

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018792.D
 Acq On : 09 Oct 2020 04:11
 Operator : SY/MD
 Sample : L4239-07 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3N8

Quant Time: Oct 09 08:40:10 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	304005	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	298134	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155073	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	130456	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.46%
7) Chloroethane-d5	1.58	69	110003	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.94%
11) 1,1-Dichloroethene-d2	2.12	63	200392	37.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.26%
21) 2-Butanone-d5	3.90	46	190436	112.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.28%
24) Chloroform-d	4.37	84	236256	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.96%
26) 1,2-Dichloroethane-d4	5.06	65	164542	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.62%
32) Benzene-d6	5.07	84	461932	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
36) 1,2-Dichloropropane-d6	6.09	67	146947	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.94%
41) Toluene-d8	7.34	98	425197	49.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.84%
43) trans-1,3-Dichloropropene-	7.64	79	73127	47.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.64%
47) 2-Hexanone-d5	8.11	63	107330	97.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.88%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	163696	45.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	167886	48.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.84%

Target Compounds

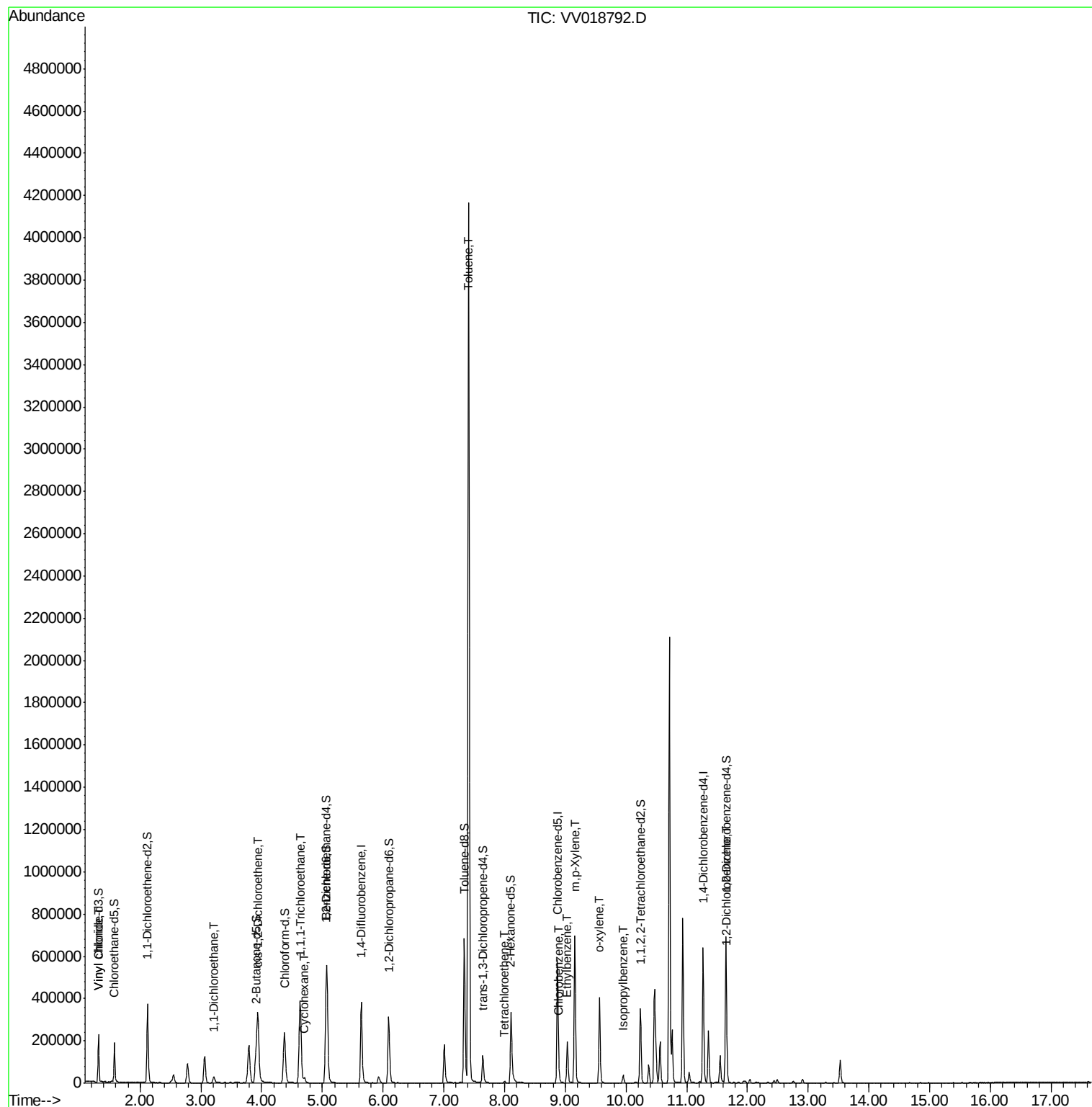
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	3110	1.159	ug/L	# 16
19) 1,1-Dichloroethane	3.21	63	29306	6.724	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	167654	71.429	ug/L	98
29) Cyclohexane	4.70	56	12750	3.531	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	306818	77.216	ug/L	99
42) Toluene	7.41	91	2811244	289.366	ug/L	97
46) Tetrachloroethene	8.00	164	1514	0.759	ug/L	92
51) Chlorobenzene	8.90	112	5417	0.840	ug/L	93
52) Ethylbenzene	9.03	91	129130	11.705	ug/L	100
53) m,p-Xylene	9.16	106	179213	44.254	ug/L	99
54) o-xylene	9.56	106	101261	26.327	ug/L	99
56) Isopropylbenzene	9.95	105	21988	2.066	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	5324	1.049	ug/L	91

