

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056122.D
 Acq On : 8 Jun 2019 1:11
 Operator : JC/SP
 Sample : K3223-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW014-190605

Quant Time: Jun 08 07:16:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	332916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	499832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	477980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162759	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	170084	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
35) Dibromofluoromethane	7.59	113	154137	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	10.09	98	627717	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.40	95	206231	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	

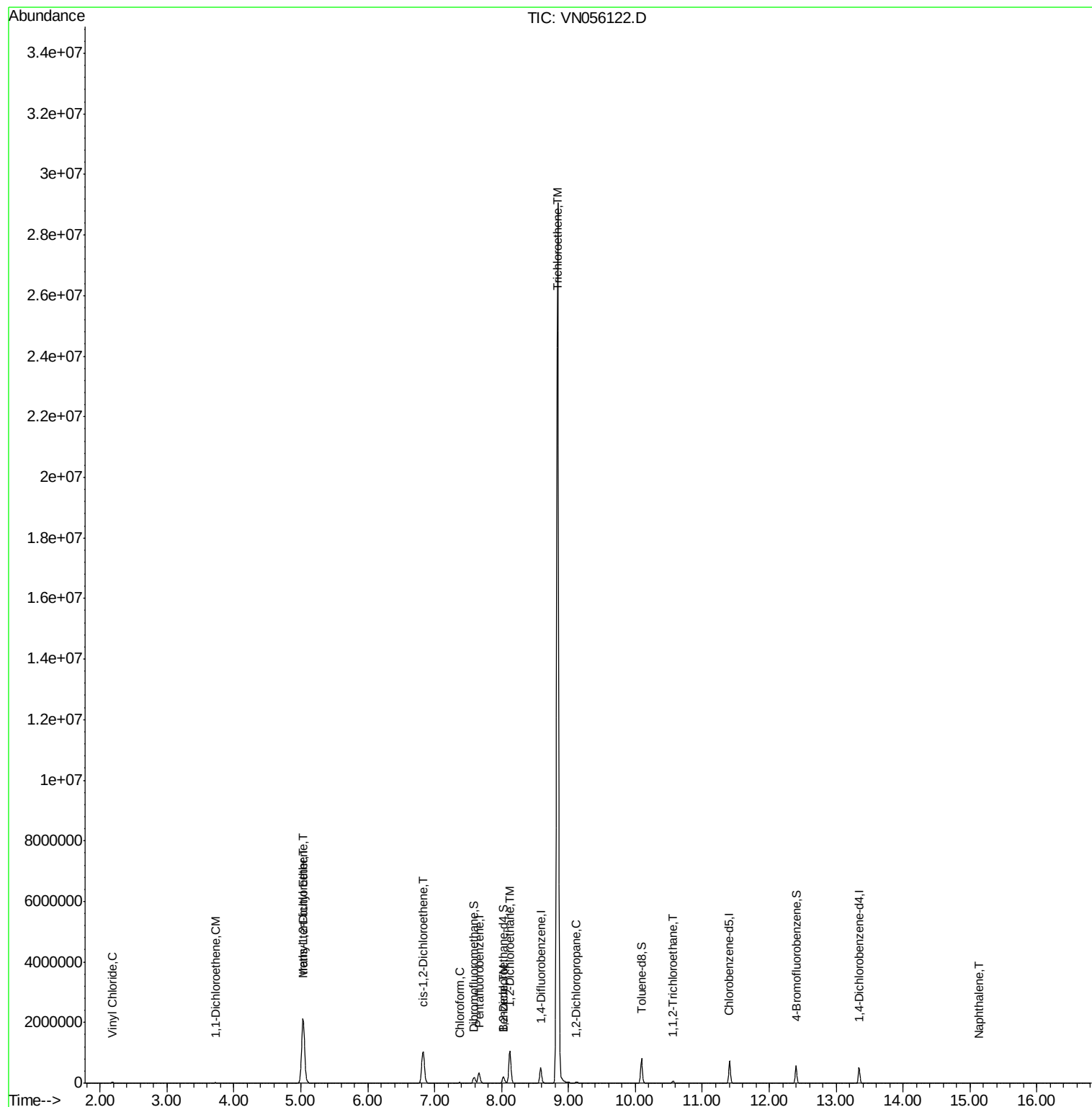
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	22809	6.301	ug/l	93
12) 1,1-Dichloroethene	3.72	96	9482	3.393	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	314849	35.343	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	1417441	473.350	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	748694	212.700	ug/l	89
30) Chloroform	7.37	83	20837	3.936	ug/l	97
40) Benzene	8.04	78	10466	0.802	ug/l	99
42) 1,2-Dichloroethane	8.12	62	1004178	239.154	ug/l	99
44) Trichloroethene	8.84	130	11737581	3129.256	ug/l	96
45) 1,2-Dichloropropane	9.12	63	10042	3.003	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	23740	7.378	ug/l	98
95) Naphthalene	15.13	128	4562	4.392	ug/l #	91

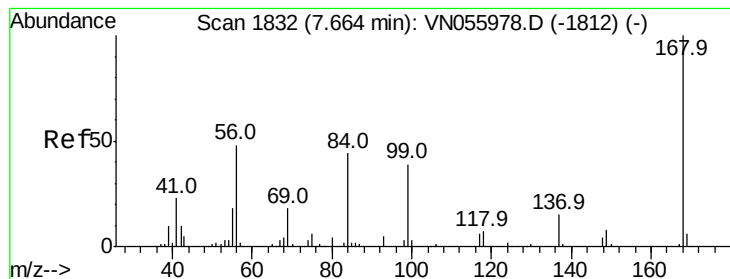
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
Data File : VN056122.D
Acq On : 8 Jun 2019 1:11
Operator : JC/SP
Sample : K3223-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS043MW014-190605

Quant Time: Jun 08 07:16:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampleId :

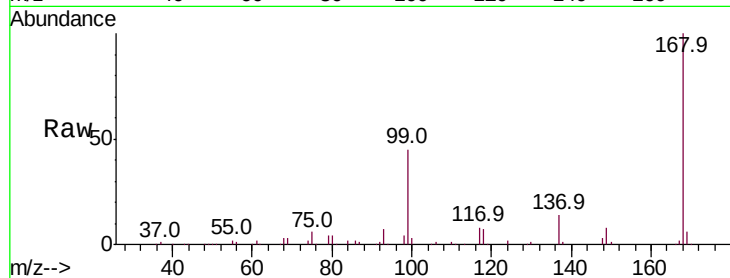
SS043MW014-190605

Tot Ion:168 Resp: 332916

Ion Ratio Lower Upper

168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

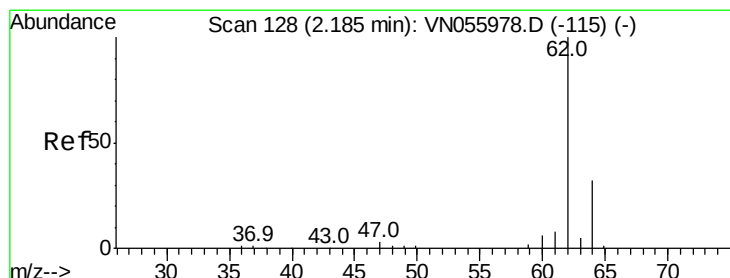
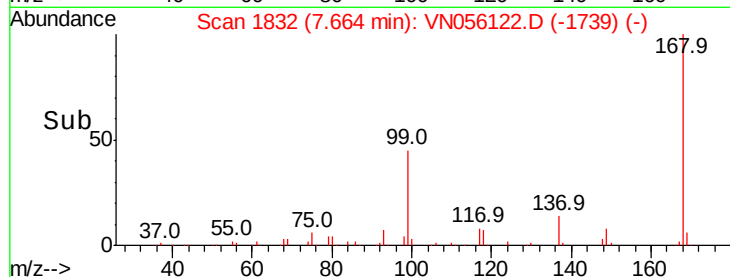
100000

