

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063053.D
 Acq On : 20 Aug 2020 23:15
 Operator : JC/MD
 Sample : L3722-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-01RE

Quant Time: Aug 21 06:39:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	146419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	244996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	246602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	97410	56.13	ug/l	0.00
Spiked Amount			Recovery	=	112.26%	
35) Dibromofluoromethane	7.55	113	83085	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
50) Toluene-d8	10.06	98	313036	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.38	95	103197	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	

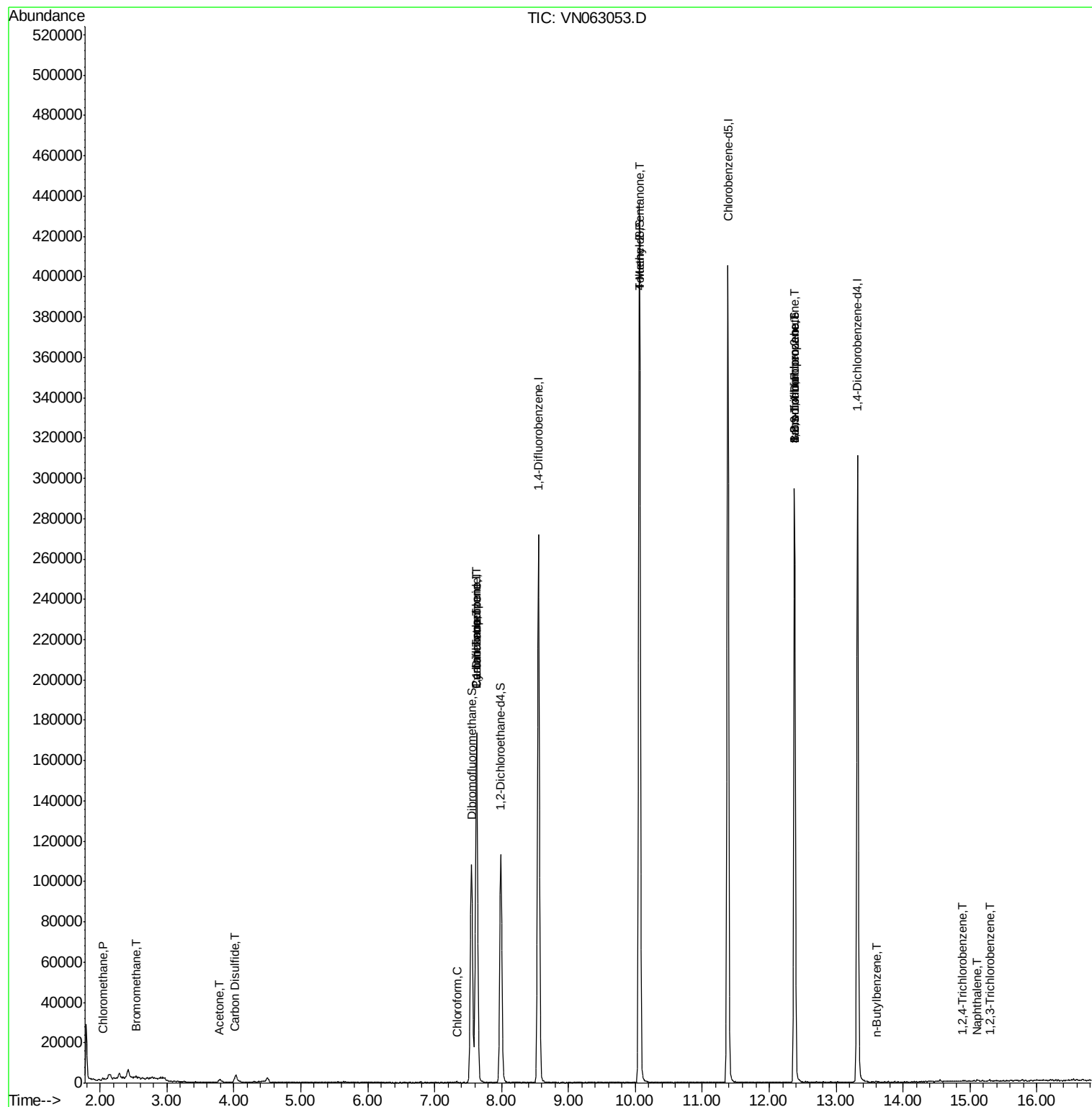
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	823	0.410	ug/l	99
5) Bromomethane	2.55	94	234	0.203	ug/l #	2
16) Acetone	3.79	43	3363	2.329	ug/l	99
17) Carbon Disulfide	4.01	76	2130	0.654	ug/l #	76
20) Methylene Chloride	4.50	84	1350	Below Cal	#	77
30) Chloroform	7.33	83	647	0.231	ug/l #	79
31) Cyclohexane	7.63	56	2805	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10945	5.069	ug/l #	48
38) Carbon Tetrachloride	7.63	117	12859	5.899	ug/l #	18
51) 4-Methyl-2-Pentanone	10.06	43	1198	0.566	ug/l #	1
71) Bromoform	12.38	173	892	0.582	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	49922	28.518	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49922	78.324	ug/l #	15
89) n-Butylbenzene	13.60	91	373	2.842	ug/l #	34
93) 1,2,4-Trichlorobenzene	14.89	180	225	4.676	ug/l #	70
95) Naphthalene	15.11	128	953	5.878	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	352	4.177	ug/l #	67

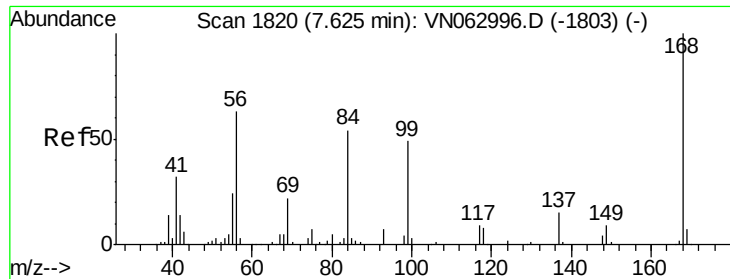
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082020\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063053.D

Acq: 20 Aug 2020 23:15

Instrument :

MSVOA_N

ClientSampleId :

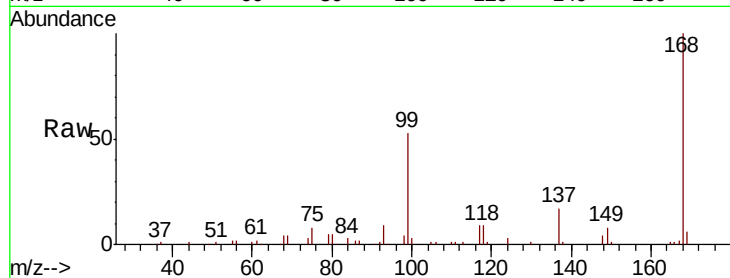
GW-01RE

Tot Ion:168 Resp: 146419

Ion Ratio Lower Upper

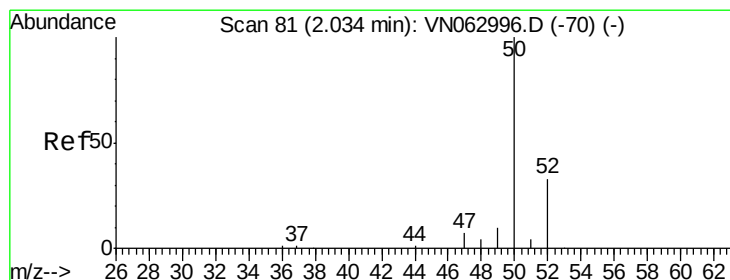
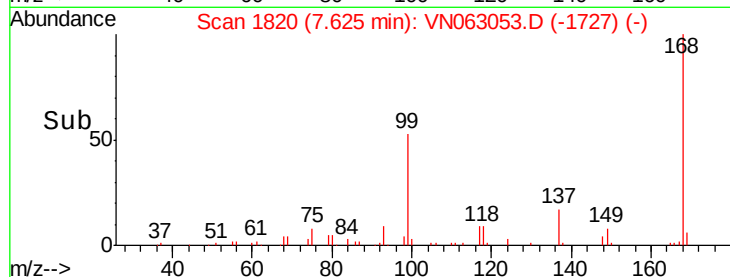
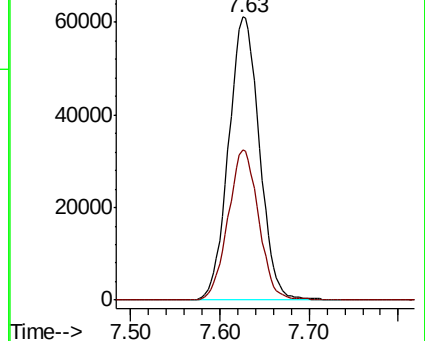
168 100

99 53.3 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.410 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063053.D

