

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121019\
 Data File : VV013992.D
 Acq On : 10 Dec 2019 17:24
 Operator : SY/MD
 Sample : K6202-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0C07

Quant Time: Dec 11 02:27:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 11 00:25:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	578843	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	551503	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	232883	50.00	ug/L	0.00

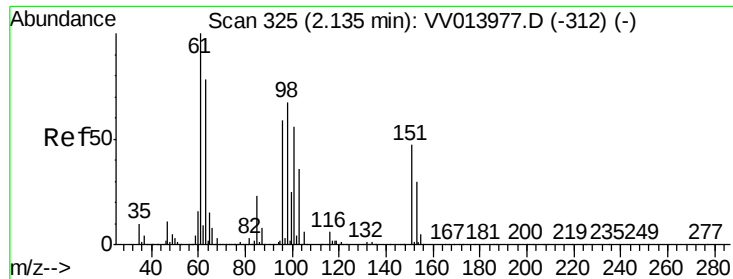
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	146501	43.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.52%
7) Chloroethane-d5	1.56	69	158450	45.34	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.68%
11) 1,1-Dichloroethene-d2	2.12	63	246838	33.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.68%
21) 2-Butanone-d5	3.92	46	222856	94.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.58%
24) Chloroform-d	4.40	84	306458	43.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.18%
26) 1,2-Dichloroethane-d4	5.07	65	194065	43.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.12%
32) Benzene-d6	5.09	84	614618	43.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.02%
36) 1,2-Dichloropropane-d6	6.11	67	181855	42.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.78%
41) Toluene-d8	7.36	98	509123	39.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.16%#
43) trans-1,3-Dichloropropene-	7.66	79	77598	37.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.36%
47) 2-Hexanone-d5	8.13	63	128328	80.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	257571	41.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.94%
64) 1,2-Dichlorobenzene-d4	11.67	152	214387	46.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.74%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3678	0.845 ug/L #	40
13) Acetone	2.19	43	6995	2.026 ug/L	99
14) Carbon disulfide	2.31	76	6866	0.619 ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	4998	0.654 ug/L	96
63) 1,4-Dichlorobenzene	11.31	146	6436	0.815 ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	6328	0.828 ug/L #	85
68) 1,2,4-trichlorobenzene	13.30	180	6225	1.112 ug/L	94
70) 1,2,3-Trichlorobenzene	13.79	180	8372	1.430 ug/L	98

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.845 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013992.D

Acq: 10 Dec 2019 17:24

Instrument :

MSVOA_V

ClientSampleId :

C0C07

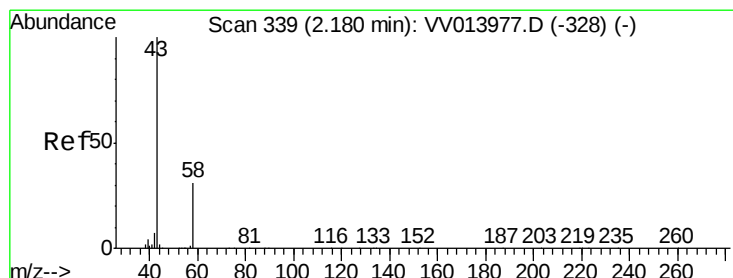
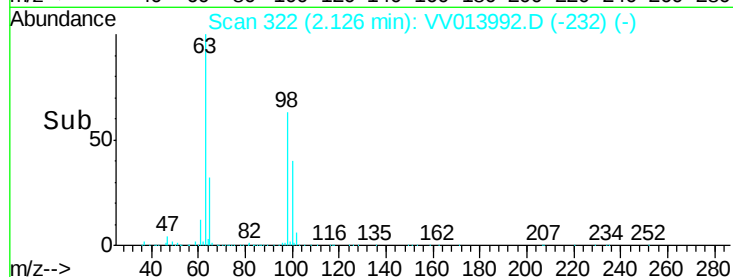
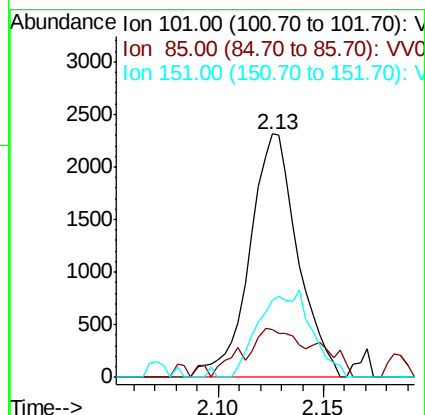
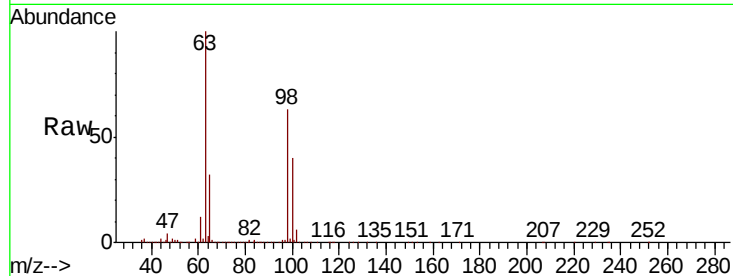
Tot Ion:101 Resp: 3678