50000

0

7.60 7.70

Time-->



#4

Vinyl Chloride

Concen: 6.301 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056122.D

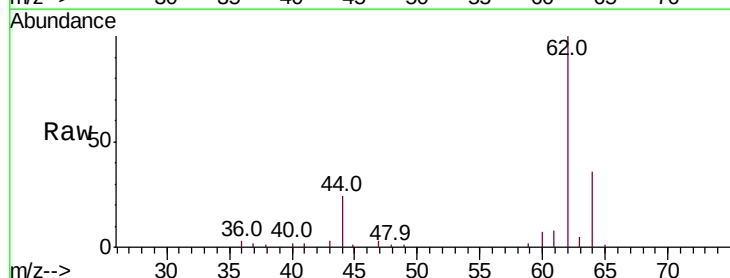
Acq: 8 Jun 2019 1:11

Tgt Ion: 62 Resp: 22809

Ion Ratio Lower Upper

62 100

64 35.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055978.D (-115) (-)

2.18

15000

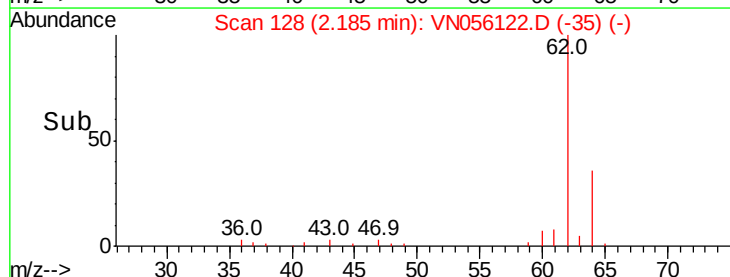
10000

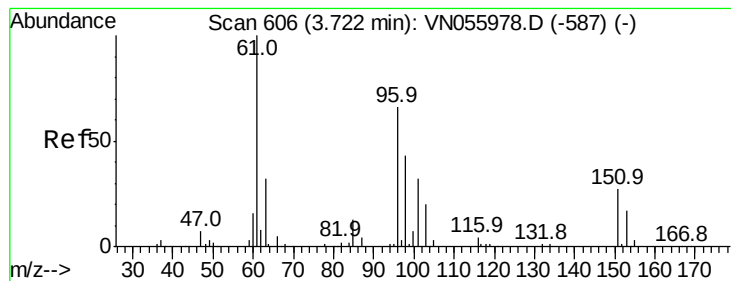
5000

0

2.15 2.20 2.25

Time-->





#12

1,1-Dichloroethene

Concen: 3.393 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampleId :

SS043MW014-190605

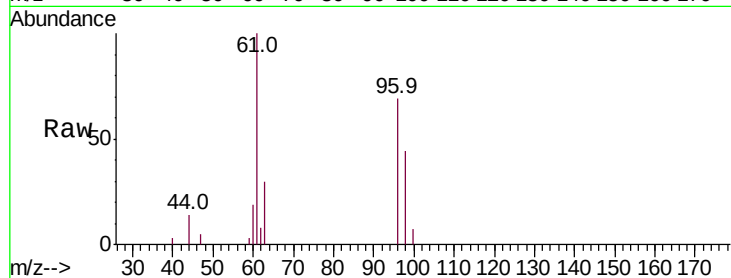
Tot Ion: 96 Resp: 9482

Ion Ratio Lower Upper

96 100

61 145.7 123.2 184.8

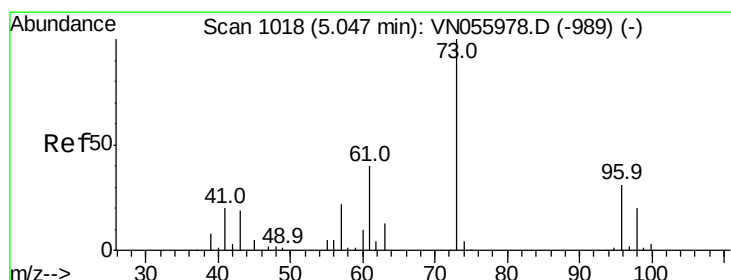
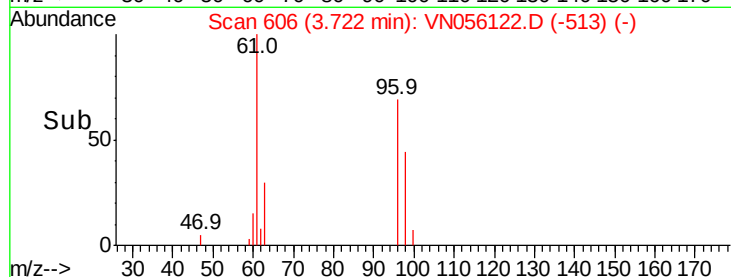
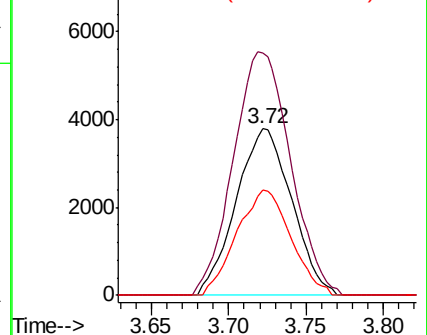
98 63.4 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-587) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-587) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-587) (-)