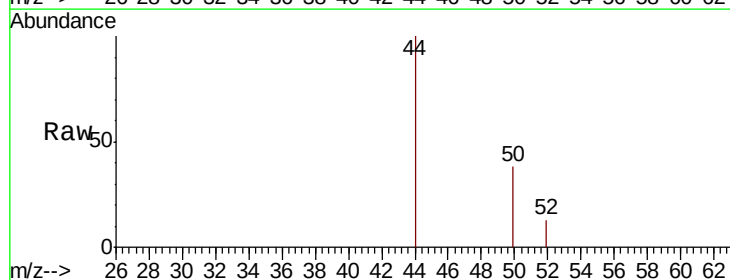
Acq: 20 Aug 2020 23:15

Tgt Ion: 50 Resp: 823

Ion Ratio Lower Upper

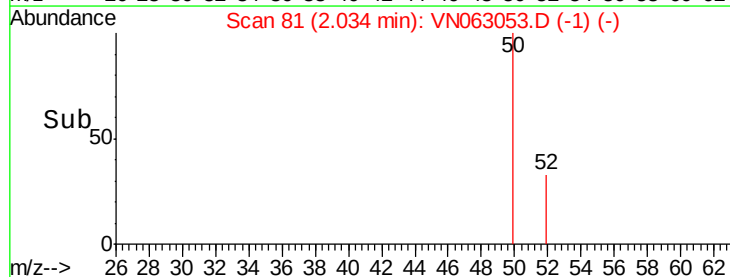
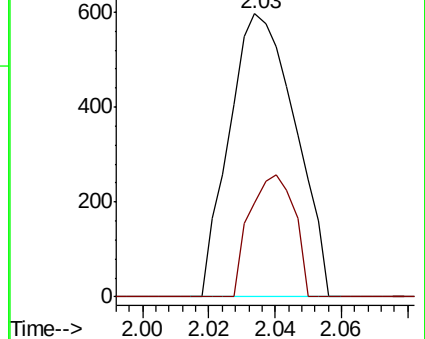
50 100

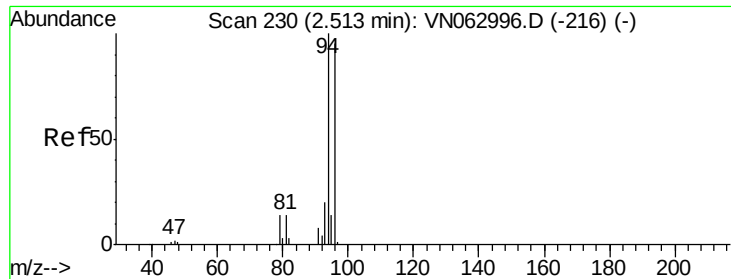
52 33.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Bromomethane

Concen: 0.203 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.04 min

Lab File: VN063053.D

Acq: 20 Aug 2020 23:15

Instrument :

MSVOA_N

ClientSampleId :

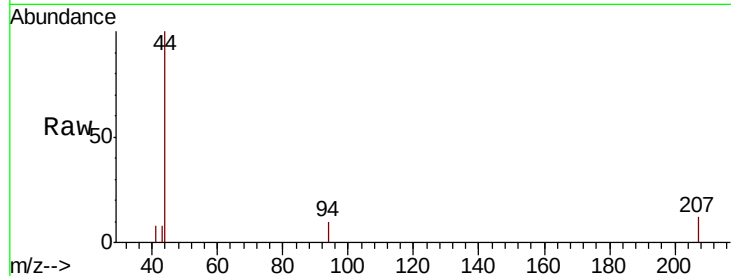
GW-01RE

Tot Ion: 94 Resp: 234

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

200

150

100

50

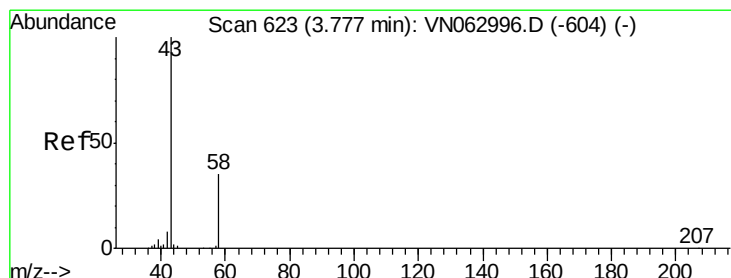
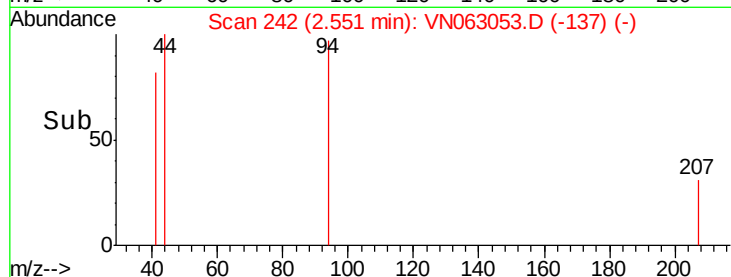
0

2.52

2.54

2.56

Time-->



#16

Acetone

Concen: 2.329 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN063053.D

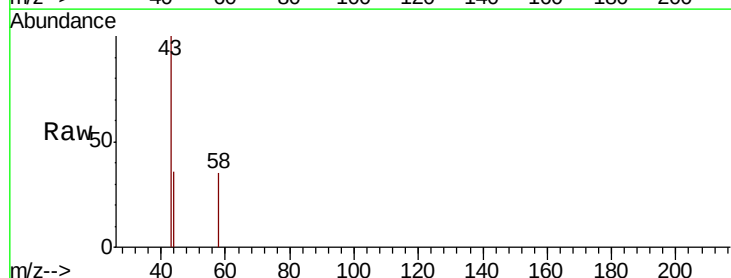
Acq: 20 Aug 2020 23:15

Tgt Ion: 43 Resp: 3363

Ion Ratio Lower Upper

43 100

58 35.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

1200

1000

800

600

400

200

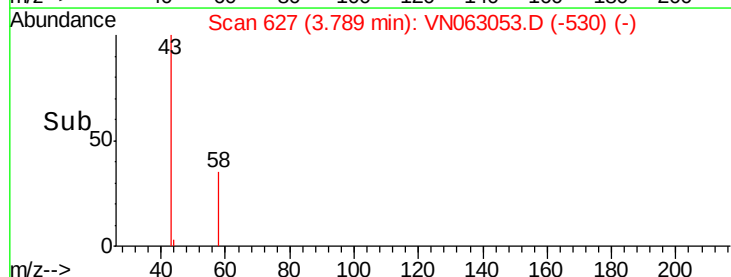
0

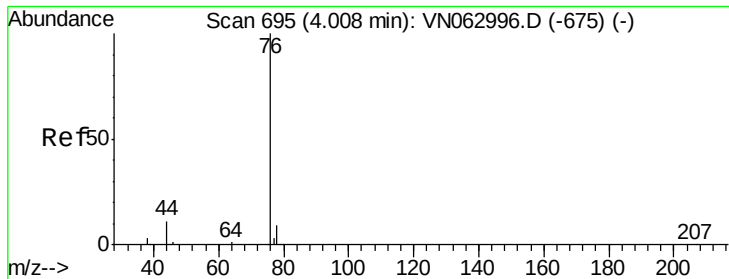
3.75

3.80

3.85

Time-->





#17

Carbon Disulfide

Concen: 0.654 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN063053.D

Acq: 20 Aug 2020 23:15

Instrument :

MSVOA_N

ClientSampleId :

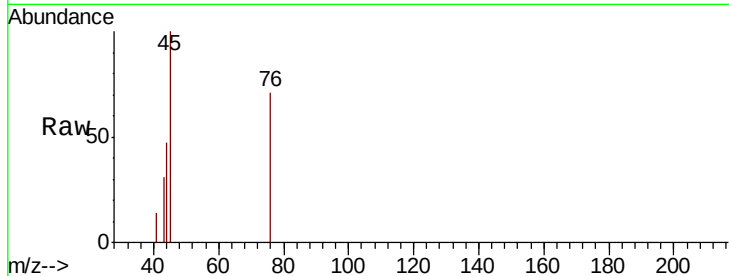
GW-01RE

Tot Ion: 76 Resp: 2130

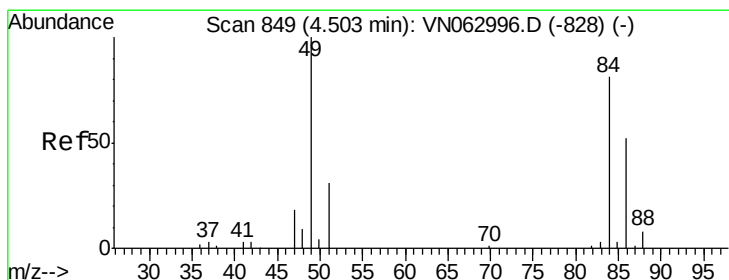
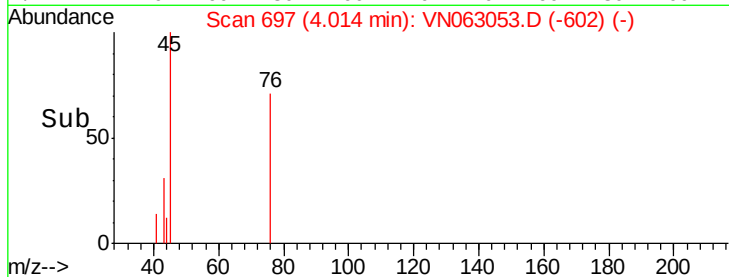
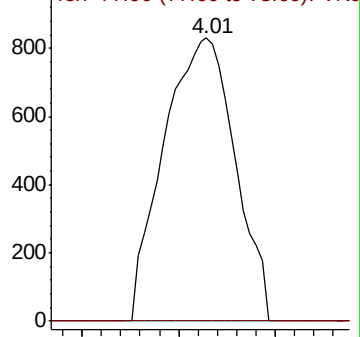
Ion Ratio Lower Upper

