

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060120\
 Data File : VN061596.D
 Acq On : 1 Jun 2020 15:46
 Operator : JC/MD
 Sample : L2800-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW357-200527

Quant Time: Jun 02 04:43:37 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	287187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	505689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	503981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	234662	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	173815	50.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.60%		
35) Dibromofluoromethane	7.55	113	148012	57.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	115.40%		
50) Toluene-d8	10.06	98	611450	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.88%		
62) 4-Bromofluorobenzene	12.37	95	232855	53.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.38%		

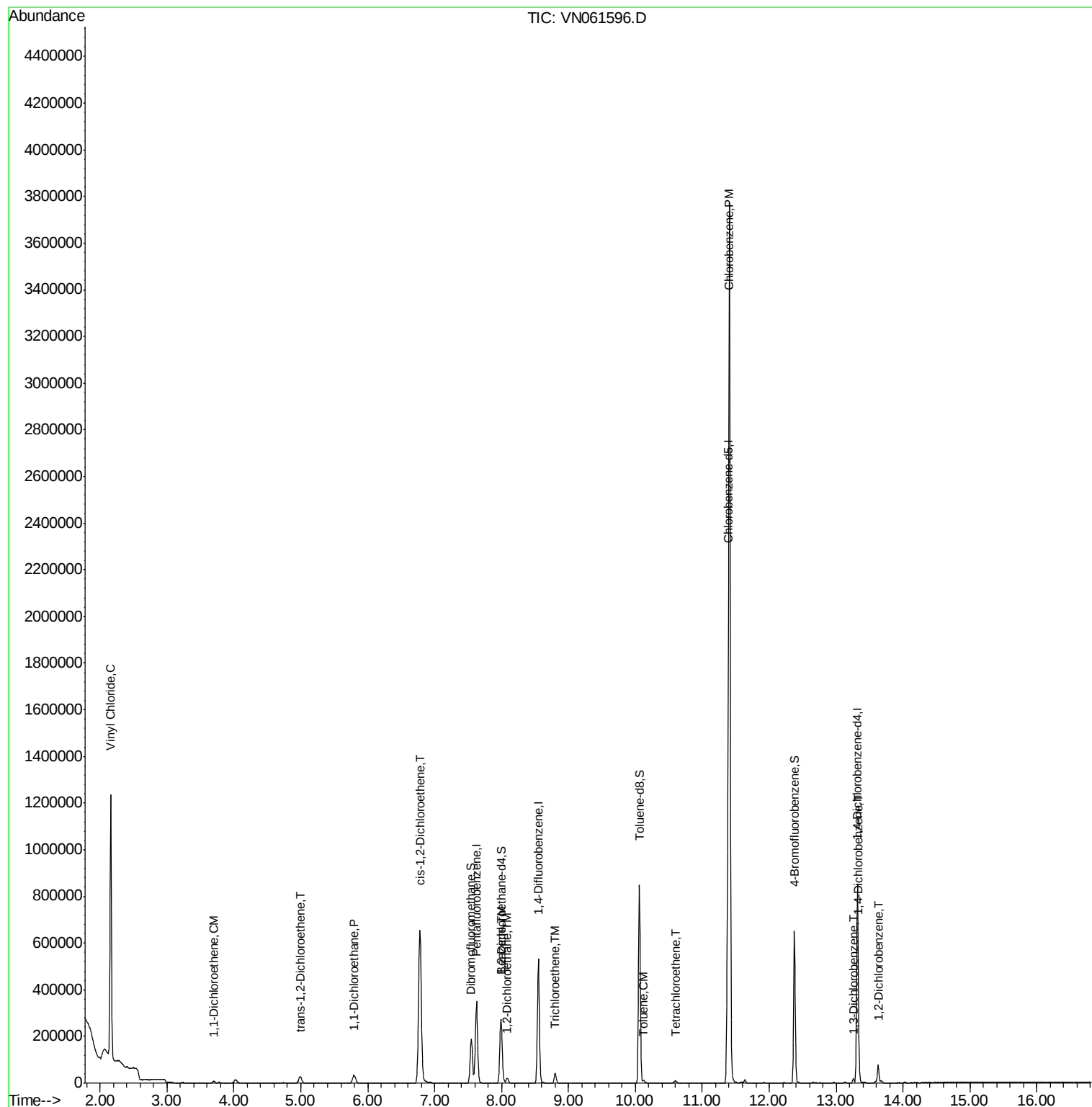
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	1004844	209.340	ug/l	99
12) 1,1-Dichloroethene	3.70	96	3968	1.352	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	19294	5.830	ug/l	93
24) 1,1-Dichloroethane	5.79	63	51453	9.596	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	469662	125.329	ug/l	92
40) Benzene	8.00	78	106883	7.738	ug/l	97
42) 1,2-Dichloroethane	8.08	62	19579	4.234	ug/l	97
44) Trichloroethene	8.80	130	15749	3.710	ug/l	94
52) Toluene	10.13	92	4387	0.487	ug/l	95
64) Tetrachloroethene	10.60	164	2372	0.500	ug/l	90
65) Chlorobenzene	11.41	112	2165148	206.679	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	7713	0.996	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	35568	4.510	ug/l	92
91) 1,2-Dichlorobenzene	13.63	146	34439	4.655	ug/l	98

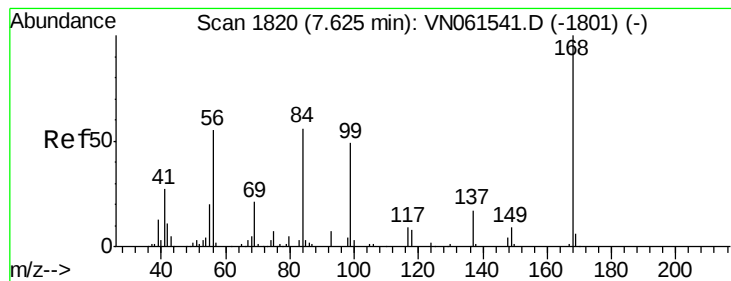
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061596.D

Acq: 1 Jun 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

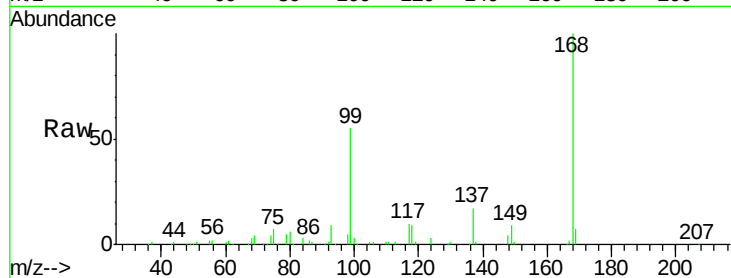
WP022MW357-200527

Tot Ion:168 Resp: 287187

Ion Ratio Lower Upper

168 100

99 55.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

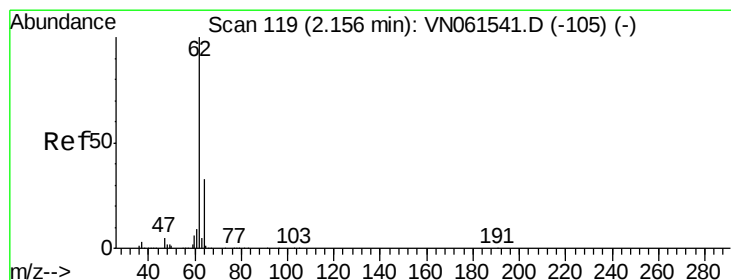
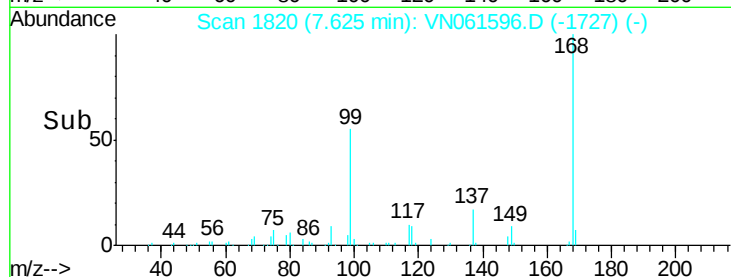
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 209.340 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061596.D

