

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015350.D
 Acq On : 01 Apr 2020 23:29
 Operator : SY/MD
 Sample : L2005-02 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CODE2

Quant Time: Apr 02 06:35:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 03:22:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	662617	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	632130	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	288513	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	160335	26.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	53.98%#
7) Chloroethane-d5	1.58	69	164475	32.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.82%#
11) 1,1-Dichloroethene-d2	2.12	63	255684	24.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	48.16%#
21) 2-Butanone-d5	3.94	46	294310	93.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.20%
24) Chloroform-d	4.38	84	374651	38.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.40%
26) 1,2-Dichloroethane-d4	5.06	65	249301	40.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.60%
32) Benzene-d6	5.07	84	738329	37.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.86%
36) 1,2-Dichloropropane-d6	6.09	67	235064	40.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.90%
41) Toluene-d8	7.34	98	679609	36.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.02%#
43) trans-1,3-Dichloropropene-	7.64	79	107044	33.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.50%
47) 2-Hexanone-d5	8.12	63	233716	89.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.16%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	362590	44.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	281476	42.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.78%

Target Compounds

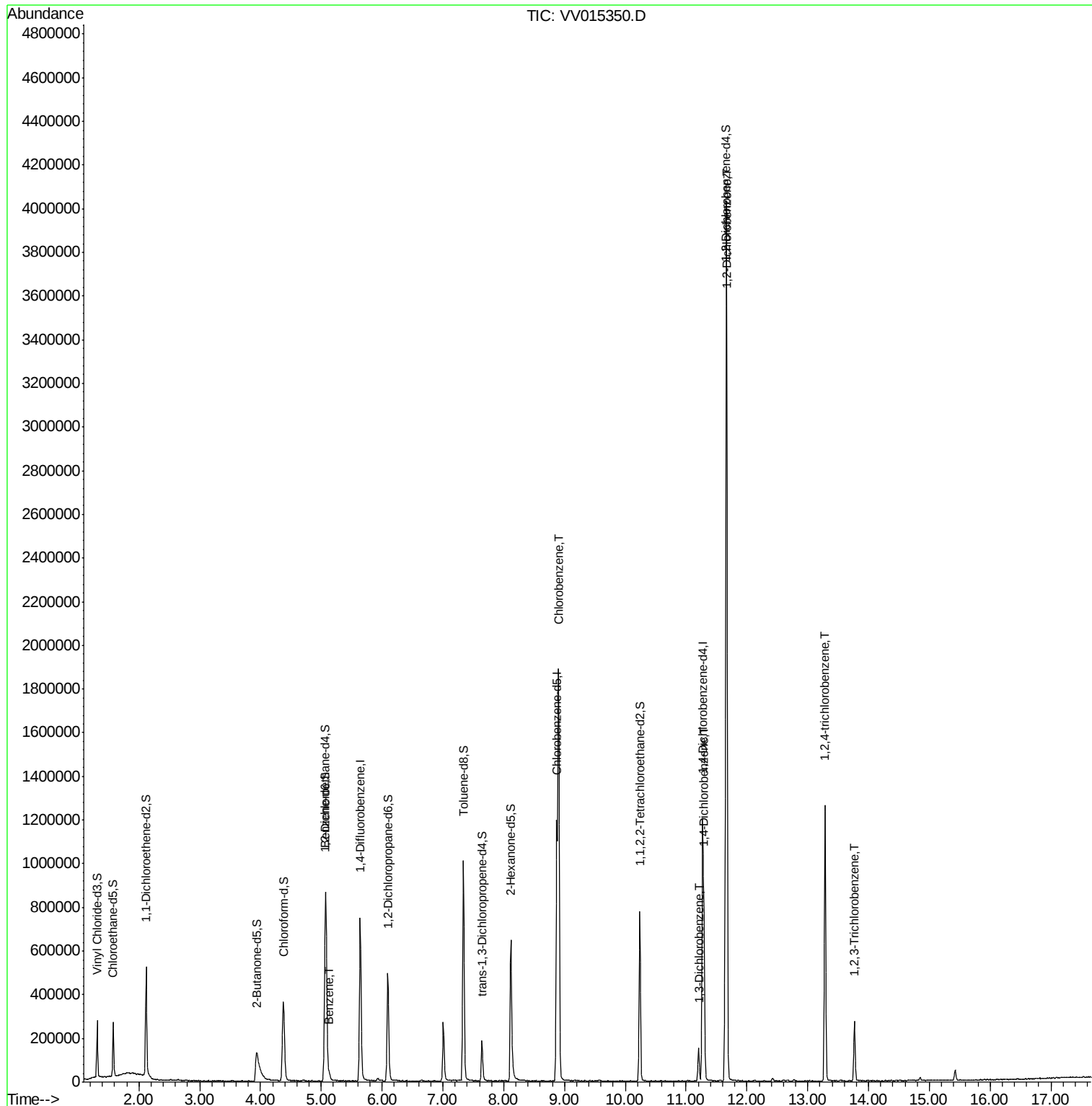
					Ovalue
33) Benzene	5.13	78	32135	1.718	ug/L 100
51) Chlorobenzene	8.90	112	1020572	74.888	ug/L 98
62) 1,3-Dichlorobenzene	11.21	146	61161	6.297	ug/L 99
63) 1,4-Dichlorobenzene	11.30	146	276946	28.114	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	1507021	152.121	ug/L 99
68) 1,2,4-trichlorobenzene	13.29	180	358079	60.900	ug/L 99
70) 1,2,3-Trichlorobenzene	13.77	180	78334	12.933	ug/L 99