76 100

78 0.0 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VN062996.D (-675) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN063053.D

Acq: 20 Aug 2020 23:15

Tgt Ion: 84 Resp: 1350

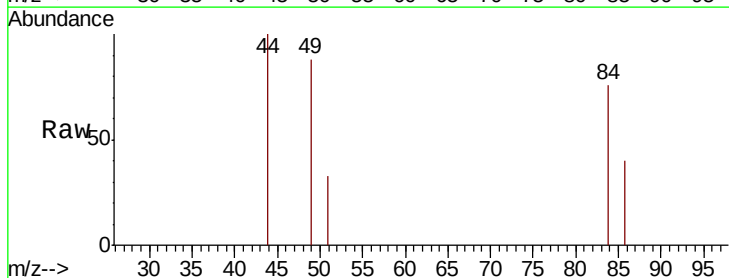
Ion Ratio Lower Upper

84 100

49 86.5 98.7 148.1#

51 43.1 30.8 46.2

86 53.4 51.2 76.8

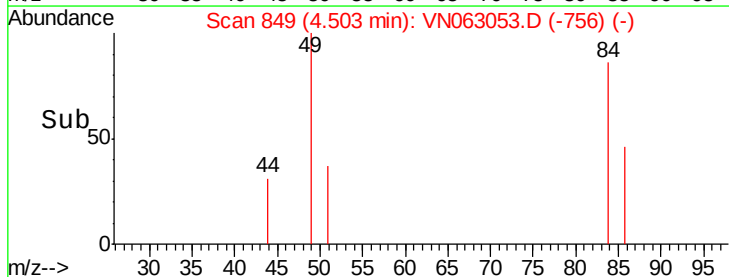
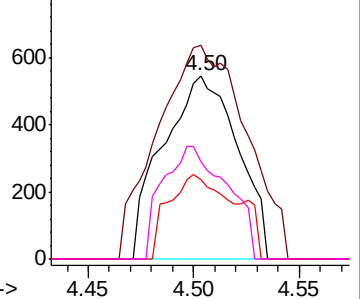


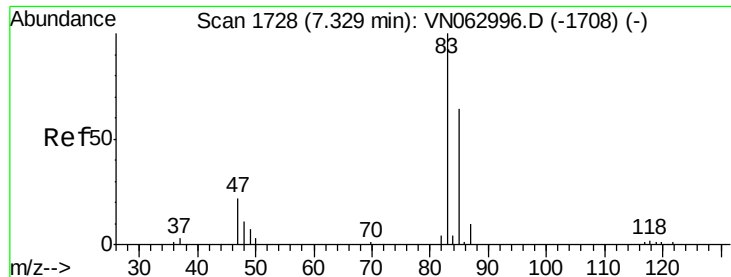
Abundance Ion 83.90 (83.60 to 84.60): VN062996.D (-828) (-)

Ion 48.90 (48.60 to 49.60): VN062996.D (-828) (-)

Ion 50.90 (50.60 to 51.60): VN062996.D (-828) (-)

Ion 85.90 (85.60 to 86.60): VN062996.D (-828) (-)

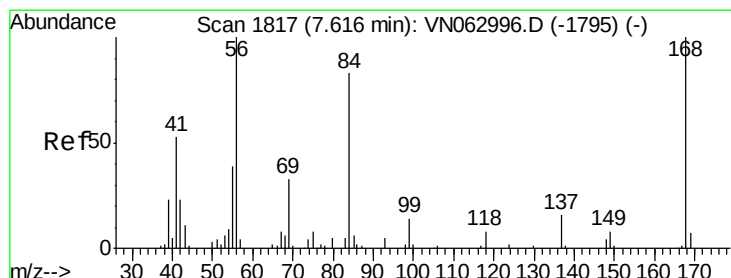
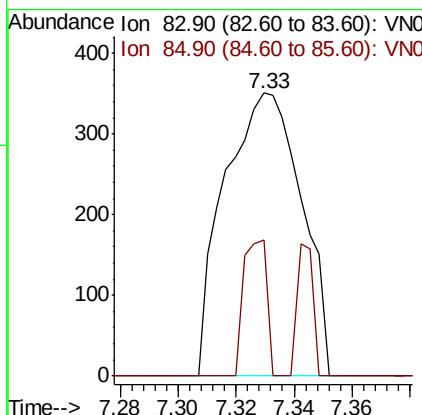
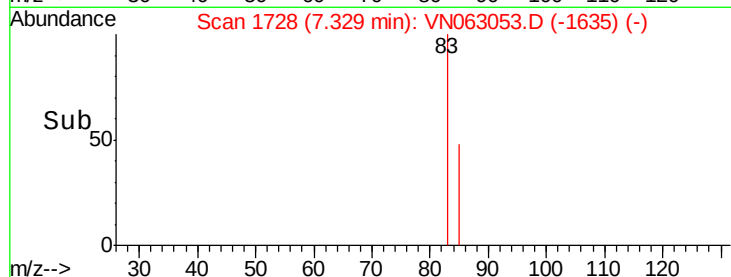
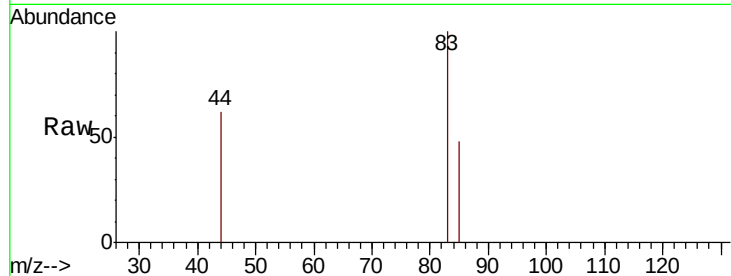




#30
Chloroform
Concen: 0.231 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN063053.D
Acq: 20 Aug 2020 23:15

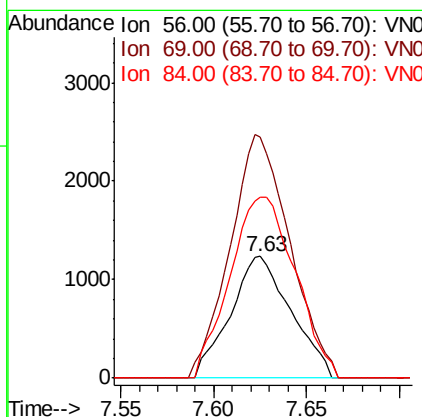
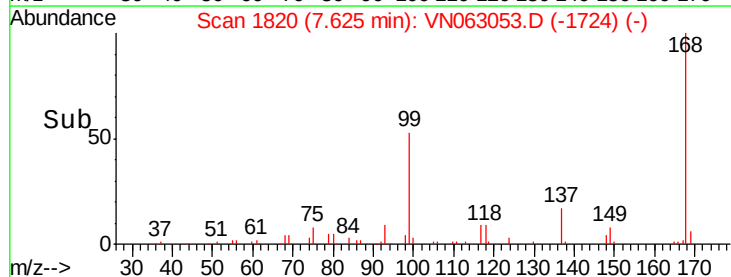
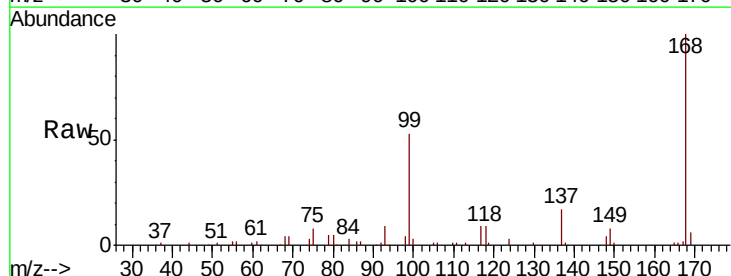
Instrument :
MSVOA_N
ClientSampleId :
GW-01RE

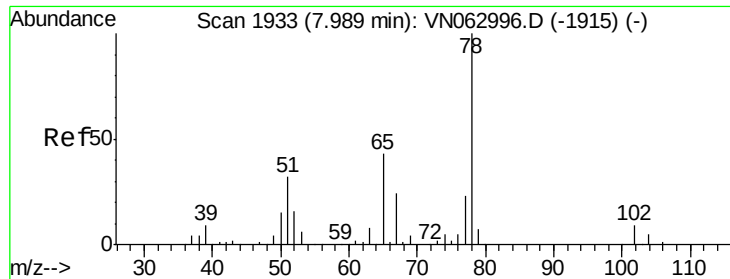
Tot Ion: 83 Resp: 647
Ion Ratio Lower Upper
83 100
85 48.1 51.5 77.3#