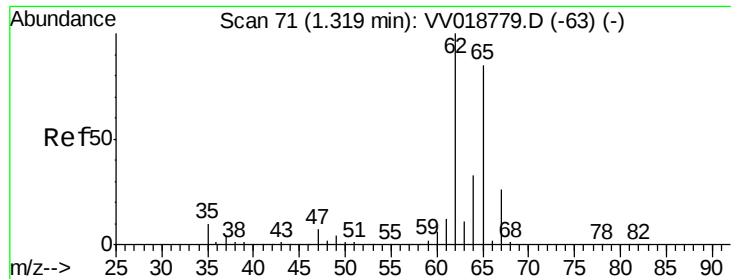
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
Data File : VV018792.D
Acq On : 09 Oct 2020 04:11
Operator : SY/MD
Sample : L4239-07 40X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG3N8

Quant Time: Oct 09 08:40:10 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





#5

Vinyl chloride

Concen: 1.159 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018792.D

Acq: 09 Oct 2020 04:11

Instrument :

MSVOA_V

ClientSampleId :

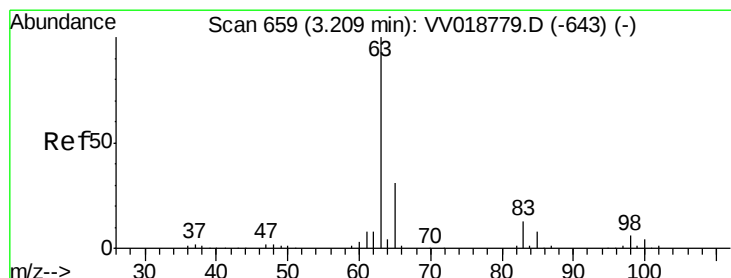
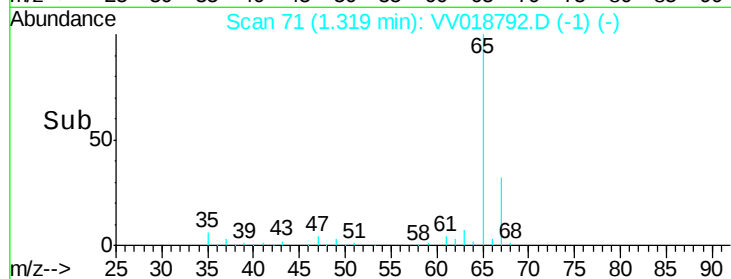
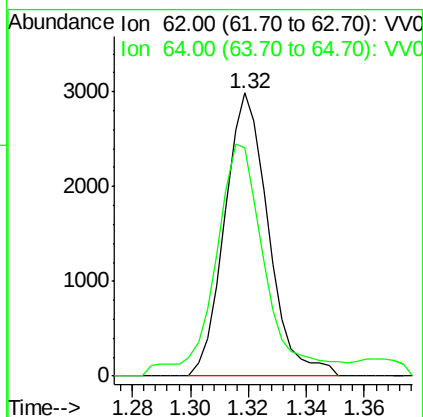
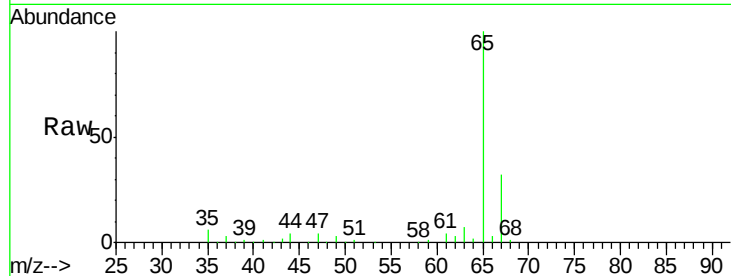
BG3N8