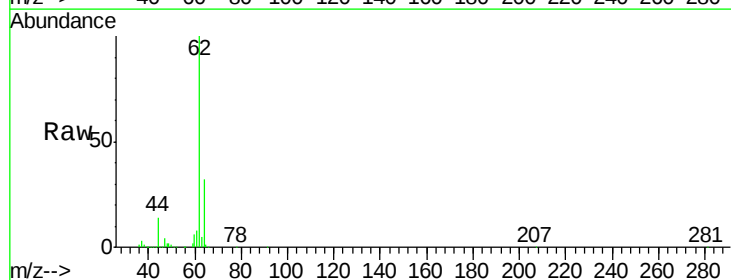
Acq: 1 Jun 2020 15:46

Tgt Ion: 62 Resp: 1004844

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

800000

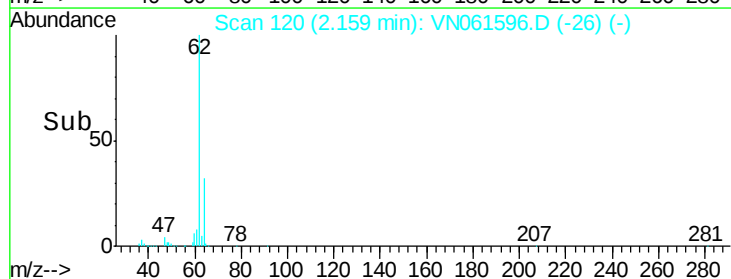
600000

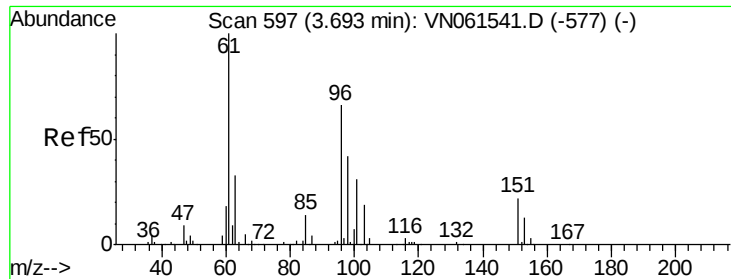
400000

200000

0

Time--> 2.10 2.20 2.30

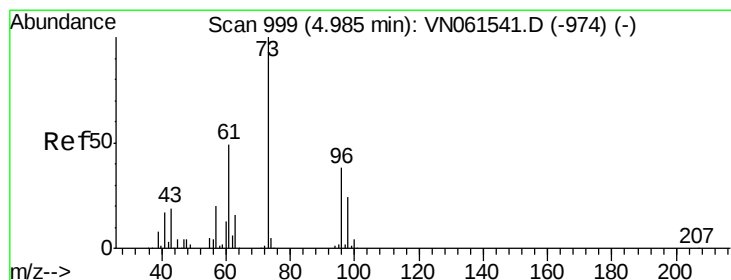
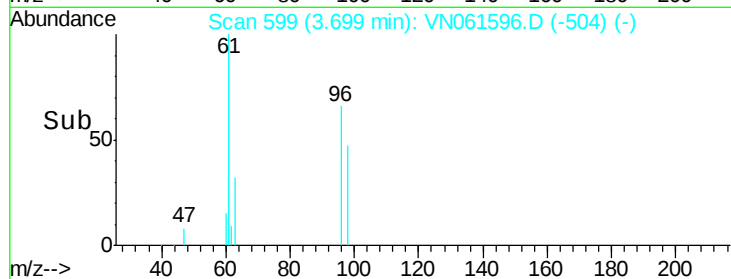
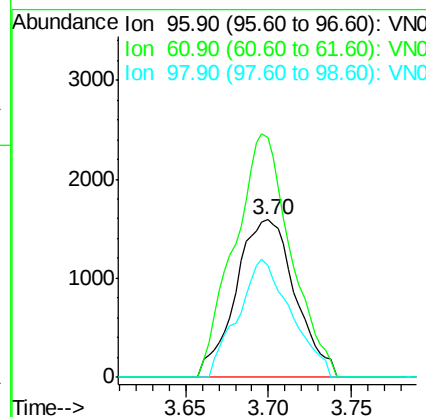
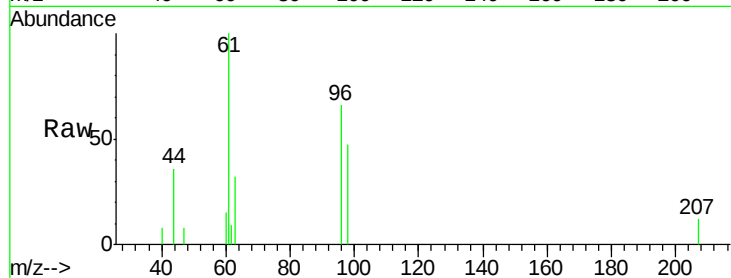




#12
 1,1-Dichloroethene
 Concen: 1.352 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.01 min
 Lab File: VN061596.D
 Acq: 1 Jun 2020 15:46

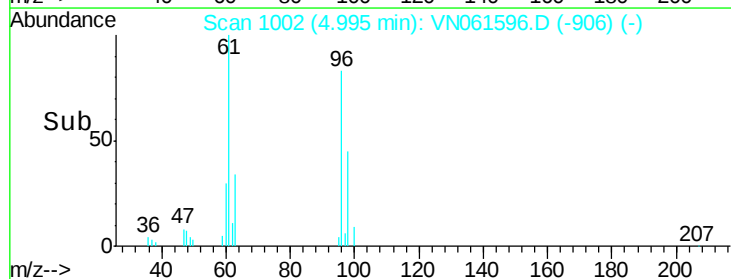
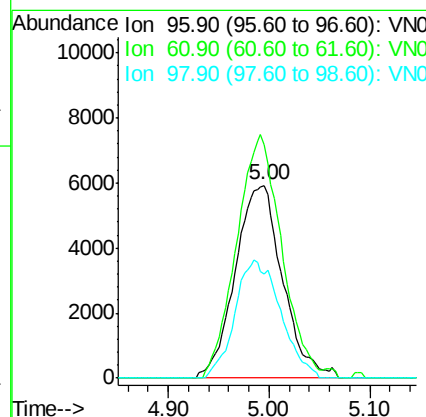
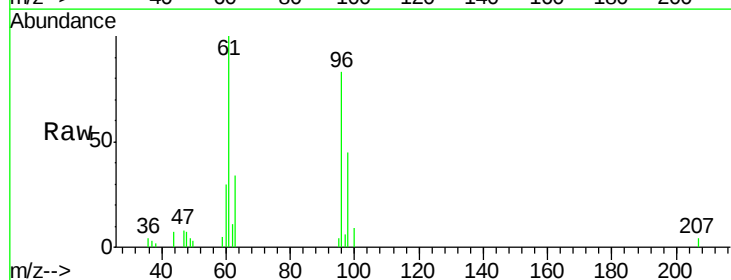
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW357-200527

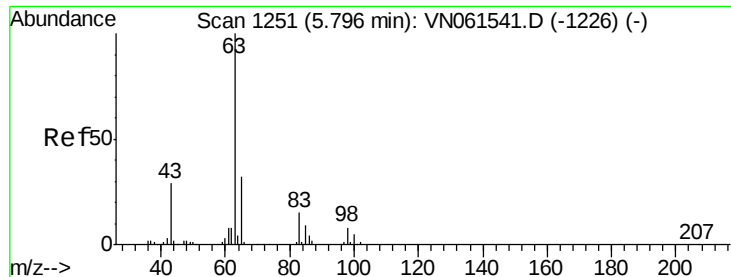
Tot Ion: 96 Resp: 3968
 Ion Ratio Lower Upper
 96 100
 61 151.9 120.5 180.7
 98 70.9 50.8 76.2