#19

Methyl tert-butyl Ether

Concen: 35.343 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056122.D

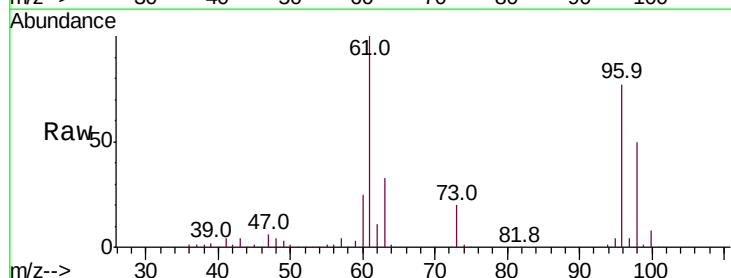
Acq: 8 Jun 2019 1:11

Tgt Ion: 73 Resp: 314849

Ion Ratio Lower Upper

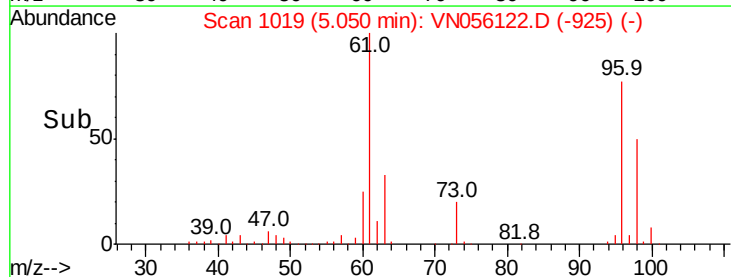
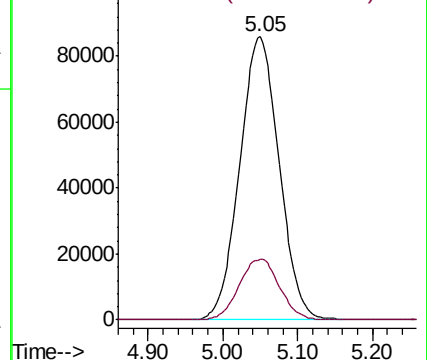
73 100

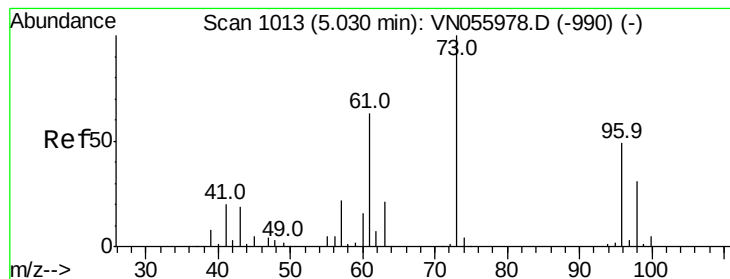
57 21.4 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VN055978.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-989) (-)





#21

trans-1,2-Dichloroethene

Concen: 473.350 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampleId :

SS043MW014-190605

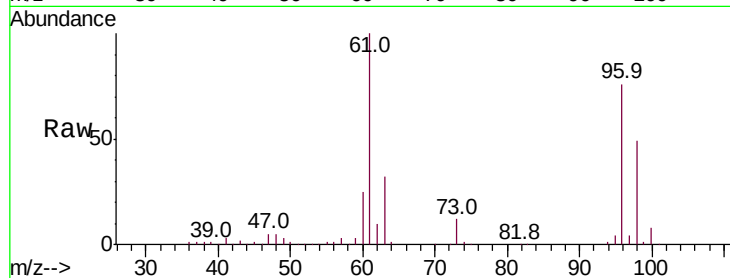
Tot Ion: 96 Resp: 1417441

Ion Ratio Lower Upper

96 100

61 131.0 107.8 161.8

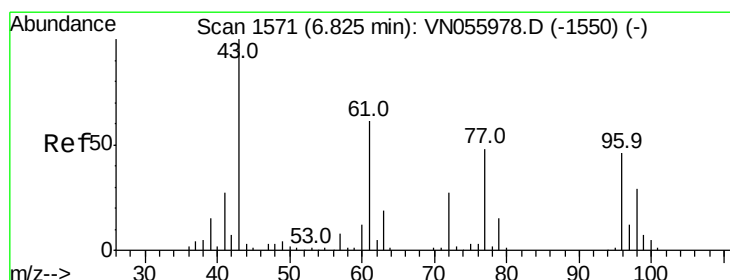
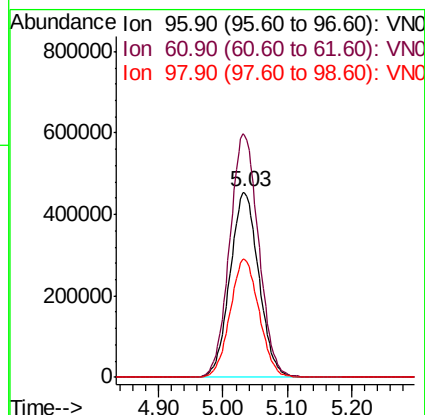
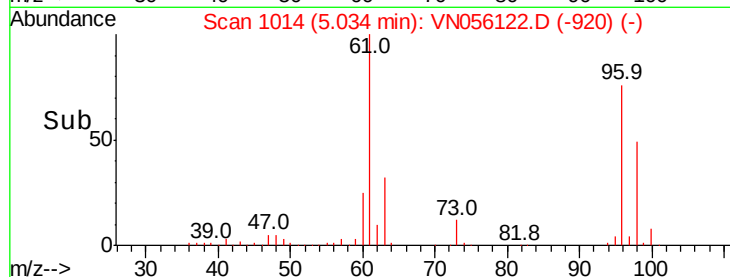
98 64.1 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN056122.D (-1478) (-)

Ion 60.90 (60.60 to 61.60): VN056122.D (-1478) (-)

Ion 97.90 (97.60 to 98.60): VN056122.D (-1478) (-)



#27

cis-1,2-Dichloroethene

Concen: 212.700 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

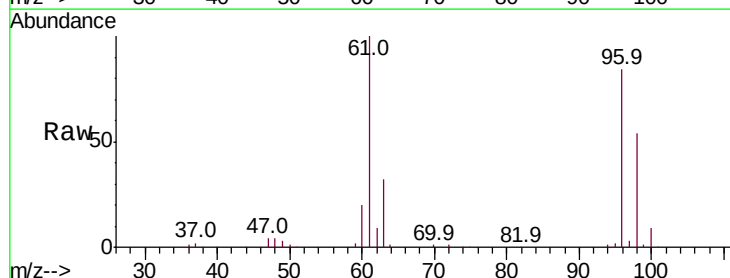
Tgt Ion: 96 Resp: 748694

Ion Ratio Lower Upper

96 100

61 119.6 0.0 275.8

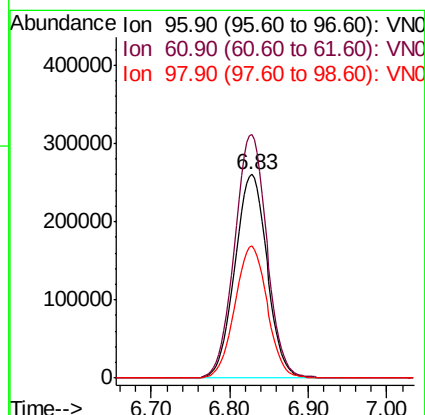
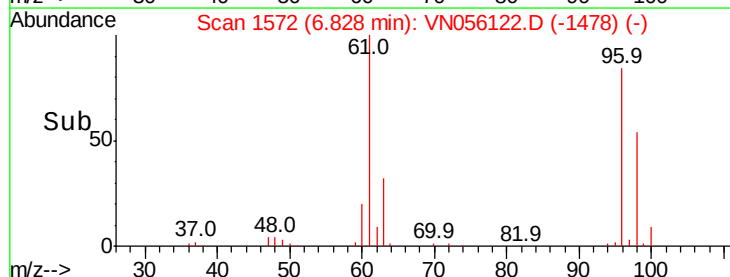
98 65.0 0.0 128.4