Tot Ion: 62 Resp: 3110

Ion Ratio Lower Upper

62 100

64 80.5 23.2 43.0#



#19

1,1-Dichloroethane

Concen: 6.724 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018792.D

Acq: 09 Oct 2020 04:11

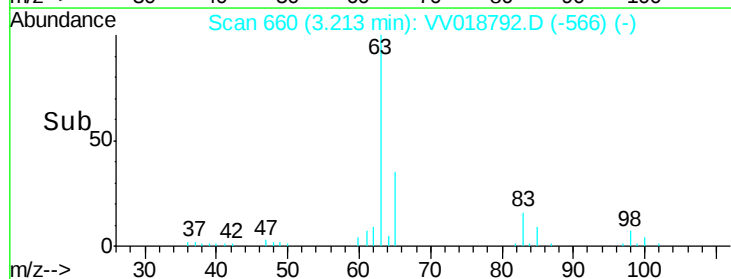
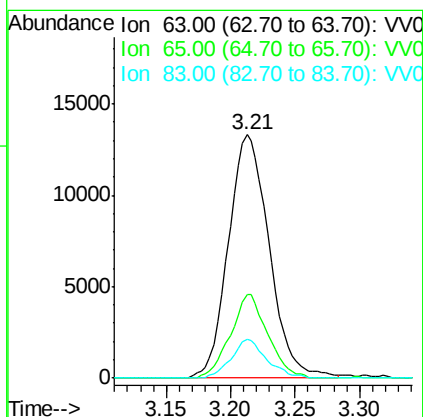
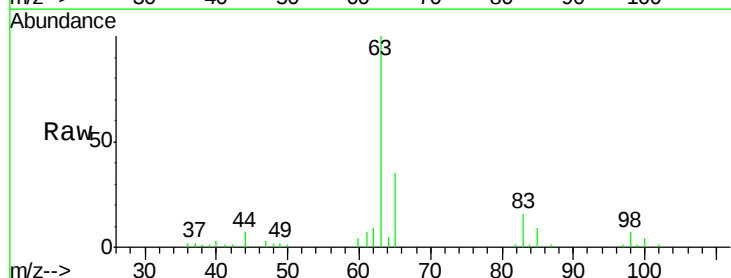
Tgt Ion: 63 Resp: 29306

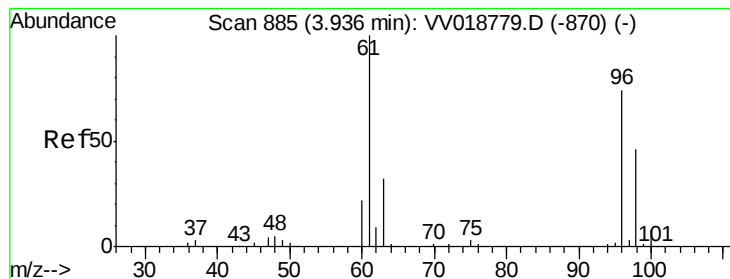
Ion Ratio Lower Upper

63 100

65 34.5 22.0 40.8

83 15.8 9.2 17.0





#20

cis-1,2-Dichloroethene

Concen: 71.429 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018792.D

Acq: 09 Oct 2020 04:11

Instrument :

MSVOA_V

ClientSampled :

BG3N8

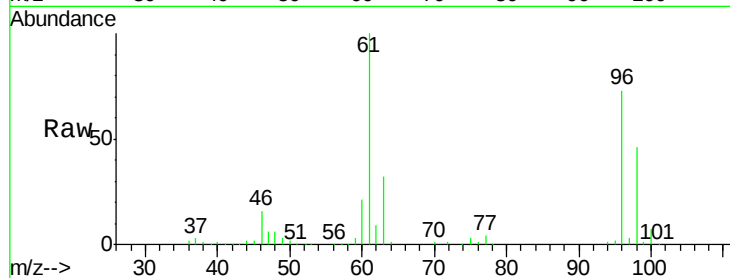
Tot Ion: 96 Resp: 167654

Ion Ratio Lower Upper

96 100

61 136.9 97.3 180.7

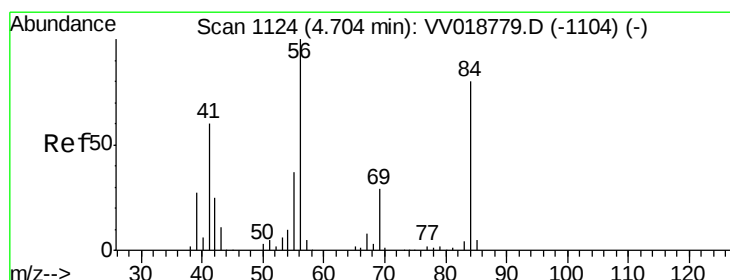
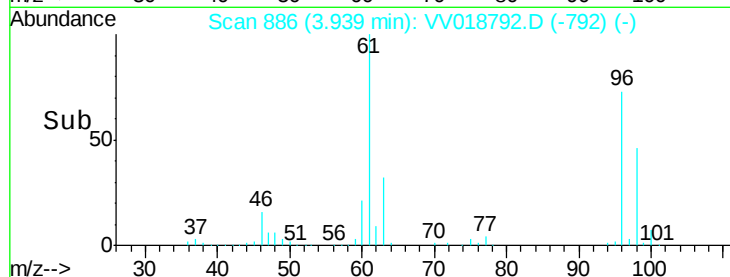
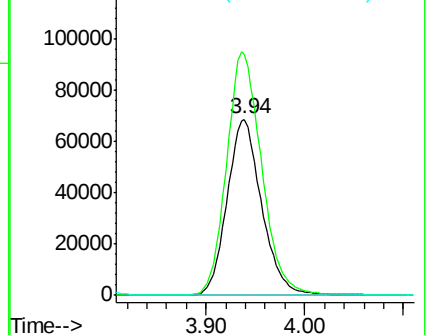
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0



