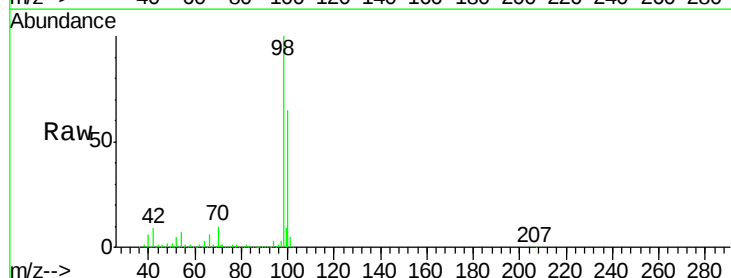
Acq: 15 Mar 2019 14:35

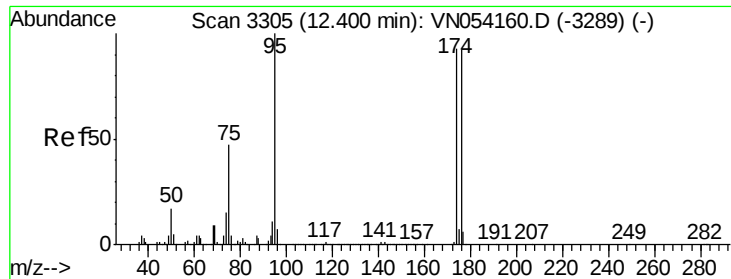
Tgt Ion: 75 Resp: 368

Ion Ratio Lower Upper

75 100

77 155.1 25.8 38.8#

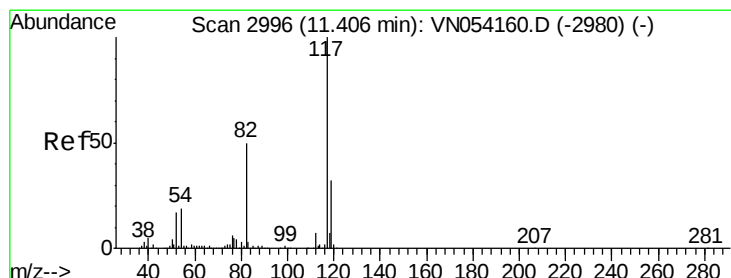
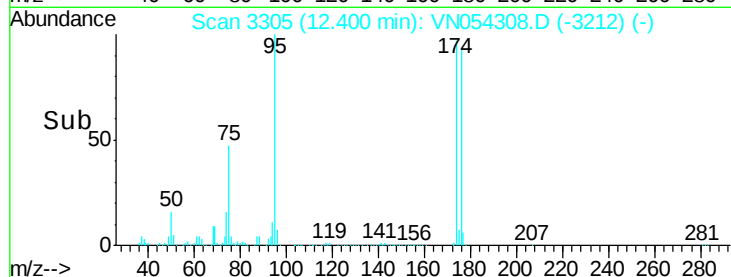
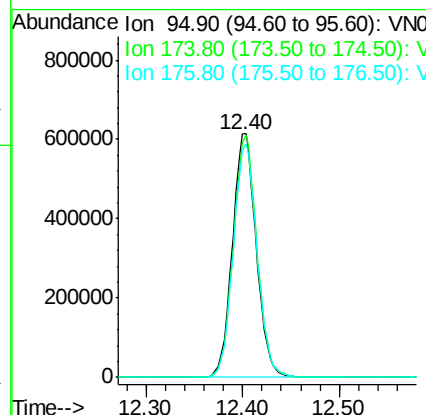
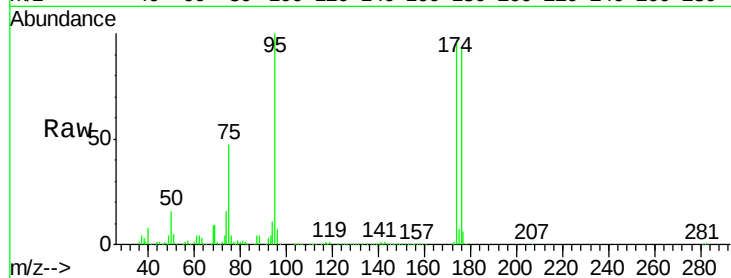