Ion Ratio Lower Upper

101 100

85 12.0 32.5 48.7#

151 25.5 69.8 104.6#



#13

Acetone

Concen: 2.026 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV013992.D

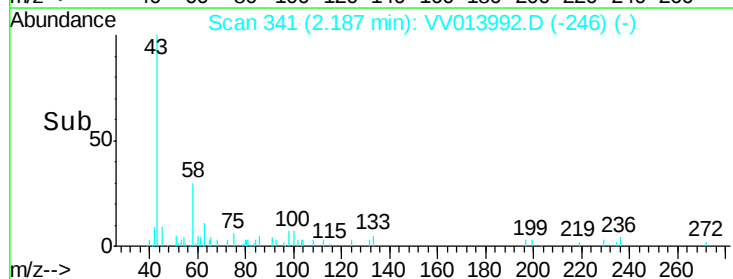
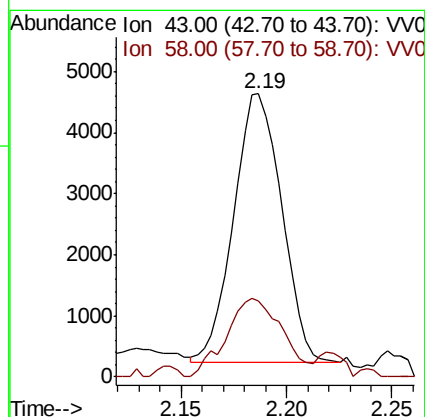
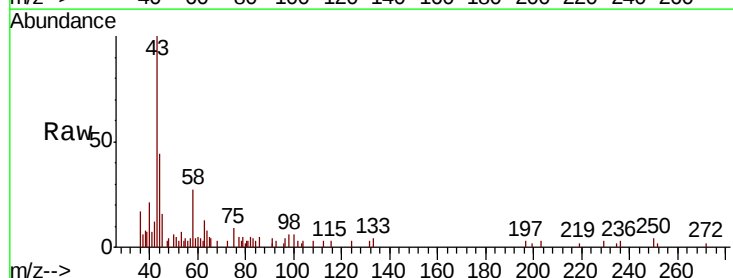
Acq: 10 Dec 2019 17:24

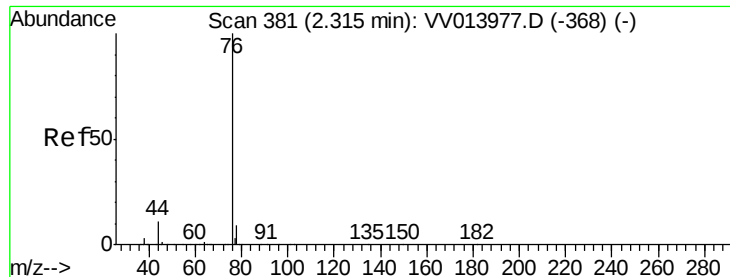
Tgt Ion: 43 Resp: 6995

Ion Ratio Lower Upper

43 100

58 30.8 0.0 60.8





#14

Carbon disulfide

Concen: 0.619 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013992.D

Acq: 10 Dec 2019 17:24

Instrument :