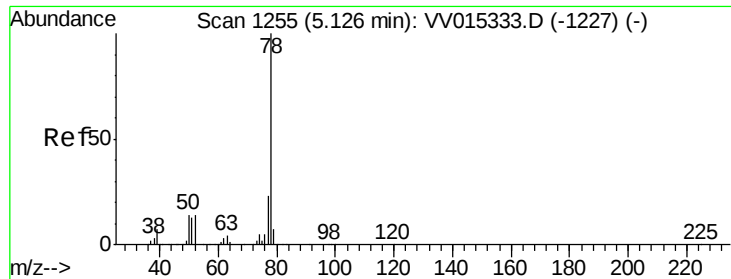
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_V
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C0DE2

Quant Time: Apr 02 06:35:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 02 03:22:54 2020
Response via : Initial Calibration





#33

Benzene

Concen: 1.718 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:29

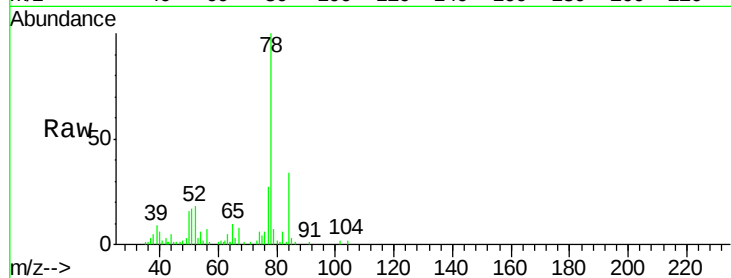
Instrument :