#29

Cyclohexane

Concen: 3.531 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018792.D

Acq: 09 Oct 2020 04:11

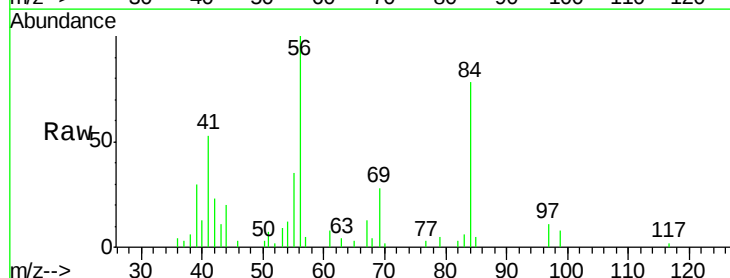
Tgt Ion: 56 Resp: 12750

Ion Ratio Lower Upper

56 100

69 27.5 23.1 34.7

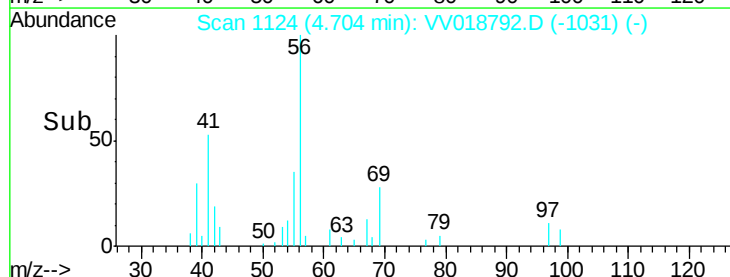
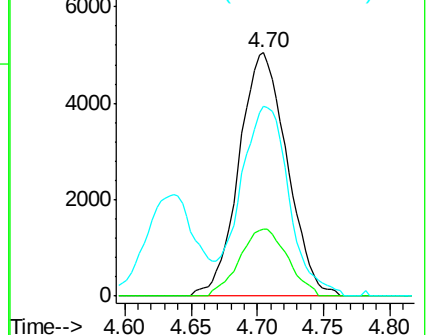
84 78.6 65.2 97.8

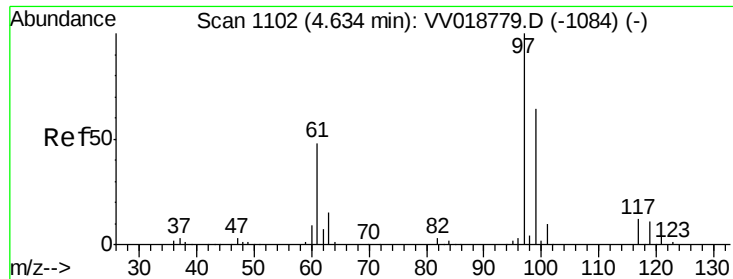


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

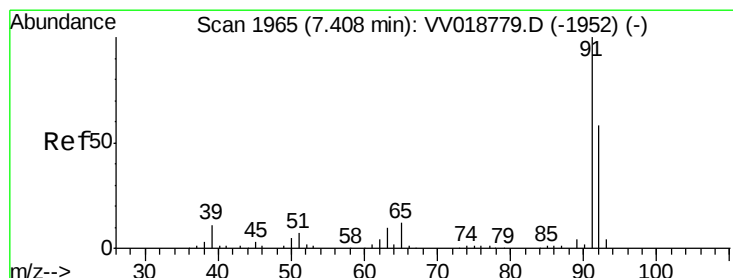
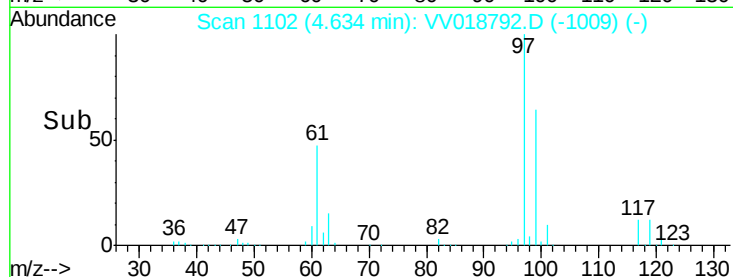
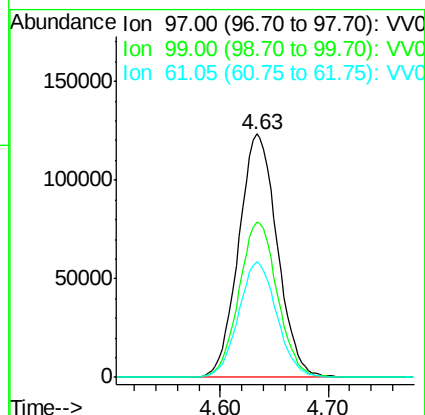
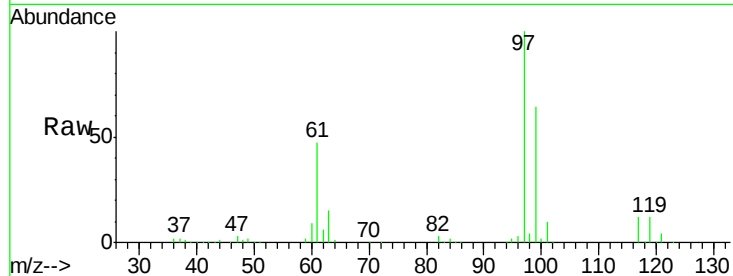




