

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060613.D
 Acq On : 19 Mar 2020 00:21
 Operator : JC/MD
 Sample : L1942-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-TP-10

Quant Time: Mar 19 05:06:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	332991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138014	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	128738	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	7.56	113	99086	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.08	98	407807	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	152076	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

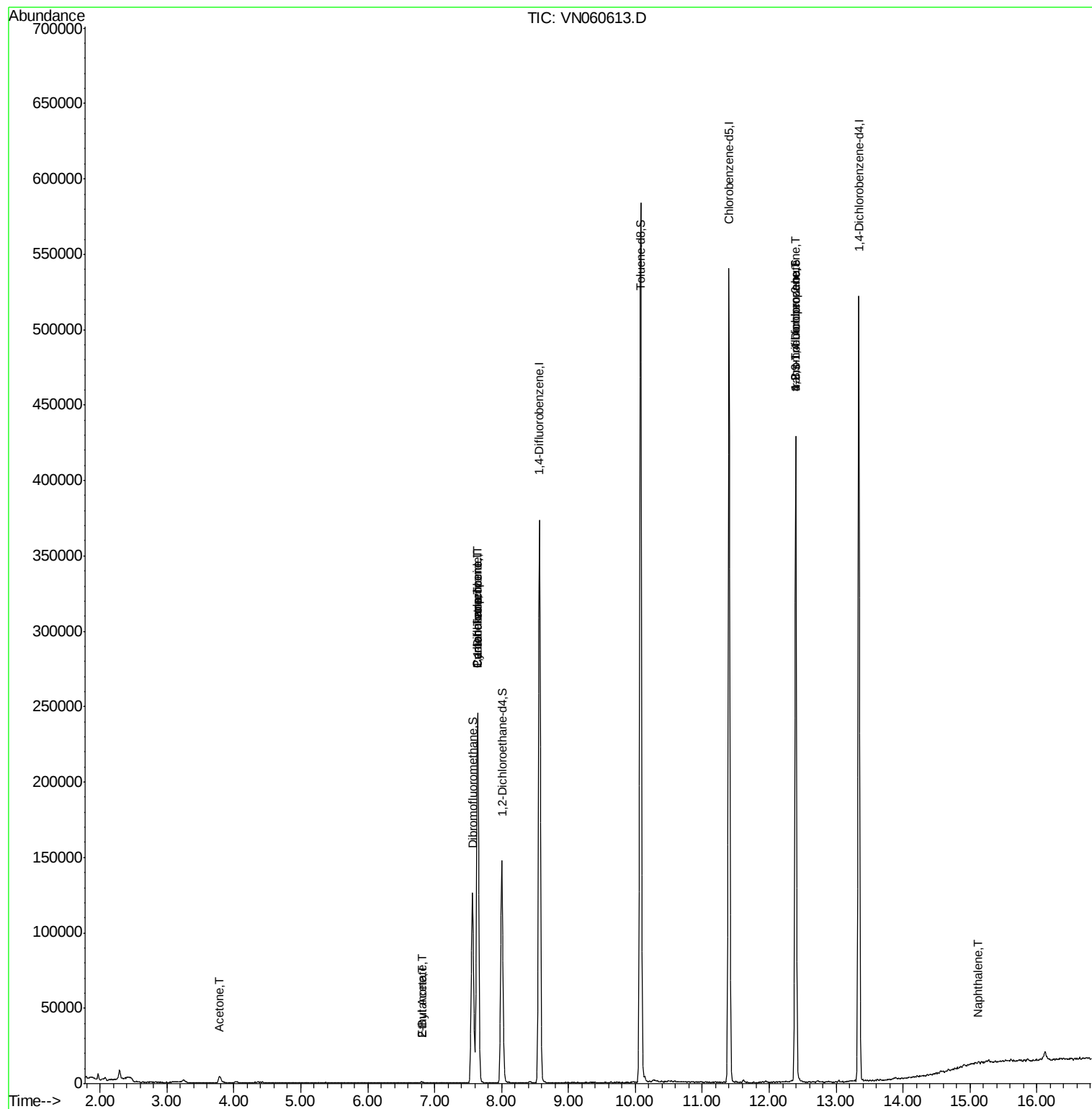
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	8278	8.503	ug/l	93
25) 2-Butanone	6.81	43	1799	1.142	ug/l	99
31) Cyclohexane	7.64	56	4142	0.936	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15752	4.885	ug/l #	49
37) Ethyl Acetate	6.81	43	1799	0.516	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18897	6.539	ug/l #	16
76) 1,2,3-Trichloropropane	12.39	75	75369	25.308	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	75369	64.999	ug/l #	13
95) Naphthalene	15.13	128	1671	0.215	ug/l #	79

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060613.D

Acq: 19 Mar 2020 00:21

Instrument :

MSVOA_N

ClientSampleId :

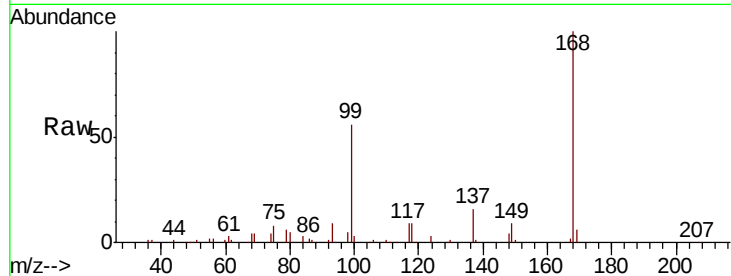
GW-TP-10

Tot Ion:168 Resp: 200213

Ion Ratio Lower Upper

168 100

99 56.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

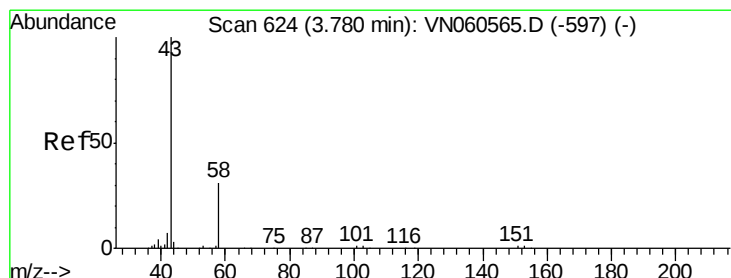
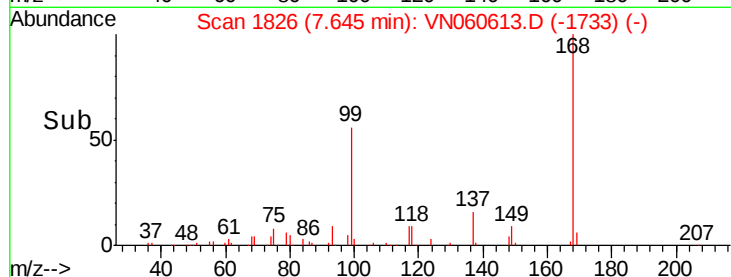
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 8.503 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060613.D