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063053.D
Acq: 20 Aug 2020 23:15

Tgt Ion: 56 Resp: 2805
Ion Ratio Lower Upper
56 100
69 197.6 26.6 40.0#
84 148.6 66.4 99.6#

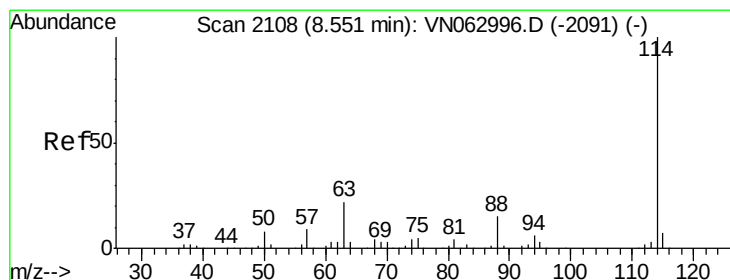
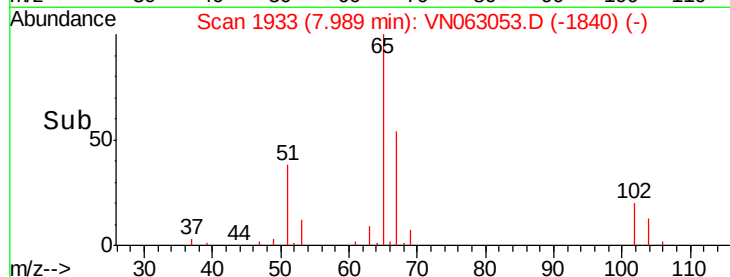
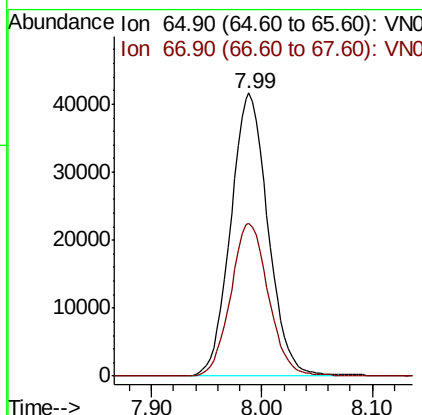
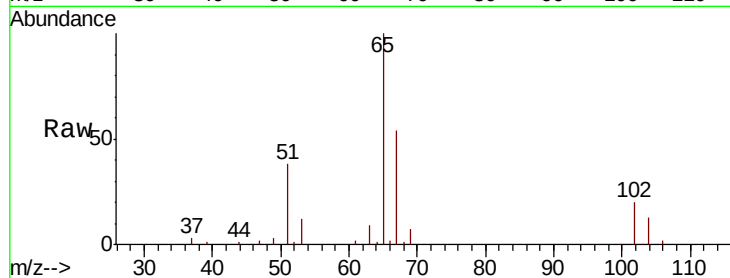




#33
 1,2-Dichloroethane-d4
 Concen: 56.133 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063053.D
 Acq: 20 Aug 2020 23:15

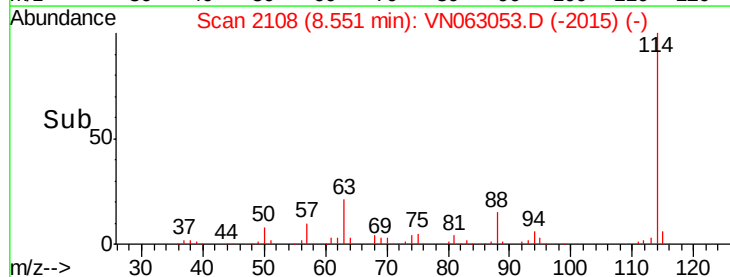
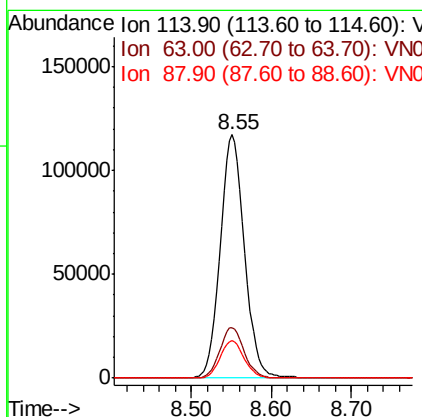
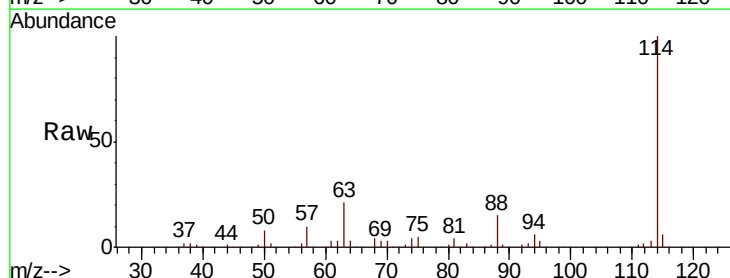
Instrument :
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 GW-01RE

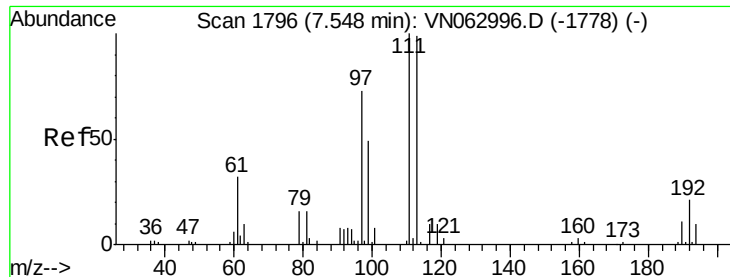
Tot Ion: 65 Resp: 97410
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063053.D
 Acq: 20 Aug 2020 23:15

Tgt Ion: 114 Resp: 244996
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 15.3 0.0 30.6

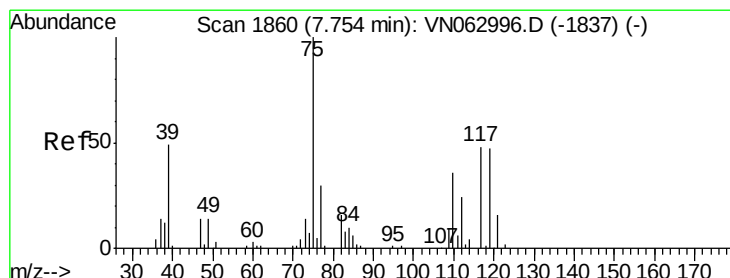
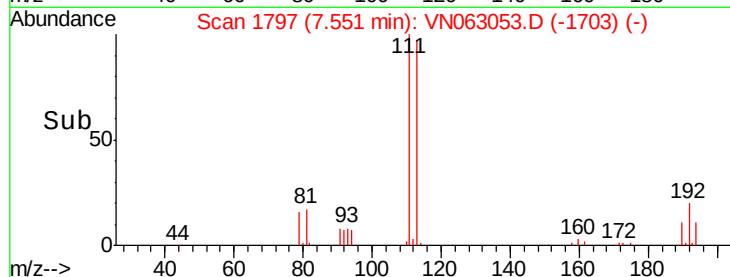
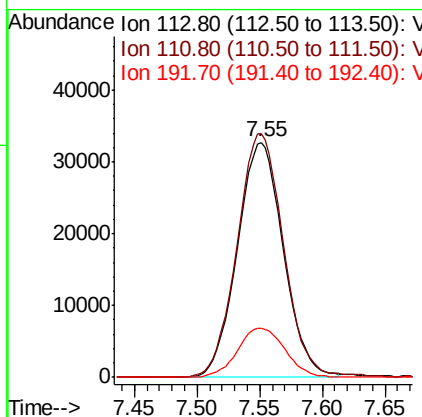
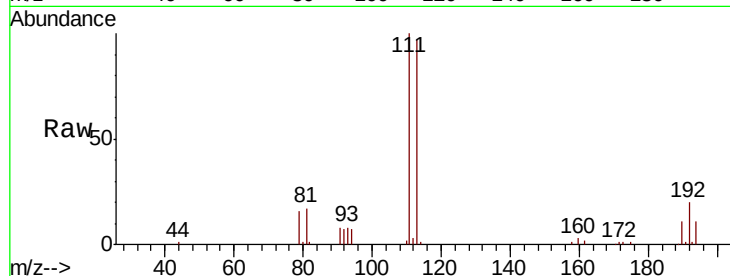




#35
 Dibromofluoromethane
 Concen: 52.046 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063053.D
 Acq: 20 Aug 2020 23:15