#21
 trans-1,2-Dichloroethene
 Concen: 5.830 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN061596.D
 Acq: 1 Jun 2020 15:46

Tgt Ion: 96 Resp: 19294
 Ion Ratio Lower Upper
 96 100
 61 120.7 101.4 152.0
 98 54.2 50.6 76.0





#24

1,1-Dichloroethane

Concen: 9.596 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061596.D

Acq: 1 Jun 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

WP022MW357-200527

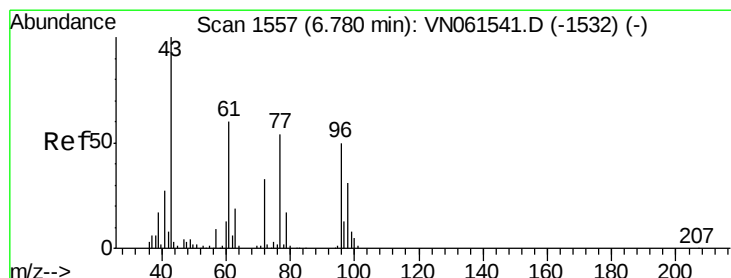
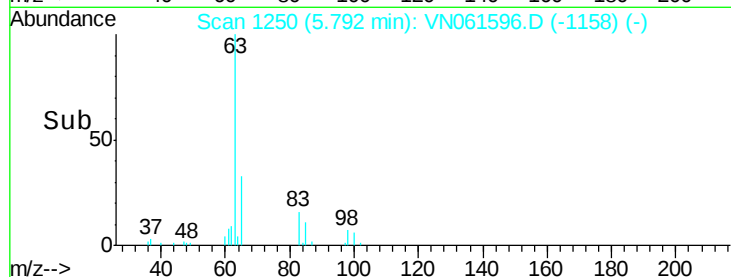
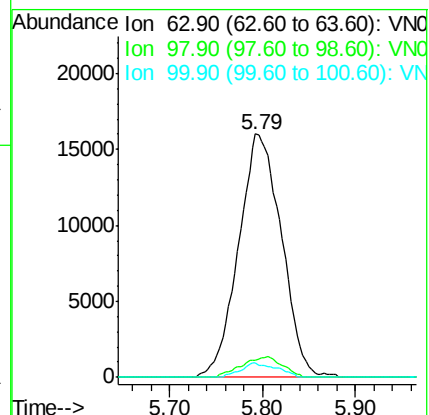
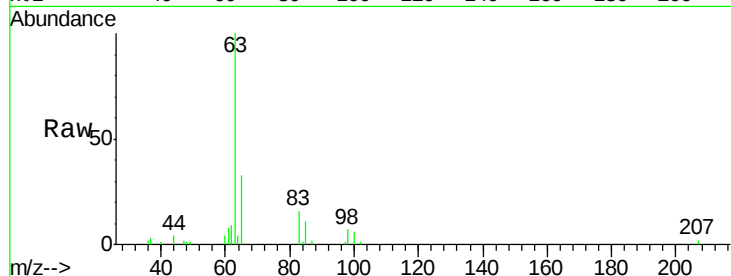
Tot Ion: 63 Resp: 51453

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

100 5.7 2.5 7.6



#27

cis-1,2-Dichloroethene

Concen: 125.329 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061596.D

Acq: 1 Jun 2020 15:46

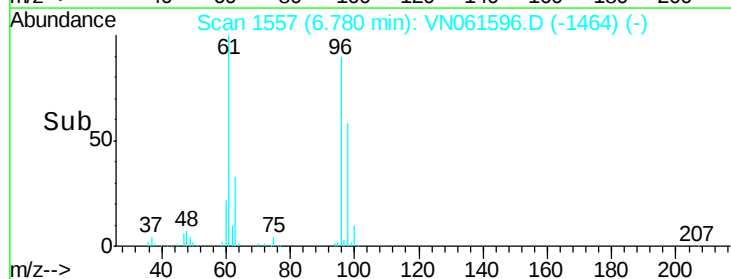
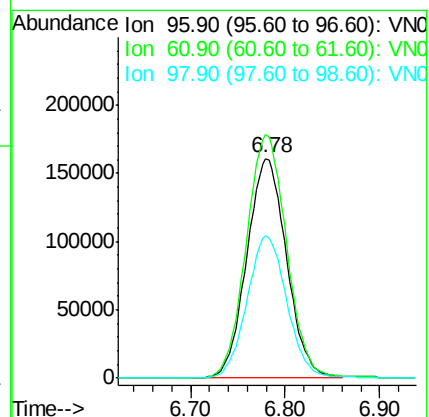
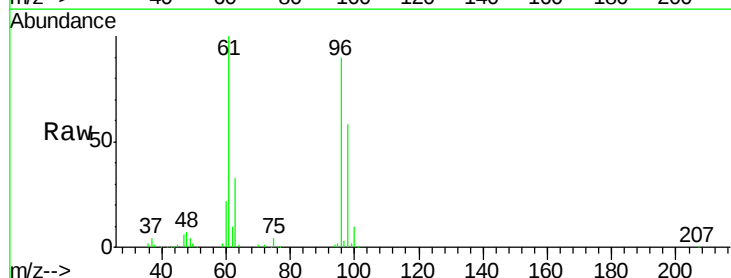
Tgt Ion: 96 Resp: 469662

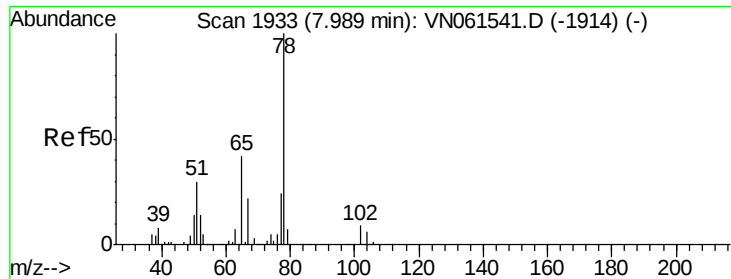
Ion Ratio Lower Upper

96 100

61 112.7 0.0 252.2

98 65.1 0.0 129.2





#33

1,2-Dichloroethane-d4

Concen: 50.799 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061596.D

Acq: 1 Jun 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

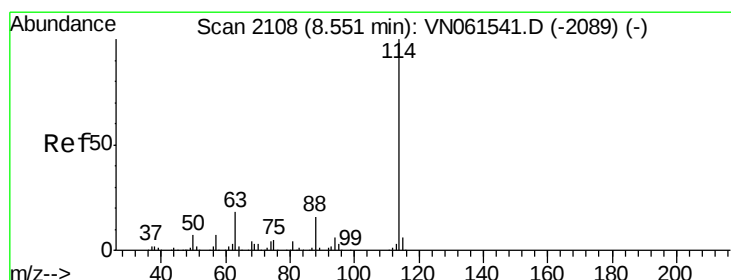
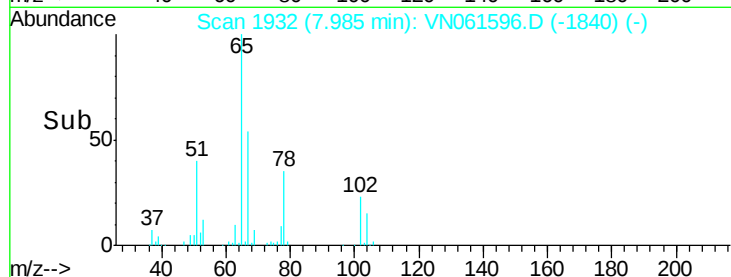
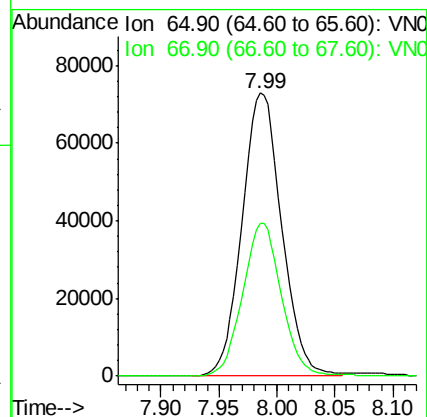
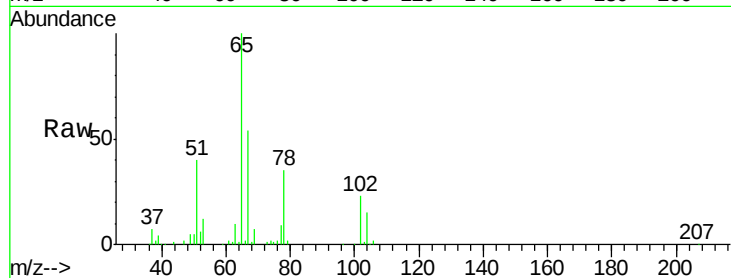
WP022MW357-200527