#30
 1,1,1-Trichloroethane
 Concen: 77.216 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV018792.D
 Acq: 09 Oct 2020 04:11

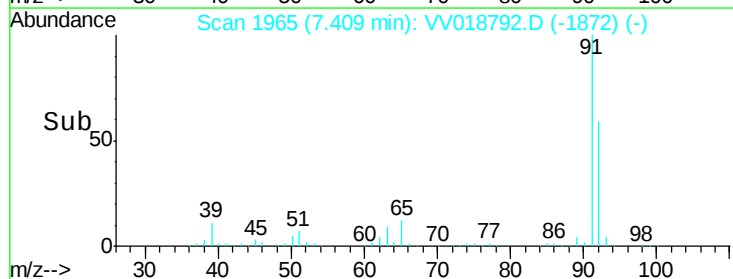
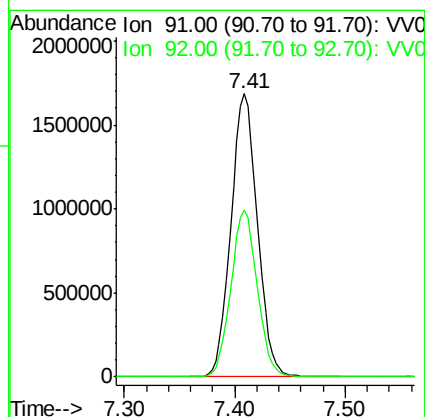
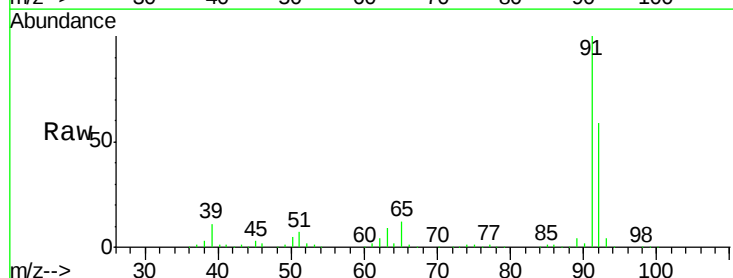
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3N8

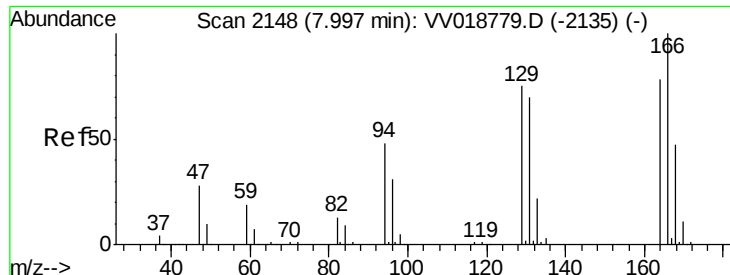
Tot Ion: 97 Resp: 306818
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.0 76.4
 61 47.1 37.0 55.4



#42
 Toluene
 Concen: 289.366 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VV018792.D
 Acq: 09 Oct 2020 04:11

Tgt Ion: 91 Resp: 2811244
 Ion Ratio Lower Upper
 91 100
 92 58.8 39.8 74.0





#46

Tetrachloroethene

Concen: 0.759 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018792.D

Acq: 09 Oct 2020 04:11

Instrument :

MSVOA_V

ClientSampleId :