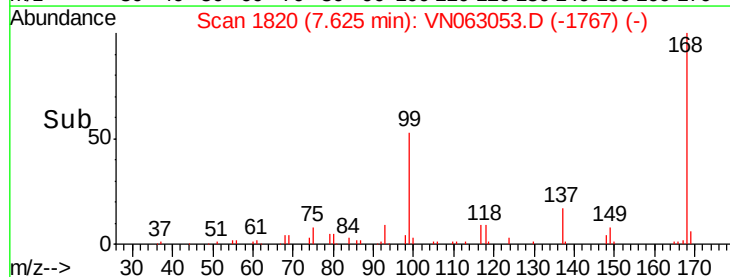
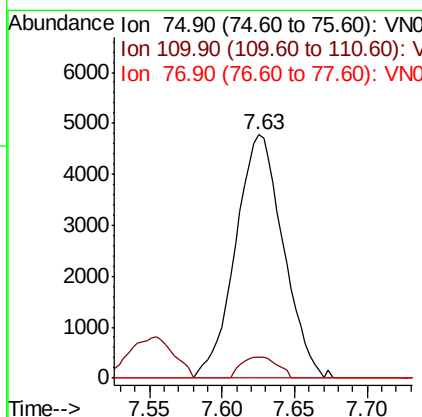
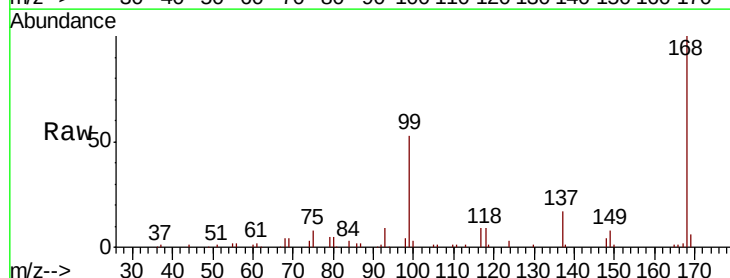
Instrument :
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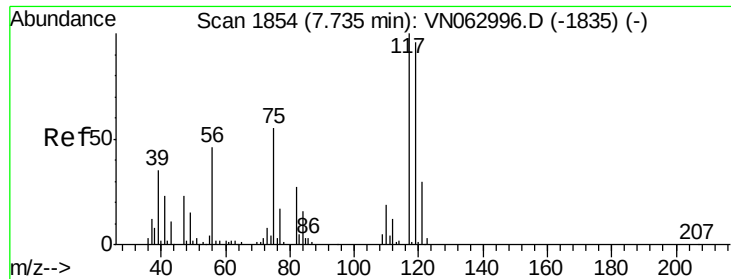
Tot Ion:113 Resp: 83085
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.7 122.5
 192 21.5 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.069 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063053.D
 Acq: 20 Aug 2020 23:15

Tgt Ion: 75 Resp: 10945
 Ion Ratio Lower Upper
 75 100
 110 6.6 17.5 52.6#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN063053.D

Acq: 20 Aug 2020 23:15

Instrument :

MSVOA_N

ClientSampleId :

GW-01RE

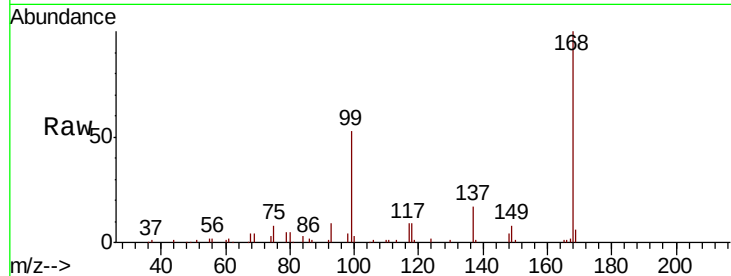
Tot Ion:117 Resp: 12859

Ion Ratio Lower Upper

117 100

119 7.4 76.2 114.4#

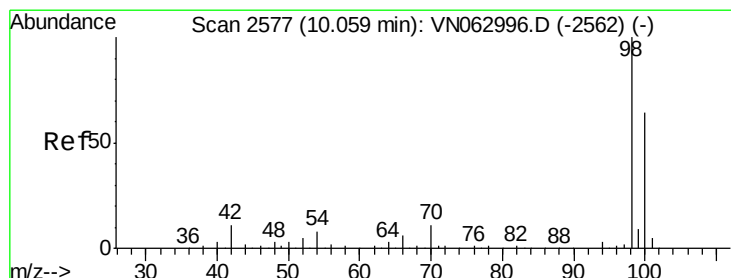
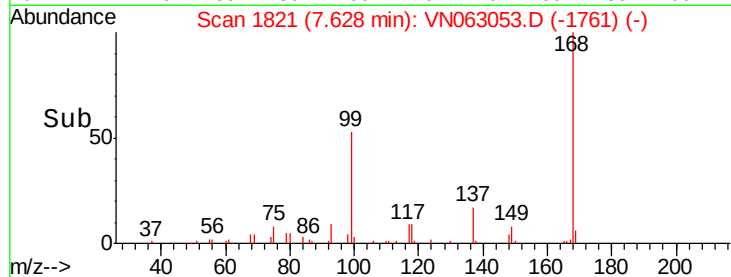
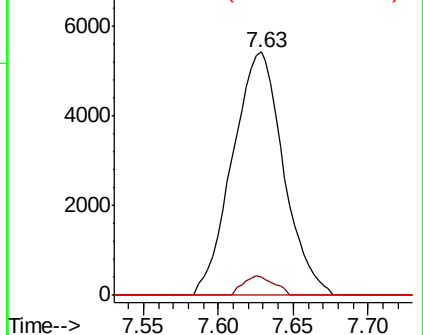
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 51.051 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063053.D

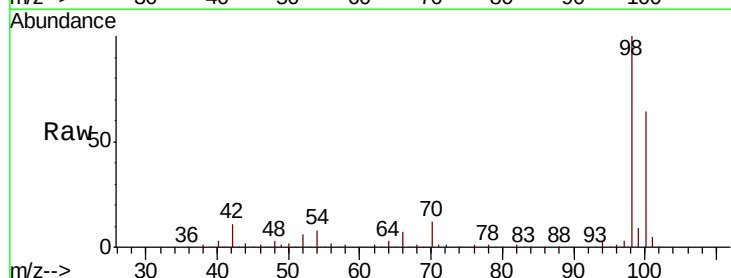
Acq: 20 Aug 2020 23:15

Tgt Ion: 98 Resp: 313036

Ion Ratio Lower Upper

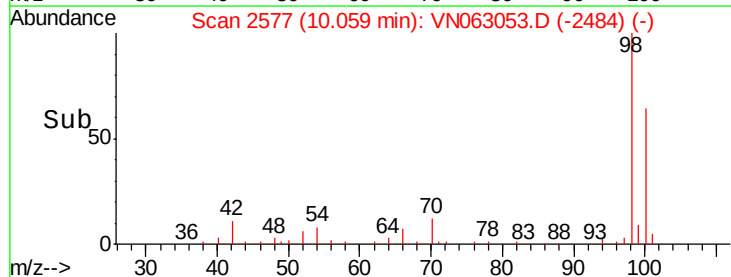
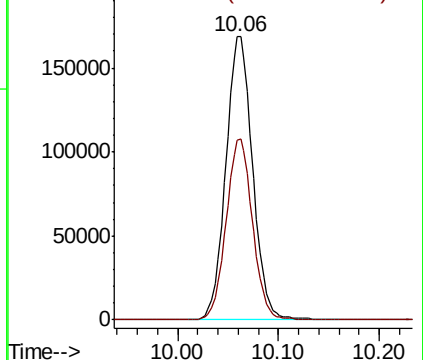
98 100

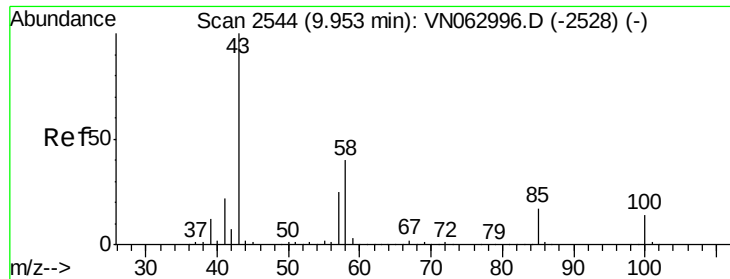
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

