

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060120\
 Data File : VN061597.D
 Acq On : 1 Jun 2020 16:10
 Operator : JC/MD
 Sample : L2800-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW359-200527

Quant Time: Jun 02 04:45:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	279563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	491158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	490521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	230972	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	168520	50.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.18%	
35) Dibromofluoromethane	7.55	113	142552	57.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.42%	
50) Toluene-d8	10.06	98	596902	51.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.37	95	226770	53.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.66%	

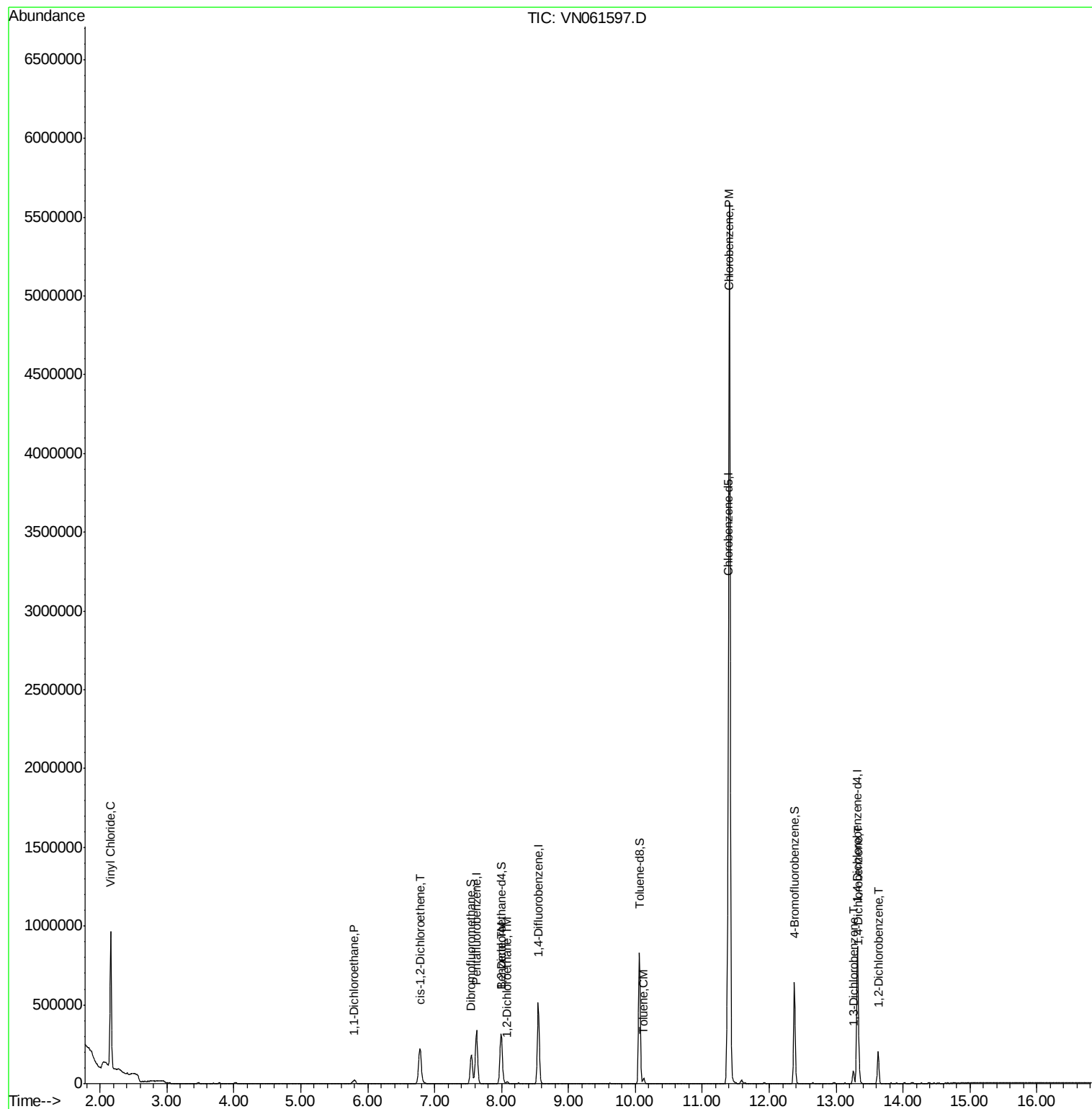
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	768858	164.545	ug/l	100
24) 1,1-Dichloroethane	5.80	63	33561	6.430	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	162066	44.427	ug/l	92
40) Benzene	8.00	78	172842	12.884	ug/l	97
42) 1,2-Dichloroethane	8.08	62	8442	1.880	ug/l	98
52) Toluene	10.12	92	14464	1.652	ug/l	100
65) Chlorobenzene	11.41	112	3229655	316.753	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	34041	4.467	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	80675	10.393	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	89909	12.347	ug/l	98

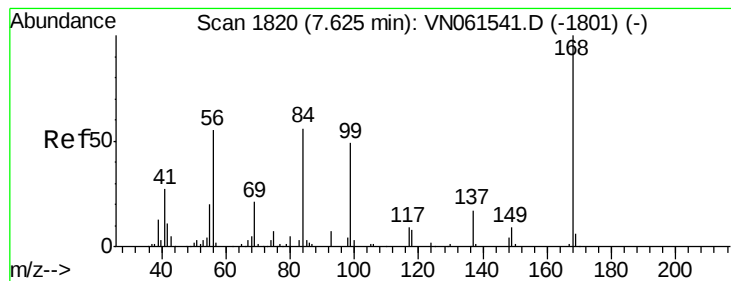
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 02 04:45:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061597.D

Acq: 1 Jun 2020 16:10

Instrument :

MSVOA_N

ClientSampleId :