MSVOA_V

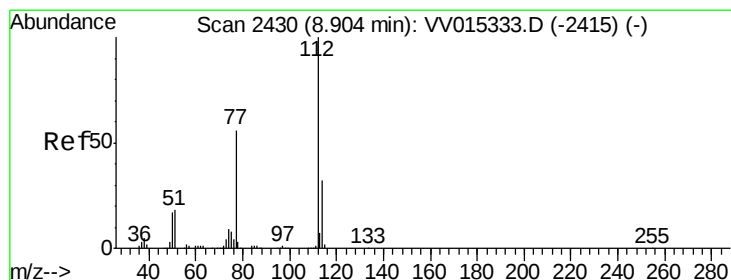
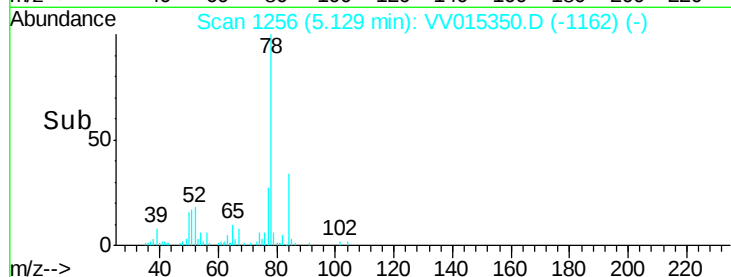
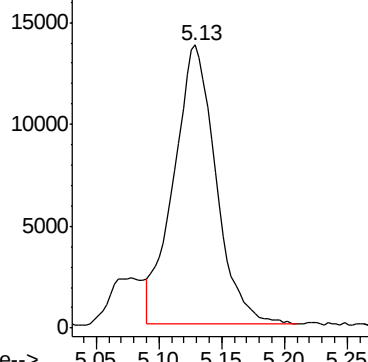
ClientSampleId :

C0DE2

Tgt Ion: 78 Resp: 32135



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 74.888 ug/L

RT: 8.90 min Scan# 2430

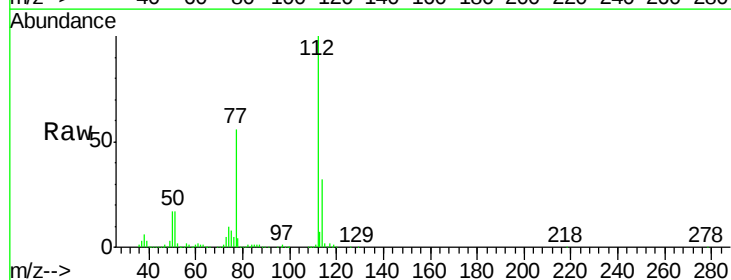
Delta R.T. -0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:29

Tgt Ion: 112 Resp: 1020572

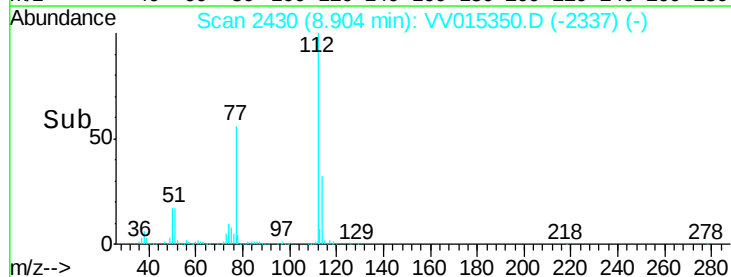
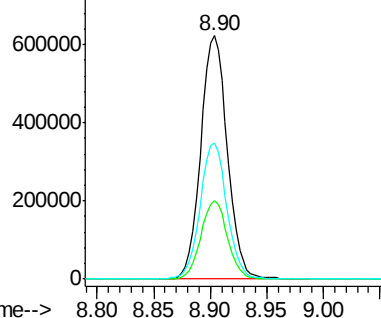
Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.8	40.4
77	56.0	46.2	69.2

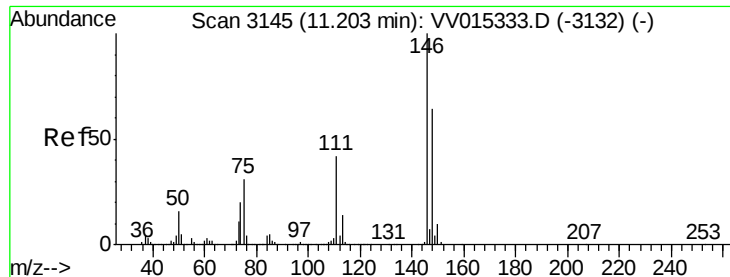


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 6.297 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:29

Instrument :

MSVOA_V

ClientSampled :