BG3N8

Tot Ion:164 Resp: 1514

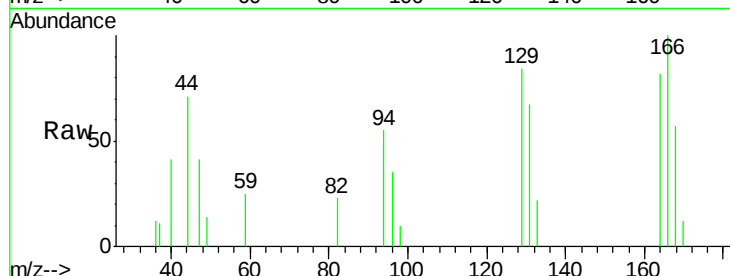
Ion Ratio Lower Upper

164 100

129 103.1 64.6 120.0

131 81.6 63.6 118.0

166 122.1 88.3 164.1

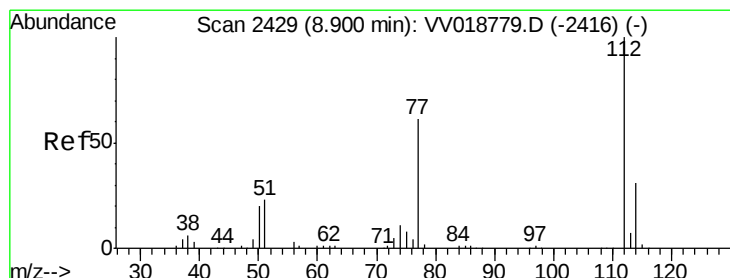
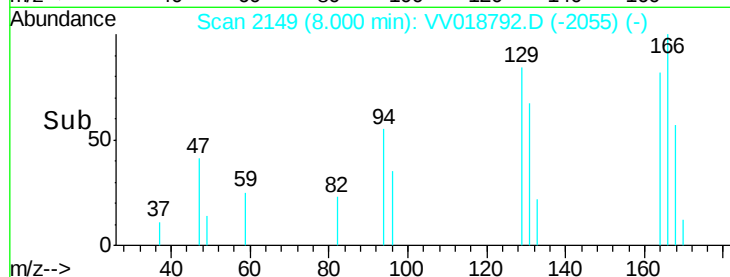
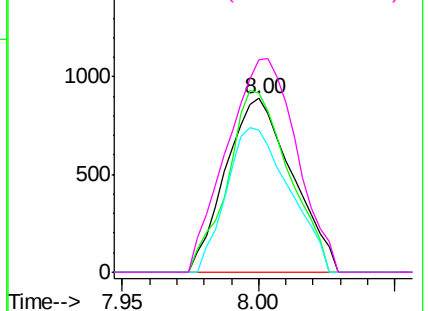


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51

Chlorobenzene

Concen: 0.840 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018792.D

Acq: 09 Oct 2020 04:11

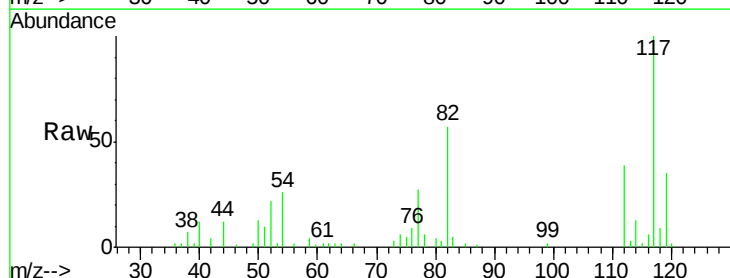
Tgt Ion:112 Resp: 5417

Ion Ratio Lower Upper

112 100

114 33.4 22.0 41.0

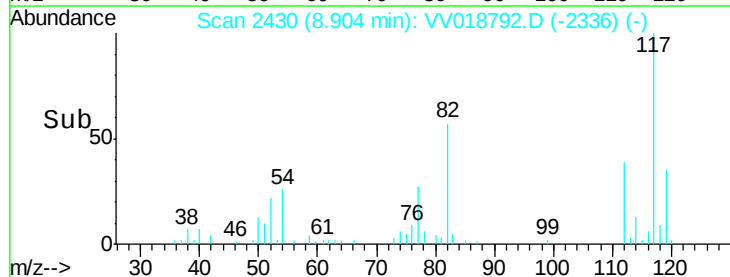
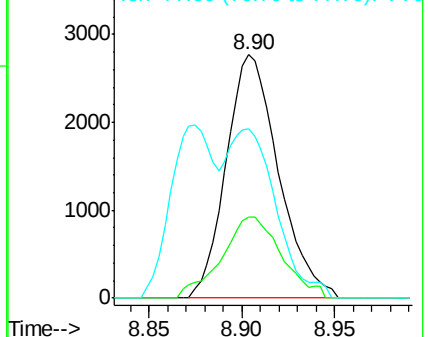
77 69.3 49.8 74.6

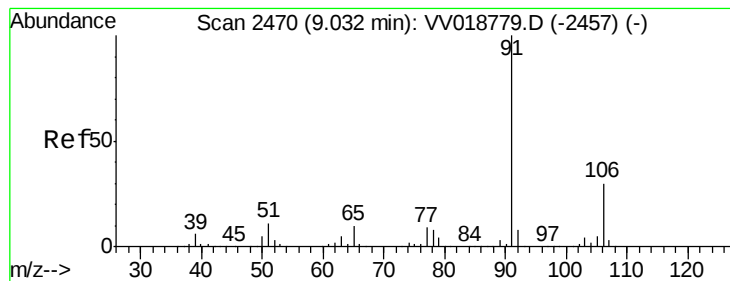


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 11.705 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018792.D

Acq: 09 Oct 2020 04:11

Instrument :

MSVOA_V

ClientSampleId :