Tot Ion: 65 Resp: 173815

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061596.D

Acq: 1 Jun 2020 15:46

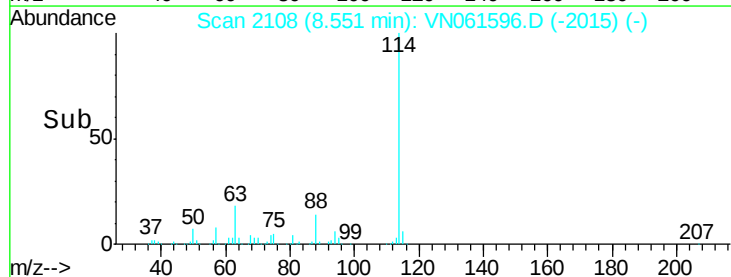
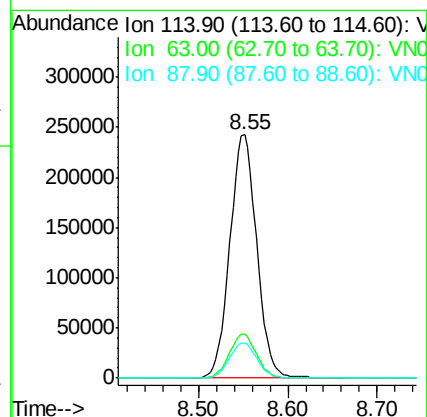
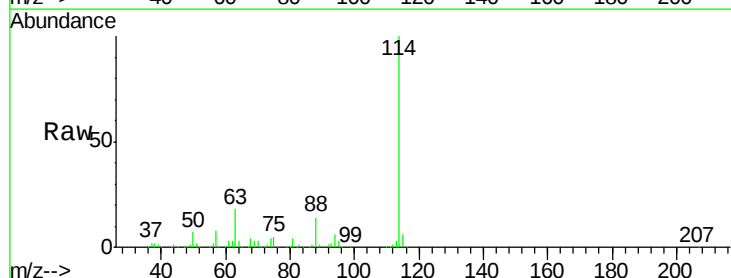
Tgt Ion: 114 Resp: 505689

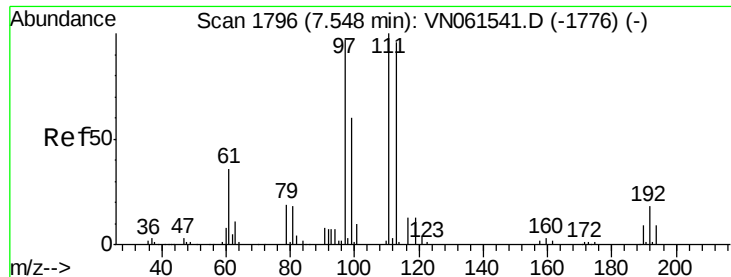
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.8

88 14.5 0.0 31.0

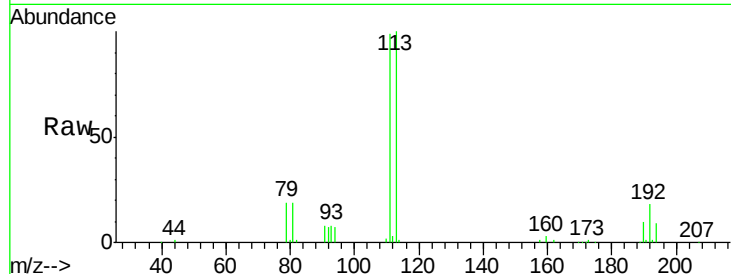




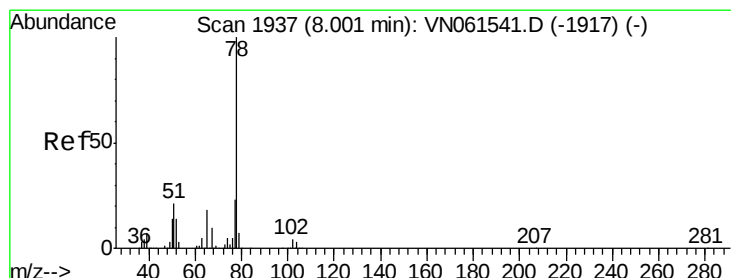
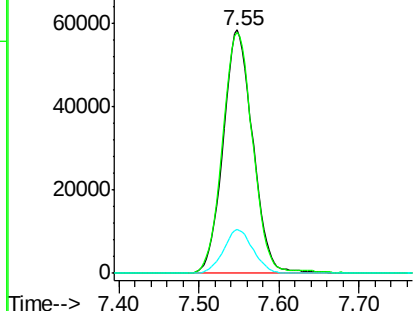
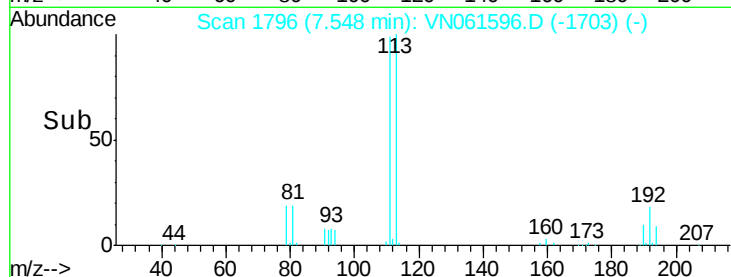
#35
 Dibromofluoromethane
 Concen: 57.698 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061596.D
 Acq: 1 Jun 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW357-200527

Tot Ion:113 Resp: 148012
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.4 125.0
 192 17.8 15.4 23.2

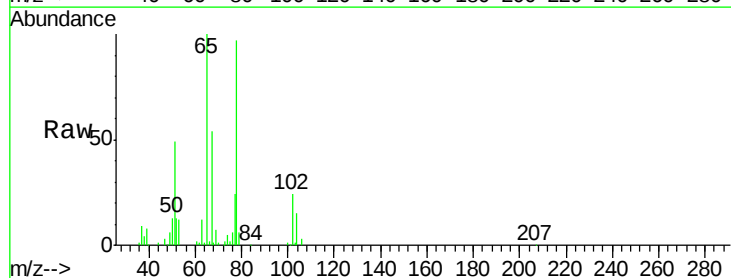


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

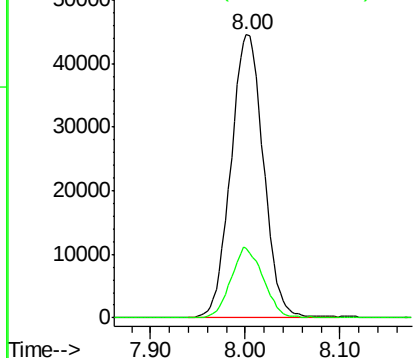
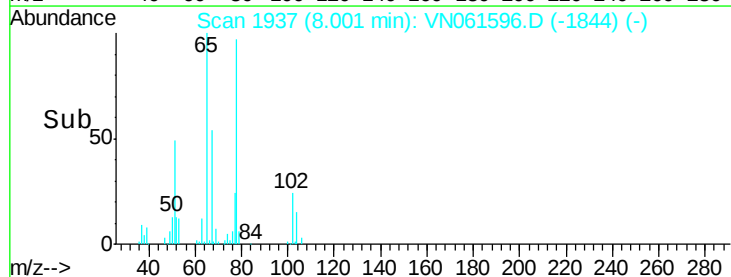


