

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018795.D
 Acq On : 09 Oct 2020 05:23
 Operator : SY/MD
 Sample : L4239-10 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P5

Quant Time: Oct 09 08:53:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:31:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	337329	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	325593	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	164028	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	132331	43.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.34%
7) Chloroethane-d5	1.58	69	111305	45.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.24%
11) 1,1-Dichloroethene-d2	2.12	63	200804	33.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.96%
21) 2-Butanone-d5	3.90	46	195849	104.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.06%
24) Chloroform-d	4.38	84	247056	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.38%
26) 1,2-Dichloroethane-d4	5.05	65	171590	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
32) Benzene-d6	5.07	84	490426	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.09	67	147706	43.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.46%
41) Toluene-d8	7.34	98	411523	44.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.48%
43) trans-1,3-Dichloropropene-	7.64	79	70111	41.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.96%
47) 2-Hexanone-d5	8.11	63	120694	100.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.79%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	188444	47.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.90%
64) 1,2-Dichlorobenzene-d4	11.65	152	173906	47.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

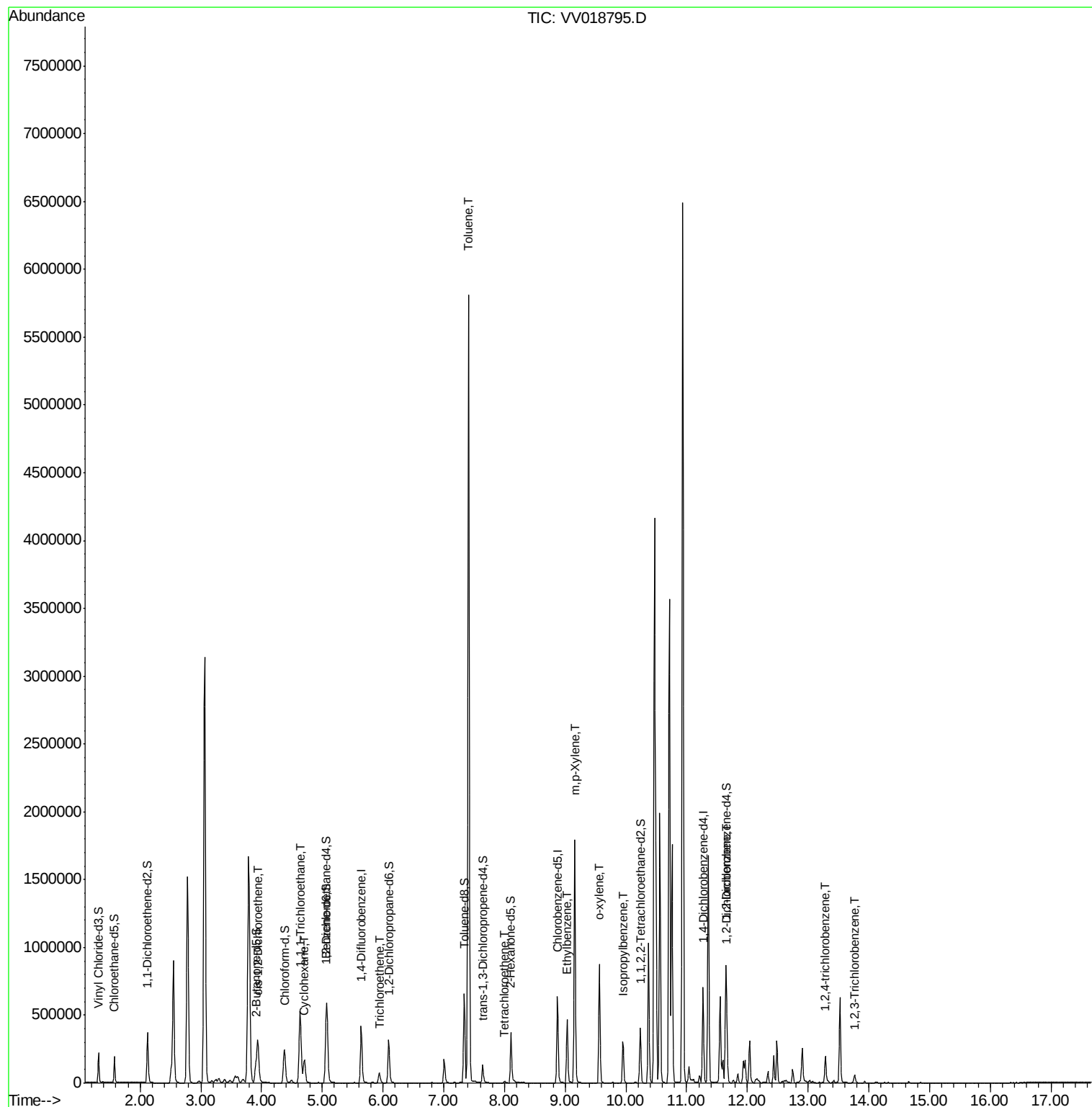
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) cis-1,2-Dichloroethene	3.94	96	151232	58.067	ug/L	99
29) Cyclohexane	4.70	56	94481	23.962	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	422465	97.354	ug/L	99
34) Trichloroethene	5.94	95	20987	7.059	ug/L	92
42) Toluene	7.41	91	3936576	371.026	ug/L	97
46) Tetrachloroethene	8.00	164	2829	1.298	ug/L	93
52) Ethylbenzene	9.03	91	309357	25.676	ug/L	100
53) m,p-Xylene	9.16	106	469926	106.254	ug/L	99
54) o-xylene	9.56	106	213607	50.853	ug/L	98
56) Isopropylbenzene	9.95	105	185140	15.929	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	13908	2.591	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	51606	15.844	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	17682	5.469	ug/L	98

