

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031720\
 Data File : VV014997.D
 Acq On : 18 Mar 2020 01:10
 Operator : SY/MD
 Sample : L1940-12
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA6

Quant Time: Mar 18 08:21:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 07:43:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	318003	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	312546	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	154108	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71239	33.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.26%
7) Chloroethane-d5	1.58	69	63456	40.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.66%
11) 1,1-Dichloroethene-d2	2.12	63	96623	29.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.46%#
21) 2-Butanone-d5	3.93	46	108489	83.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.99%
24) Chloroform-d	4.38	84	193419	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
26) 1,2-Dichloroethane-d4	5.06	65	130576	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
32) Benzene-d6	5.08	84	392628	45.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.10	67	118822	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.68%
41) Toluene-d8	7.34	98	374938	44.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.06%
43) trans-1,3-Dichloropropene-	7.64	79	56509	41.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.90%
47) 2-Hexanone-d5	8.12	63	104830	90.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.58%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	173634	46.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	166127	49.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.42%

Target Compounds

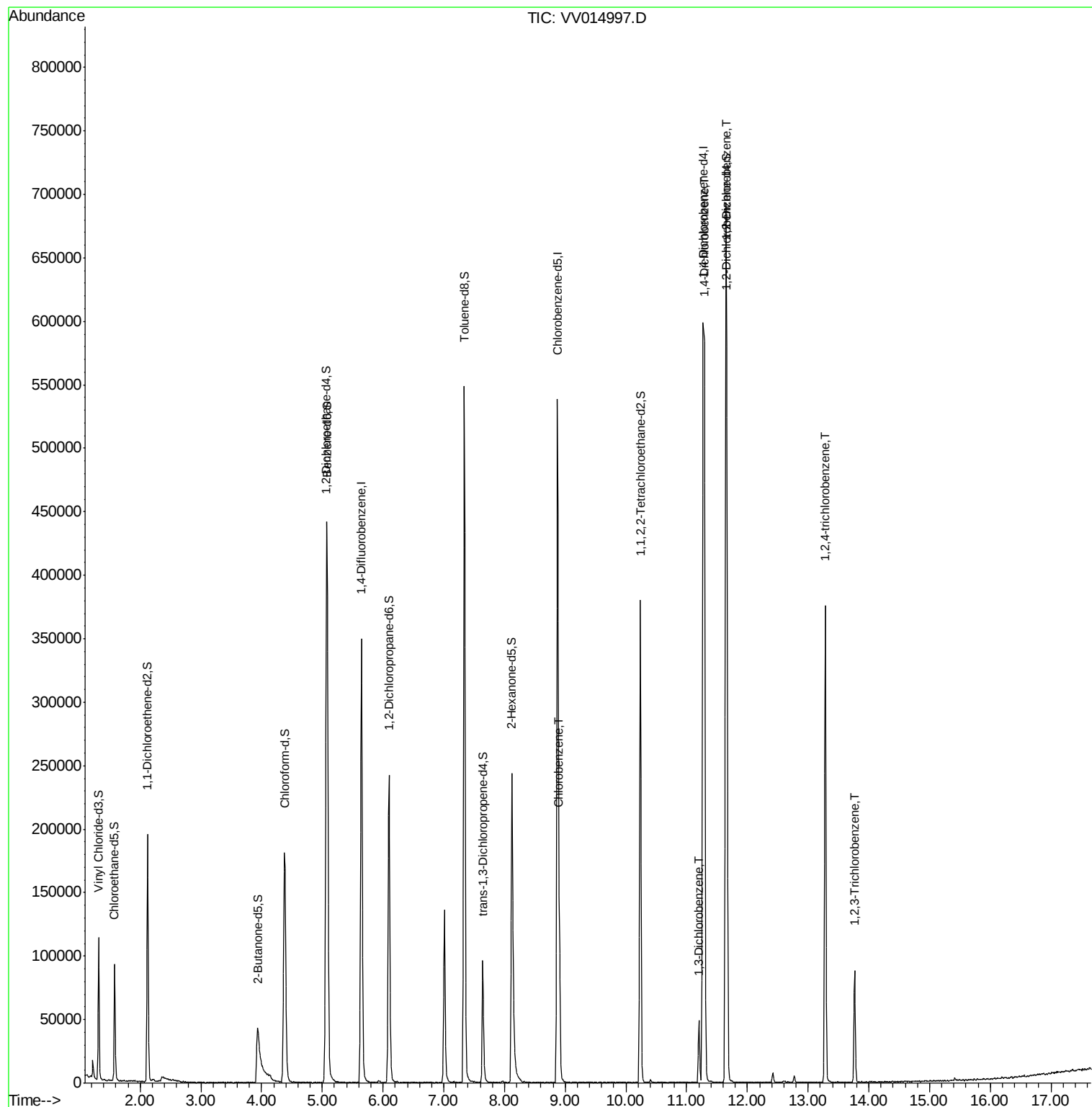
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	8.90	112	64631	9.807	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	21980	4.328	ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	224438	43.873	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	158962	31.336	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	123047	34.672	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	30496	8.681	ug/L	98