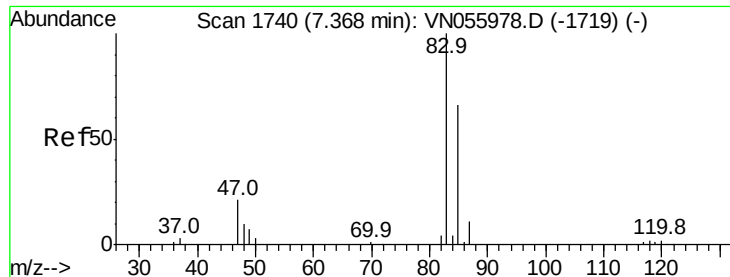


Abundance Ion 95.90 (95.60 to 96.60): VN056122.D (-1478) (-)

Ion 60.90 (60.60 to 61.60): VN056122.D (-1478) (-)

Ion 97.90 (97.60 to 98.60): VN056122.D (-1478) (-)

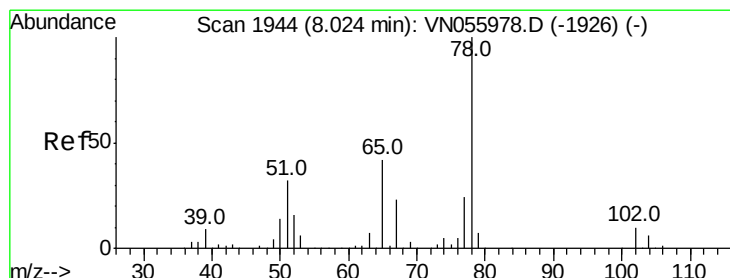
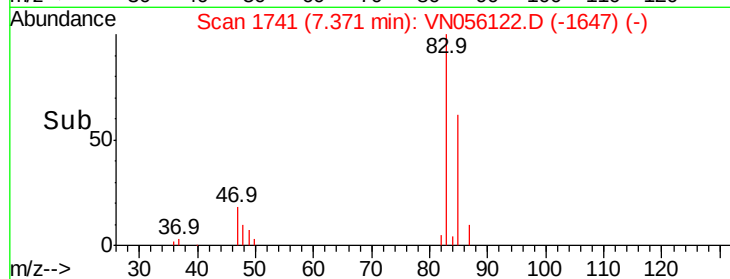
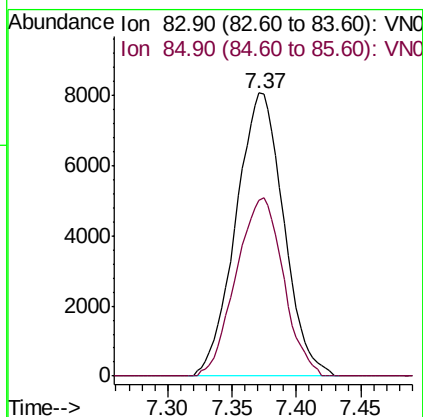
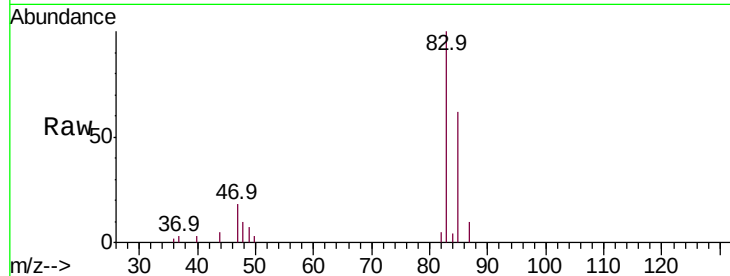




#30
Chloroform
Concen: 3.936 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

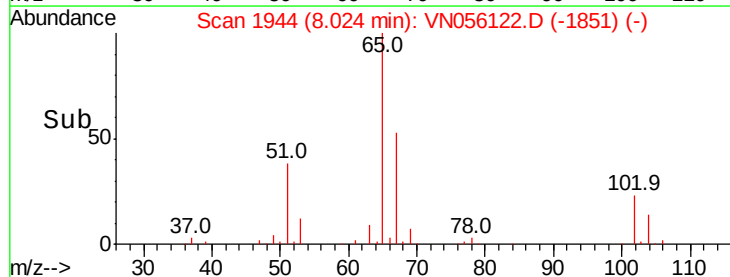
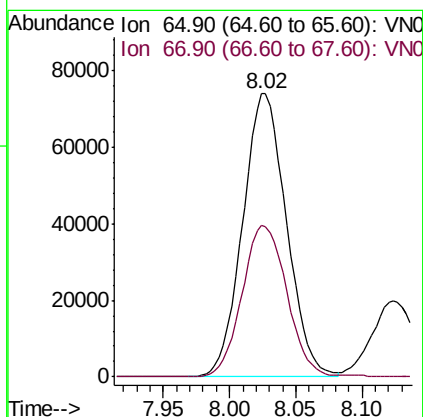
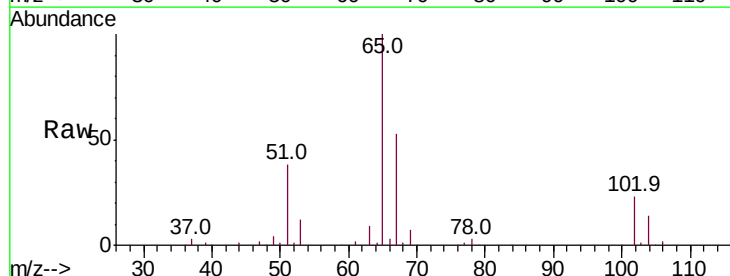
Instrument :
MSVOA_N
ClientSampleId :
SS043MW014-190605

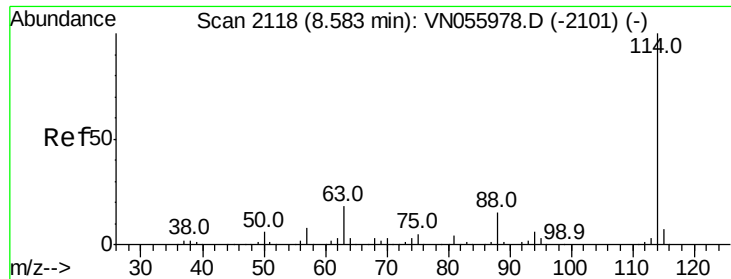
Tot Ion: 83 Resp: 20837
Ion Ratio Lower Upper
83 100
85 62.2 51.8 77.8



#33
1,2-Dichloroethane-d4
Concen: 51.454 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Tgt Ion: 65 Resp: 170084
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.2