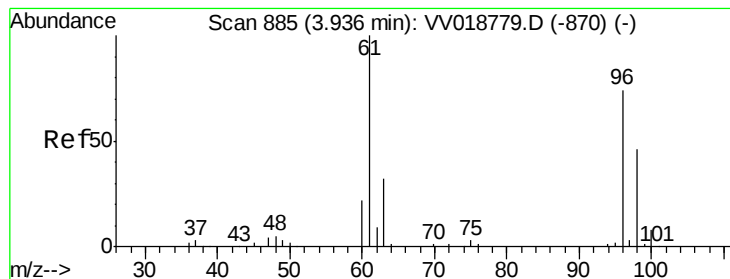
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#20

cis-1,2-Dichloroethene

Concen: 58.067 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018795.D

Acq: 09 Oct 2020 05:23

Instrument :

MSVOA_V

ClientSampleId :

BG3P5

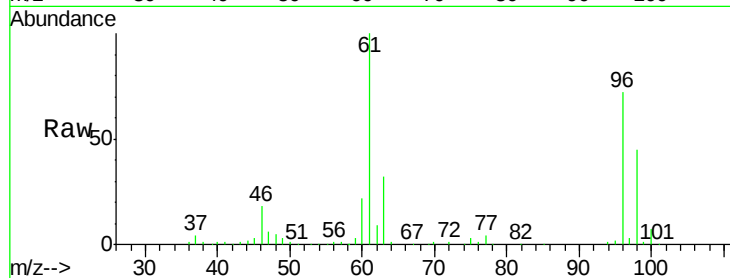
Tot Ion: 96 Resp: 151232

Ion Ratio Lower Upper

96 100

61 138.3 97.3 180.7

68 0.0 0.0 0.0

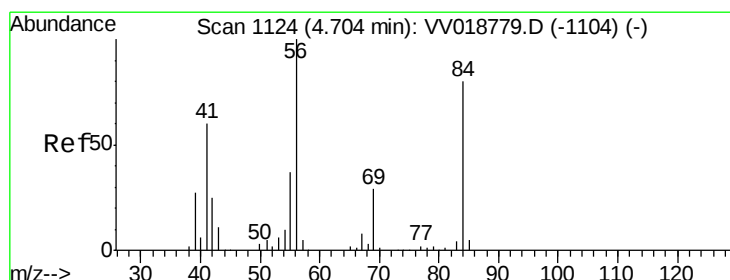
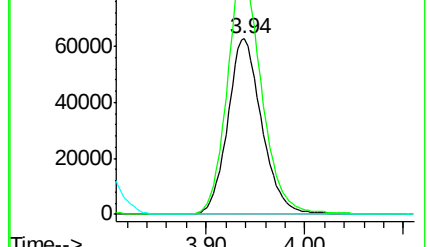
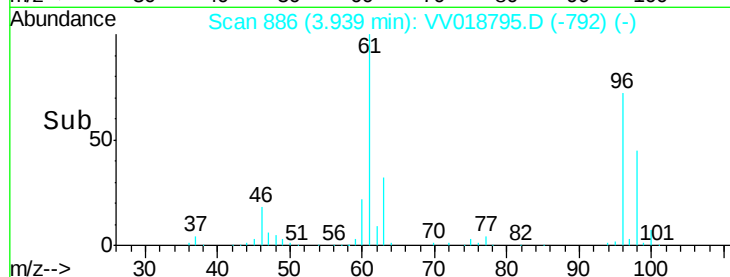


Abundance Ion 96.00 (95.70 to 96.70): VV018779.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV018779.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV018779.D (-870) (-)