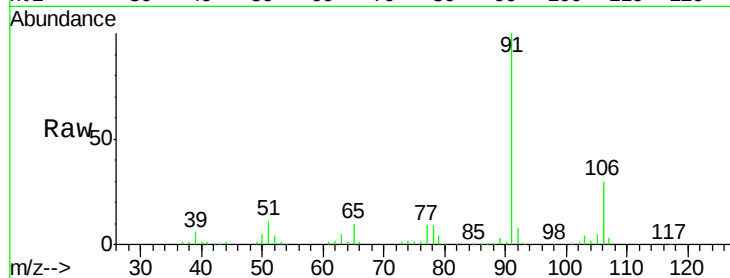
BG3N8

Tot Ion: 91 Resp: 129130

Ion Ratio Lower Upper

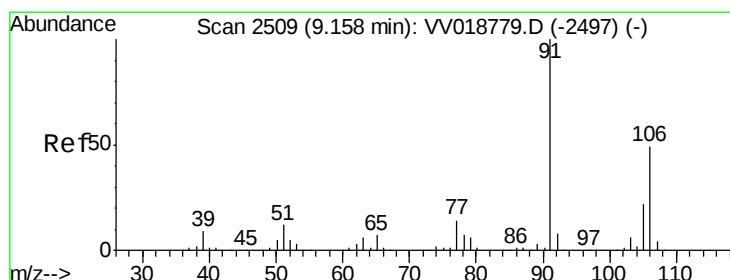
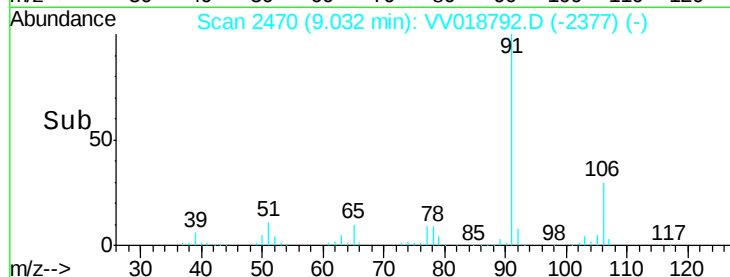
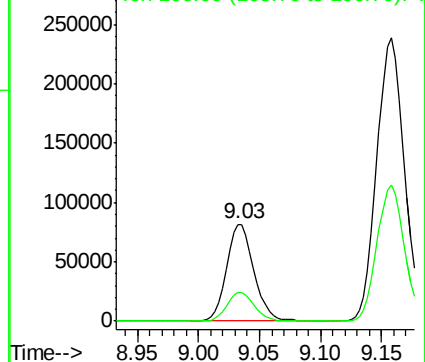
91 100

106 29.7 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 44.254 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018792.D

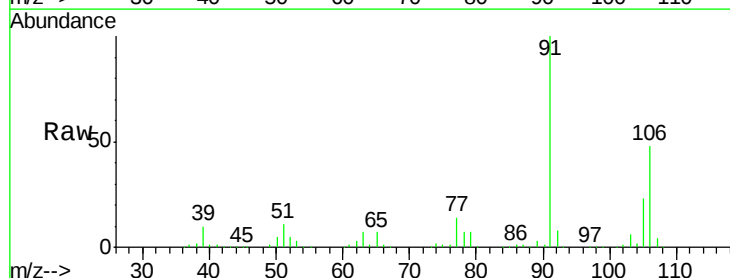
Acq: 09 Oct 2020 04:11

Tgt Ion: 106 Resp: 179213

Ion Ratio Lower Upper

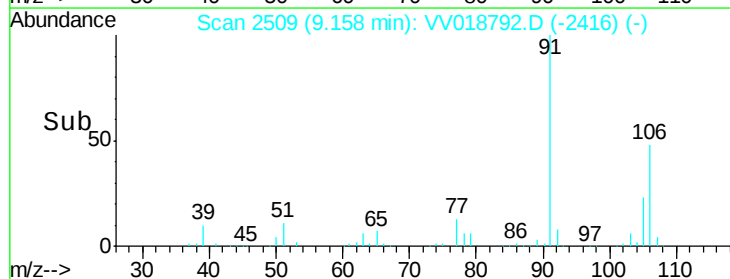
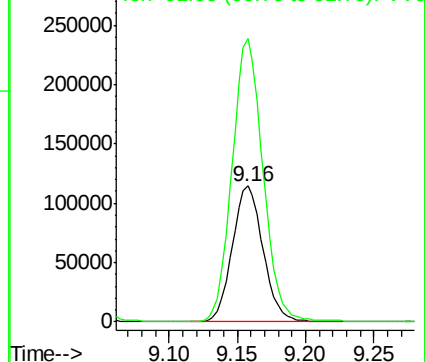
106 100

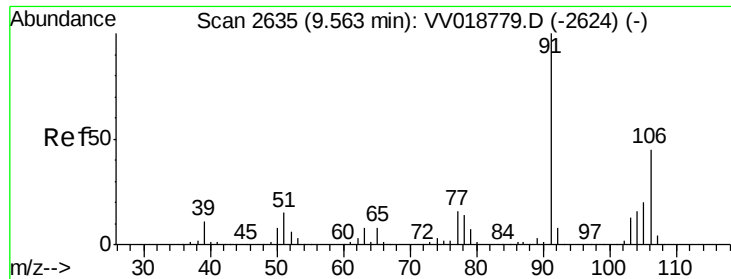
91 208.0 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 26.327 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018792.D

Acq: 09 Oct 2020 04:11

Instrument :

MSVOA_V

ClientSampleId :