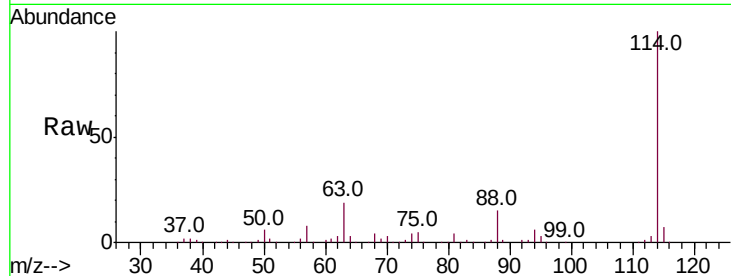




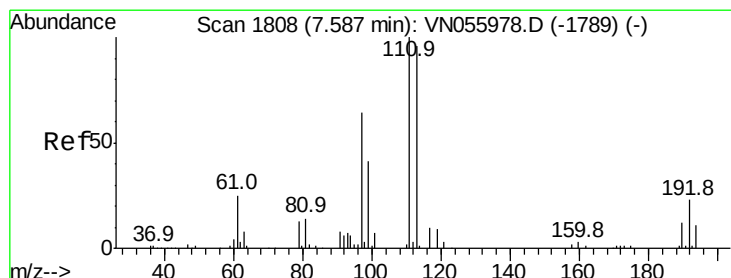
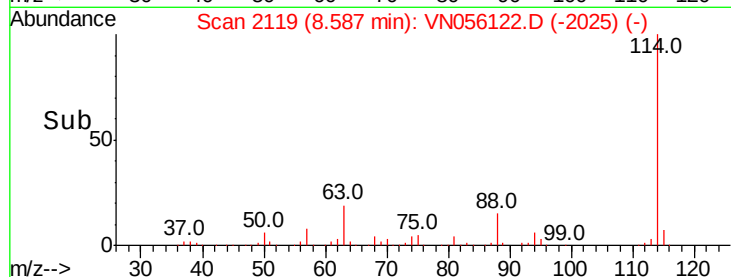
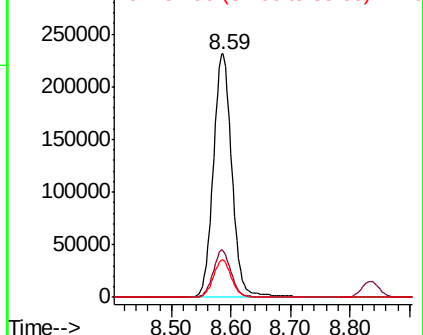
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056122.D
 Acq: 8 Jun 2019 1:11

Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW014-190605

Tot Ion:114 Resp: 499832
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.5 0.0 31.0

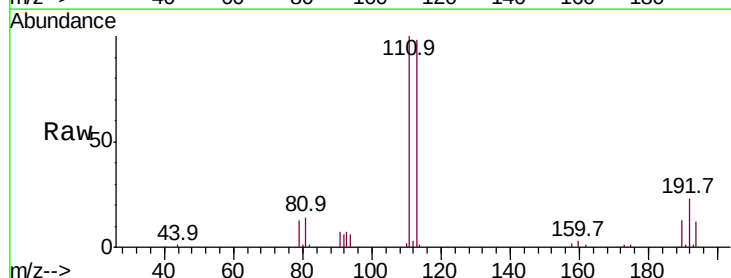


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

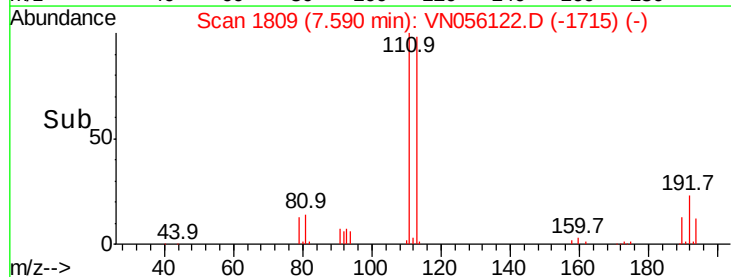
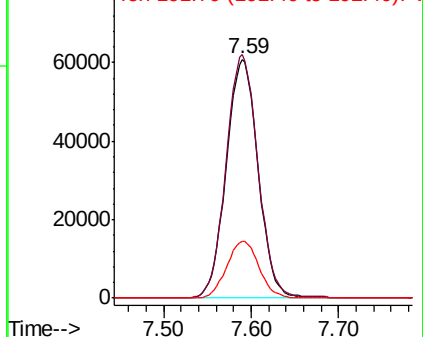


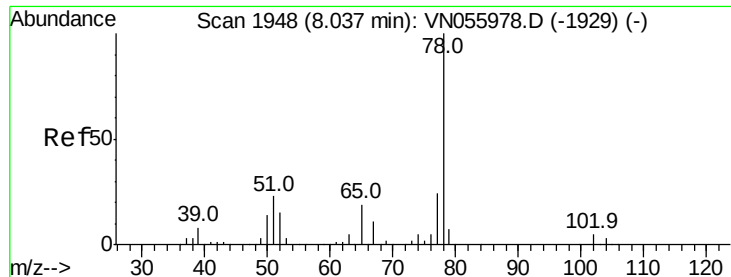
#35
 Dibromofluoromethane
 Concen: 50.263 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056122.D
 Acq: 8 Jun 2019 1:11

Tgt Ion:113 Resp: 154137
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.9 122.9
 192 24.0 19.5 29.3



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: 0.802 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampleId :

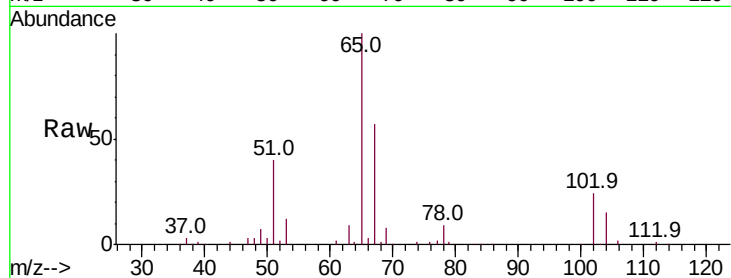
SS043MW014-190605

Tot Ion: 78 Resp: 10466

Ion Ratio Lower Upper

78 100

77 22.9 18.8 28.2

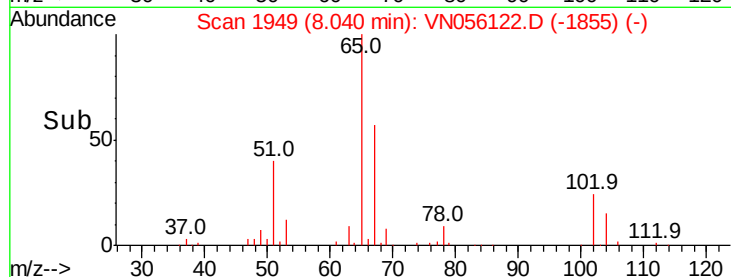


Abundance Ion 78.00 (77.70 to 78.70): VN055978.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-1929) (-)