Time-->



#29

Cyclohexane

Concen: 23.962 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018795.D

Acq: 09 Oct 2020 05:23

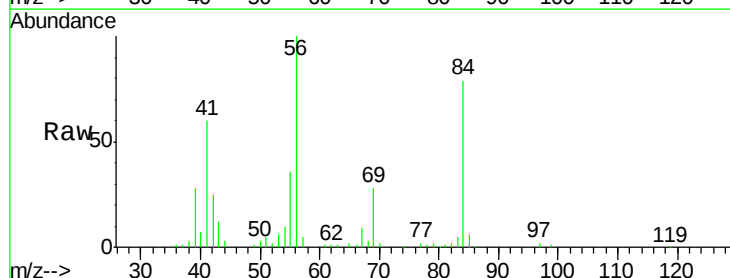
Tgt Ion: 56 Resp: 94481

Ion Ratio Lower Upper

56 100

69 28.9 23.1 34.7

84 80.0 65.2 97.8

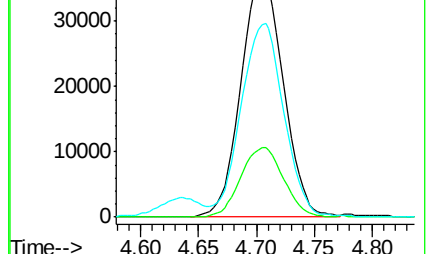
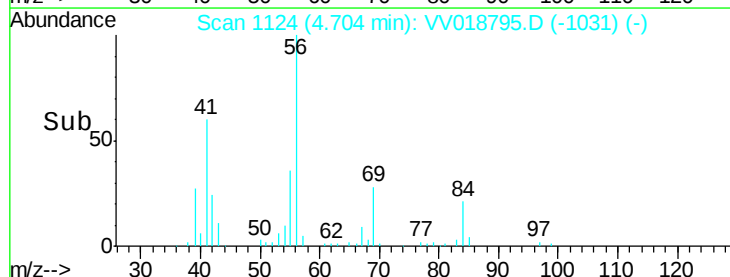


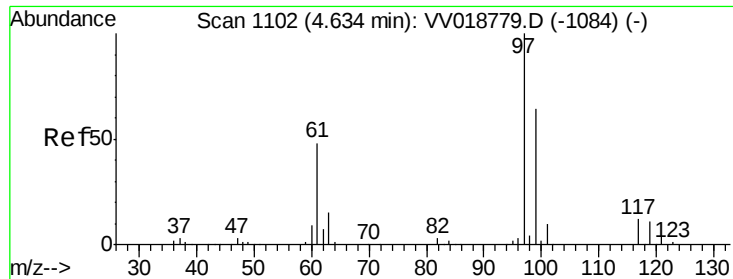
Abundance Ion 56.00 (55.70 to 56.70): VV018779.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018779.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018779.D (-1104) (-)

Time-->

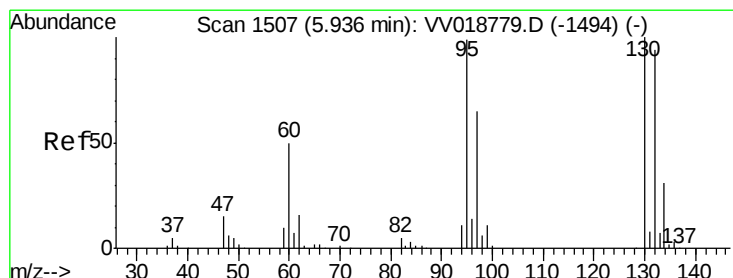
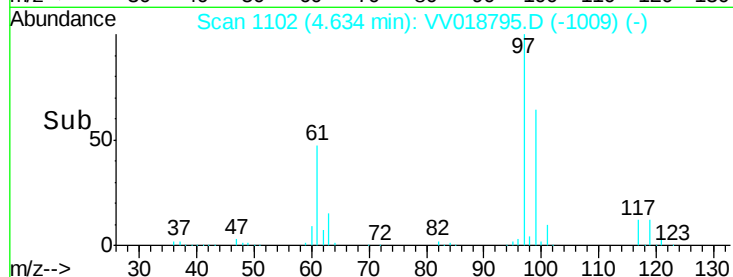
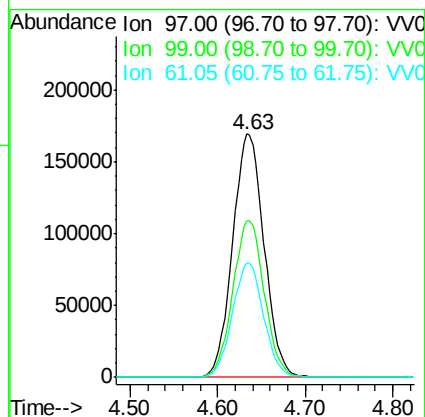
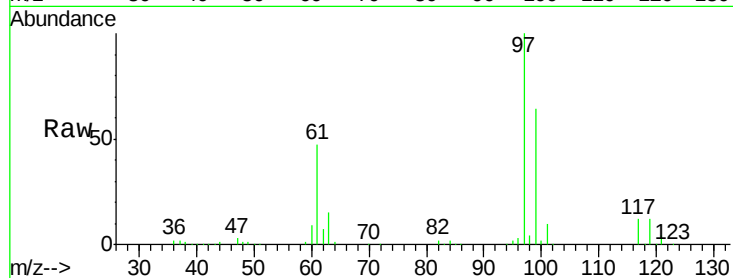




#30
 1,1,1-Trichloroethane
 Concen: 97.354 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV018795.D
 Acq: 09 Oct 2020 05:23