C0DE2

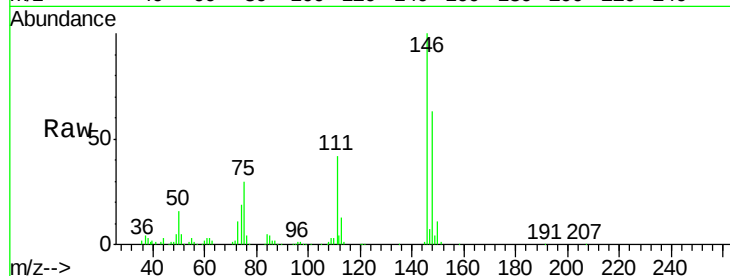
Tot Ion:146 Resp: 61161

Ion Ratio Lower Upper

146 100

111 42.5 30.2 56.2

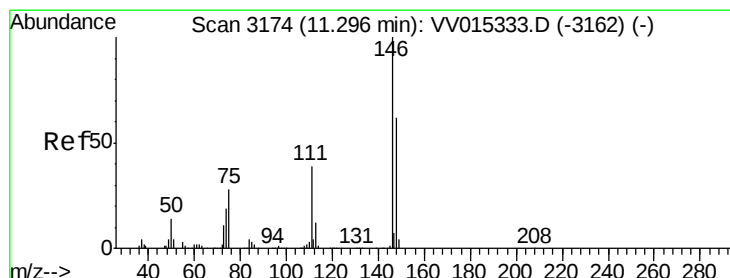
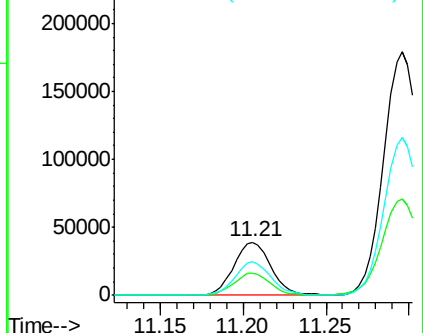
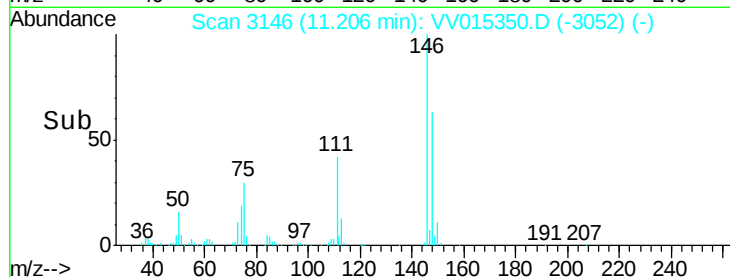
148 63.4 44.7 83.1



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: 28.114 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:29