8.04

Time-->

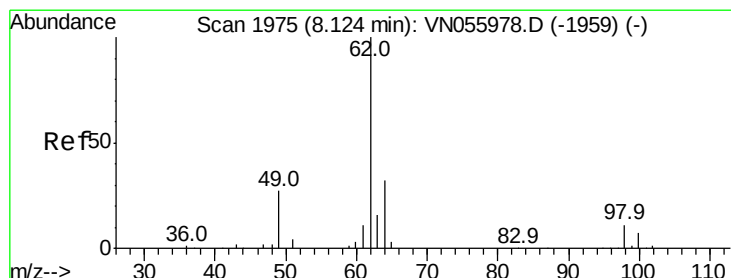


Abundance Ion 62.00 (61.60 to 62.60): VN055978.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1959) (-)

8.12

Time-->



#42

1,2-Dichloroethane

Concen: 239.154 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN056122.D

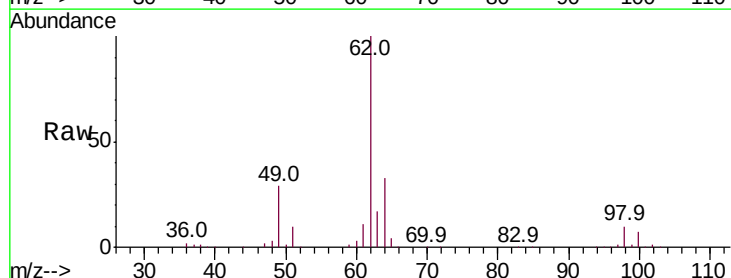
Acq: 8 Jun 2019 1:11

Tgt Ion: 62 Resp: 1004178

Ion Ratio Lower Upper

62 100

98 10.5 0.0 20.2

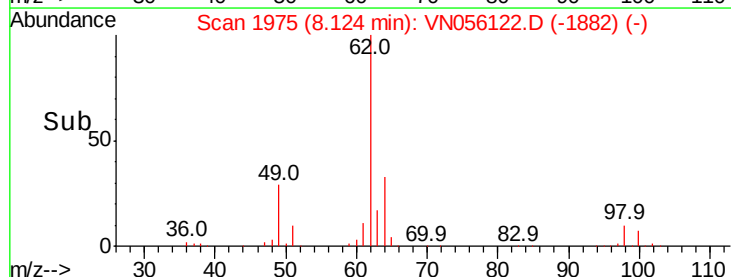


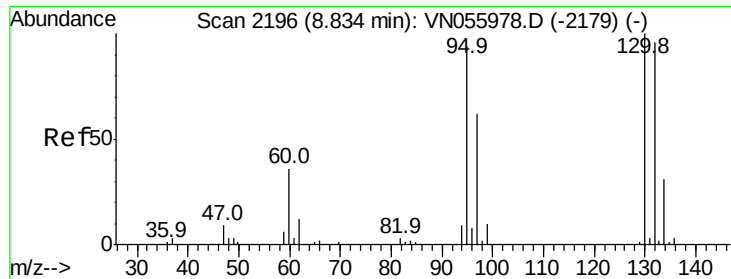
Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1959) (-)

8.12

Time-->





#44

Trichloroethene

Concen: 3129.256 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampleId :

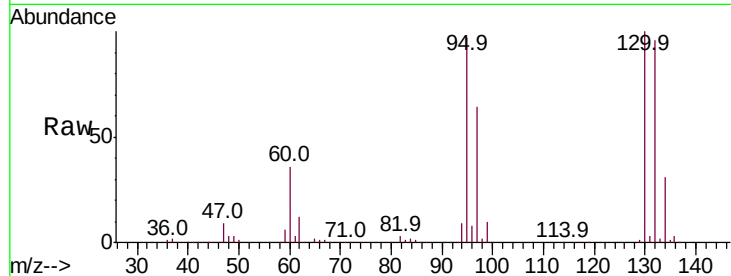
SS043MW014-190605

Tot Ion:130 Resp:11737581

Ion Ratio Lower Upper

130 100

95 97.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.84

6000000

5000000

4000000

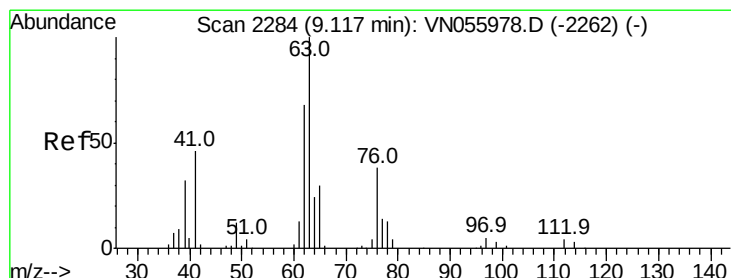
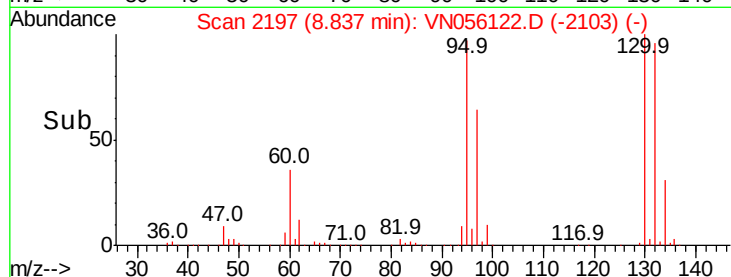
3000000

2000000

1000000

0

Time-->



#45

1,2-Dichloropropane

Concen: 3.003 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056122.D

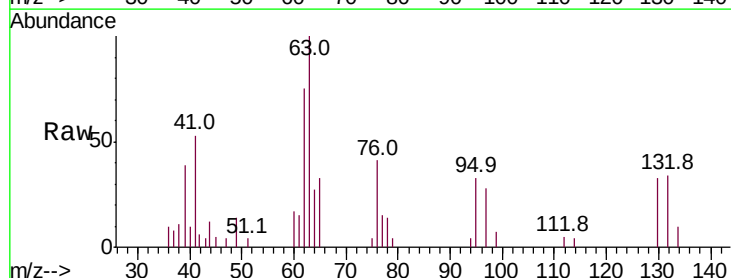
Acq: 8 Jun 2019 1:11

Tgt Ion: 63 Resp: 10042

Ion Ratio Lower Upper

63 100

65 33.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.12

5000

4000

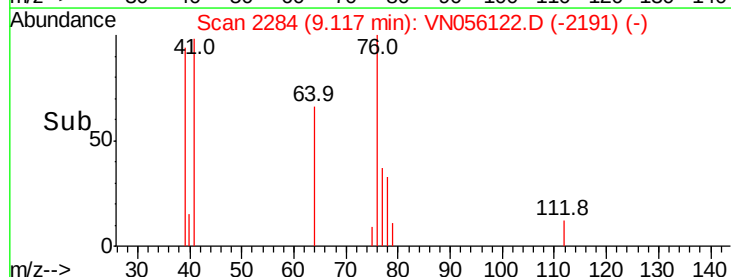
3000

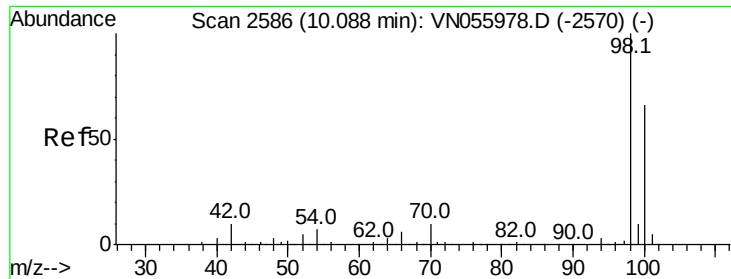
2000

1000

0

Time-->





#50

Toluene-d8

Concen: 53.194 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampleId :