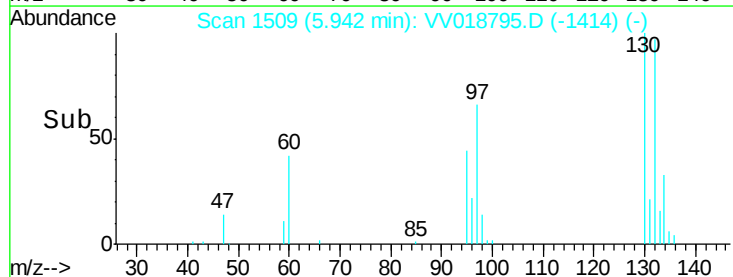
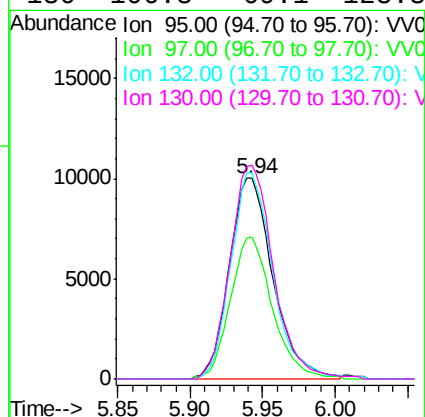
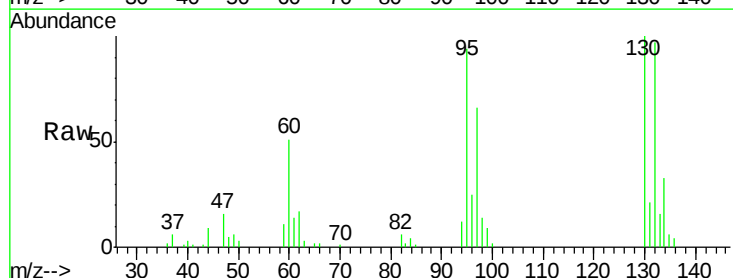
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P5

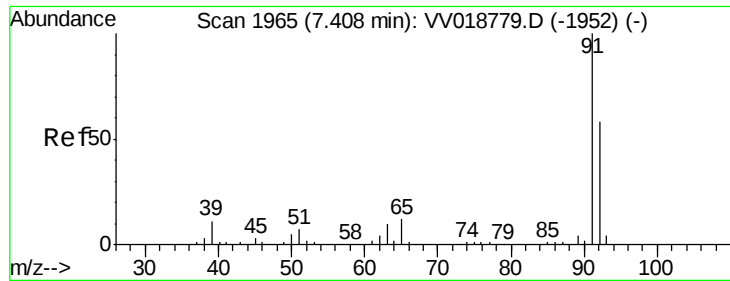
Tot Ion: 97 Resp: 422465
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.0 76.4
 61 46.8 37.0 55.4



#34
 Trichloroethene
 Concen: 7.059 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV018795.D
 Acq: 09 Oct 2020 05:23

Tgt Ion: 95 Resp: 20987
 Ion Ratio Lower Upper
 95 100
 97 70.5 45.1 83.9
 132 102.8 66.2 123.0
 130 106.3 69.1 128.3





#42

Toluene

Concen: 371.026 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018795.D

Acq: 09 Oct 2020 05:23

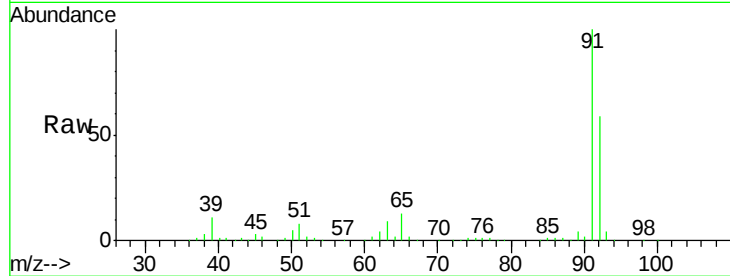
Instrument :
MSVOA_V
ClientSampleId :
BG3P5

Tot Ion: 91 Resp: 3936576

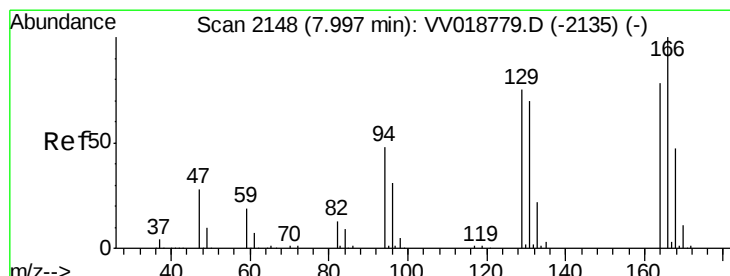
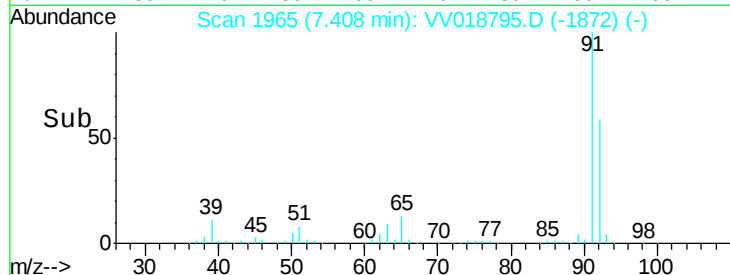
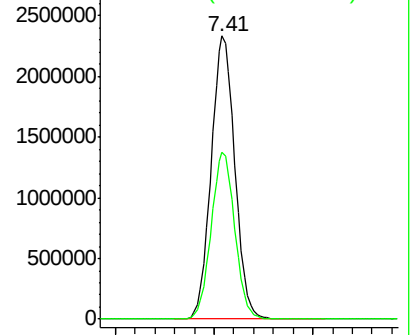
Ion Ratio Lower Upper