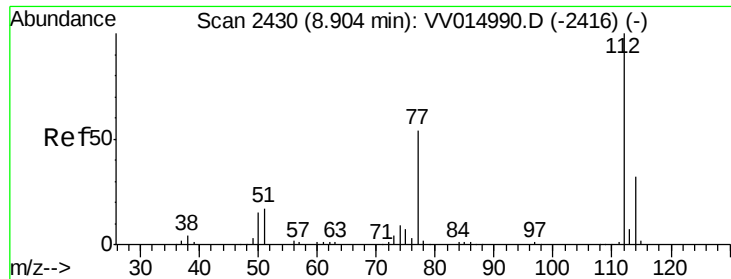
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 07:43:00 2020
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 9.807 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV014997.D

Acq: 18 Mar 2020 01:10

Instrument :

MSVOA_V

ClientSampleId :

C0DA6

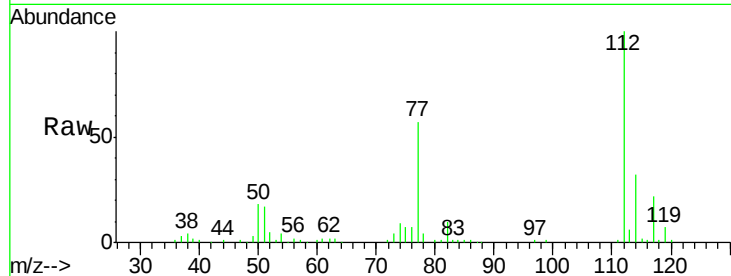
Tot Ion:112 Resp: 64631

Ion Ratio Lower Upper

112 100

114 32.3 22.8 42.4

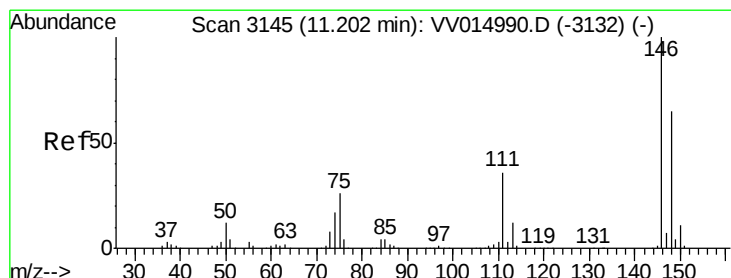
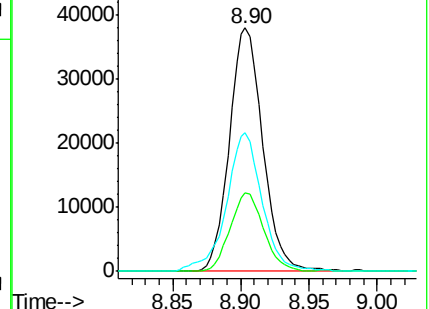
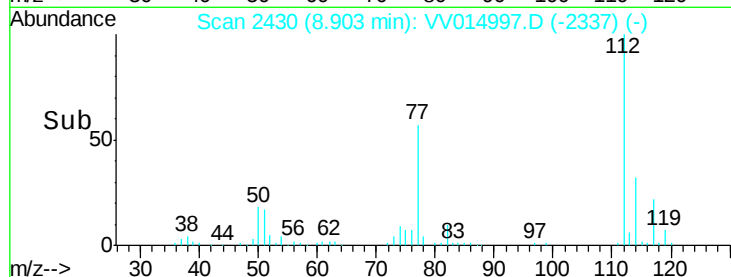
77 57.2 44.5 66.7