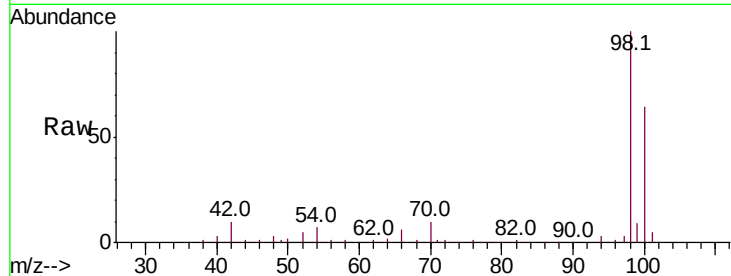
SS043MW014-190605

Tot Ion: 98 Resp: 627717

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

300000

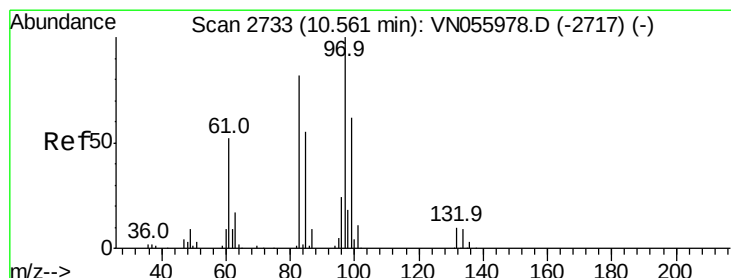
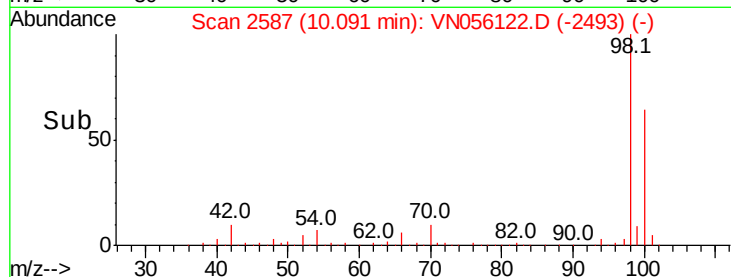
200000

100000

0

Time-->

10.00 10.10 10.20 10.30



#55

1,1,2-Trichloroethane

Concen: 7.378 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Tgt Ion: 97 Resp: 23740

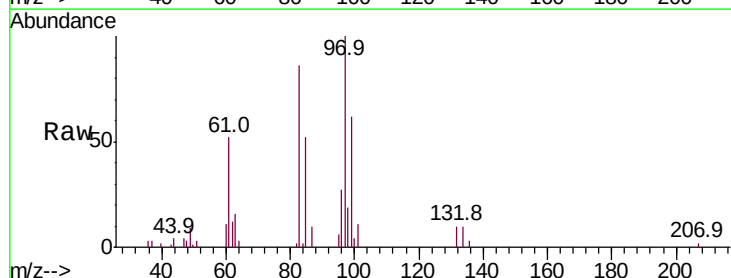
Ion Ratio Lower Upper

97 100

83 85.7 67.0 100.6

85 52.5 44.0 66.0

99 62.0 50.6 75.8



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

15000

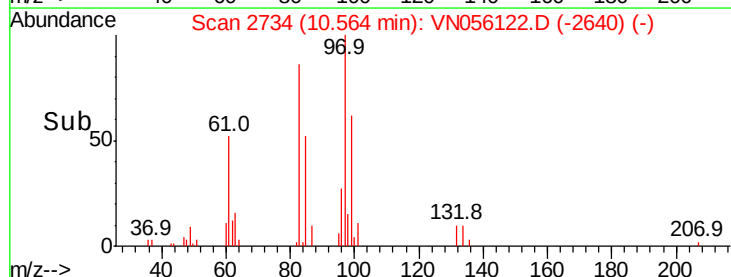
10000

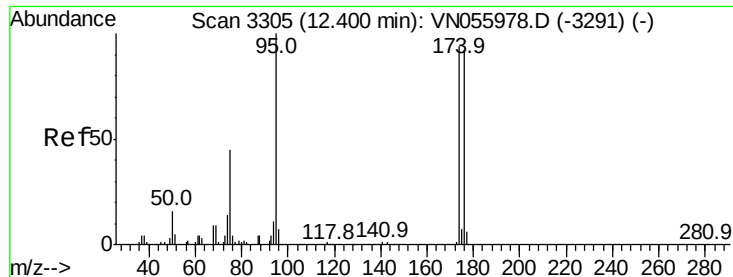
5000

0

Time-->

10.50 10.55 10.60





#62

4-Bromofluorobenzene

Concen: 51.390 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampleId :

SS043MW014-190605

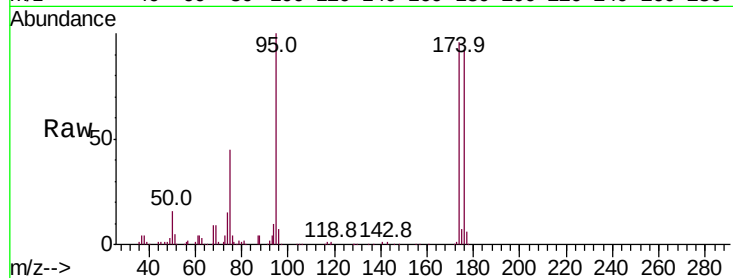
Tot Ion: 95 Resp: 206231

Ion Ratio Lower Upper

95 100

174 95.6 0.0 191.0

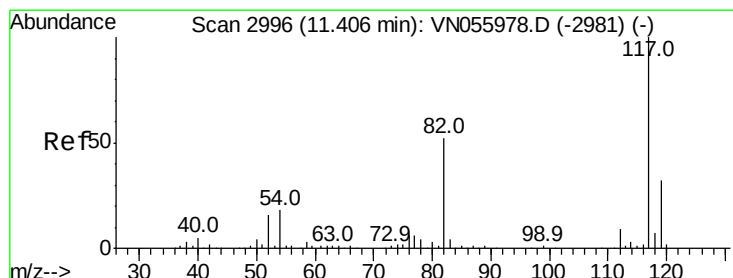
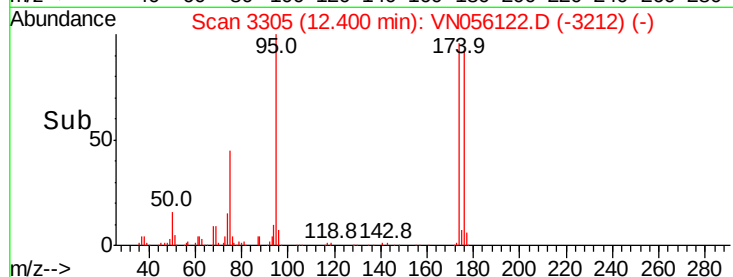
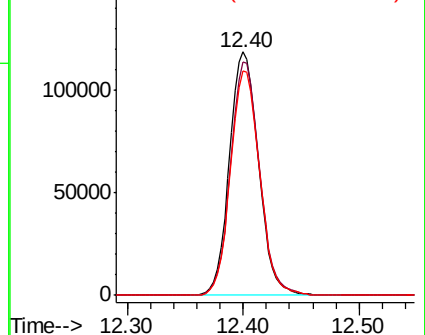
176 92.4 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