91 100

92 59.0 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV018779.D (-1952) (-)



#46

Tetrachloroethene

Concen: 1.298 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018795.D

Acq: 09 Oct 2020 05:23

Tgt Ion: 164 Resp: 2829

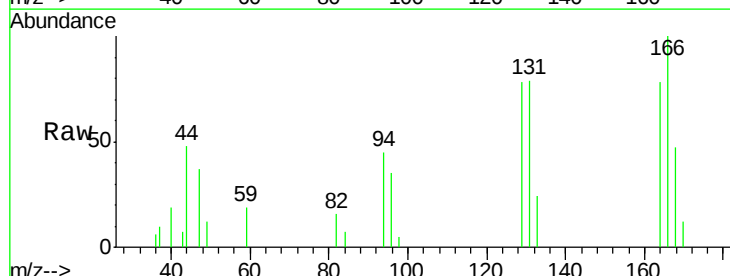
Ion Ratio Lower Upper

164 100

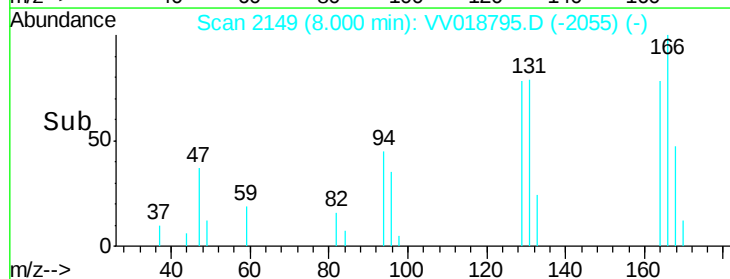
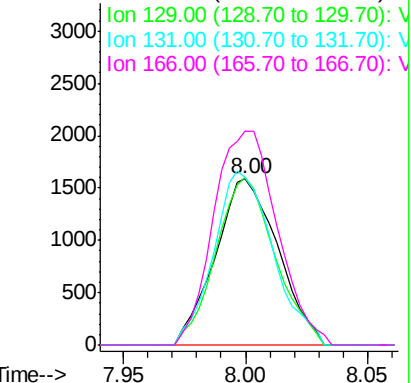
129 100.6 64.6 120.0

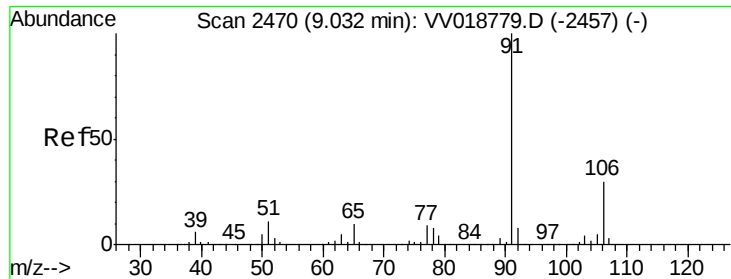
131 101.1 63.6 118.0

166 128.4 88.3 164.1



Abundance Ion 164.00 (163.70 to 164.70): VV018779.D (-2135) (-)





#52

Ethylbenzene

Concen: 25.676 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018795.D

Acq: 09 Oct 2020 05:23

Instrument :

MSVOA_V

ClientSampleId :

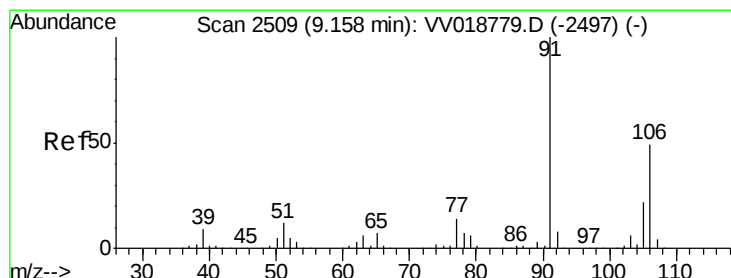
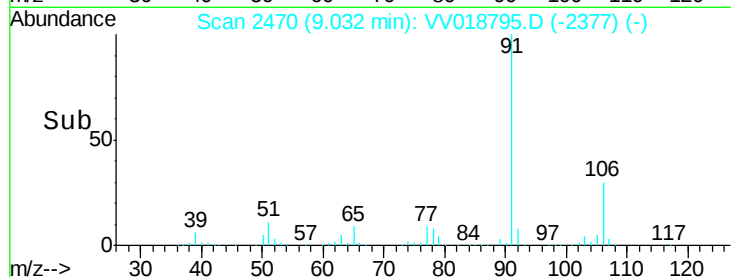
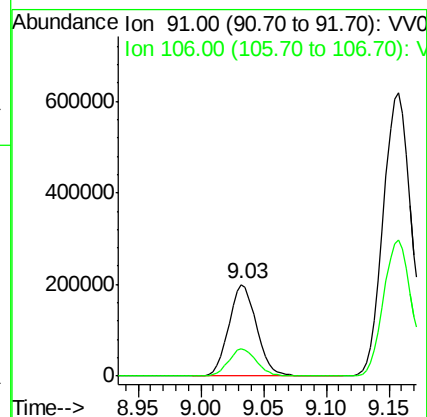
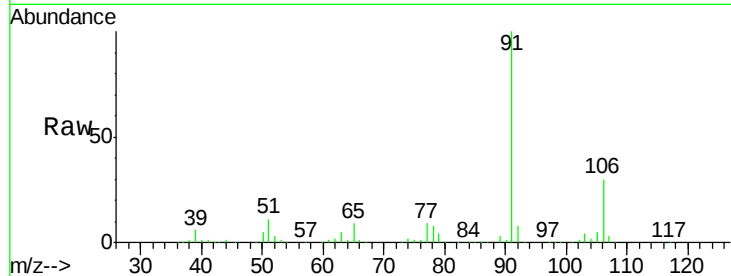
BG3P5