#62
4-Bromofluorobenzene
Concen: 55.436 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054308.D
Acq: 15 Mar 2019 14:35

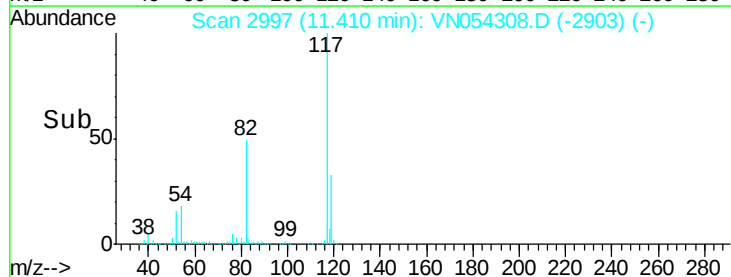
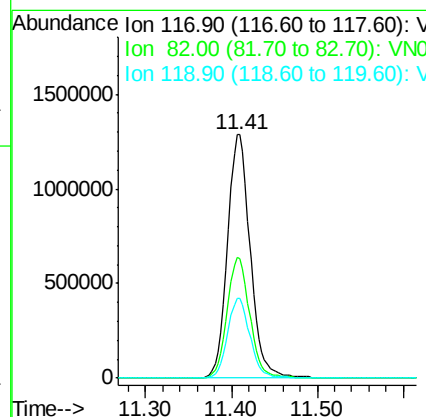
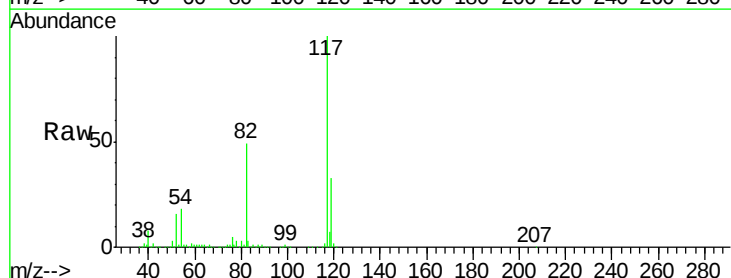
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

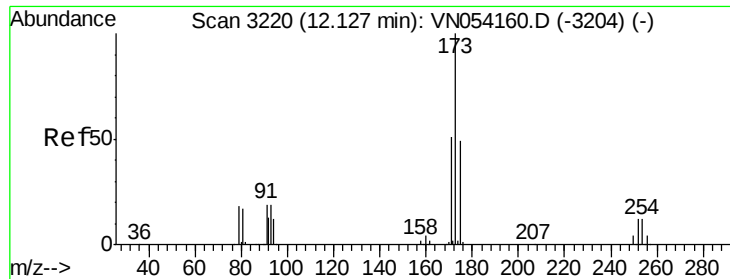
Tot Ion: 95 Resp: 1048666
Ion Ratio Lower Upper
95 100
174 98.8 0.0 191.0
176 95.8 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054308.D
Acq: 15 Mar 2019 14:35

Tgt Ion: 117 Resp: 2369320
Ion Ratio Lower Upper
117 100
82 48.8 40.0 60.0
119 32.6 25.8 38.6