MSVOA_V

ClientSampled :

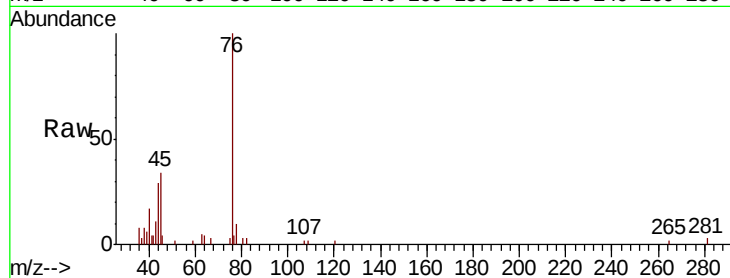
C0C07

Tot Ion: 76 Resp: 6866

Ion Ratio Lower Upper

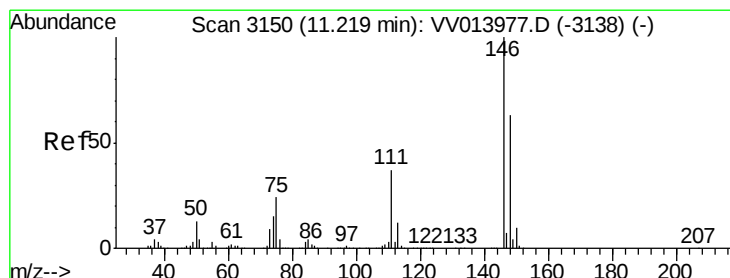
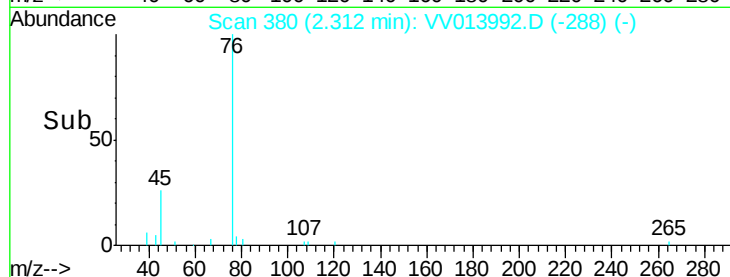
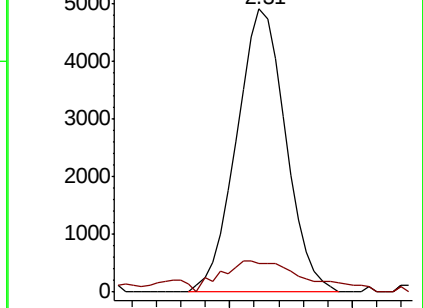
76 100

78 10.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV013977.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV013977.D (-368) (-)