Tot Ion: 91 Resp: 309357

Ion Ratio Lower Upper

91 100

106 30.1 20.9 38.9



#53

m,p-Xylene

Concen: 106.254 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018795.D

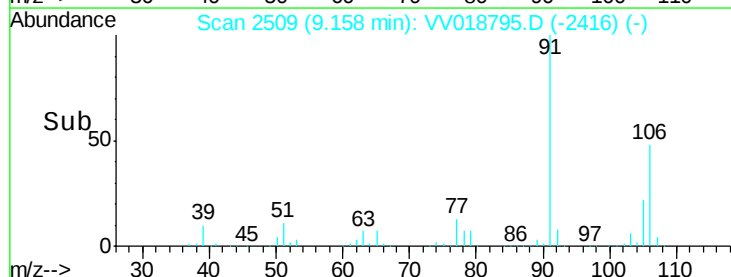
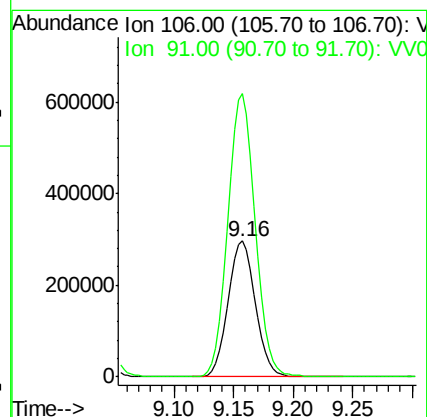
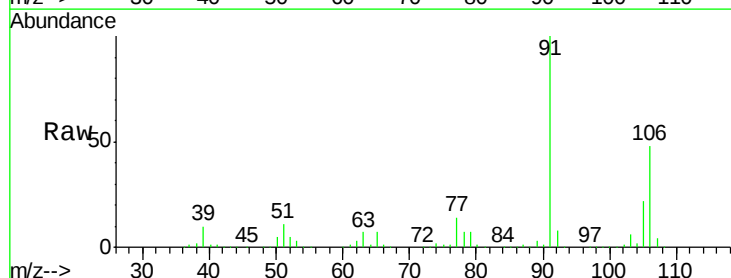
Acq: 09 Oct 2020 05:23

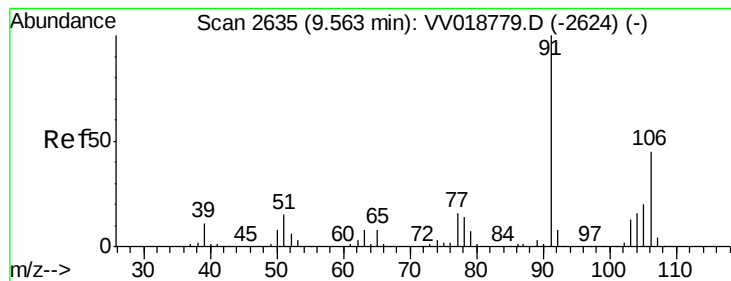
Tgt Ion: 106 Resp: 469926

Ion Ratio Lower Upper

106 100

91 208.3 147.1 273.1





#54

o-xylene

Concen: 50.853 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018795.D

Acq: 09 Oct 2020 05:23

Instrument :

MSVOA_V

ClientSampleId :