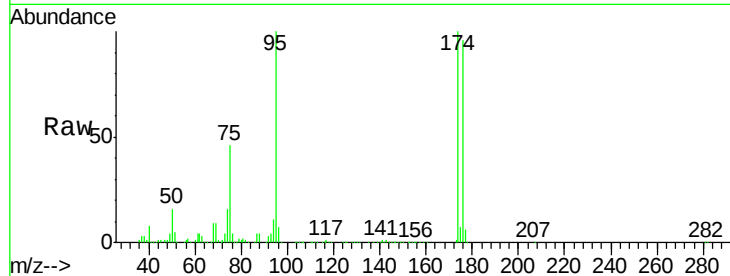




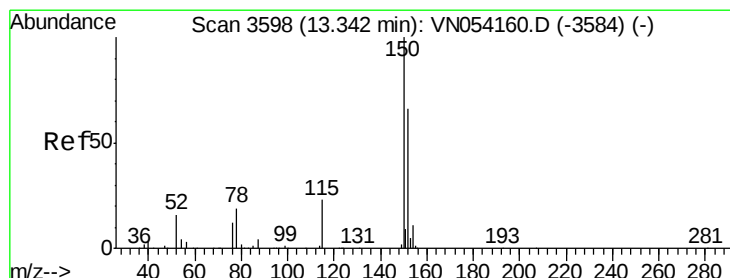
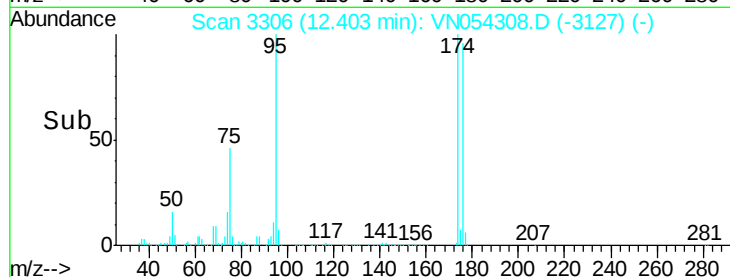
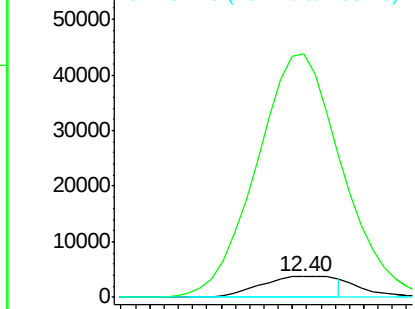
#71
Bromoform
Concen: 2.721 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054308.D
Acq: 15 Mar 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:173 Resp: 5593
Ion Ratio Lower Upper
173 100
175 1116.2 24.4 73.2#
254 0.0 0.1 0.1#

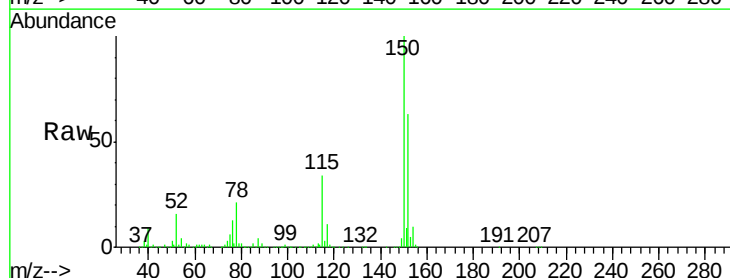


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

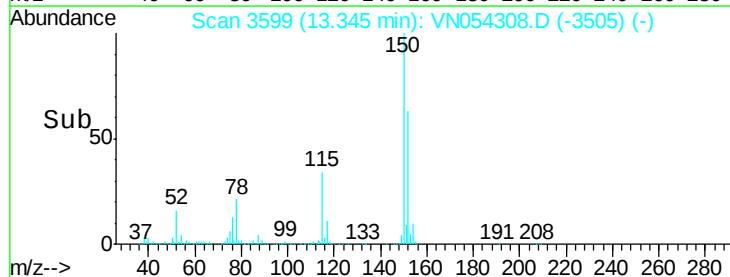
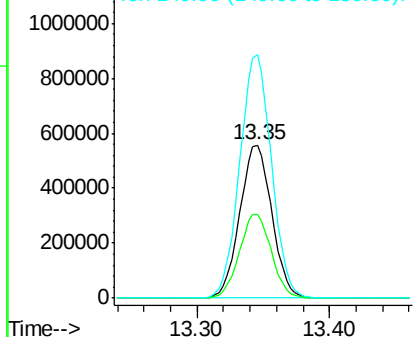


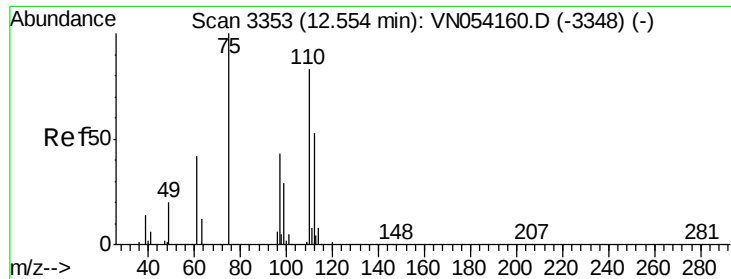
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054308.D
Acq: 15 Mar 2019 14:35