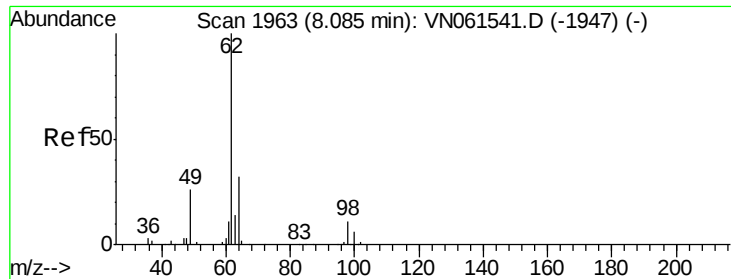
#40
 Benzene
 Concen: 7.738 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061596.D
 Acq: 1 Jun 2020 15:46

Tgt Ion: 78 Resp: 106883
 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: 4.234 ug/l

RT: 8.08 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VN061596.D

Acq: 1 Jun 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

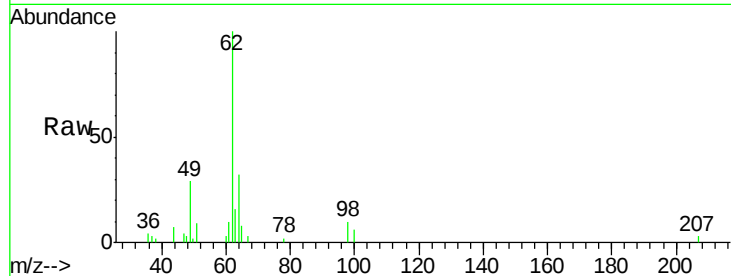
WP022MW357-200527

Tot Ion: 62 Resp: 19579

Ion Ratio Lower Upper

62 100

98 9.6 0.0 21.4

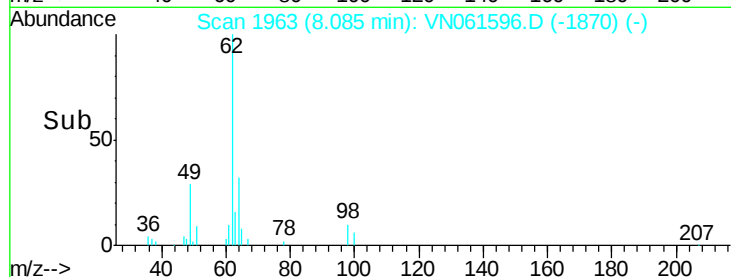


Abundance Ion 61.90 (61.60 to 62.60): VN061541.D (-1947) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-1947) (-)

8.08

Time-->

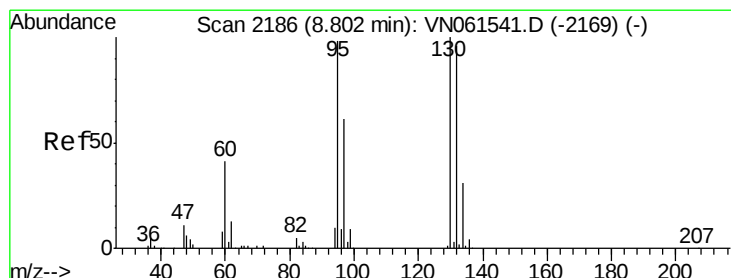


Abundance Ion 61.90 (61.60 to 62.60): VN061596.D (-1870) (-)

Ion 97.90 (97.60 to 98.60): VN061596.D (-1870) (-)

8.08

Time-->



#44

Trichloroethene

Concen: 3.710 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061596.D

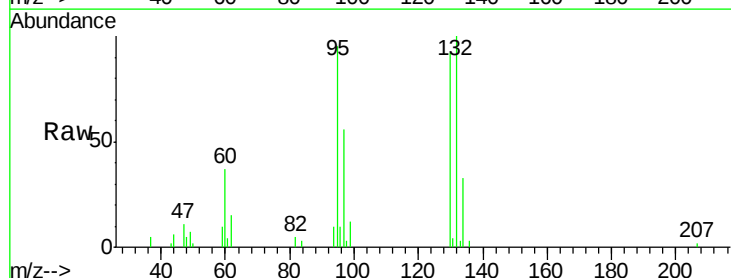
Acq: 1 Jun 2020 15:46

Tgt Ion: 130 Resp: 15749

Ion Ratio Lower Upper

130 100

95 104.0 0.0 196.6

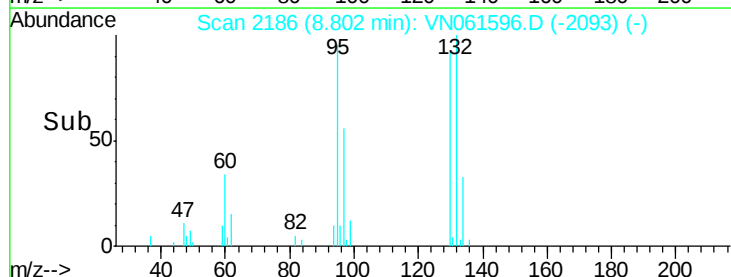


Abundance Ion 129.80 (129.50 to 130.50): VN061541.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061541.D (-2169) (-)

8.80

Time-->

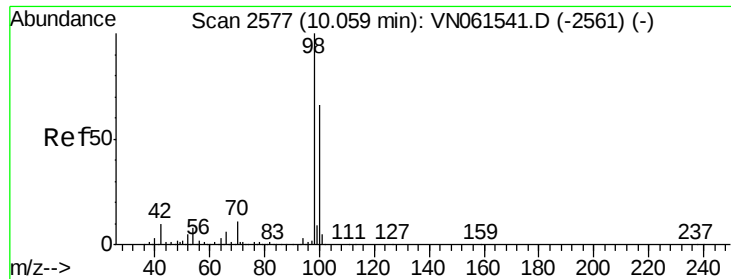


Abundance Ion 129.80 (129.50 to 130.50): VN061596.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061596.D (-2093) (-)

8.80

Time-->



#50

Toluene-d8

Concen: 51.435 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061596.D

Acq: 1 Jun 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

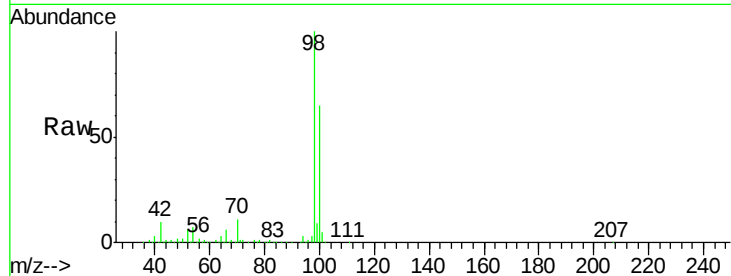
WP022MW357-200527

Tot Ion: 98 Resp: 611450

Ion Ratio Lower Upper

98 100

100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061541.D (-2561) (-)