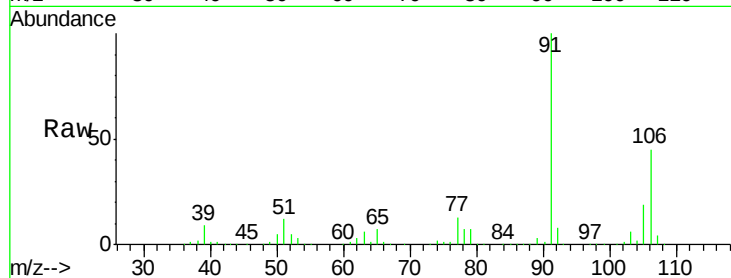
BG3P5

Tot Ion:106 Resp: 213607

Ion Ratio Lower Upper

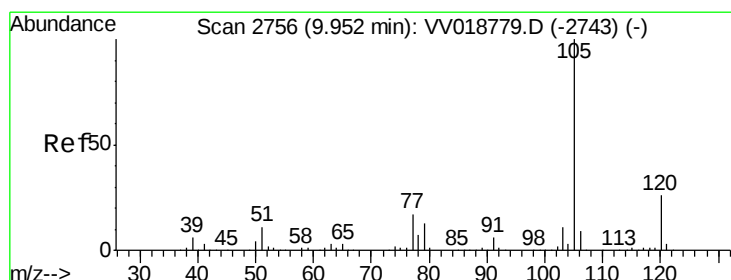
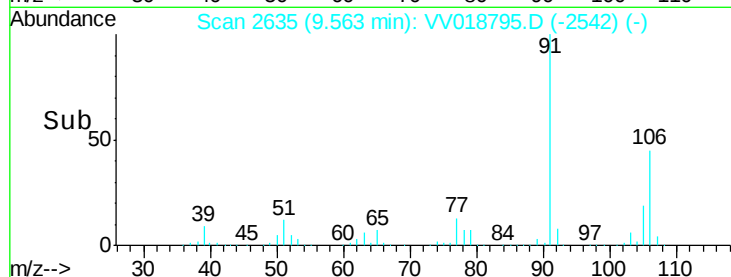
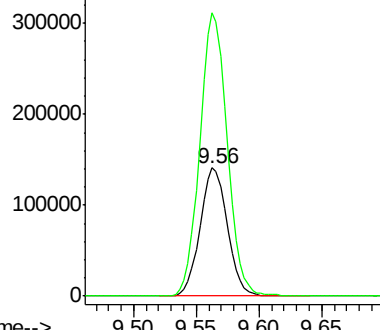
106 100

91 221.0 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 15.929 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018795.D

Acq: 09 Oct 2020 05:23

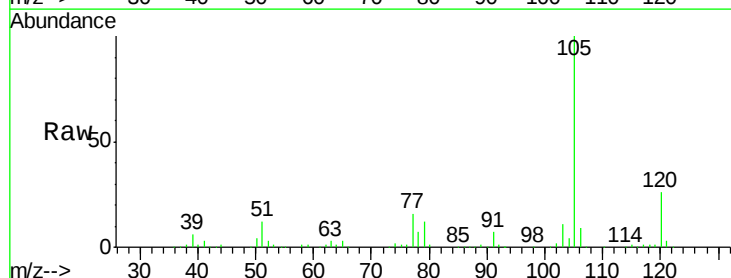
Tgt Ion:105 Resp: 185140

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

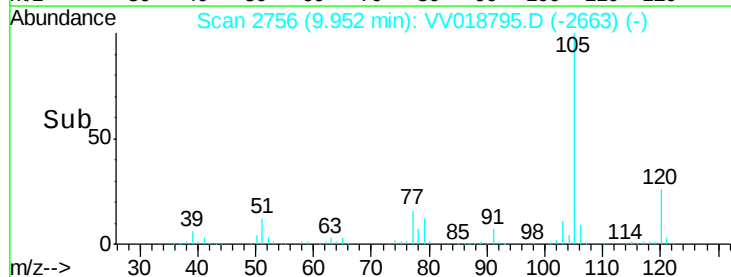
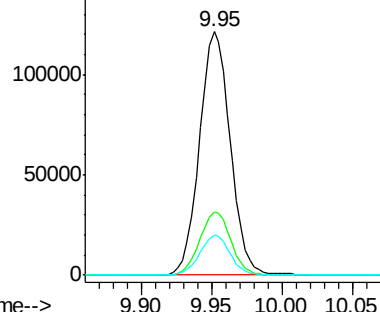
77 16.3 13.0 19.6

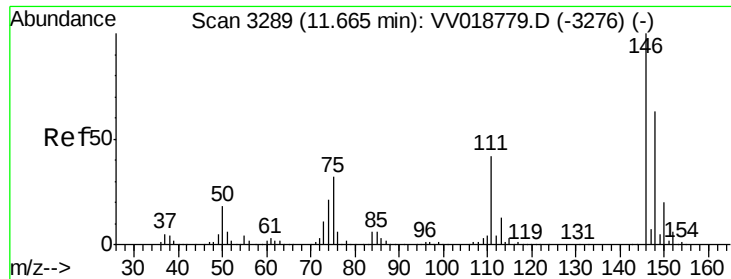


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#65

1,2-Dichlorobenzene

Concen: 2.591 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018795.D

Acq: 09 Oct 2020 05:23

Instrument :

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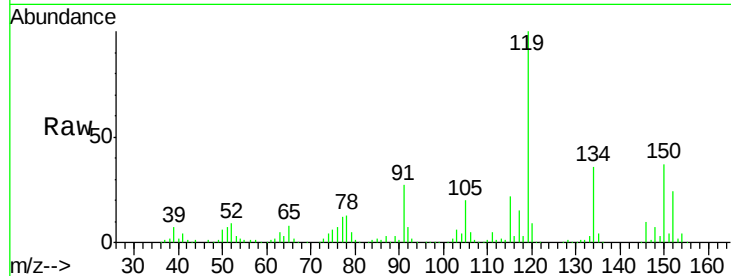
Tot Ion:146 Resp: 13908