#62

1,3-Dichlorobenzene

Concen: 0.654 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013992.D

Acq: 10 Dec 2019 17:24

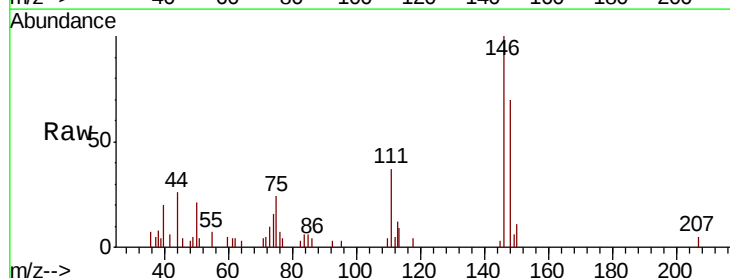
Tgt Ion: 146 Resp: 4998

Ion Ratio Lower Upper

146 100

111 37.1 25.8 48.0

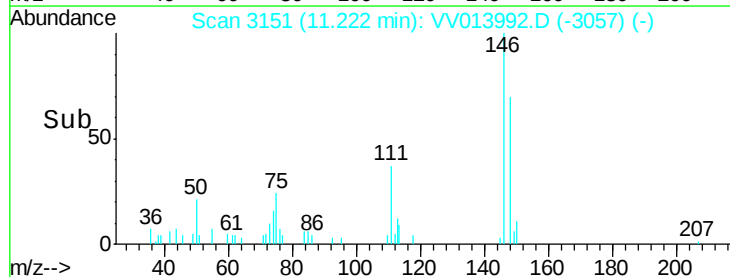
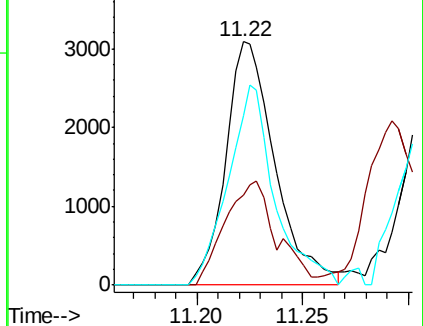
148 69.7 45.2 84.0

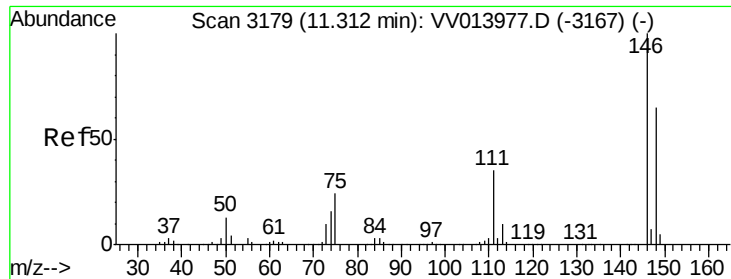


Abundance Ion 146.00 (145.70 to 146.70): VV013977.D (-3138) (-)

Ion 111.00 (110.70 to 111.70): VV013977.D (-3138) (-)

Ion 148.00 (147.70 to 148.70): VV013977.D (-3138) (-)





#63

1,4-Dichlorobenzene

Concen: 0.815 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013992.D

Acq: 10 Dec 2019 17:24

Instrument :

MSVOA_V

ClientSampled :