10.06

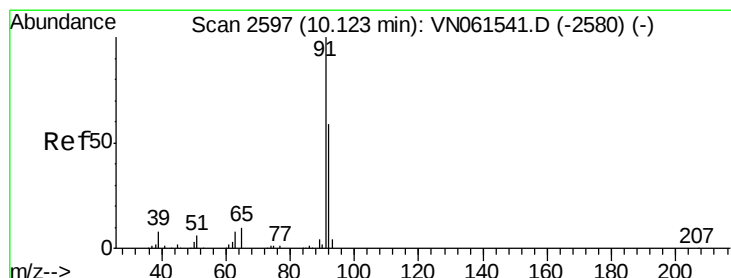
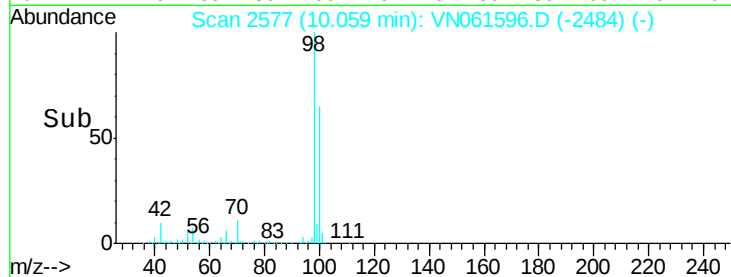
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.487 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061596.D

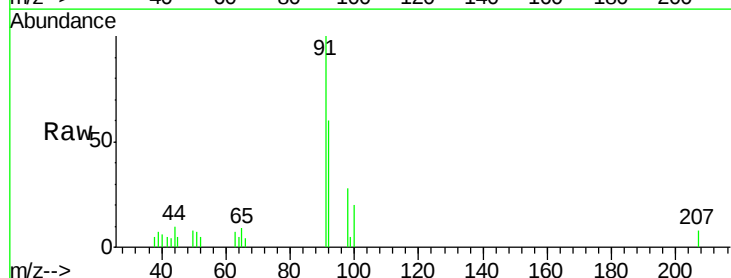
Acq: 1 Jun 2020 15:46

Tgt Ion: 92 Resp: 4387

Ion Ratio Lower Upper

92 100

91 163.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN061541.D (-2580) (-)

Ion 91.00 (90.70 to 91.70): VN061541.D (-2580) (-)

10.13

4000

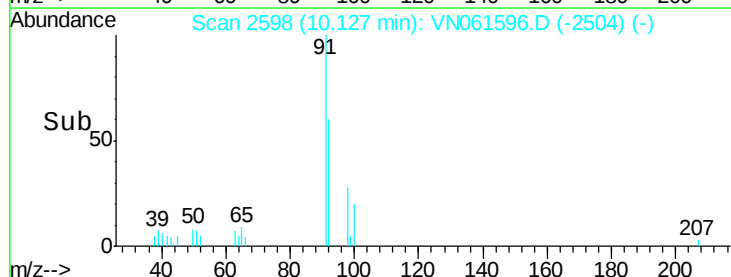
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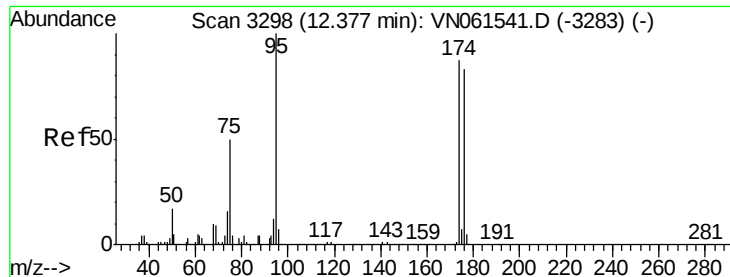
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1000

0

Time-->

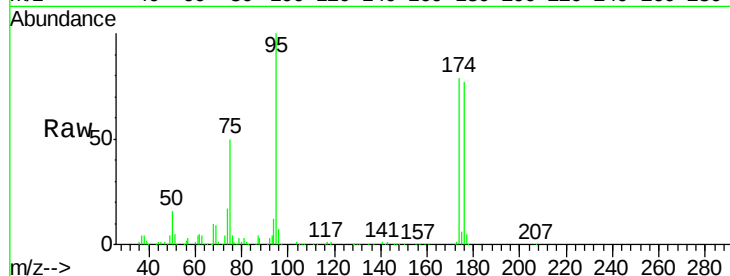




#62
4-Bromofluorobenzene
Concen: 53.689 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061596.D
Acq: 1 Jun 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
WP022MW357-200527

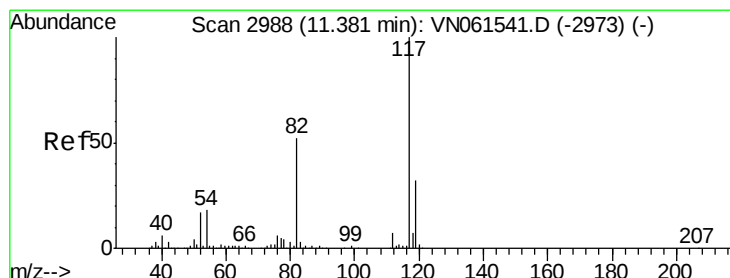
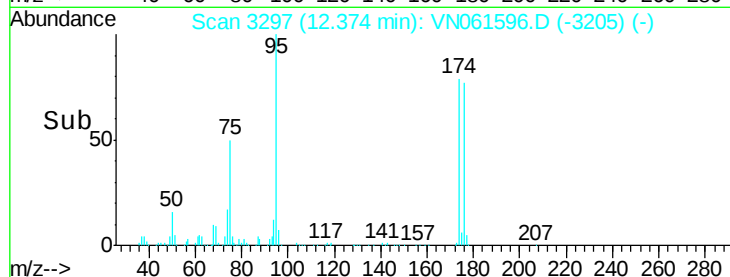
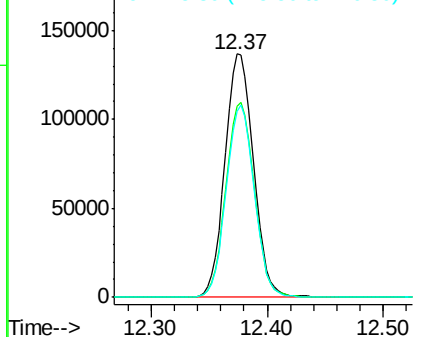
Tot Ion	95	Resp	232855
Ion Ratio	Lower	Upper	
95	100		
174	79.8	0.0	172.8
176	77.7	0.0	164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061596.D (-3205) (-)

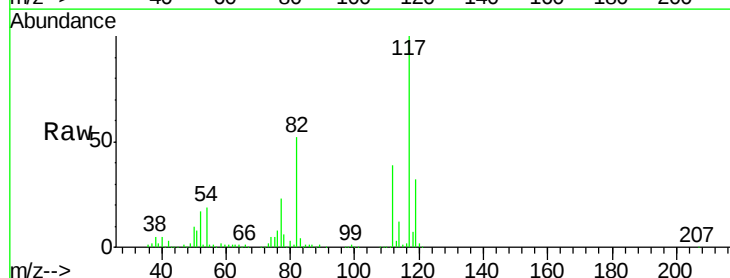
Ion 173.80 (173.50 to 174.50): VN061596.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061596.D (-3205) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061596.D
Acq: 1 Jun 2020 15:46