Ion Ratio Lower Upper

146 100

111 45.5 33.8 50.6

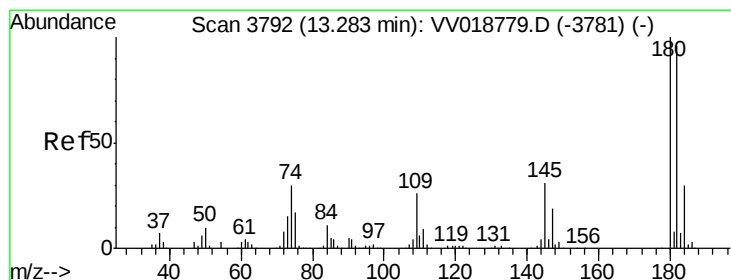
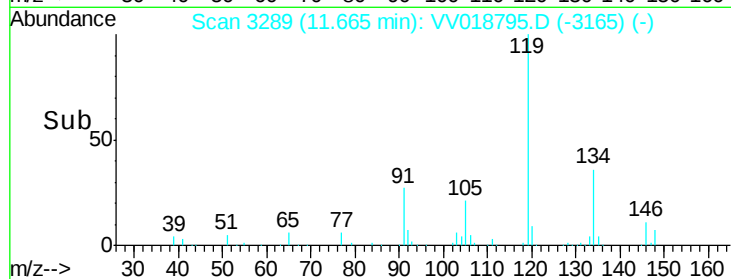
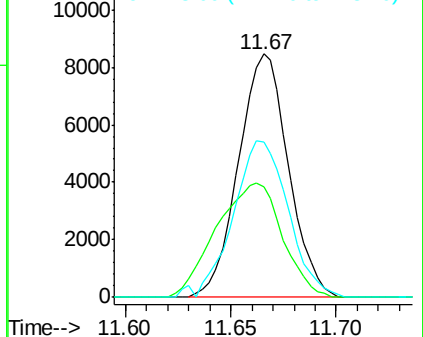
148 64.0 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 15.844 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV018795.D

Acq: 09 Oct 2020 05:23

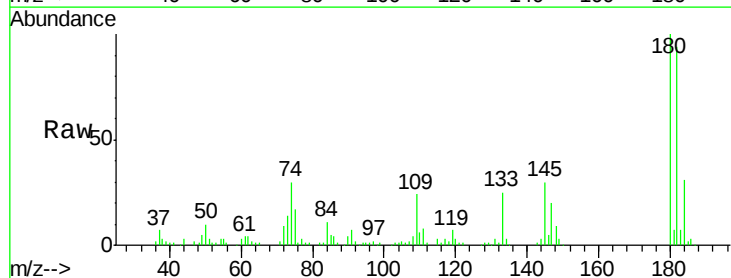
Tgt Ion:180 Resp: 51606

Ion Ratio Lower Upper

180 100

182 94.5 76.7 115.1

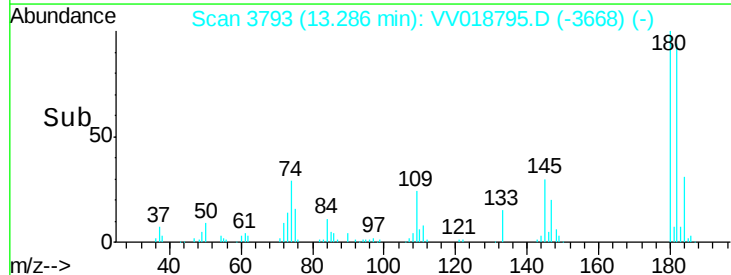
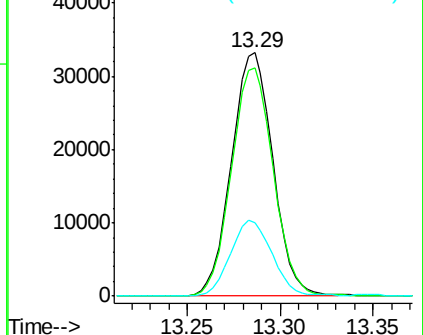
145 31.2 24.0 36.0

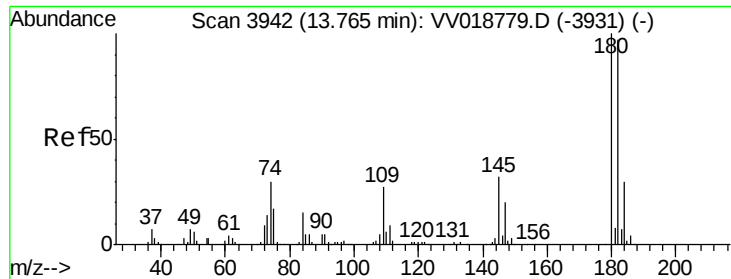


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

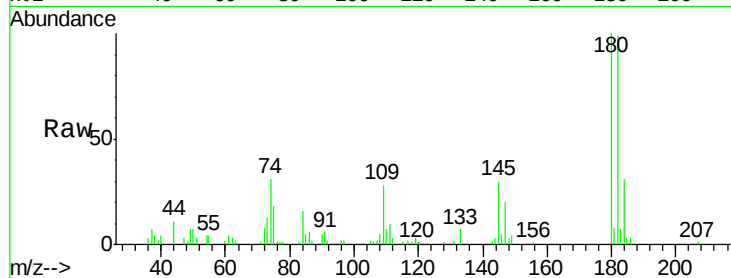




#70
 1,2,3-Trichlorobenzene
 Concen: 5.469 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018795.D
 Acq: 09 Oct 2020 05:23

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P5

Tot Ion:180 Resp: 17682
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.9 113.9
 145 33.5 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