Tgt Ion:152 Resp: 934773
Ion Ratio Lower Upper
152 100
115 54.5 27.2 81.6
150 157.9 0.0 349.2



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: 35.937 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054308.D

Acq: 15 Mar 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

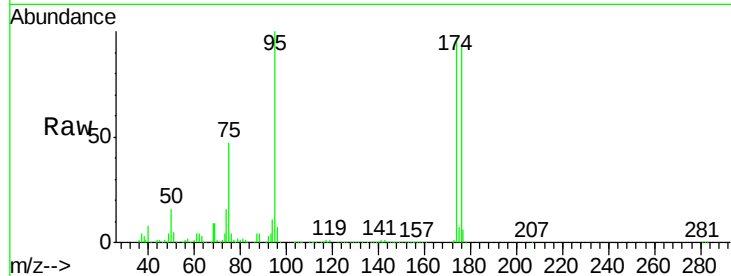
TRIP-BLANK

Tot Ion: 75 Resp: 493996

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

12.40

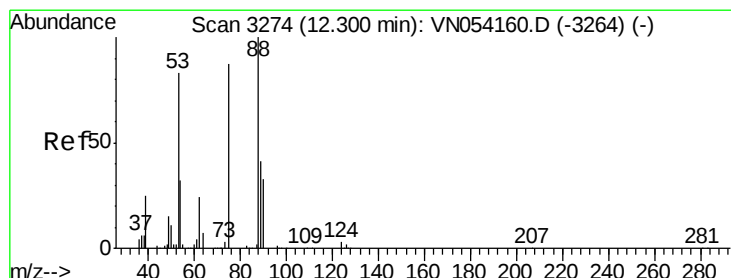
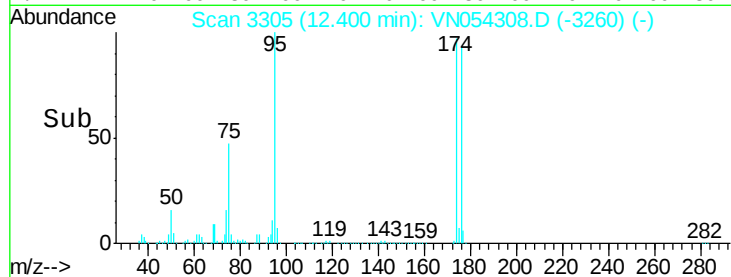
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 122.848 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054308.D