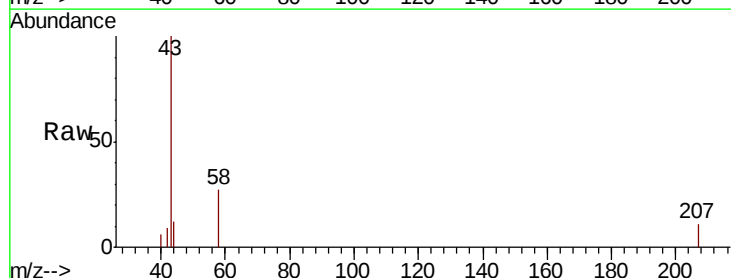
Acq: 19 Mar 2020 00:21

Tgt Ion: 43 Resp: 8278

Ion Ratio Lower Upper

43 100

58 27.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

3000

2500

2000

1500

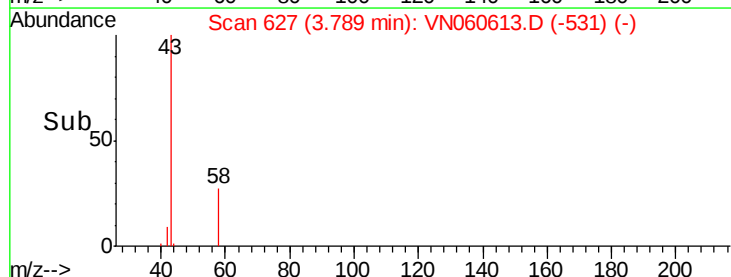
1000

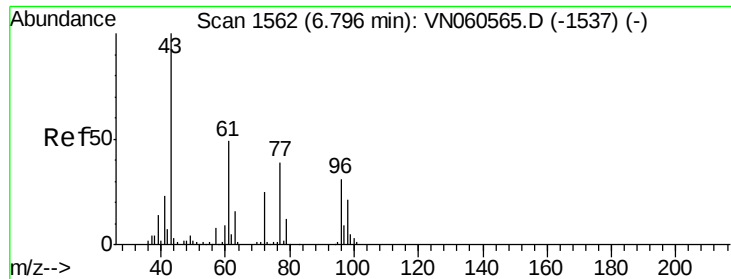
500

0

3.70 3.75 3.80 3.85 3.90

Time-->





#25

2-Butanone

Concen: 1.142 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.02 min

Lab File: VN060613.D

Acq: 19 Mar 2020 00:21

Instrument :

MSVOA_N

ClientSampleId :

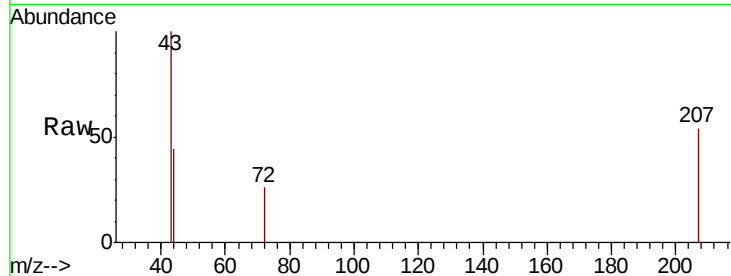
GW-TP-10

Tot Ion: 43 Resp: 1799

Ion Ratio Lower Upper

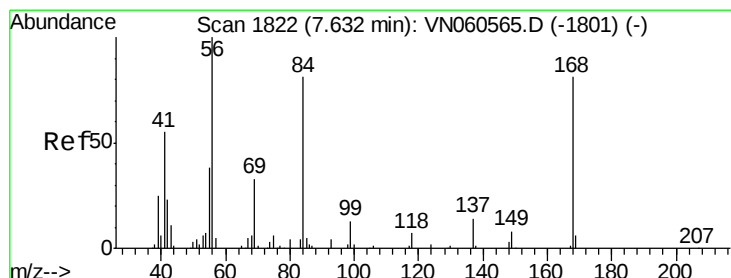
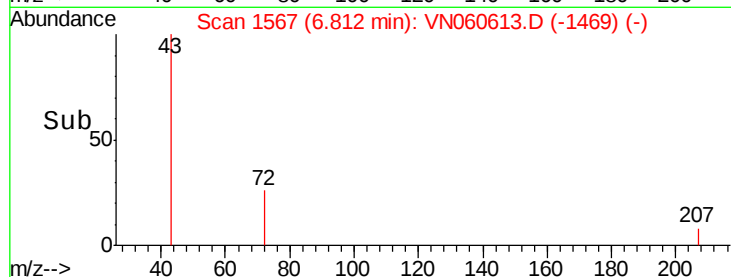
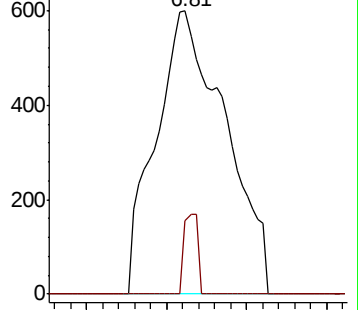
43 100

72 26.0 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 0.936 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060613.D