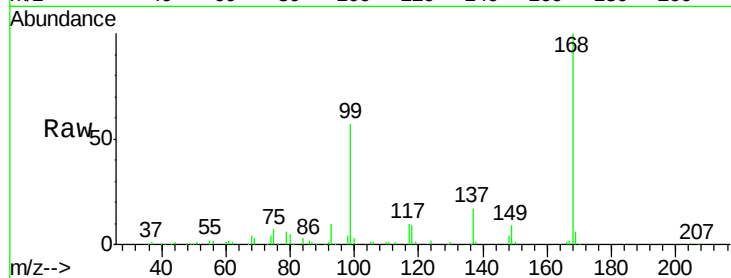
WP022MW359-200527

Tot Ion:168 Resp: 279563

Ion Ratio Lower Upper

168 100

99 56.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

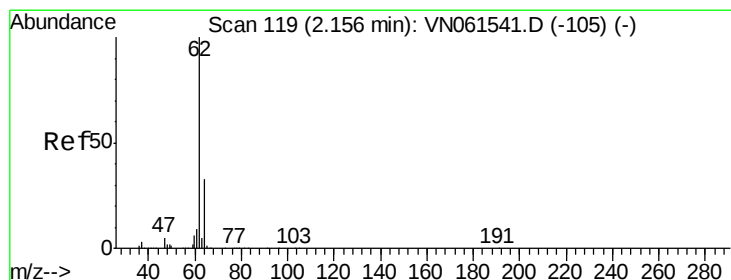
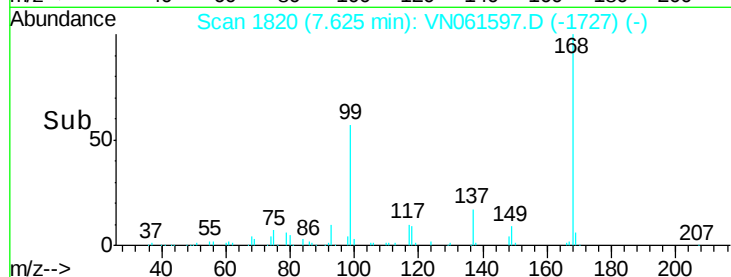
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 164.545 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061597.D

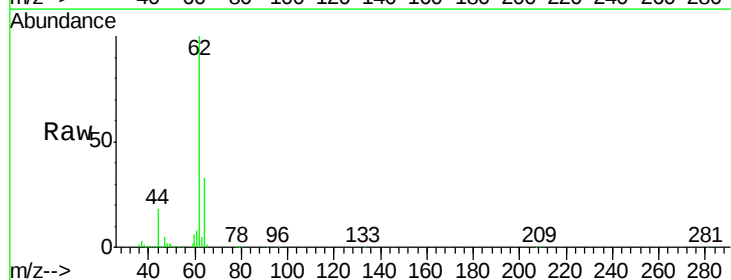
Acq: 1 Jun 2020 16:10

Tgt Ion: 62 Resp: 768858

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.16

600000

500000

400000

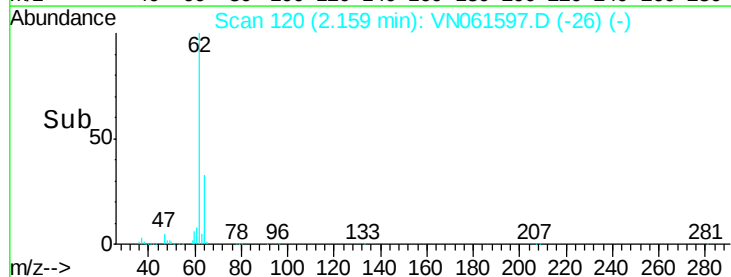
300000

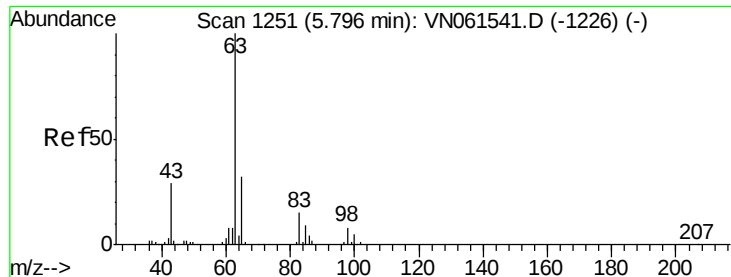
200000

100000

0

Time--> 2.10 2.20 2.30





#24

1,1-Dichloroethane

Concen: 6.430 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061597.D

Acq: 1 Jun 2020 16:10

Instrument :

MSVOA_N

ClientSampleId :

WP022MW359-200527

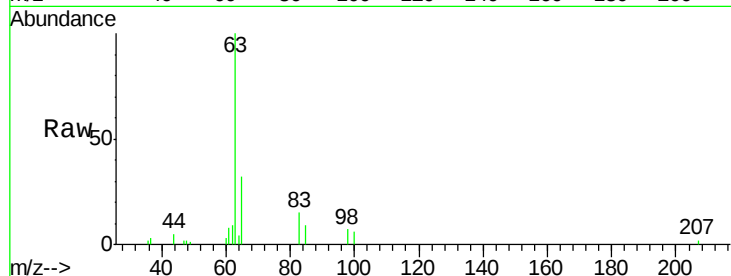
Tot Ion: 63 Resp: 33561

Ion Ratio Lower Upper

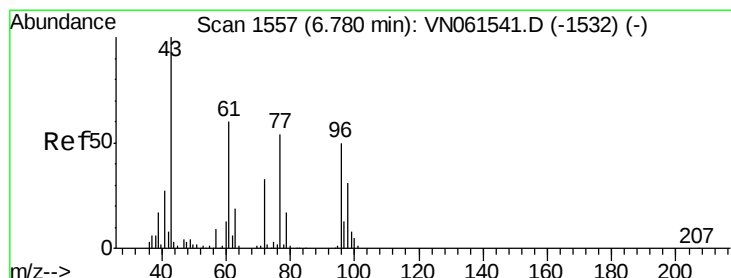
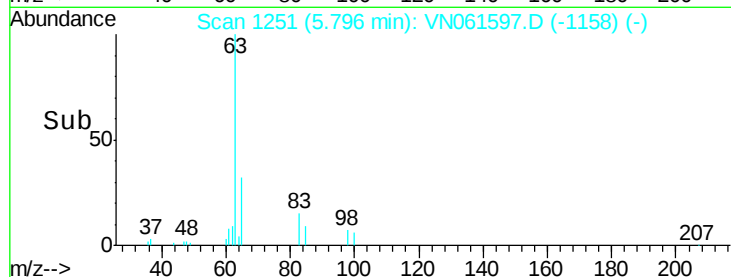
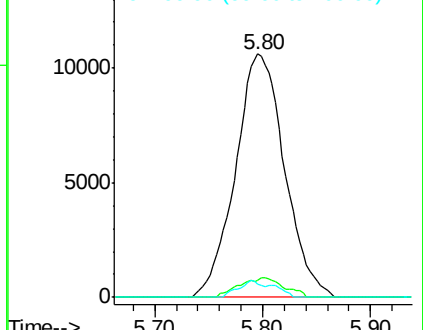
63 100

98 7.1 3.8 11.4

100 5.6 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 44.427 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061597.D