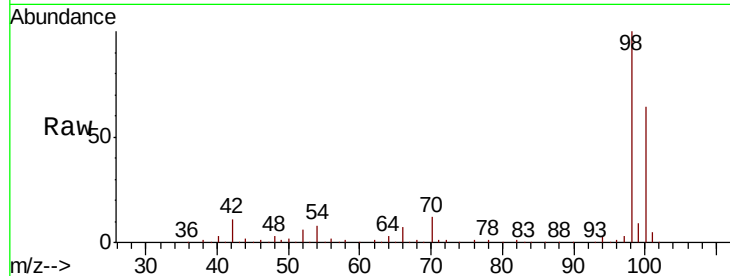




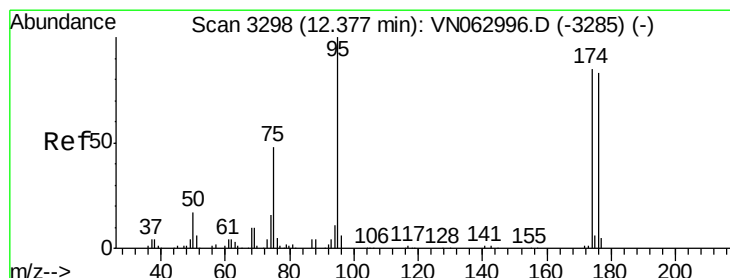
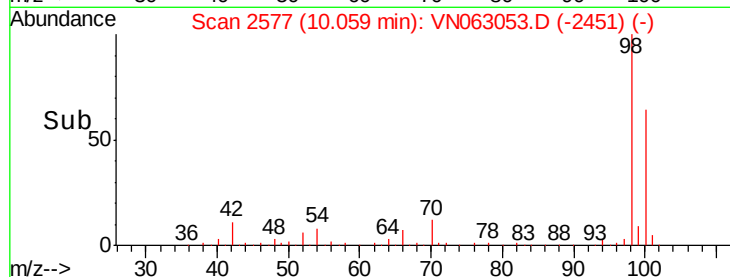
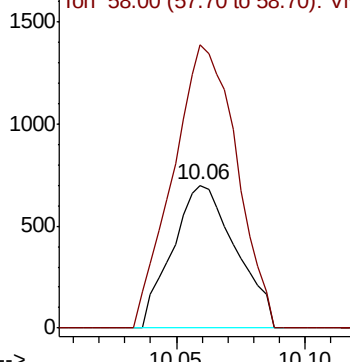
#51
 4-Methyl-2-Pentanone
 Concen: 0.566 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.11 min
 Lab File: VN063053.D
 Acq: 20 Aug 2020 23:15

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-01RE

Tot Ion: 43 Resp: 1198
 Ion Ratio Lower Upper
 43 100
 58 199.4 32.2 48.2#

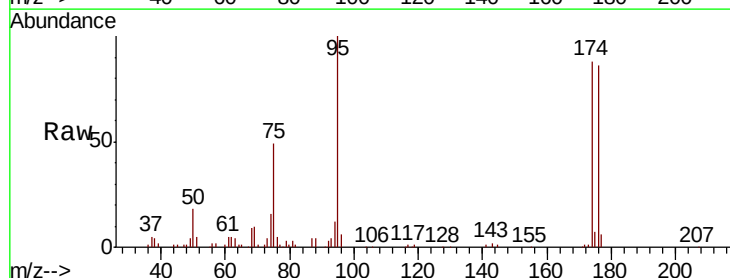


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

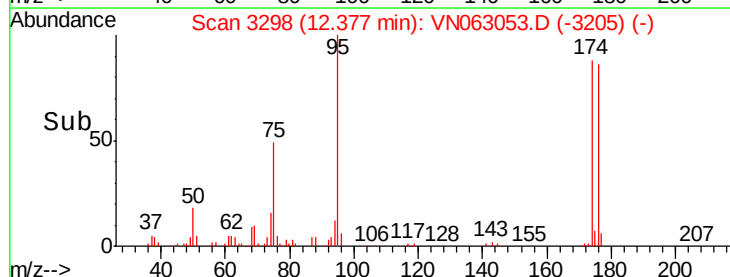
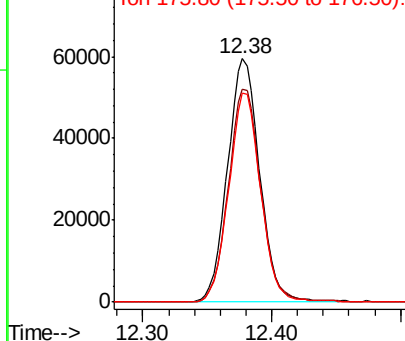


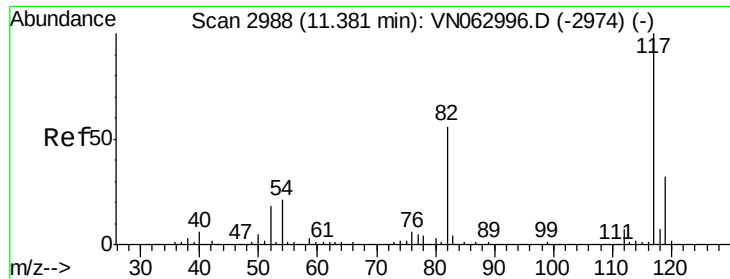
#62
 4-Bromofluorobenzene
 Concen: 47.692 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN063053.D
 Acq: 20 Aug 2020 23:15

Tgt Ion: 95 Resp: 103197
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 170.8
 176 85.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

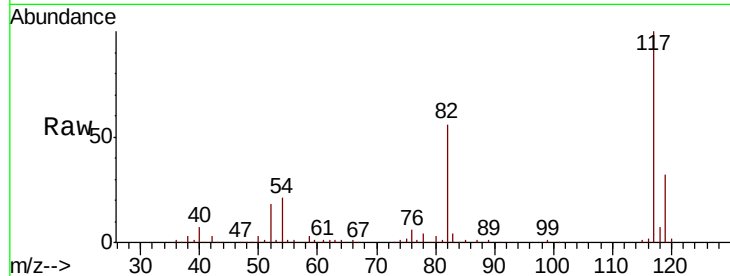




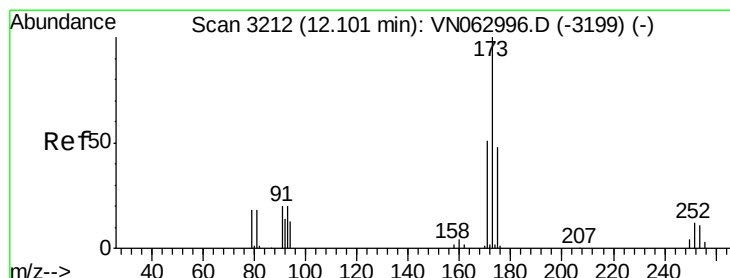
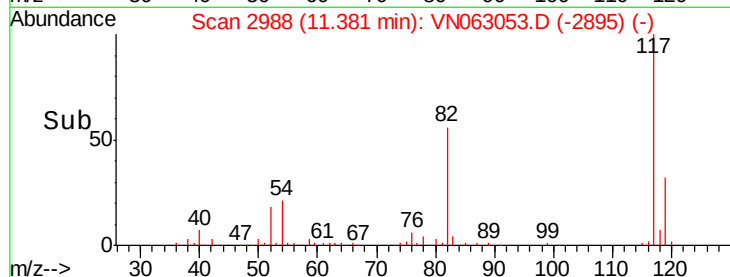
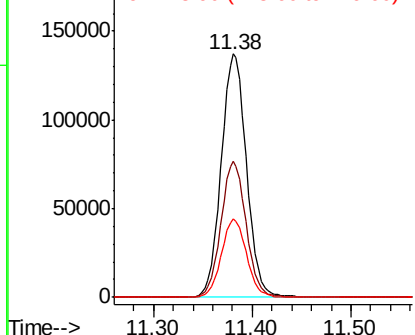
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063053.D
Acq: 20 Aug 2020 23:15

Instrument :
MSVOA_N
ClientSampleId :
GW-01RE

Tot Ion:117 Resp: 246602
Ion Ratio Lower Upper
117 100
82 55.7 44.5 66.7
119 32.1 25.5 38.3

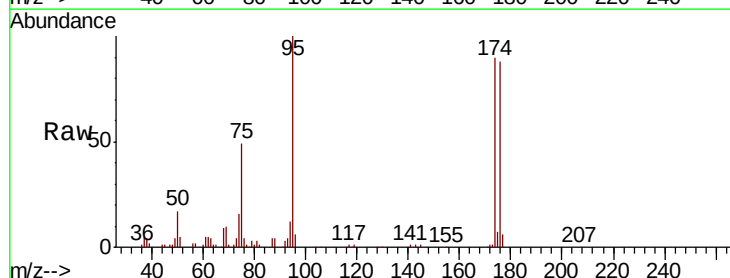


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

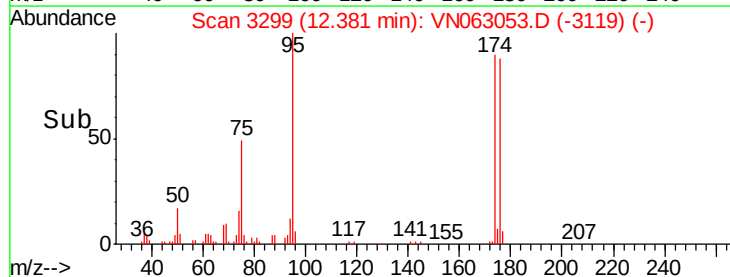
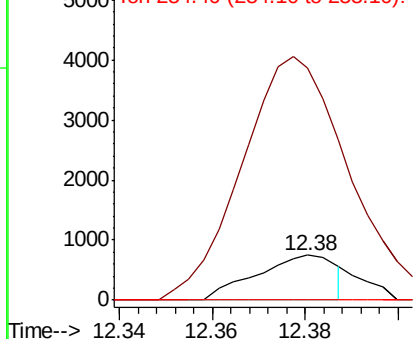