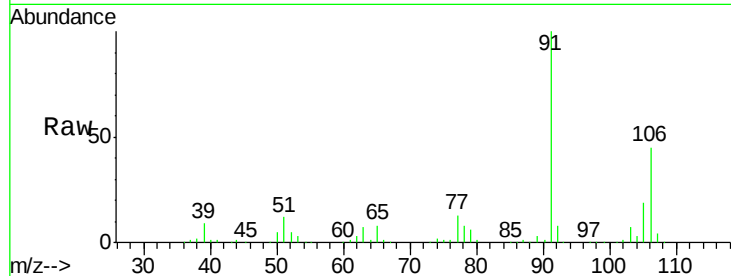
BG3N8

Tot Ion:106 Resp: 101261

Ion Ratio Lower Upper

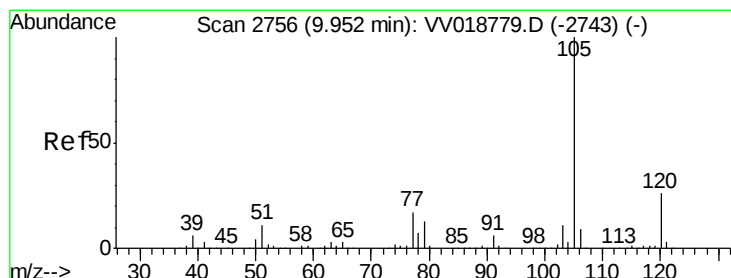
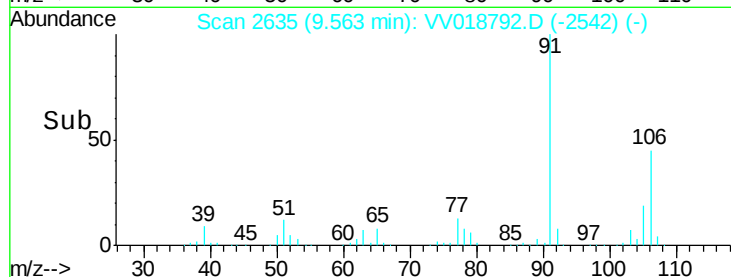
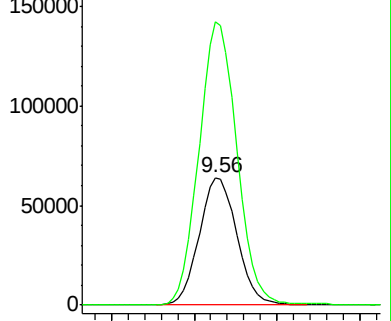
106 100

91 222.3 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 2.066 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018792.D

Acq: 09 Oct 2020 04:11

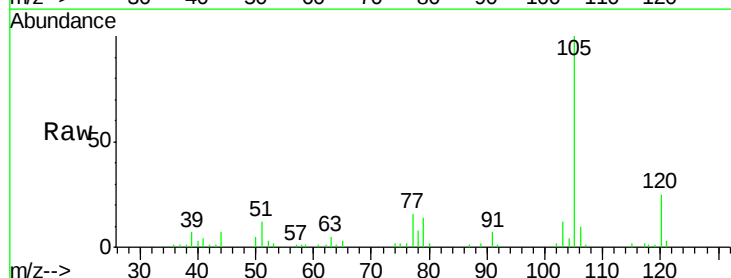
Tgt Ion:105 Resp: 21988

Ion Ratio Lower Upper

105 100

120 25.4 20.4 30.6

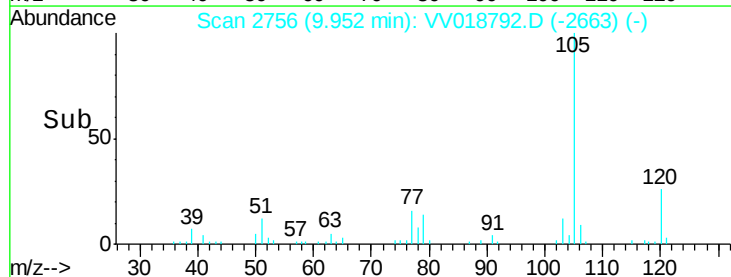
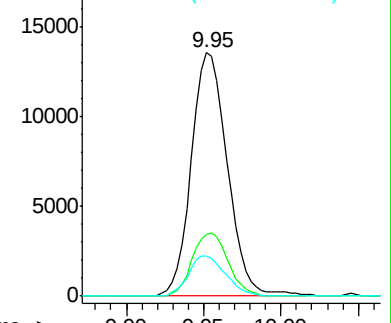
77 16.8 13.0 19.6

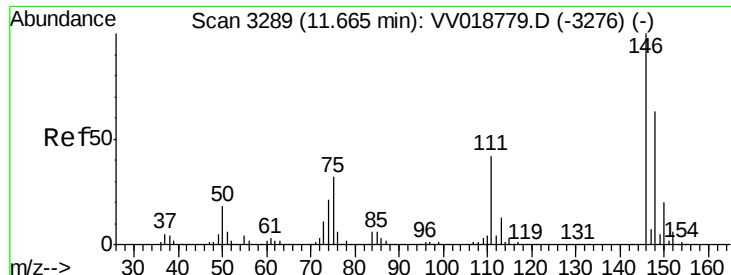


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#65
 1,2-Dichlorobenzene
 Concen: 1.049 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018792.D
 Acq: 09 Oct 2020 04:11

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3N8

Tot Ion:146 Resp: 5324
 Ion Ratio Lower Upper
 146 100
 111 49.1 33.8 50.6
 148 68.3 50.3 75.5