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): V



#62

1,3-Dichlorobenzene

Concen: 4.328 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV014997.D

Acq: 18 Mar 2020 01:10

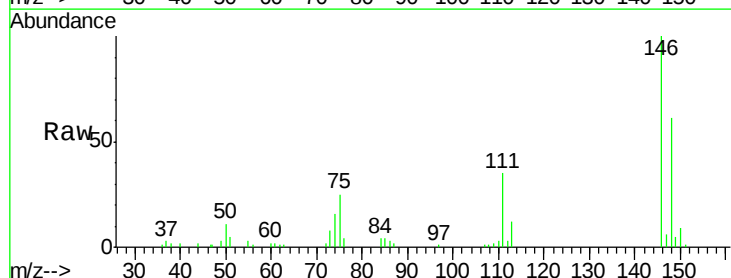
Tgt Ion:146 Resp: 21980

Ion Ratio Lower Upper

146 100

111 35.5 26.5 49.3

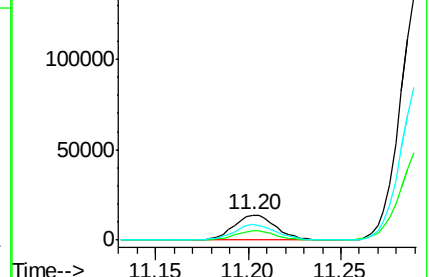
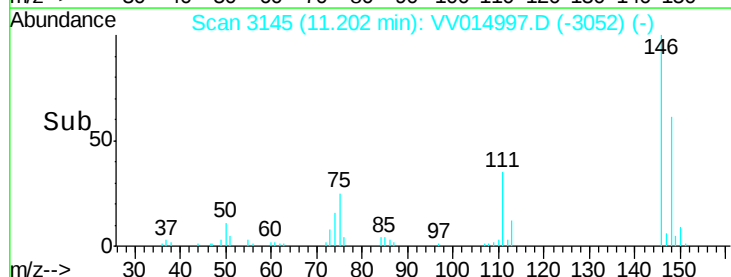
148 61.1 45.4 84.2