C0C07

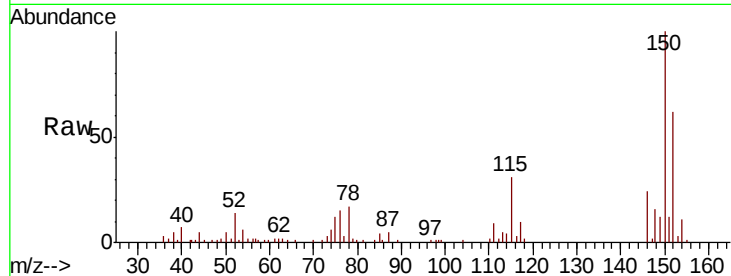
Tot Ion:146 Resp: 6436

Ion Ratio Lower Upper

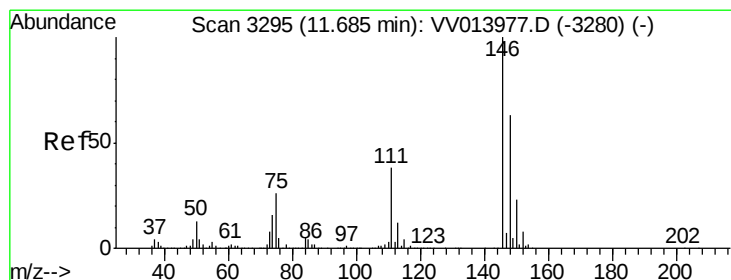
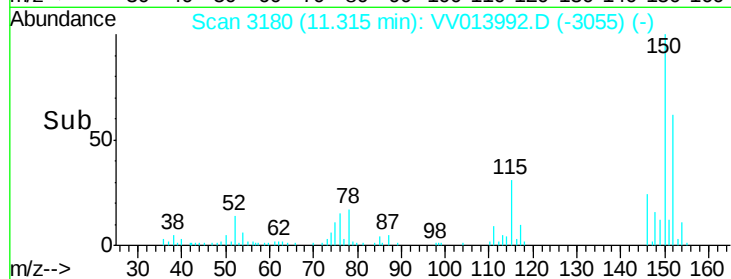
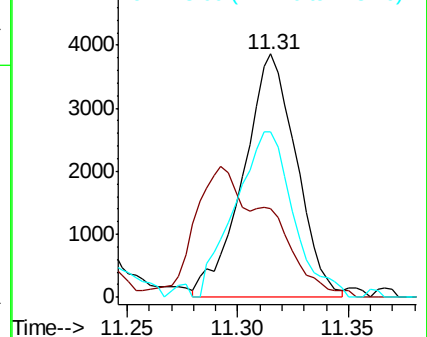
146 100

111 36.6 25.4 47.2

148 67.9 44.9 83.5



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



#65

1,2-Dichlorobenzene

Concen: 0.828 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013992.D

Acq: 10 Dec 2019 17:24

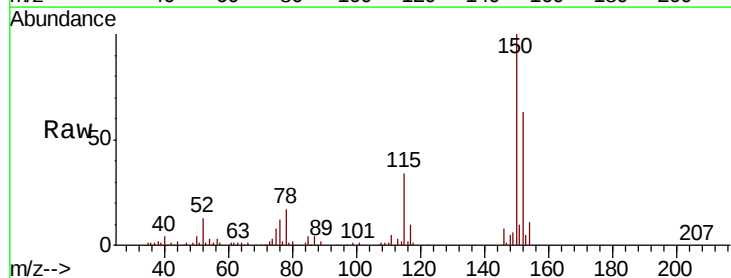
Tgt Ion:146 Resp: 6328

Ion Ratio Lower Upper

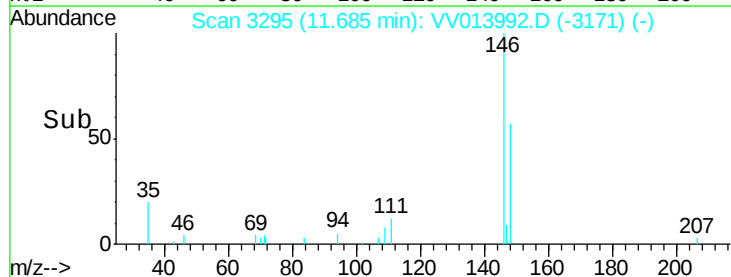
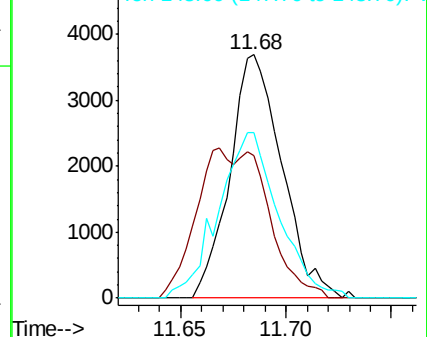
146 100

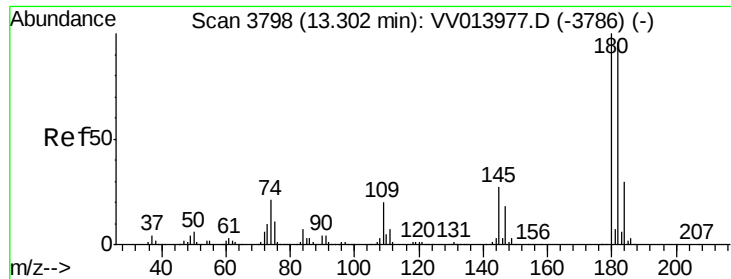
111 58.5 31.4 47.0#

148 67.8 51.5 77.3



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: 1.112 ug/L

RT: 13.30 min Scan# 3798

Delta R.T. -0.00 min

Lab File: VV013992.D

Acq: 10 Dec 2019 17:24

Instrument :