Acq: 19 Mar 2020 00:21

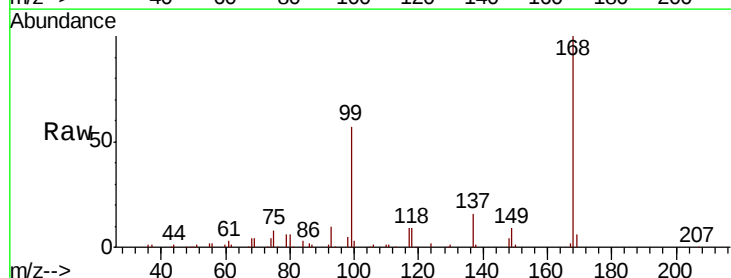
Tgt Ion: 56 Resp: 4142

Ion Ratio Lower Upper

56 100

69 160.9 26.6 40.0#

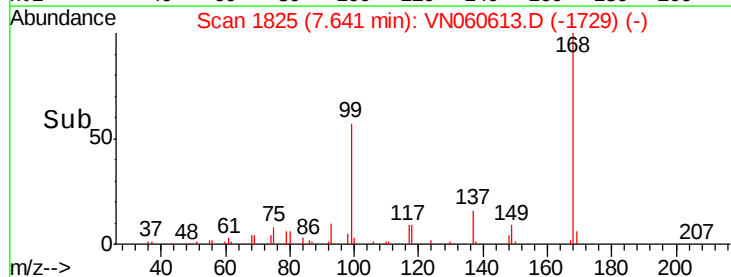
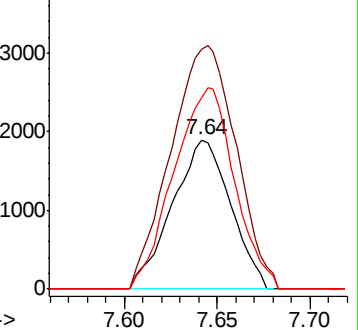
84 128.1 64.3 96.5#

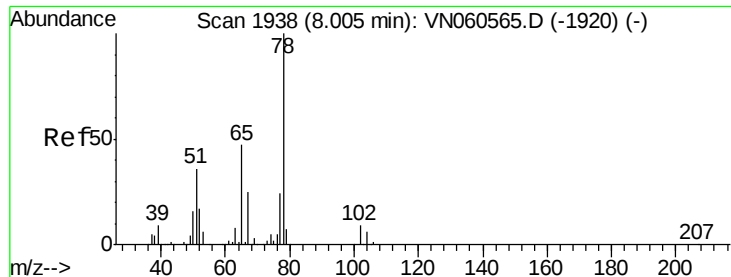


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 46.840 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060613.D

Acq: 19 Mar 2020 00:21

Instrument :

MSVOA_N

ClientSampleId :

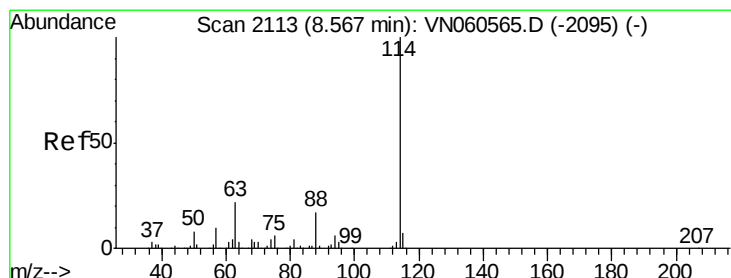
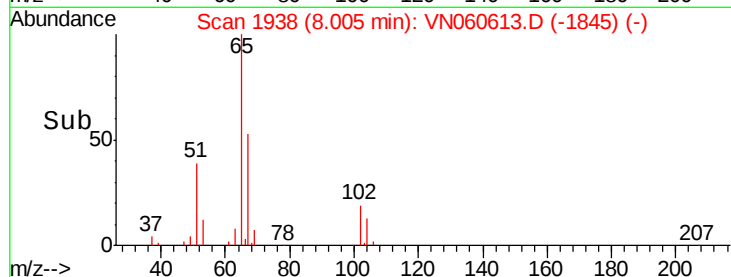
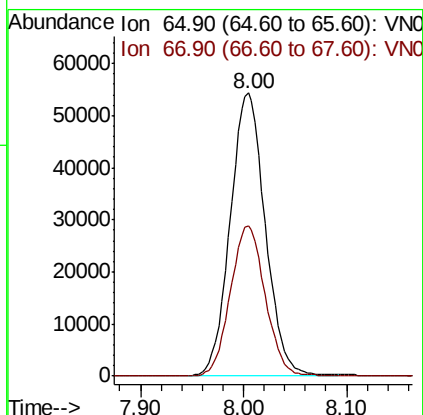
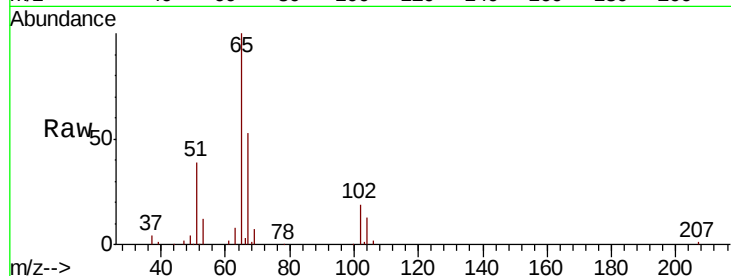
GW-TP-10