Acq: 1 Jun 2020 16:10

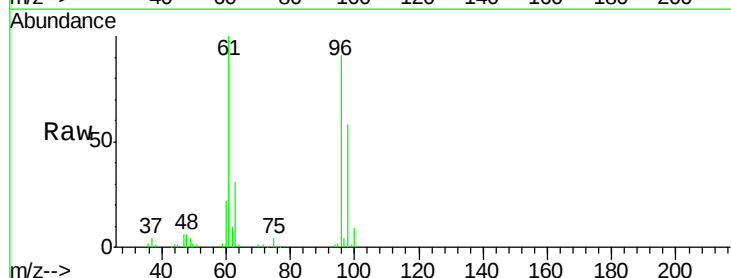
Tgt Ion: 96 Resp: 162066

Ion Ratio Lower Upper

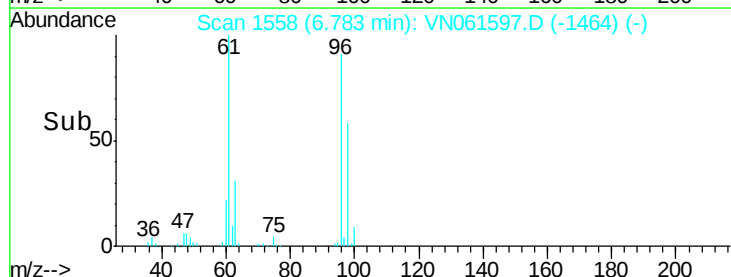
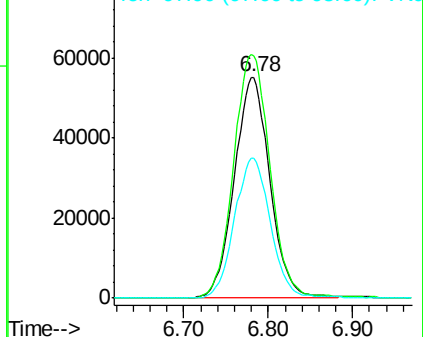
96 100

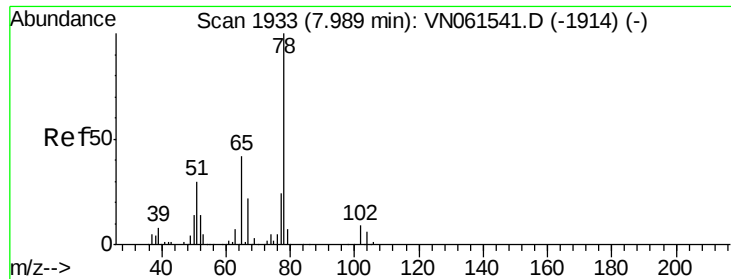
61 112.0 0.0 252.2

98 64.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

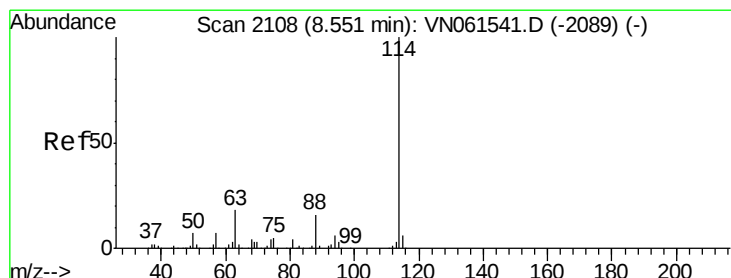
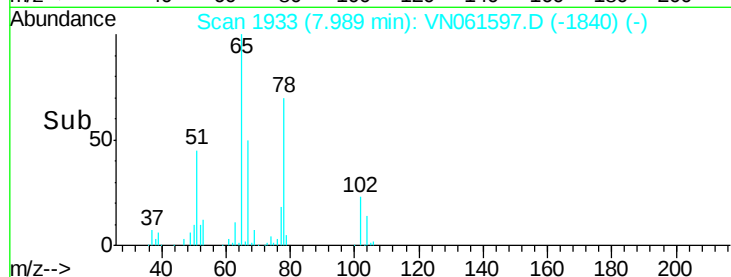
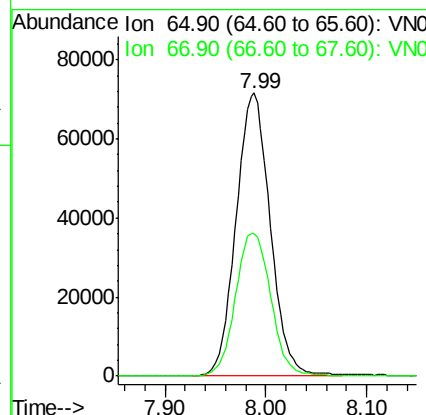
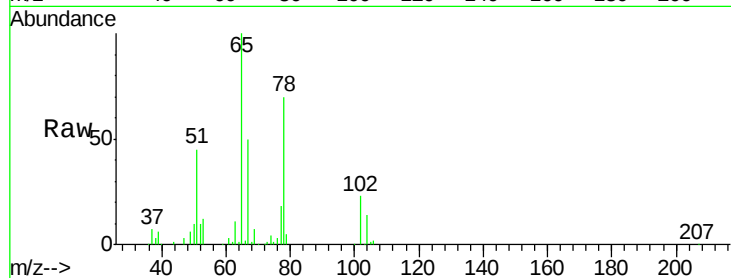




#33
 1,2-Dichloroethane-d4
 Concen: 50.594 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061597.D
 Acq: 1 Jun 2020 16:10

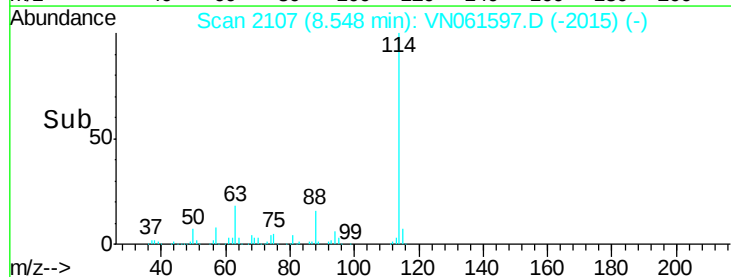
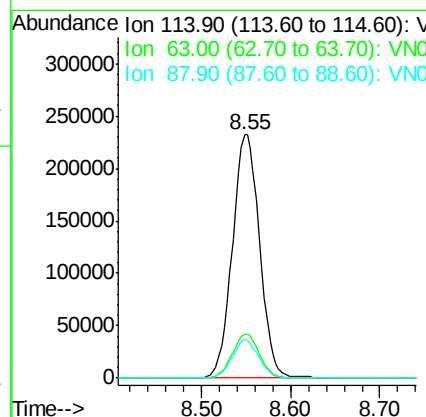
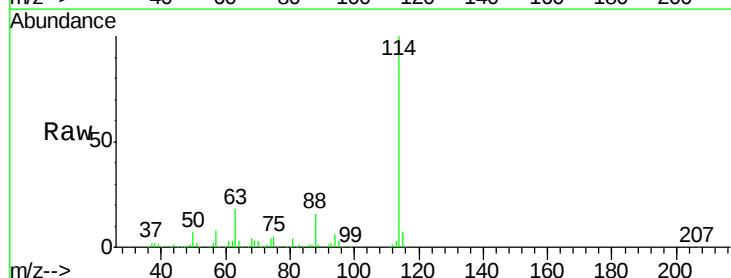
Instrument :
 MSVOA_N
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 WP022MW359-200527