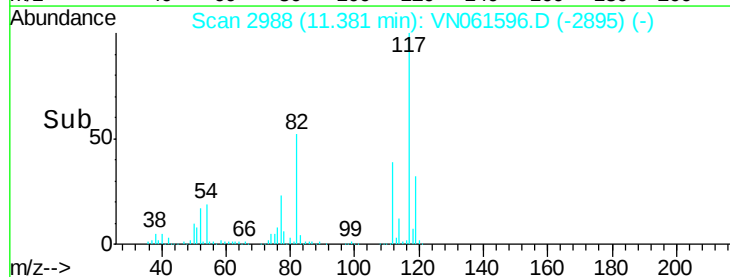
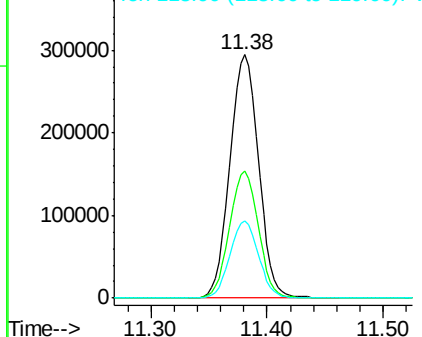
Tgt Ion	117	Resp	503981
Ion Ratio	Lower	Upper	
117	100		
82	52.2	41.5	62.3
119	31.9	25.6	38.4

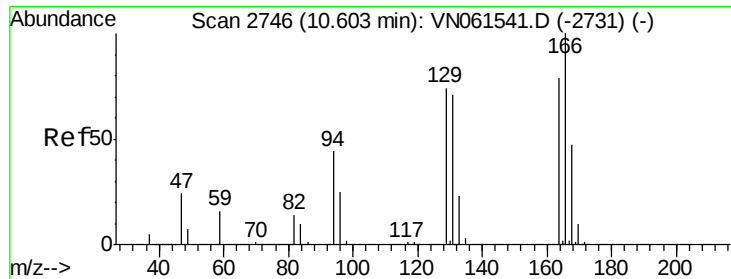


Abundance Ion 116.90 (116.60 to 117.60): VN061596.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061596.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061596.D (-2895) (-)





#64

Tetrachloroethene

Concen: 0.500 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061596.D

Acq: 1 Jun 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

WP022MW357-200527

Tot Ion:164 Resp: 2372

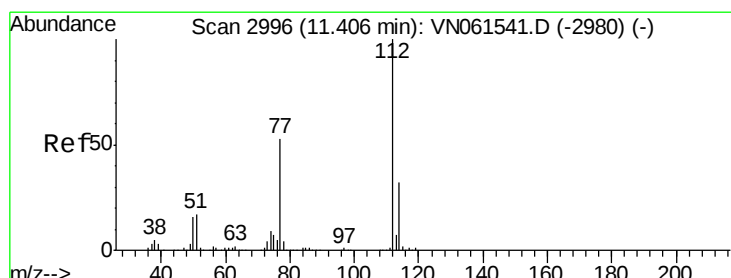
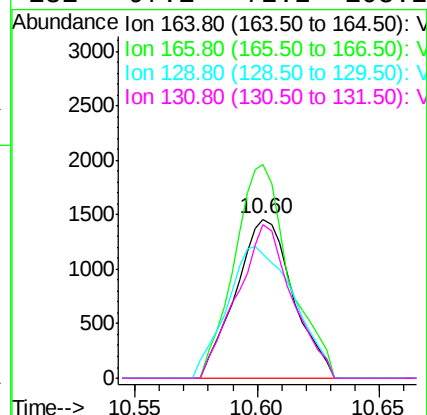
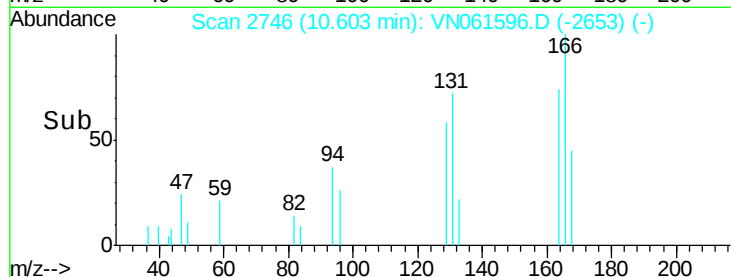
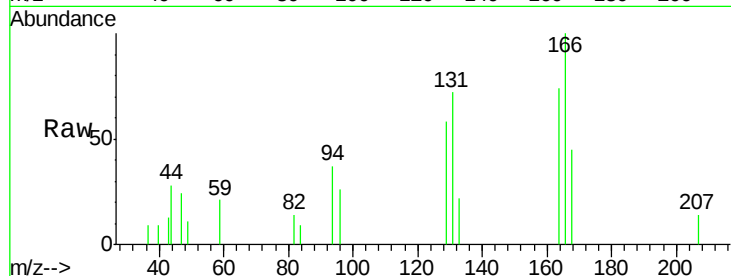
Ion Ratio Lower Upper

164 100

166 134.4 101.5 152.3

129 77.9 74.9 112.3

131 97.1 72.2 108.2



#65

Chlorobenzene

Concen: 206.679 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061596.D

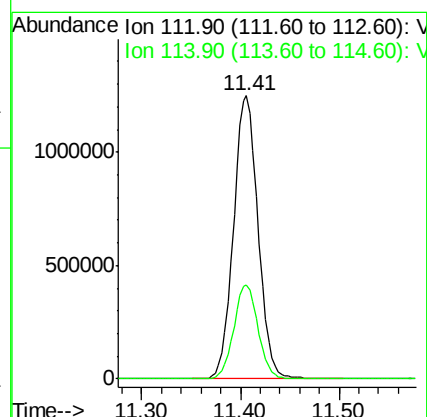
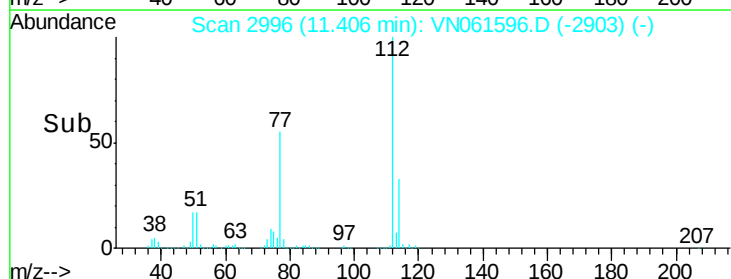
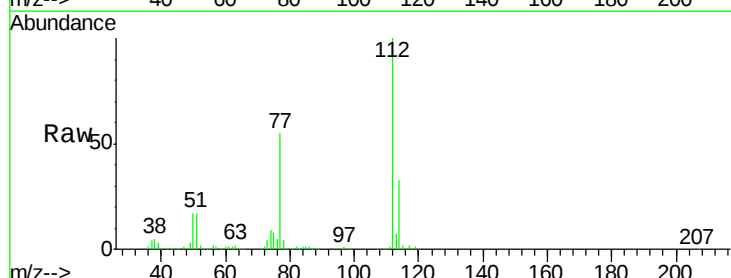
Acq: 1 Jun 2020 15:46