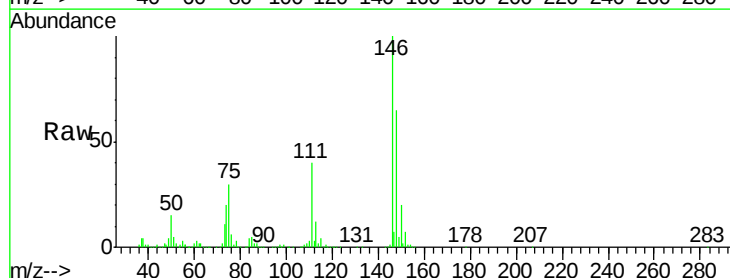
Tgt Ion:146 Resp: 276946

Ion Ratio Lower Upper

146 100

111 39.6 29.3 54.5

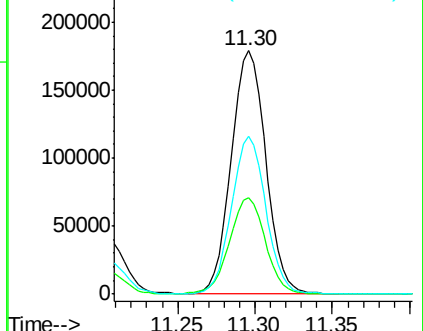
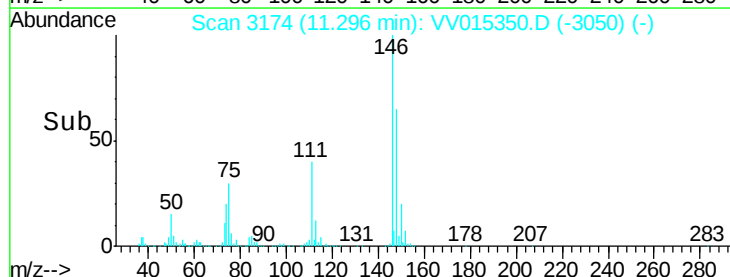
148 64.9 44.7 82.9

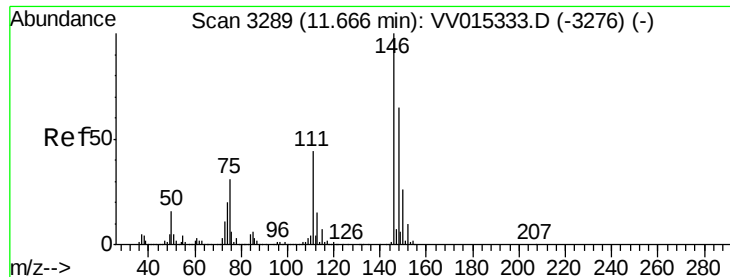


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 152.121 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:29

Instrument :

MSVOA_V

ClientSampleId :

C0DE2

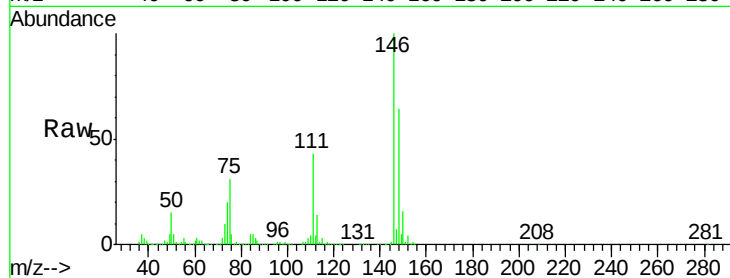
Tot Ion:146 Resp: 1507021

Ion Ratio Lower Upper

146 100

111 43.1 35.1 52.7

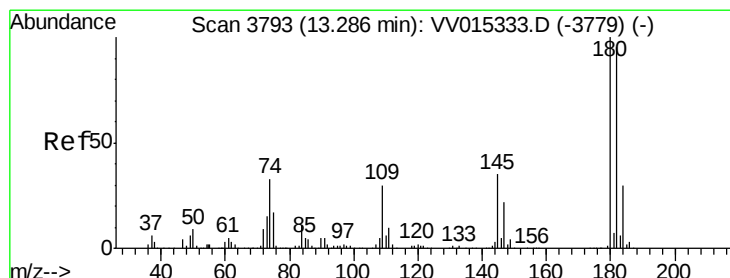
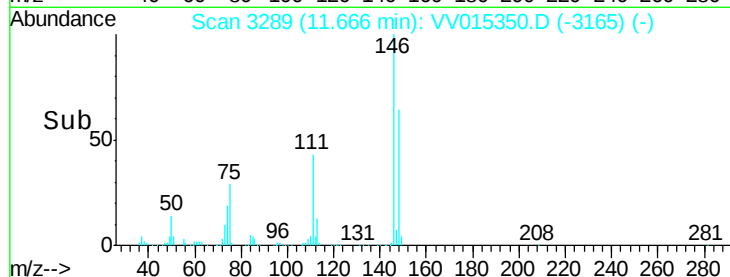
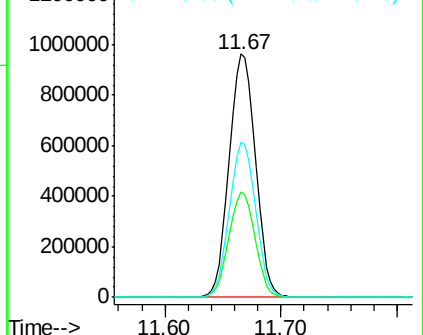
148 63.6 51.0 76.4