MSVOA_V

ClientSampled :

C0C07

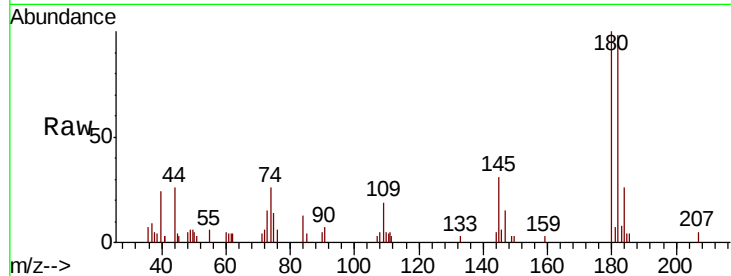
Tot Ion:180 Resp: 6225

Ion Ratio Lower Upper

180 100

182 101.6 76.2 114.4

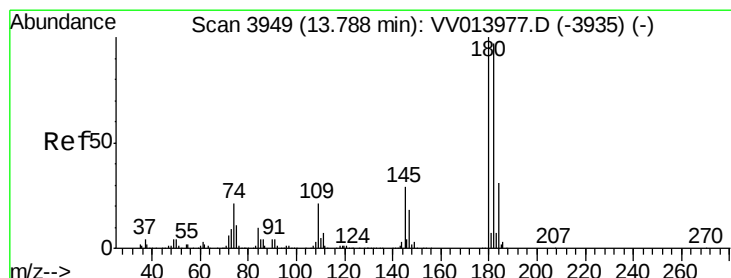
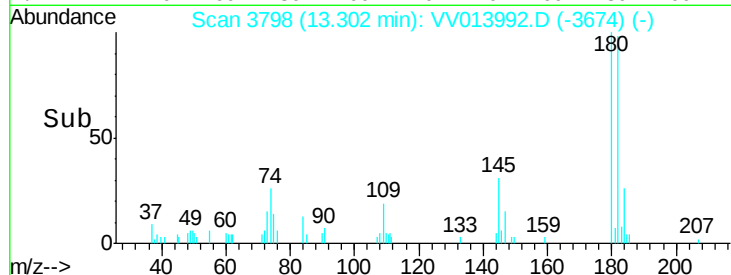
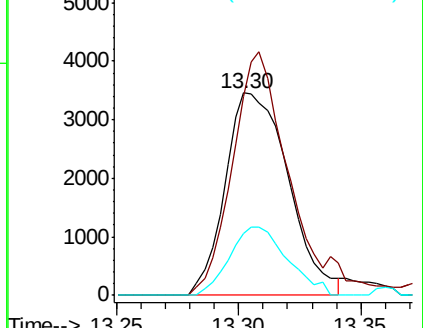
145 30.9 21.9 32.9



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: 1.430 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013992.D

Acq: 10 Dec 2019 17:24

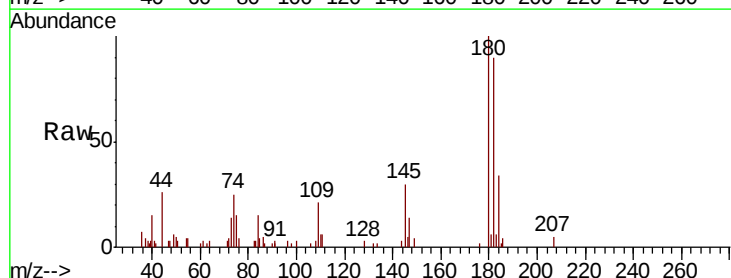
Tgt Ion:180 Resp: 8372

Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.4

145 30.0 22.6 34.0



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