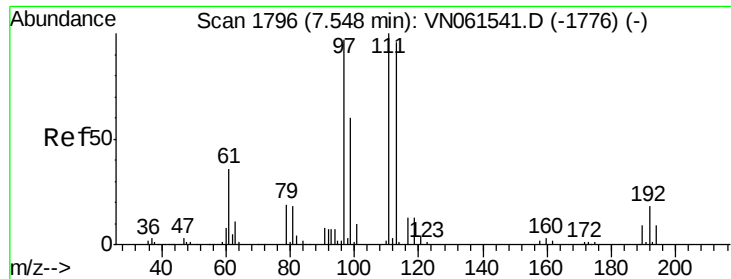
Tot Ion: 65 Resp: 168520
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061597.D
 Acq: 1 Jun 2020 16:10

Tgt Ion: 114 Resp: 491158
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.8
 88 15.7 0.0 31.0

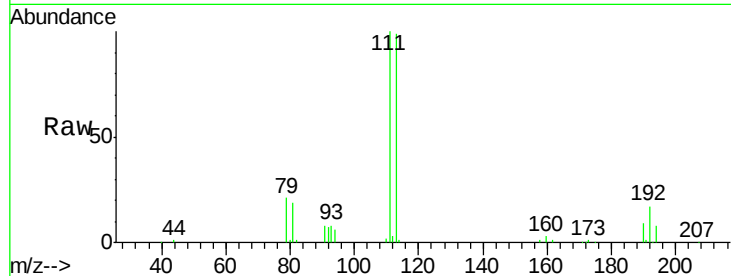




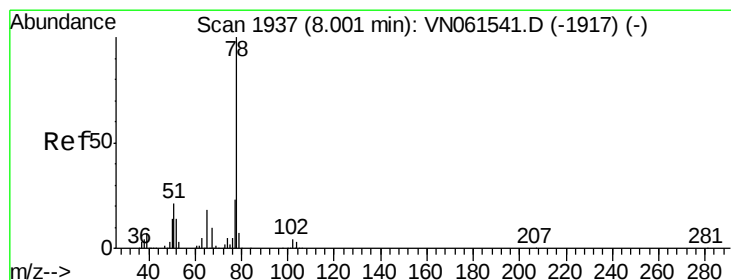
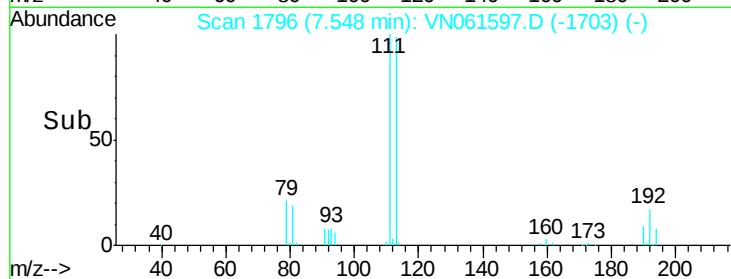
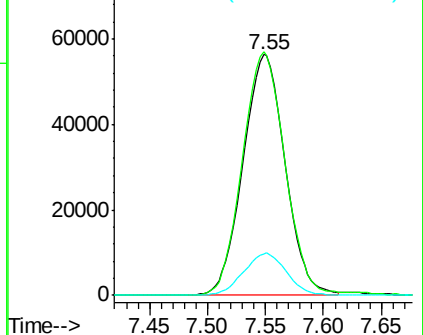
#35
 Dibromofluoromethane
 Concen: 57.214 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061597.D
 Acq: 1 Jun 2020 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW359-200527

Tot Ion:113 Resp: 142552
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.4 125.0
 192 17.7 15.4 23.2

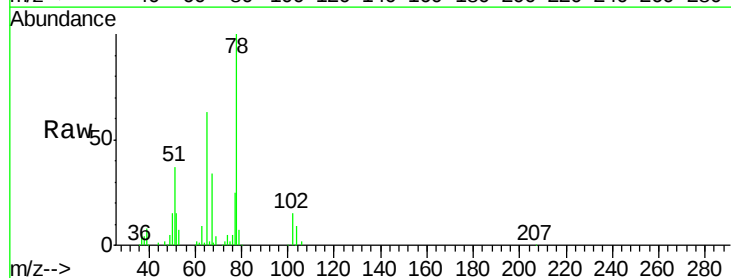


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

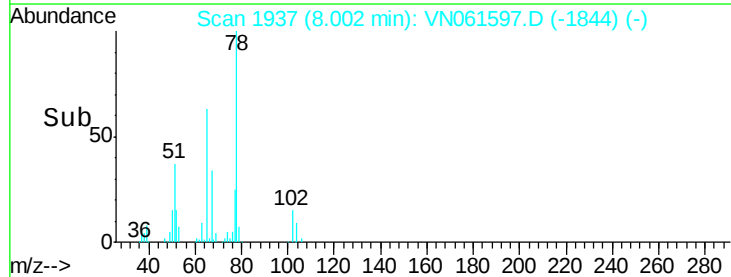
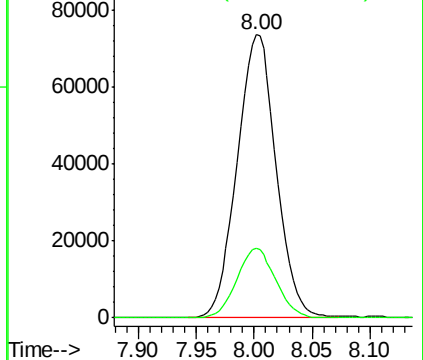