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: 60.900 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. -0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:29

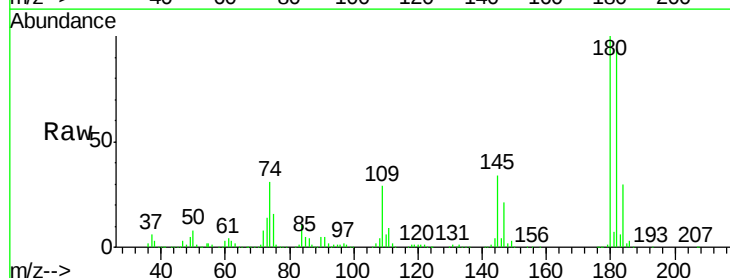
Tgt Ion:180 Resp: 358079

Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.8

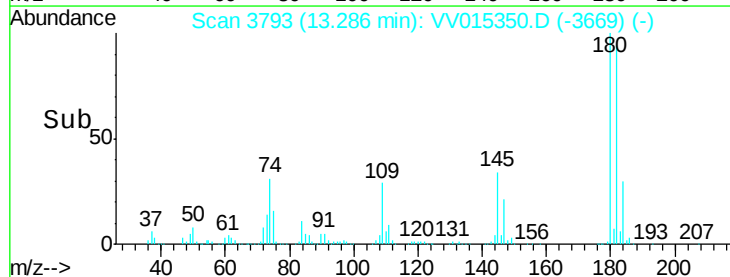
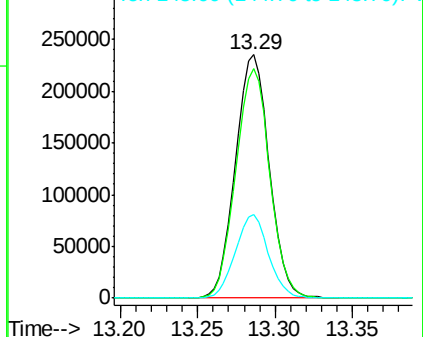
145 33.6 27.7 41.5

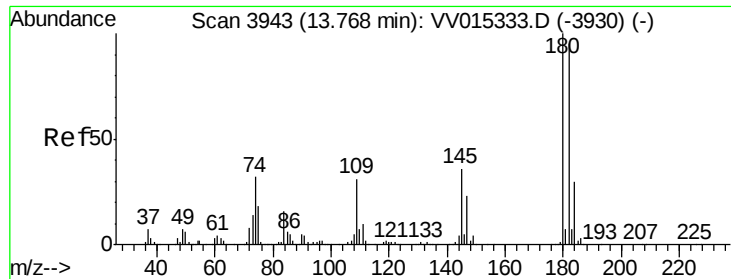


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 12.933 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:29

Instrument :

MSVOA_V

ClientSampleId :

C0DE2

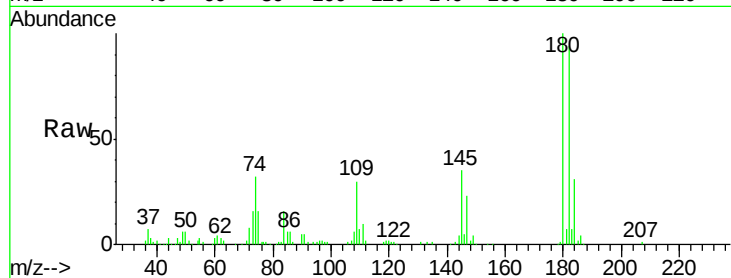
Tot Ion:180 Resp: 78334

Ion Ratio Lower Upper

180 100

182 96.5 76.1 114.1

145 34.7 28.2 42.4



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