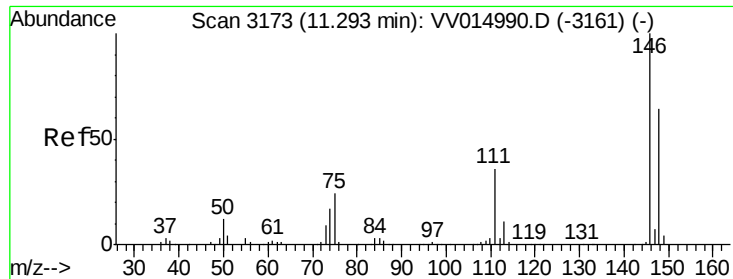


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

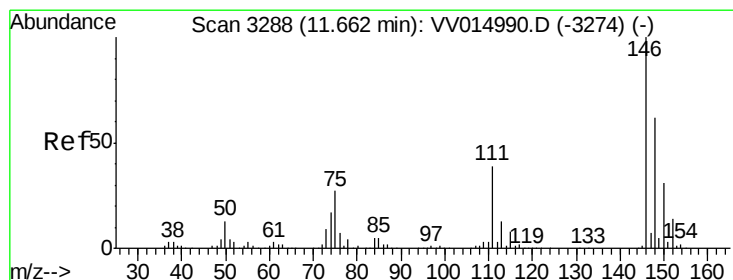
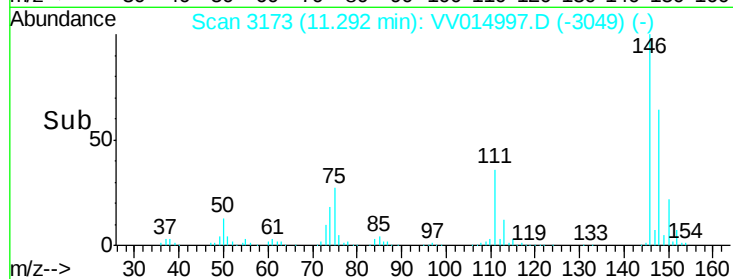
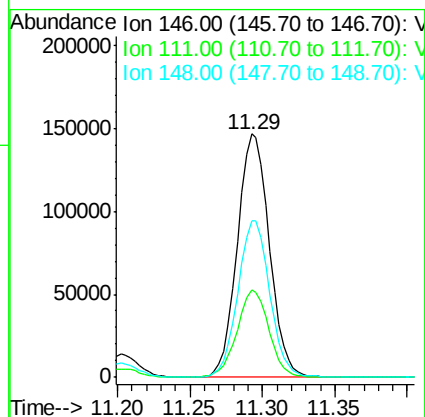
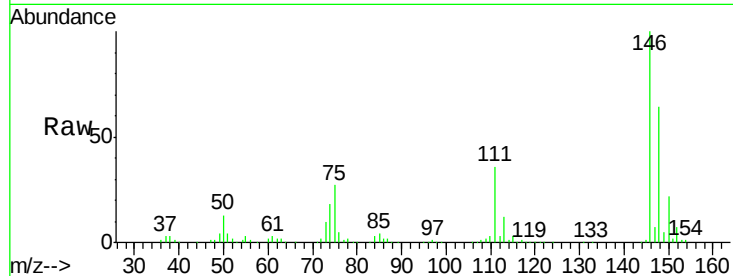




#63
 1,4-Dichlorobenzene
 Concen: 43.873 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV014997.D
 Acq: 18 Mar 2020 01:10

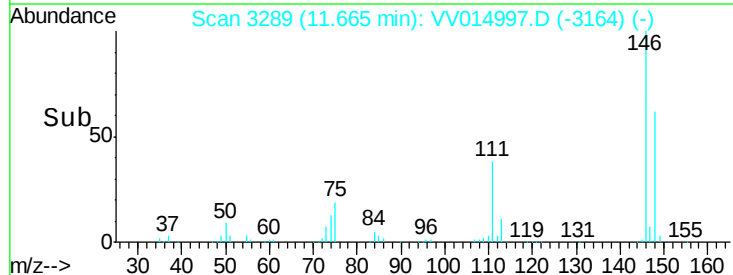
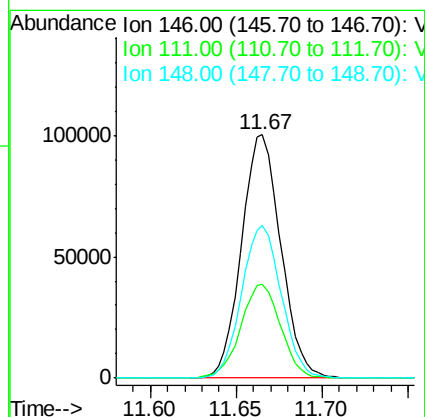
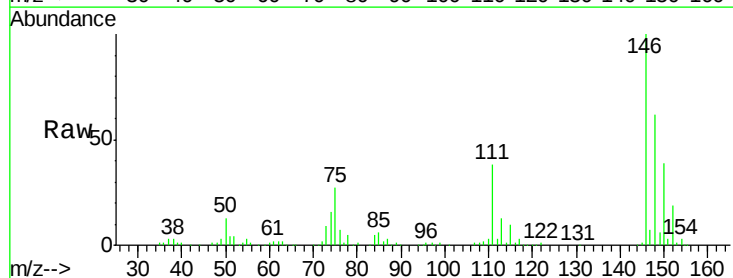
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 C0DA6

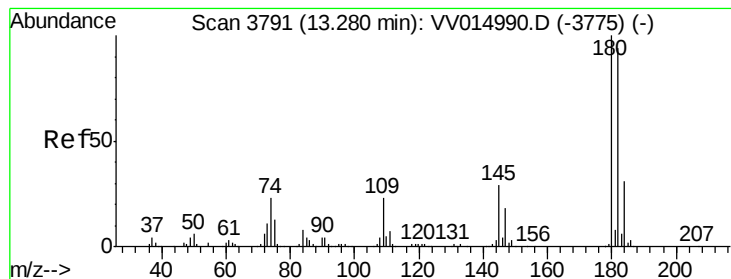
Tot Ion:146 Resp: 224438
 Ion Ratio Lower Upper
 146 100
 111 35.8 26.0 48.2
 148 64.3 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 31.336 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014997.D
 Acq: 18 Mar 2020 01:10