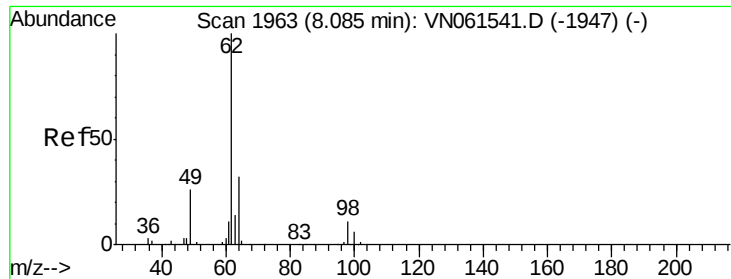
#40
 Benzene
 Concen: 12.884 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061597.D
 Acq: 1 Jun 2020 16:10

Tgt Ion: 78 Resp: 172842
 Ion Ratio Lower Upper
 78 100
 77 24.7 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): V
 Ion 77.00 (76.70 to 77.70): V





#42

1,2-Dichloroethane

Concen: 1.880 ug/l

RT: 8.08 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VN061597.D

Acq: 1 Jun 2020 16:10

Instrument :

MSVOA_N

ClientSampleId :

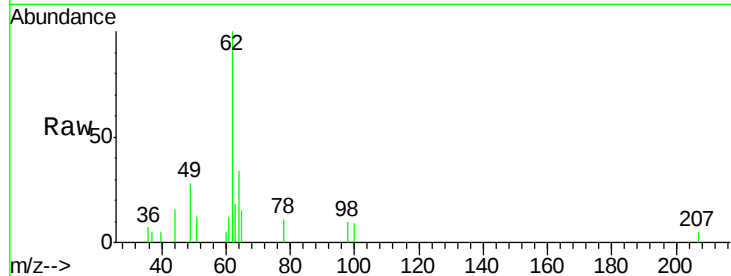
WP022MW359-200527

Tot Ion: 62 Resp: 8442

Ion Ratio Lower Upper

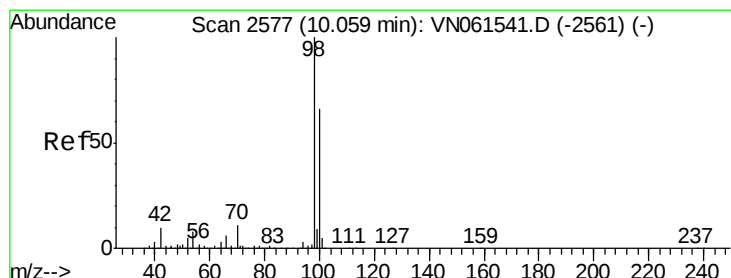
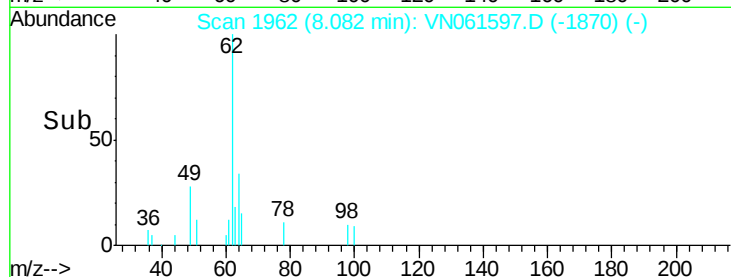
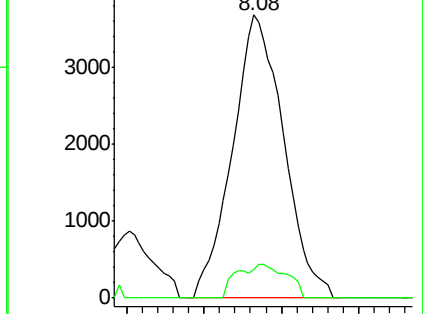
62 100

98 11.5 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#50

Toluene-d8

Concen: 51.697 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061597.D

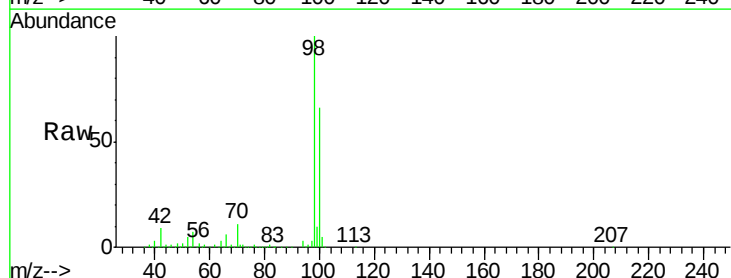
Acq: 1 Jun 2020 16:10

Tgt Ion: 98 Resp: 596902

Ion Ratio Lower Upper

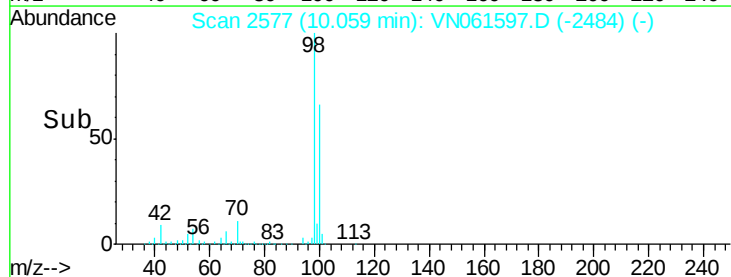
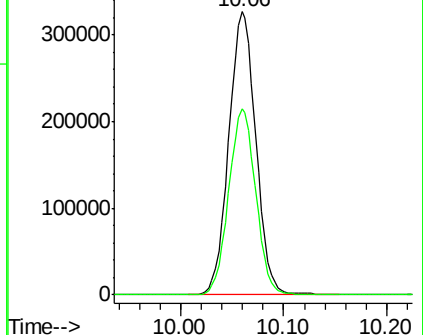
98 100

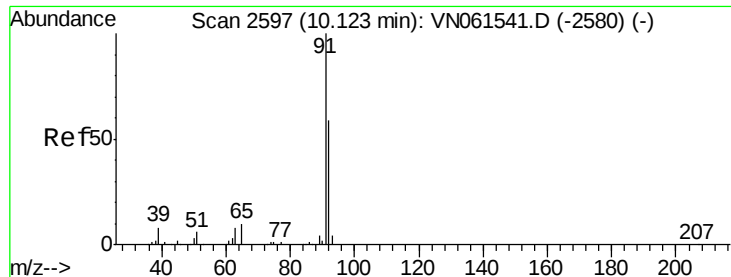
100 66.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VNC

Ion 100.00 (99.70 to 100.70): VNC





#52

Toluene

Concen: 1.652 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061597.D

Acq: 1 Jun 2020 16:10

Instrument :

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ClientSampleId :