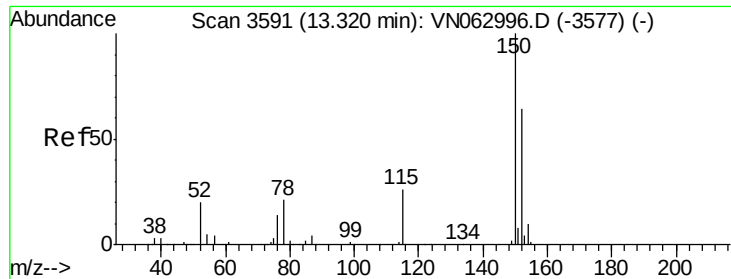
#71
Bromoform
Concen: 0.582 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN063053.D
Acq: 20 Aug 2020 23:15

Tgt Ion:173 Resp: 892
Ion Ratio Lower Upper
173 100
175 604.8 24.3 72.8#
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN063053.D

Acq: 20 Aug 2020 23:15

Instrument :

MSVOA_N

ClientSampleId :

GW-01RE

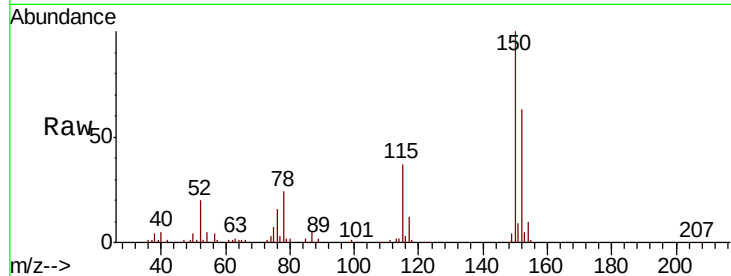
Tot Ion:152 Resp: 90058

Ion Ratio Lower Upper

152 100

115 58.3 28.7 86.3

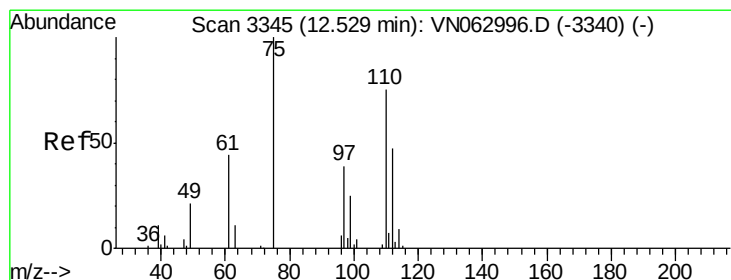
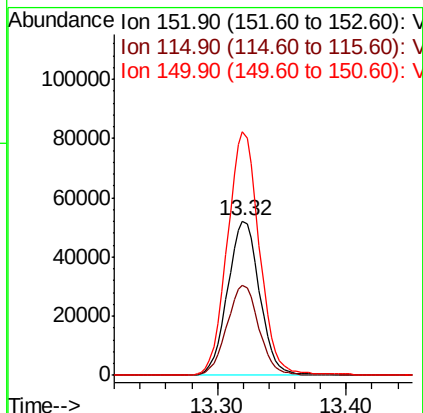
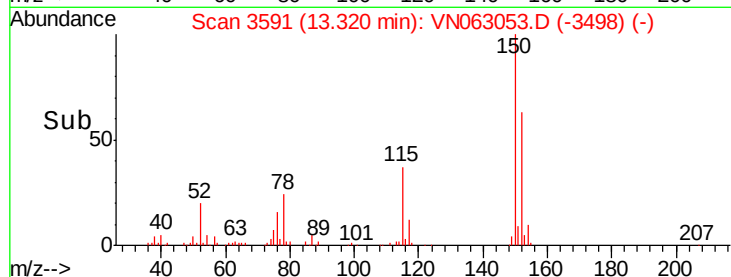
150 156.6 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 28.518 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063053.D

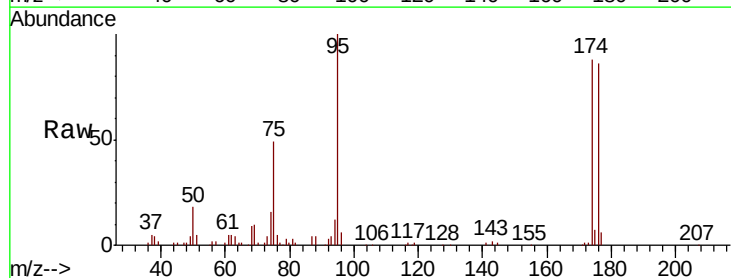
Acq: 20 Aug 2020 23:15

Tgt Ion: 75 Resp: 49922

Ion Ratio Lower Upper

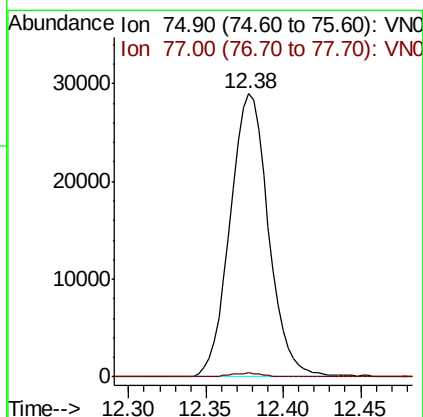
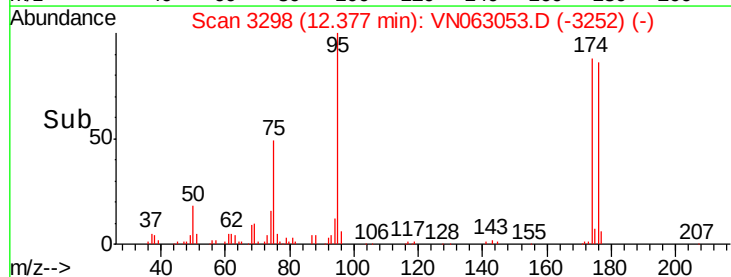
75 100

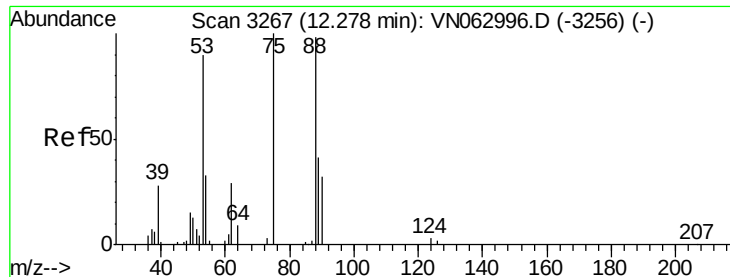
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 78.324 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063053.D

Acq: 20 Aug 2020 23:15

Instrument :

MSVOA_N

ClientSampleId :

GW-01RE

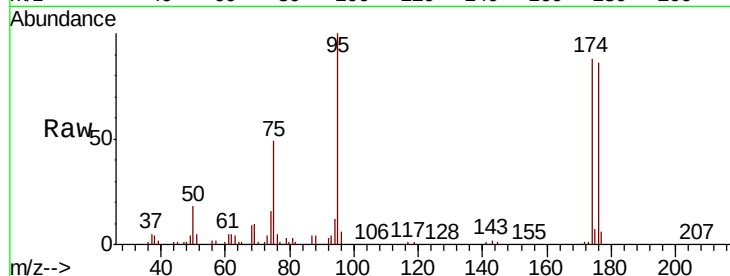
Tot Ion: 75 Resp: 49922

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

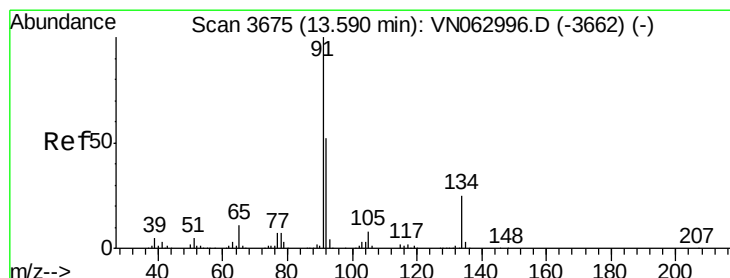
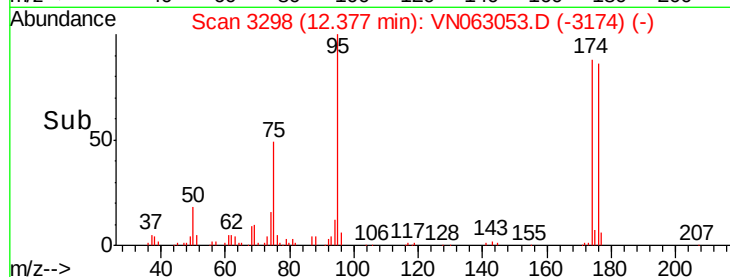
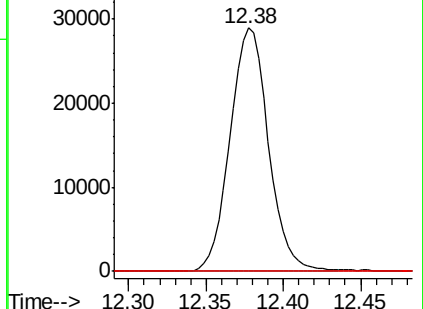
89 0.0 34.2 51.4#