Tot Ion: 65 Resp: 128738

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060613.D

Acq: 19 Mar 2020 00:21

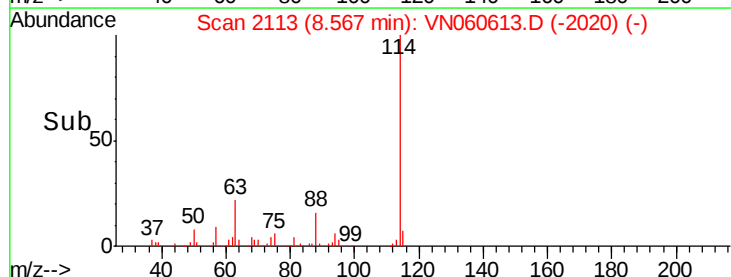
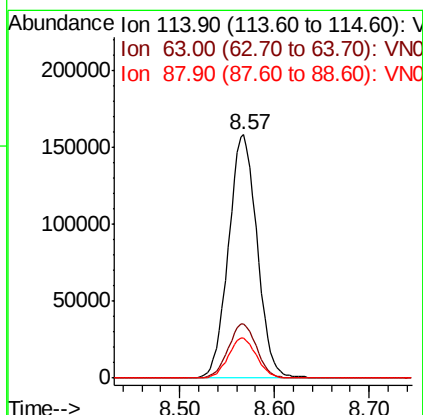
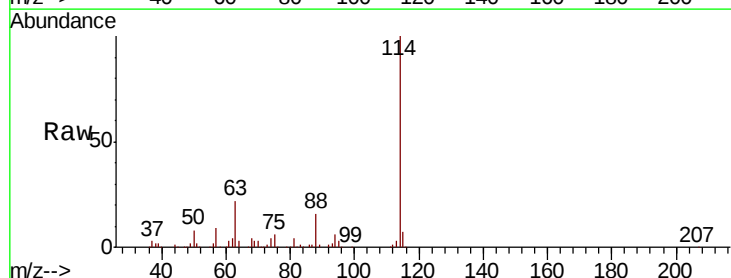
Tgt Ion: 114 Resp: 332991

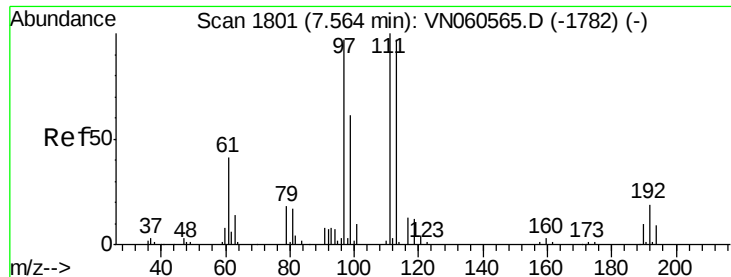
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

88 16.4 0.0 33.0

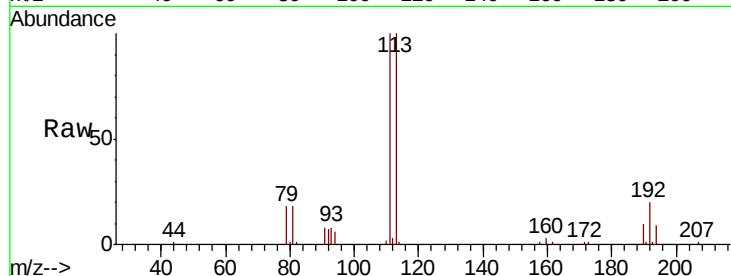




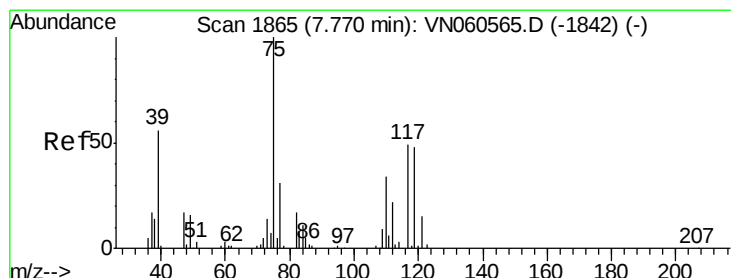
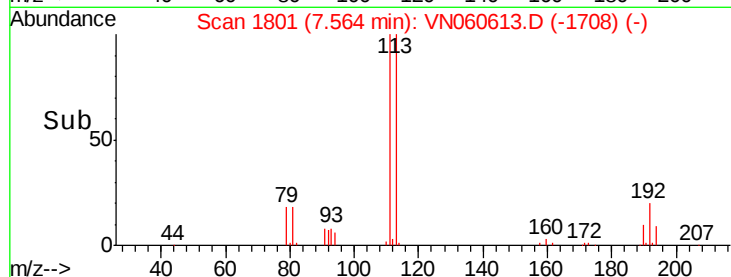
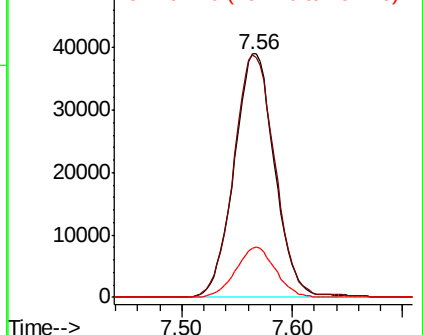
#35
 Dibromofluoromethane
 Concen: 49.211 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060613.D
 Acq: 19 Mar 2020 00:21

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-TP-10

Tot Ion:113 Resp: 99086
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.9 124.3
 192 20.1 15.8 23.8

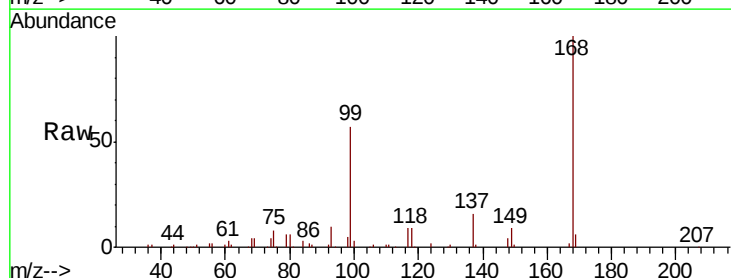


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

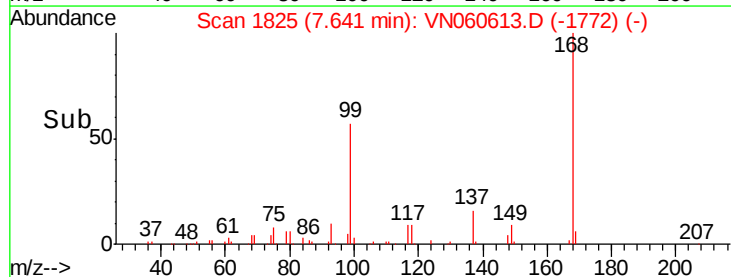
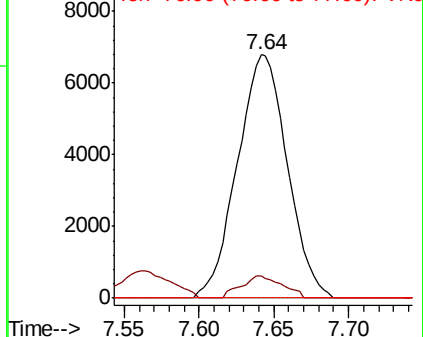