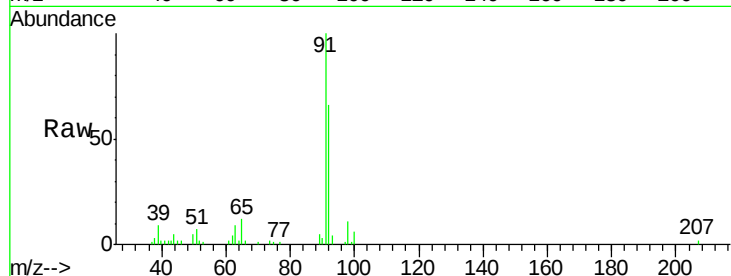
WP022MW359-200527

Tot Ion: 92 Resp: 14464

Ion Ratio Lower Upper

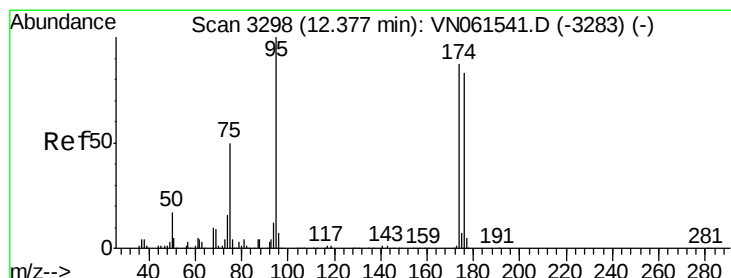
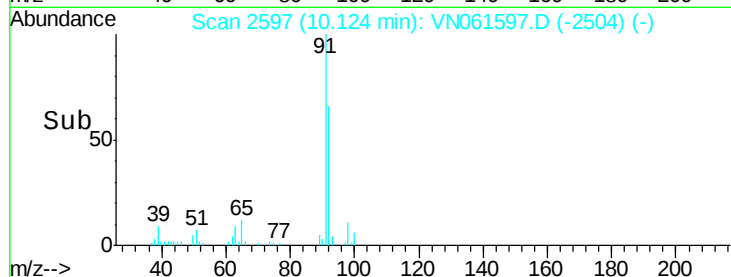
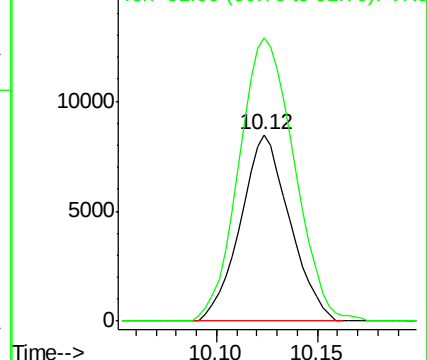
92 100

91 171.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN061597.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VN061597.D (-2504) (-)



#62

4-Bromofluorobenzene

Concen: 53.833 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061597.D

Acq: 1 Jun 2020 16:10

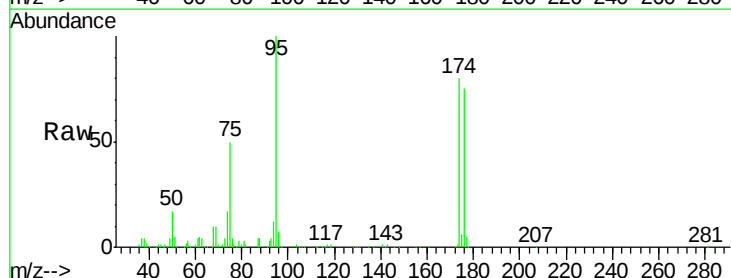
Tgt Ion: 95 Resp: 226770

Ion Ratio Lower Upper

95 100

174 81.0 0.0 172.8

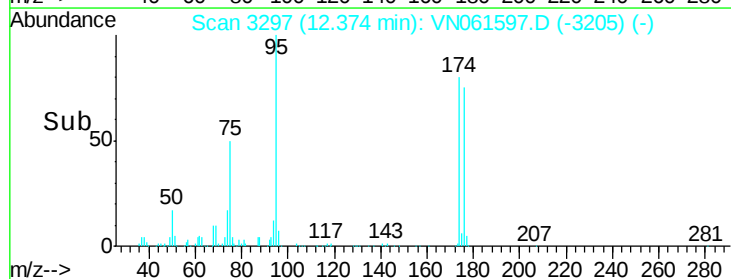
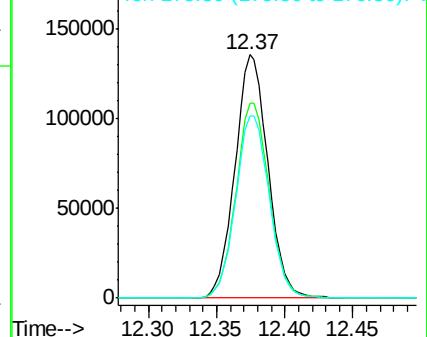
176 76.7 0.0 164.8

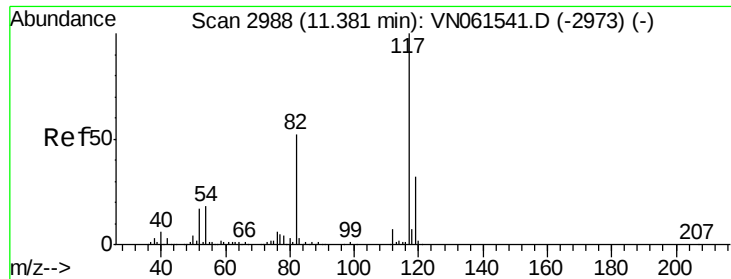


Abundance Ion 94.90 (94.60 to 95.60): VN061597.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061597.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061597.D (-3205) (-)