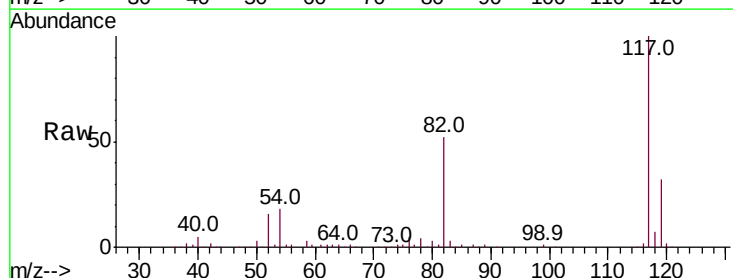
Tgt Ion: 117 Resp: 477980

Ion Ratio Lower Upper

117 100

82 51.5 41.8 62.8

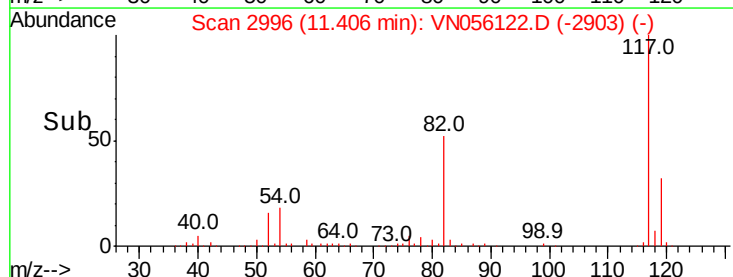
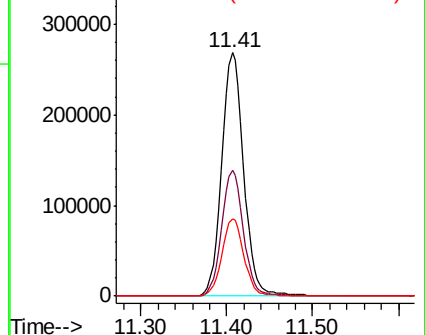
119 31.9 25.4 38.0

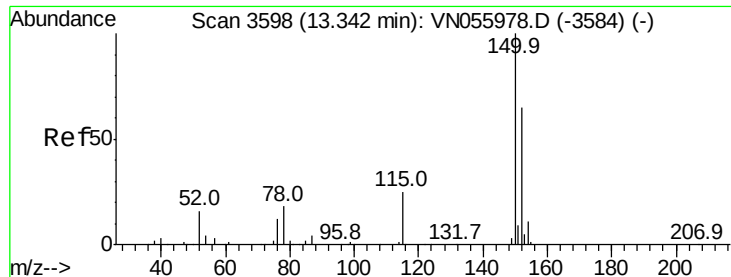


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampleId :

SS043MW014-190605

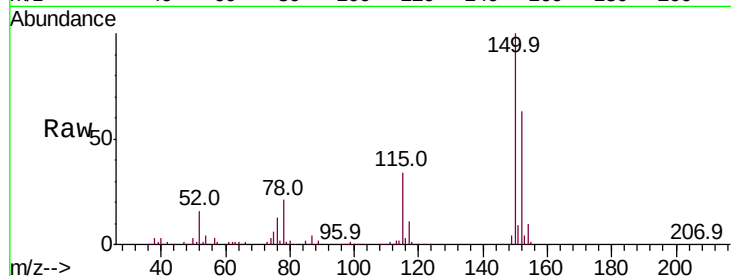
Tot Ion:152 Resp: 162759

Ion Ratio Lower Upper

152 100

115 52.5 27.0 81.0

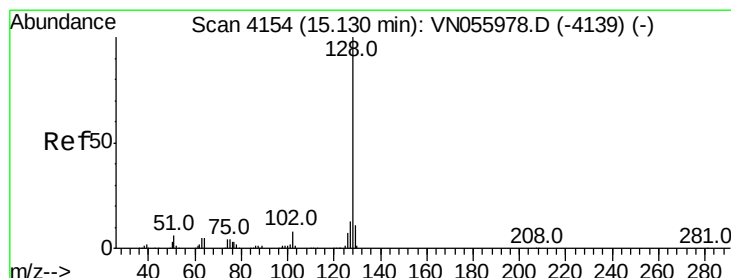
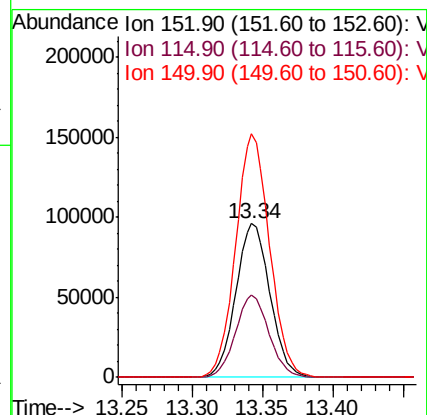
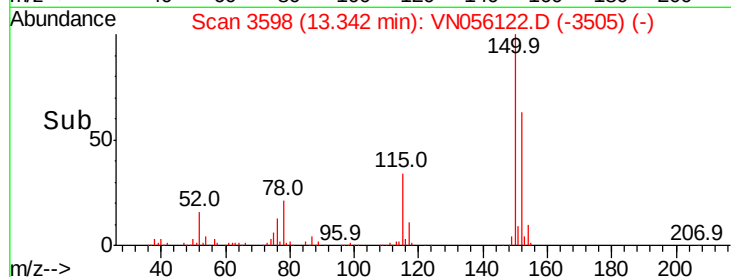
150 157.1 0.0 343.2



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



#95

Naphthalene

Concen: 4.392 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

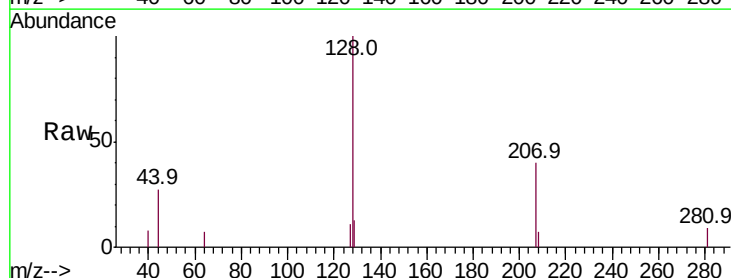
Tgt Ion:128 Resp: 4562

Ion Ratio Lower Upper

128 100

127 10.1 10.3 15.5#

129 6.4 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