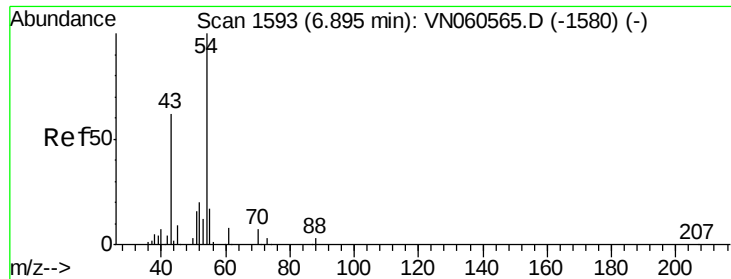
#36
 1,1-Dichloropropene
 Concen: 4.885 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060613.D
 Acq: 19 Mar 2020 00:21

Tgt Ion: 75 Resp: 15752
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.9 50.6#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

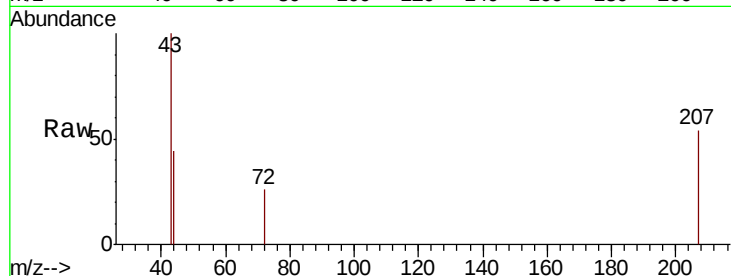




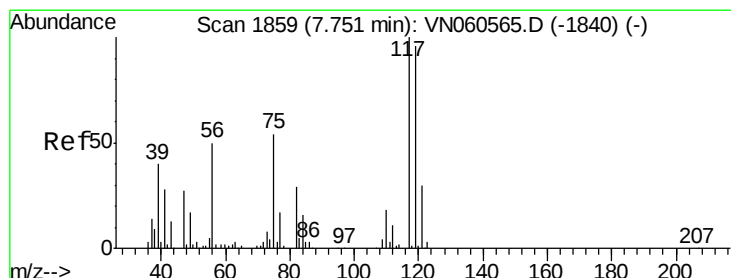
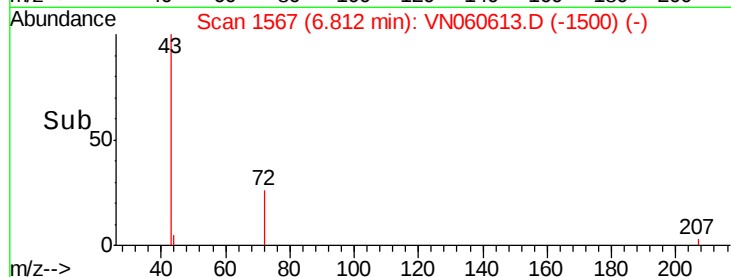
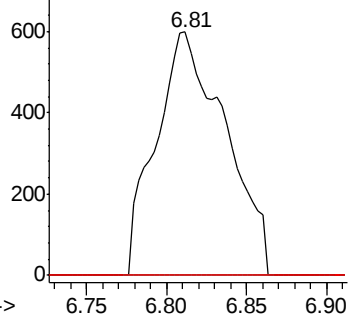
#37
Ethyl Acetate
Concen: 0.516 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.08 min
Lab File: VN060613.D
Acq: 19 Mar 2020 00:21

Instrument :
MSVOA_N
ClientSampleId :
GW-TP-10

Tot Ion: 43 Resp: 1799
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#

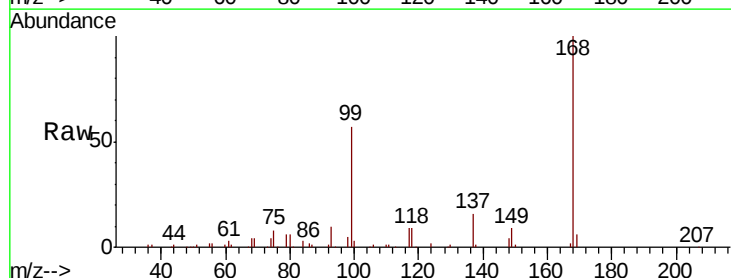


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

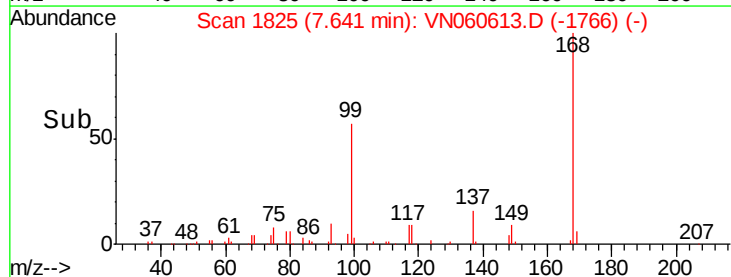
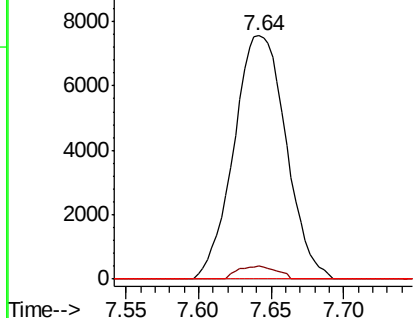