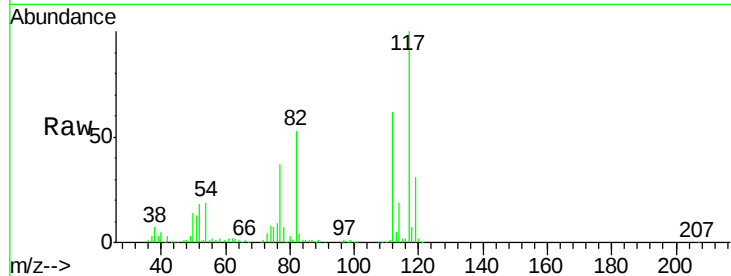




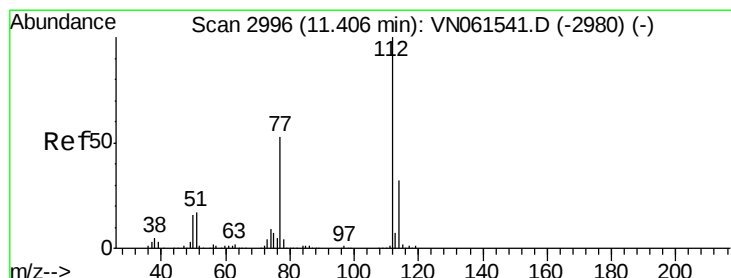
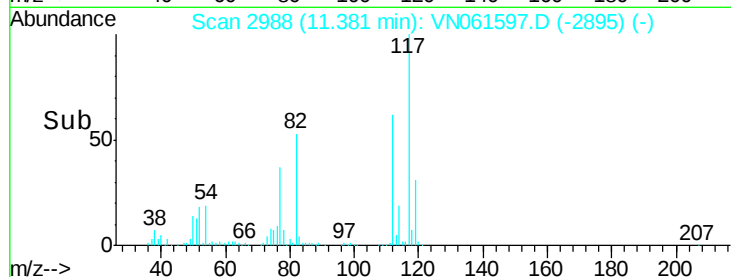
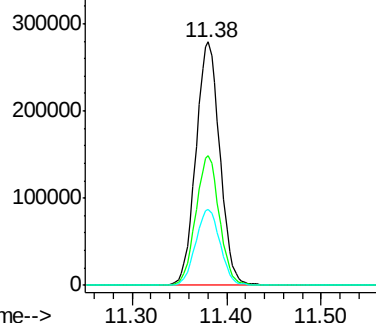
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061597.D
Acq: 1 Jun 2020 16:10

Instrument :
MSVOA_N
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Tot Ion:117 Resp: 490521
Ion Ratio Lower Upper
117 100
82 53.3 41.5 62.3
119 31.2 25.6 38.4

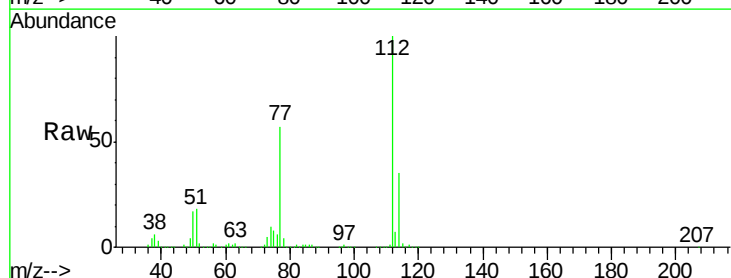


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

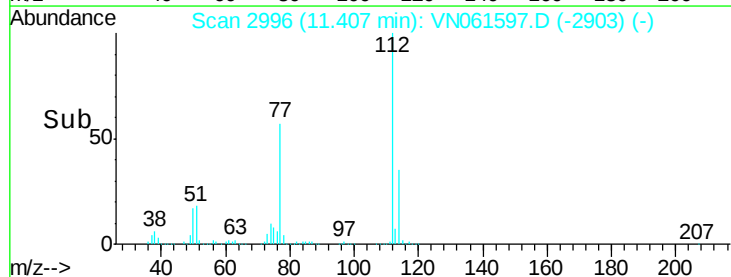
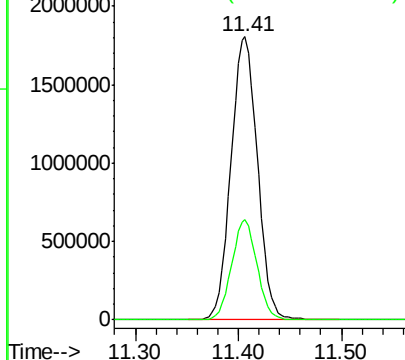


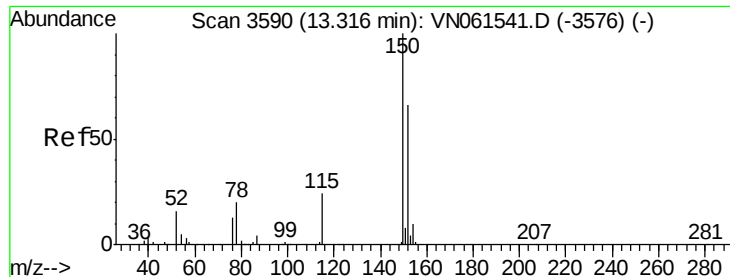
#65
Chlorobenzene
Concen: 316.753 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061597.D
Acq: 1 Jun 2020 16:10

Tgt Ion:112 Resp: 3229655
Ion Ratio Lower Upper
112 100
114 35.4 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061597.D

Acq: 1 Jun 2020 16:10

Instrument :

MSVOA_N

ClientSampleId :

WP022MW359-200527

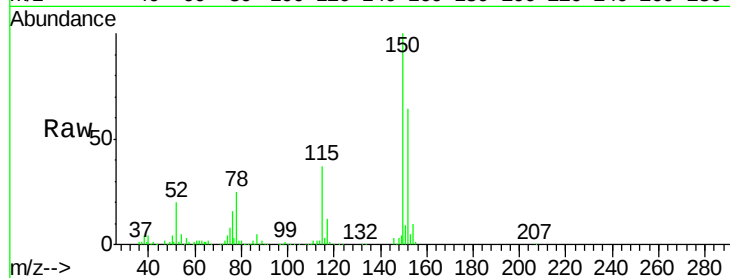
Tot Ion:152 Resp: 230972

Ion Ratio Lower Upper

152 100

115 58.6 28.0 84.0

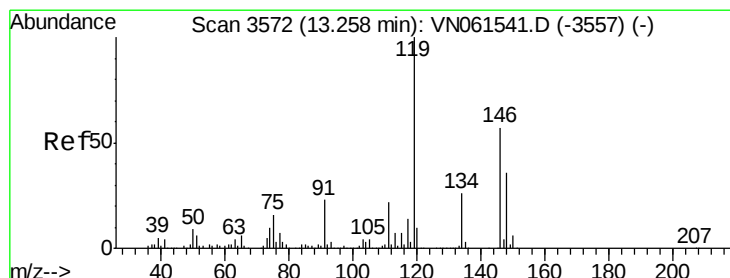
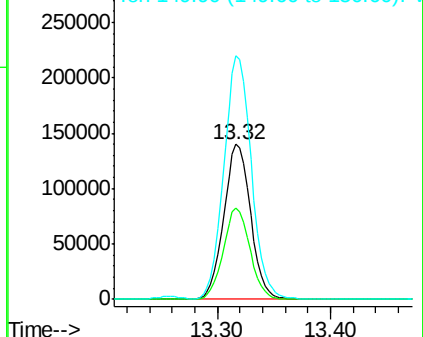
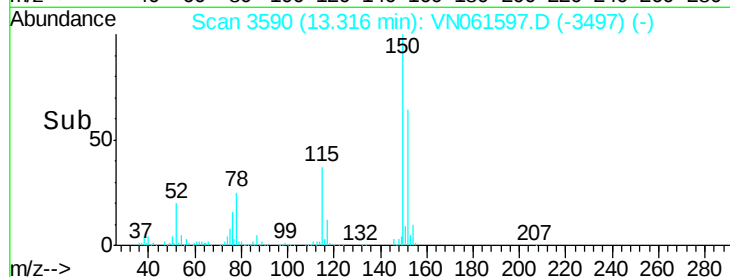
150 159.9 0.0 344.0