Tgt Ion:146 Resp: 158962
 Ion Ratio Lower Upper
 146 100
 111 38.5 31.6 47.4
 148 62.5 52.2 78.4





#68

1,2,4-trichlorobenzene

Concen: 34.672 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV014997.D

Acq: 18 Mar 2020 01:10

Instrument :

MSVOA_V

ClientSampled :

C0DA6

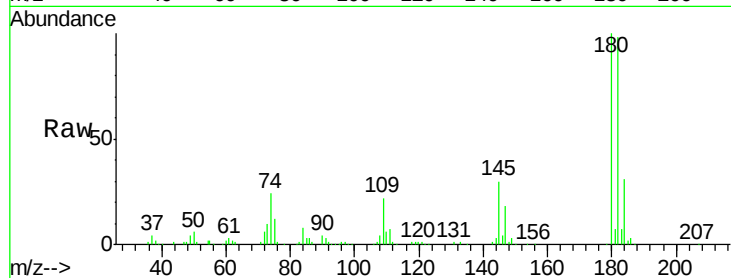
Tot Ion:180 Resp: 123047

Ion Ratio Lower Upper

180 100

182 96.6 76.3 114.5

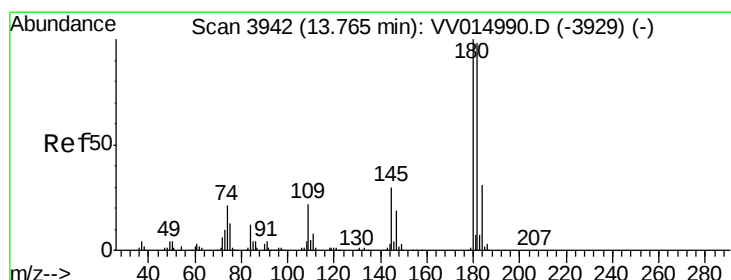
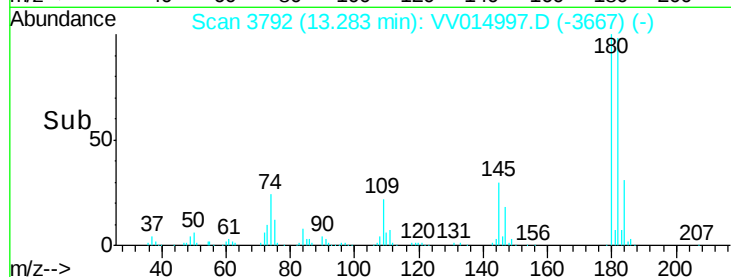
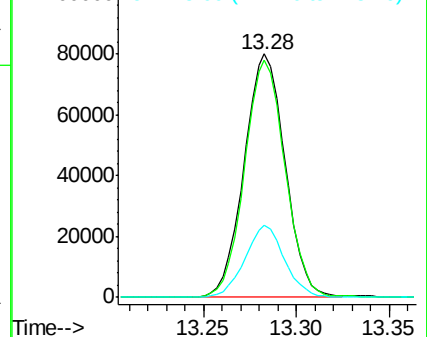
145 28.6 23.1 34.7



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: 8.681 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV014997.D

Acq: 18 Mar 2020 01:10

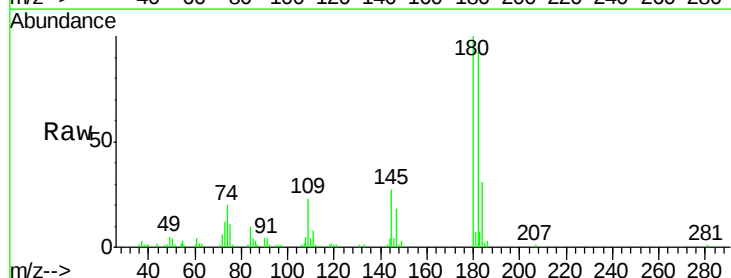
Tgt Ion:180 Resp: 30496

Ion Ratio Lower Upper

180 100

182 93.4 76.2 114.4

145 27.9 24.1 36.1



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