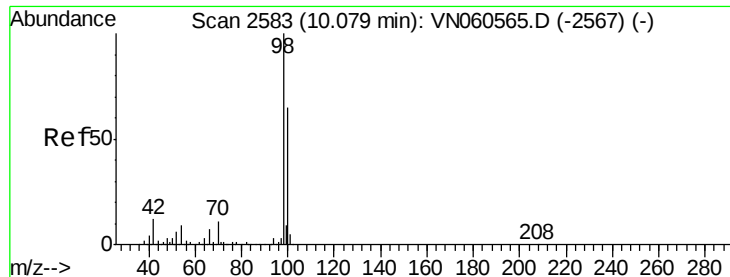
#38
Carbon Tetrachloride
Concen: 6.539 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060613.D
Acq: 19 Mar 2020 00:21

Tgt Ion: 117 Resp: 18897
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 23.7 35.5#



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: 49.585 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060613.D

Acq: 19 Mar 2020 00:21

Instrument :

MSVOA_N

ClientSampleId :

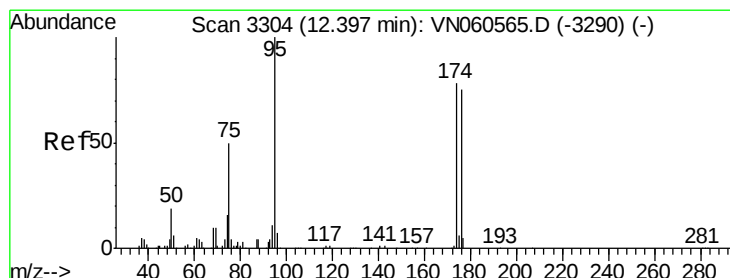
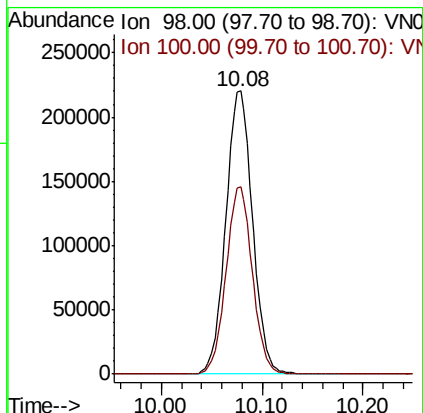
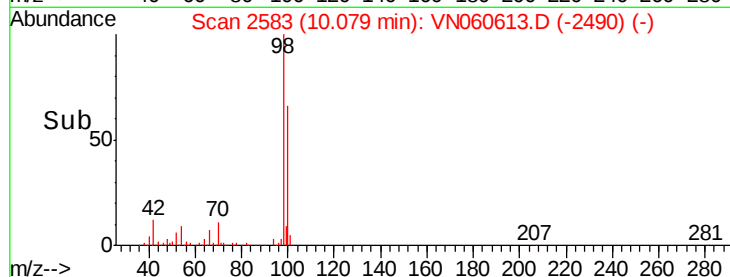
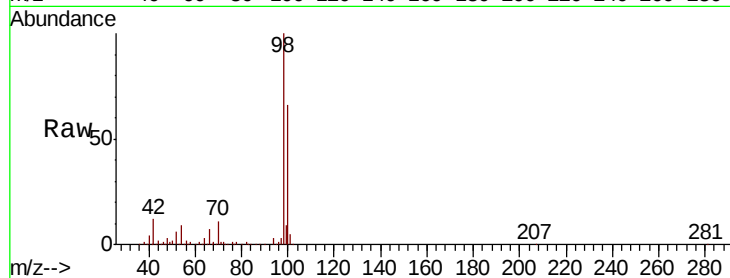
GW-TP-10

Tot Ion: 98 Resp: 407807

Ion Ratio Lower Upper

98 100

100 65.1 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 50.455 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060613.D

Acq: 19 Mar 2020 00:21

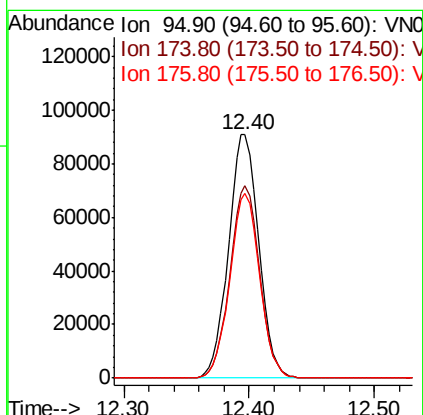
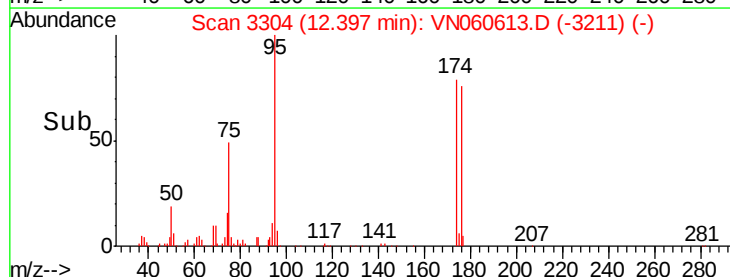
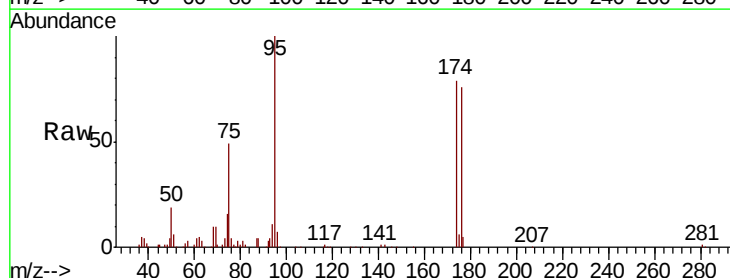
Tgt Ion: 95 Resp: 152076

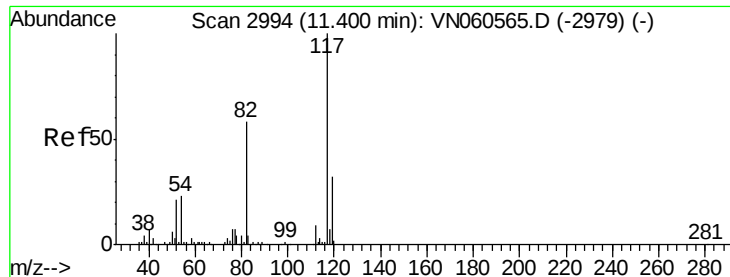
Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.6