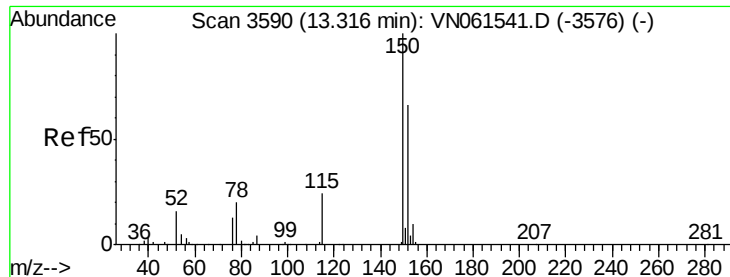
Tgt Ion:112 Resp: 2165148

Ion Ratio Lower Upper

112 100

114 33.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061596.D

Acq: 1 Jun 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

WP022MW357-200527

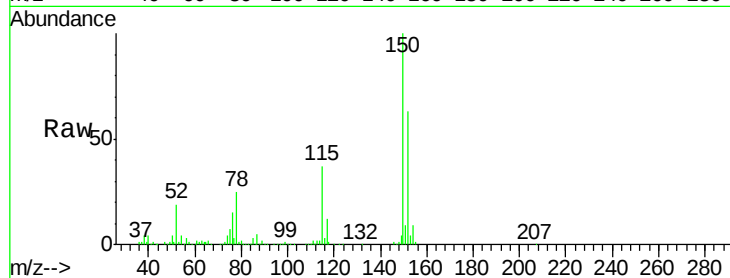
Tot Ion:152 Resp: 234662

Ion Ratio Lower Upper

152 100

115 58.2 28.0 84.0

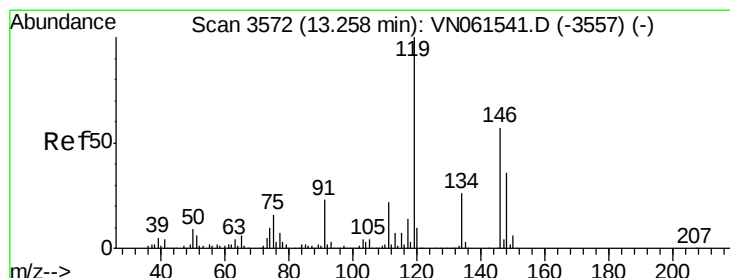
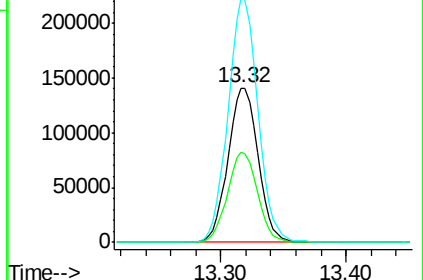
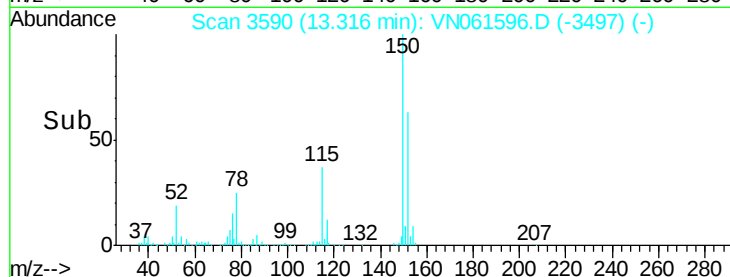
150 156.1 0.0 344.0



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: 0.996 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061596.D

Acq: 1 Jun 2020 15:46

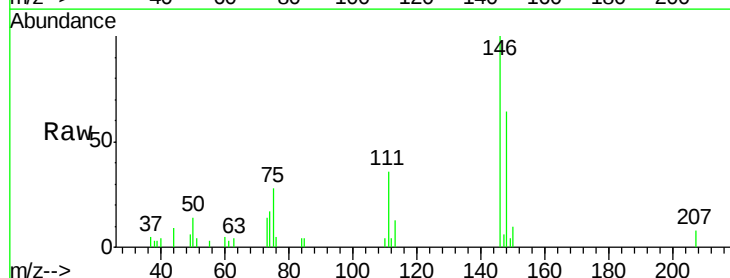
Tgt Ion:146 Resp: 7713

Ion Ratio Lower Upper

146 100

111 40.5 19.2 57.6

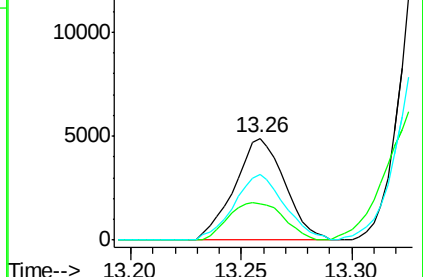
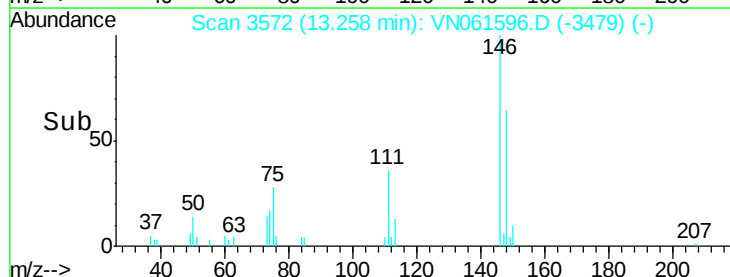
148 64.8 31.7 95.1

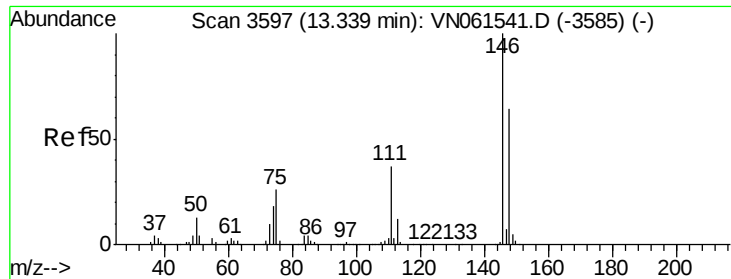


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

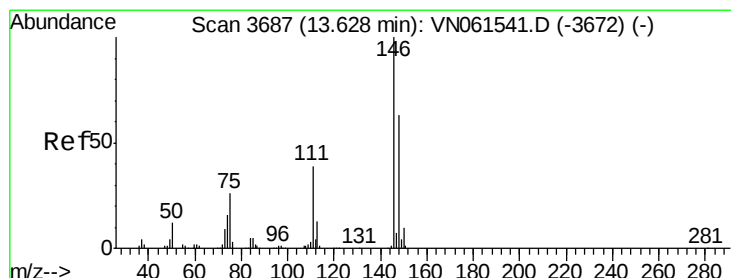
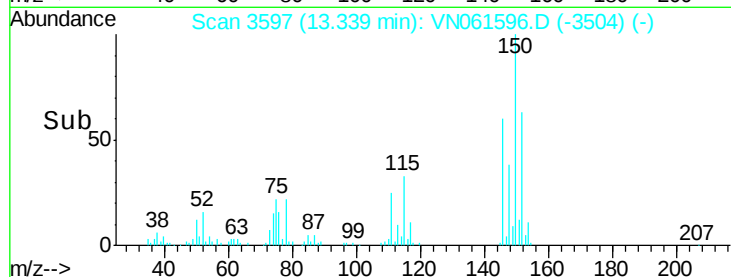
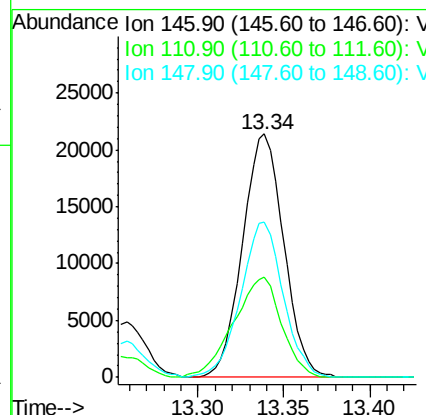
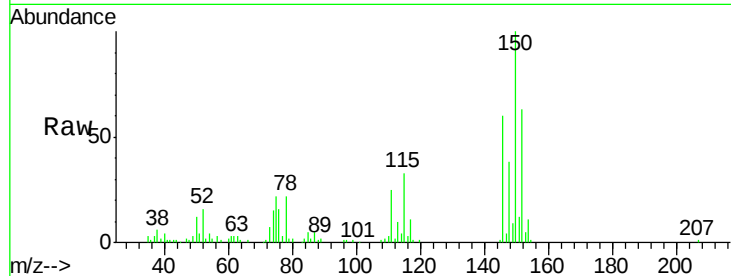




#88
 1,4-Dichlorobenzene
 Concen: 4.510 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061596.D
 Acq: 1 Jun 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW357-200527

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	18.9	56.9
148	65.8	31.8	95.3



#91
 1,2-Dichlorobenzene
 Concen: 4.655 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061596.D
 Acq: 1 Jun 2020 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.2
148	61.7	31.9	95.5