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



#89

n-Butylbenzene

Concen: 2.842 ug/l

RT: 13.60 min Scan# 3677

Delta R.T. 0.01 min

Lab File: VN063053.D

Acq: 20 Aug 2020 23:15

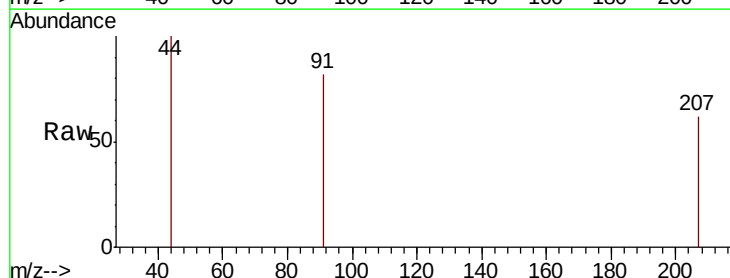
Tgt Ion: 91 Resp: 373

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

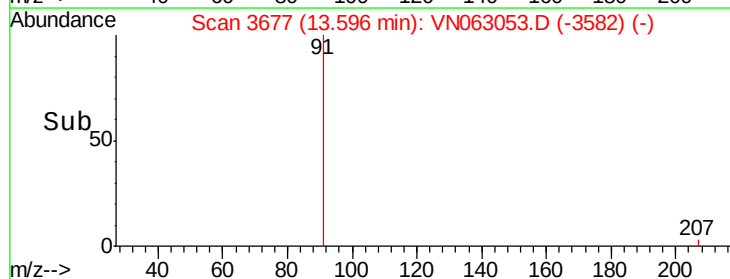
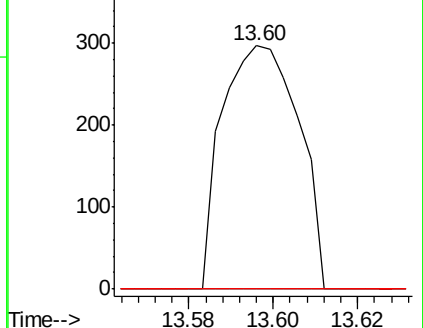
134 0.0 12.4 37.0#

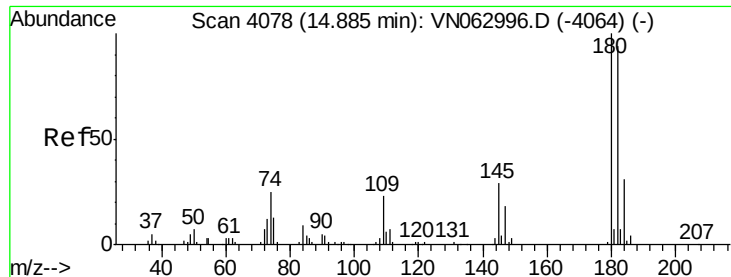


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

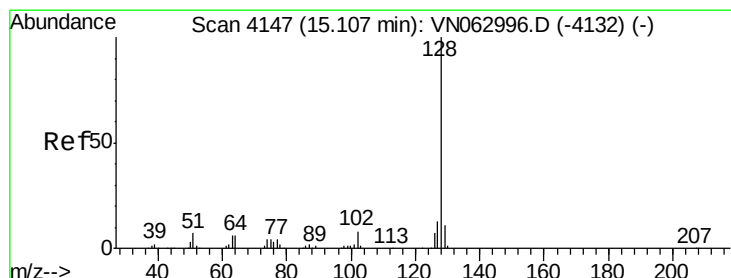
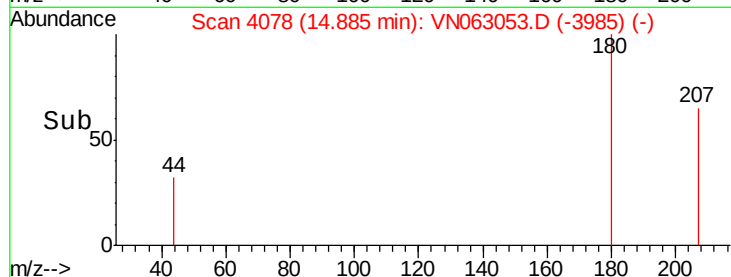
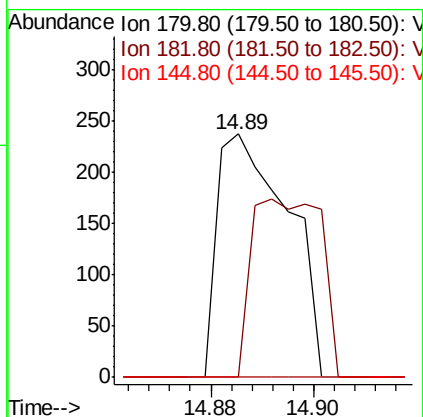
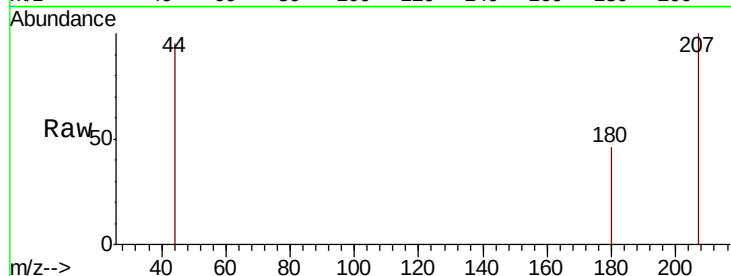




#93
 1,2,4-Trichlorobenzene
 Concen: 4.676 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063053.D
 Acq: 20 Aug 2020 23:15

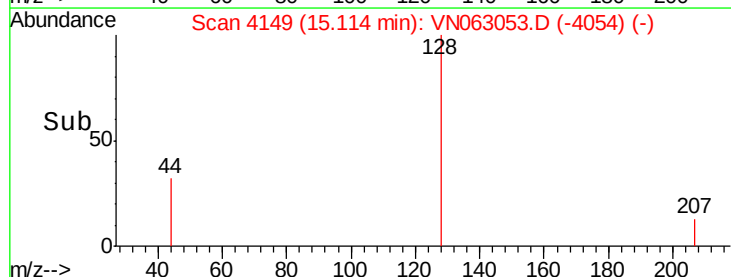
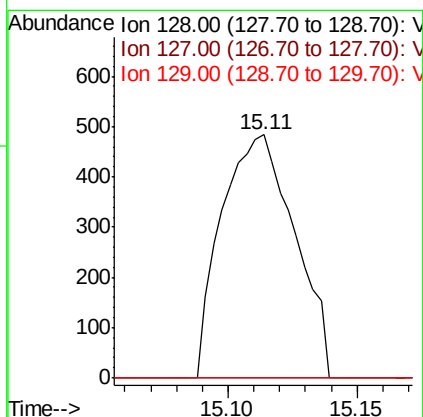
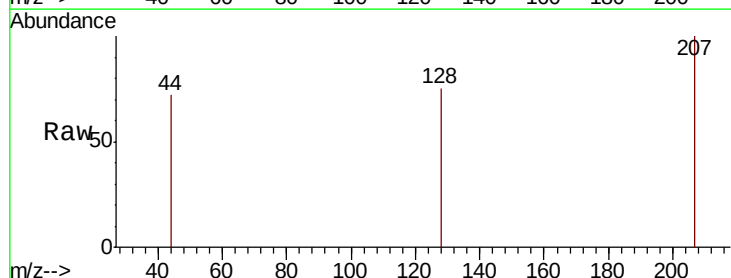
Instrument :
 MSVOA_N
 ClientSampleId :
 GW-01RE

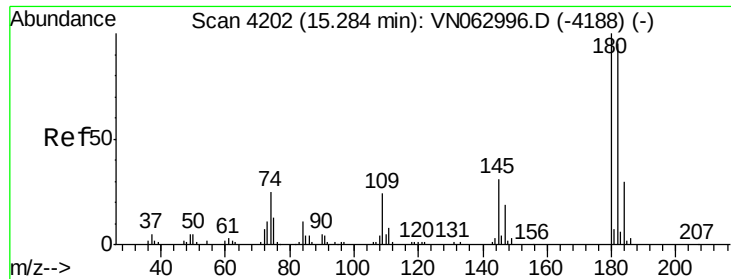
Tot Ion:180 Resp: 225
 Ion Ratio Lower Upper
 180 100
 182 72.0 47.0 141.2
 145 0.0 14.1 42.4#



#95
 Naphthalene
 Concen: 5.878 ug/l
 RT: 15.11 min Scan# 4149
 Delta R.T. 0.01 min
 Lab File: VN063053.D
 Acq: 20 Aug 2020 23:15

Tgt Ion:128 Resp: 953
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.177 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN063053.D
 Acq: 20 Aug 2020 23:15

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-01RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	70.2	47.3	141.9
145	0.0	15.6	46.7