176 74.9 0.0 150.6

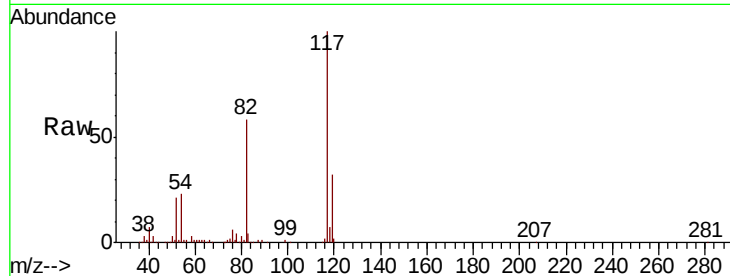




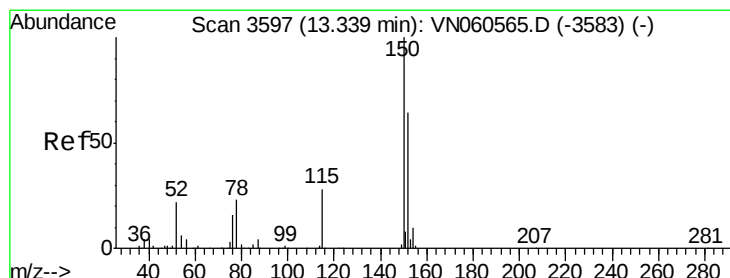
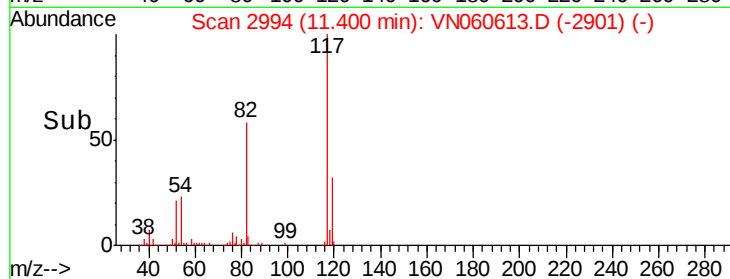
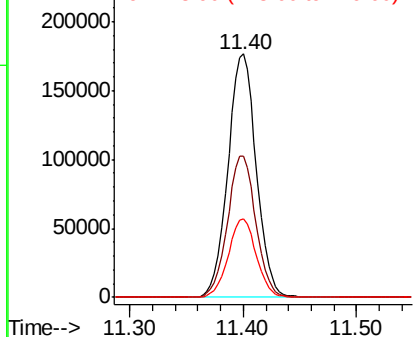
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060613.D
Acq: 19 Mar 2020 00:21

Instrument :
MSVOA_N
ClientSampleId :
GW-TP-10

Tot Ion:117 Resp: 307029
Ion Ratio Lower Upper
117 100
82 57.8 46.7 70.1
119 32.3 25.5 38.3

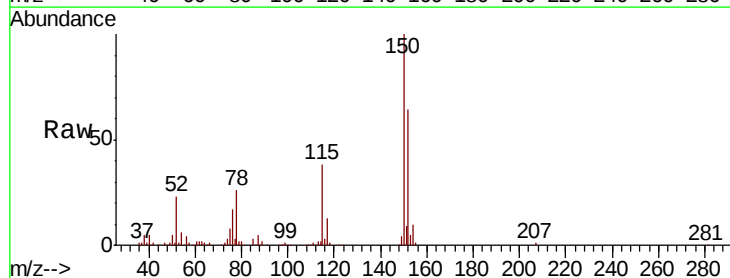


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

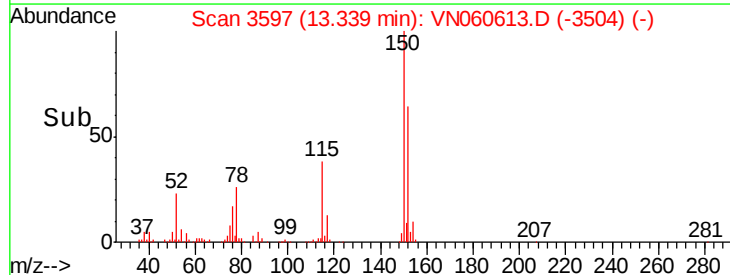
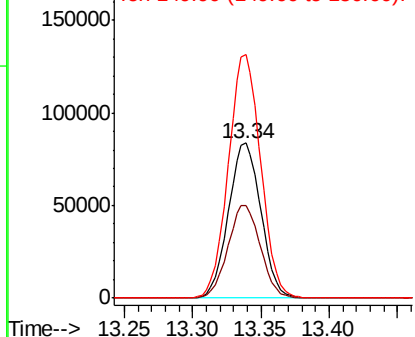


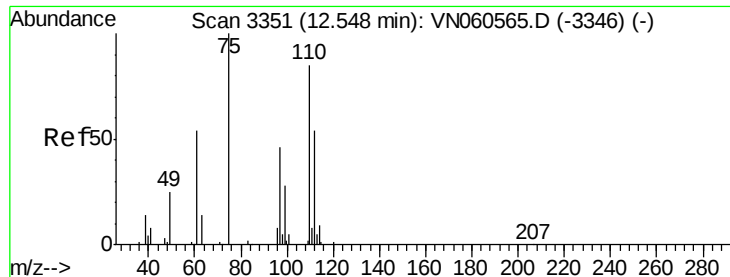
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060613.D
Acq: 19 Mar 2020 00:21

Tgt Ion:152 Resp: 138014
Ion Ratio Lower Upper
152 100
115 59.8 30.2 90.6
150 156.6 0.0 350.2



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: 25.308 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060613.D

Acq: 19 Mar 2020 00:21

Instrument :

MSVOA_N

ClientSampleId :