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



#87

1,3-Dichlorobenzene

Concen: 4.467 ug/l

RT: 13.26 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VN061597.D

Acq: 1 Jun 2020 16:10

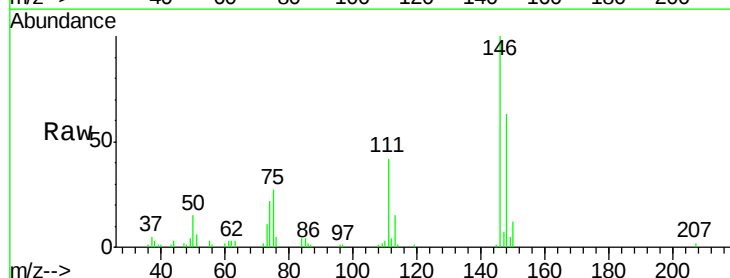
Tgt Ion:146 Resp: 34041

Ion Ratio Lower Upper

146 100

111 41.6 19.2 57.6

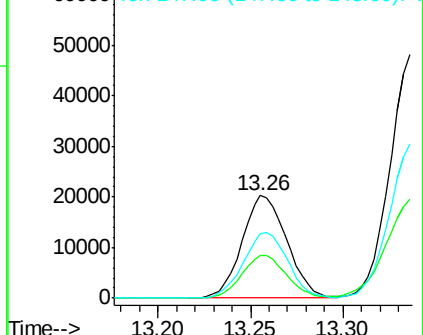
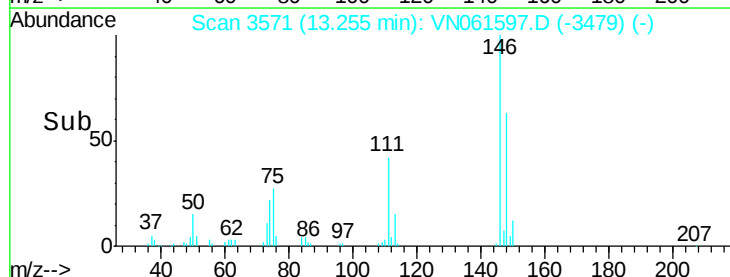
148 63.5 31.7 95.1

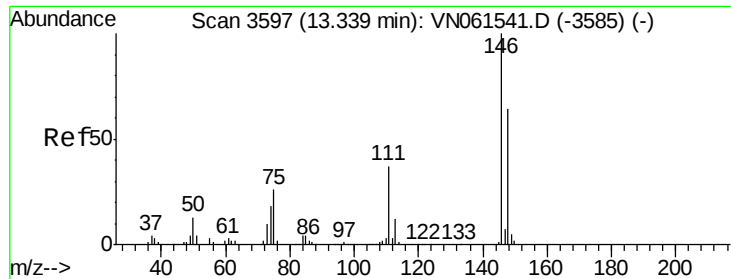


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

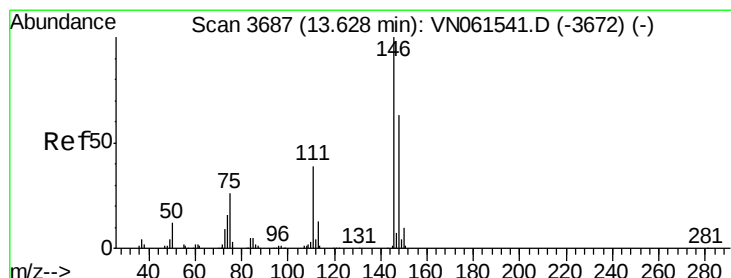
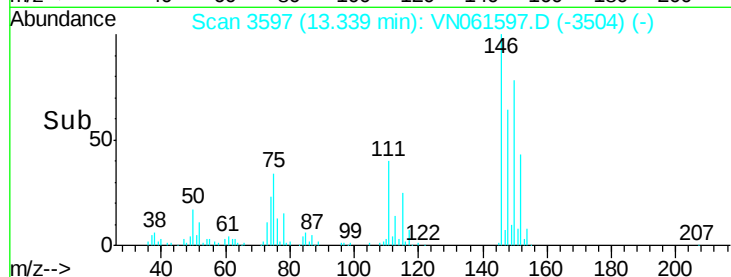
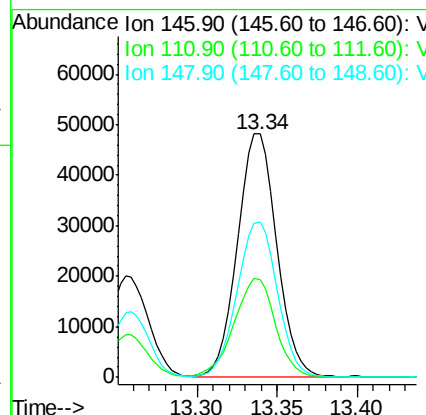
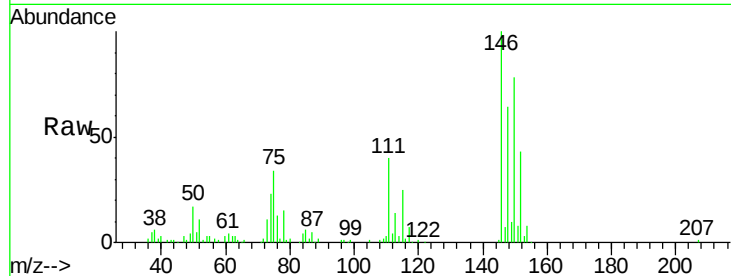




#88
 1,4-Dichlorobenzene
 Concen: 10.393 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061597.D
 Acq: 1 Jun 2020 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW359-200527

Tot Ion:146 Resp: 80675
 Ion Ratio Lower Upper
 146 100
 111 43.1 18.9 56.9
 148 65.6 31.8 95.3



#91
 1,2-Dichlorobenzene
 Concen: 12.347 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061597.D
 Acq: 1 Jun 2020 16:10

Tgt Ion:146 Resp: 89909
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.1 60.2
 148 63.0 31.9 95.5