Acq: 15 Mar 2019 14:35

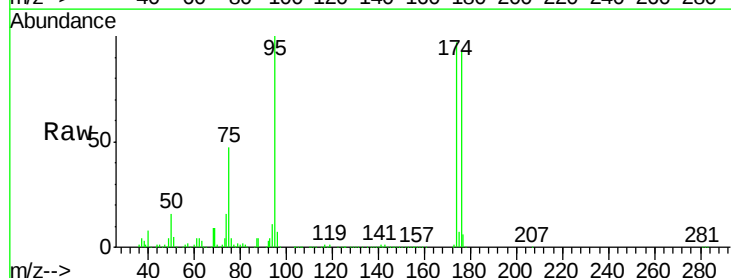
Tgt Ion: 75 Resp: 493996

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



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

12.40

400000

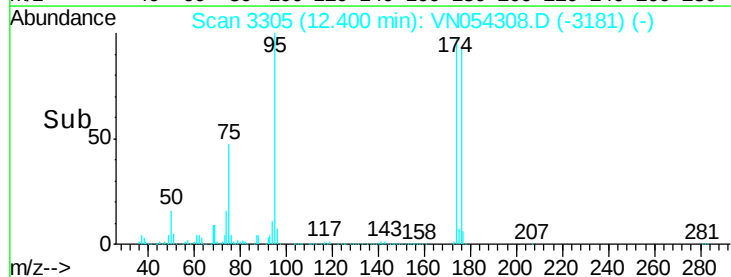
300000

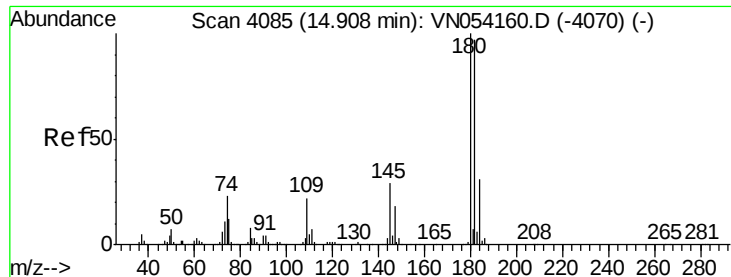
200000

100000

0

Time--> 12.30 12.40 12.50





#93

1,2,4-Trichlorobenzene

Concen: 2.546 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054308.D

Acq: 15 Mar 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

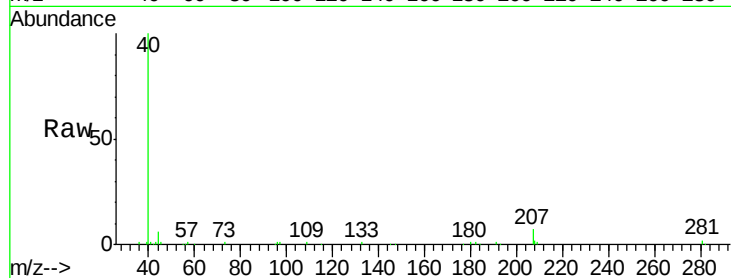
Tot Ion:180 Resp: 619

Ion Ratio Lower Upper

180 100

182 107.8 48.0 144.2

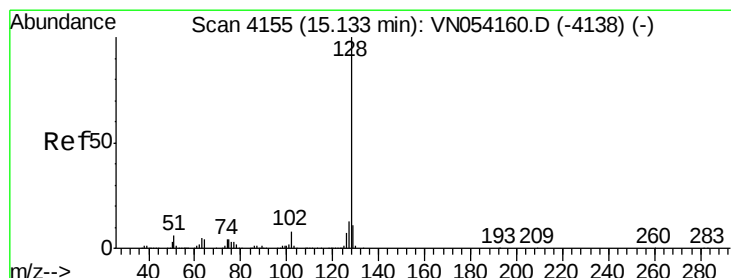
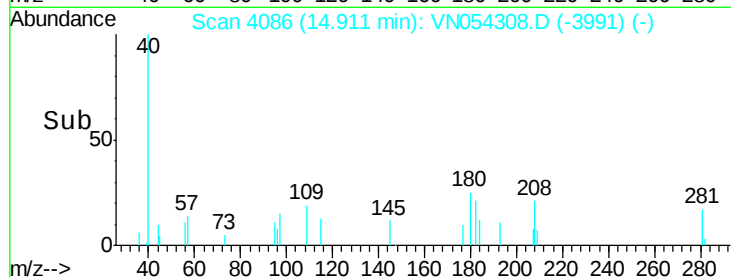
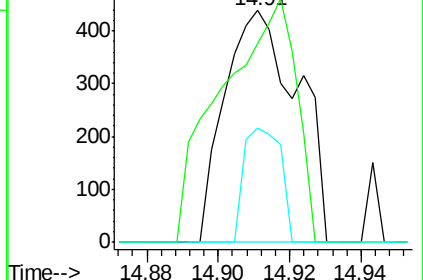
145 24.9 14.2 42.8



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: 3.580 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054308.D

Acq: 15 Mar 2019 14:35

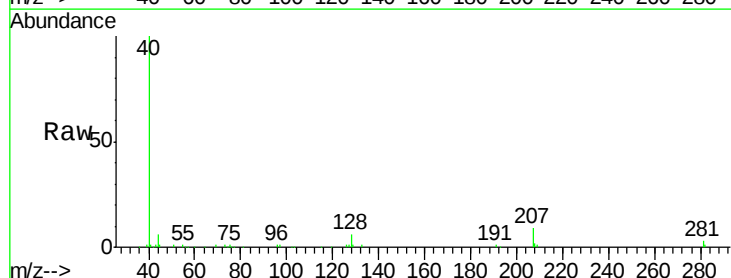
Tgt Ion:128 Resp: 4841

Ion Ratio Lower Upper

128 100

127 15.1 10.1 15.1

129 17.6 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