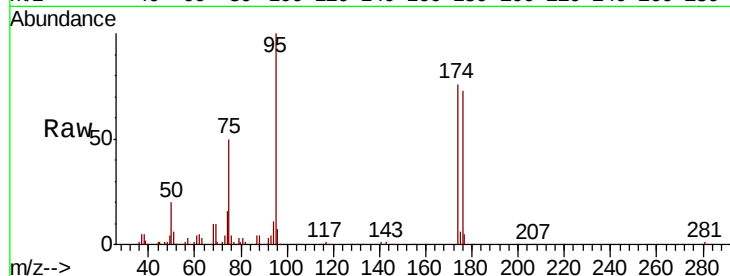
GW-TP-10

Tot Ion: 75 Resp: 75369

Ion Ratio Lower Upper

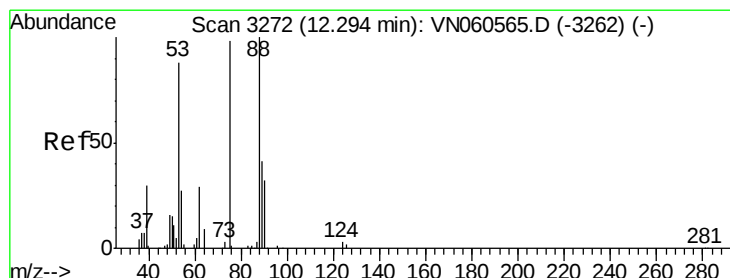
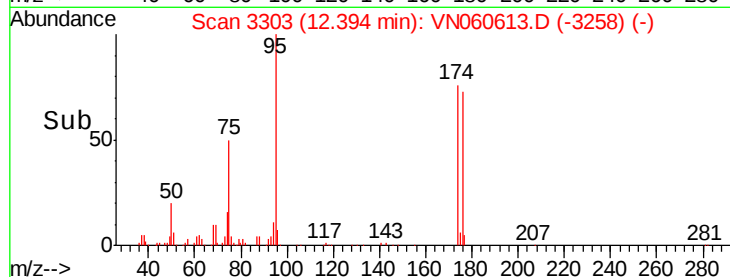
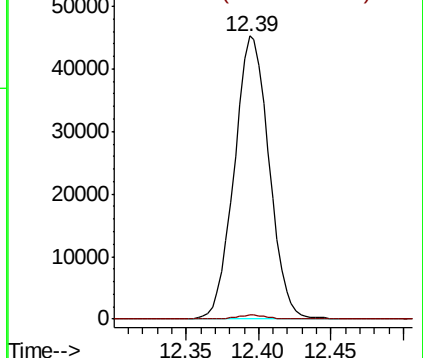
75 100

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: 64.999 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060613.D

Acq: 19 Mar 2020 00:21

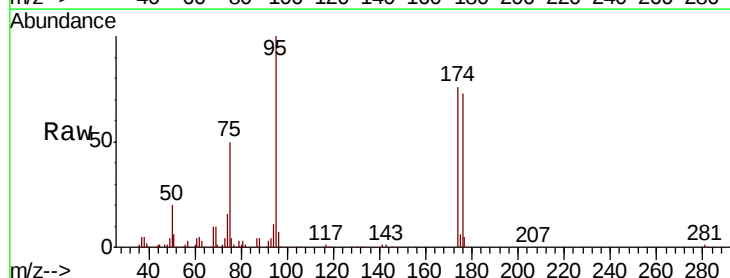
Tgt Ion: 75 Resp: 75369

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

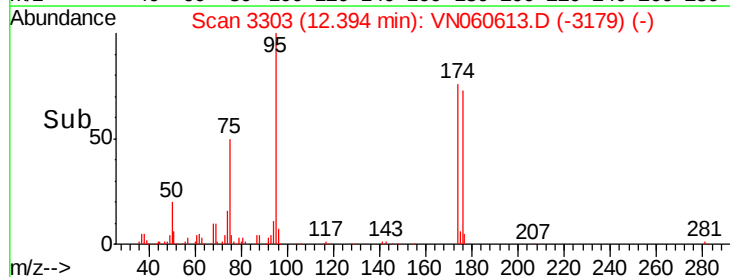
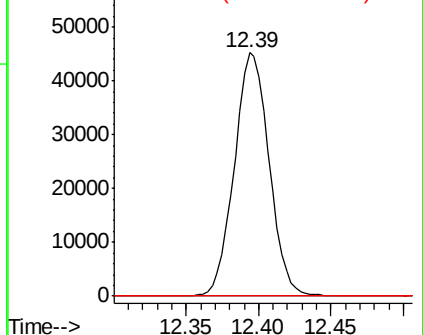
89 0.0 34.8 52.2#

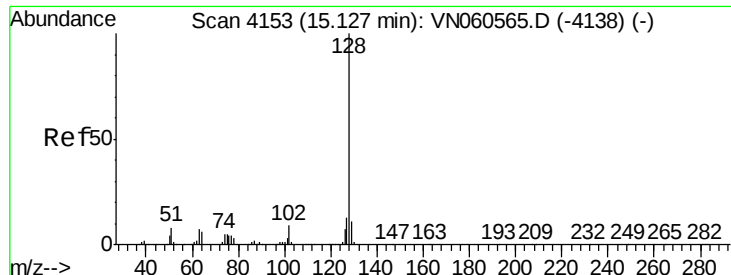


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

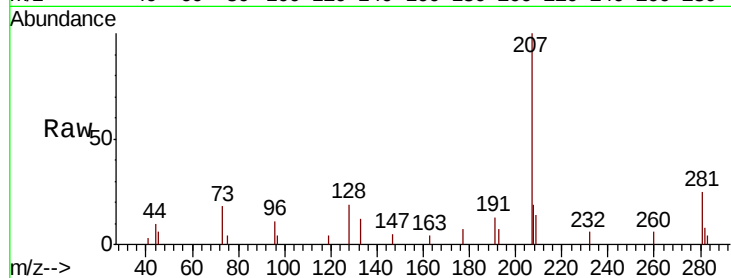




#95
Naphthalene
Concen: 0.215 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060613.D
Acq: 19 Mar 2020 00:21

Instrument :
MSVOA_N
ClientSampleId :
GW-TP-10

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	8.3	8.8	13.2#



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

