

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031820\
 Data File : VV015042.D
 Acq On : 19 Mar 2020 02:52
 Operator : SY/MD
 Sample : VIBLK72
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK72

Quant Time: Mar 19 07:06:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 19 04:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	310301	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	292472	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	136878	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100324	69.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	138.40%#
7) Chloroethane-d5	1.58	69	68164	59.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	119.92%
11) 1,1-Dichloroethene-d2	2.12	63	97498	39.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.70%
21) 2-Butanone-d5	3.94	46	98227	99.93	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.93%
24) Chloroform-d	4.38	84	196771	53.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.02%
26) 1,2-Dichloroethane-d4	5.06	65	132055	56.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.04%
32) Benzene-d6	5.08	84	397338	57.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.50%
36) 1,2-Dichloropropane-d6	6.09	67	119175	58.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	117.38%
41) Toluene-d8	7.34	98	369155	52.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.68%
43) trans-1,3-Dichloropropene-	7.64	79	60227	55.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.96%
47) 2-Hexanone-d5	8.12	63	112420	120.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.14%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	173483	56.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.54%
64) 1,2-Dichlorobenzene-d4	11.64	152	158360	57.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.26%

Target Compounds

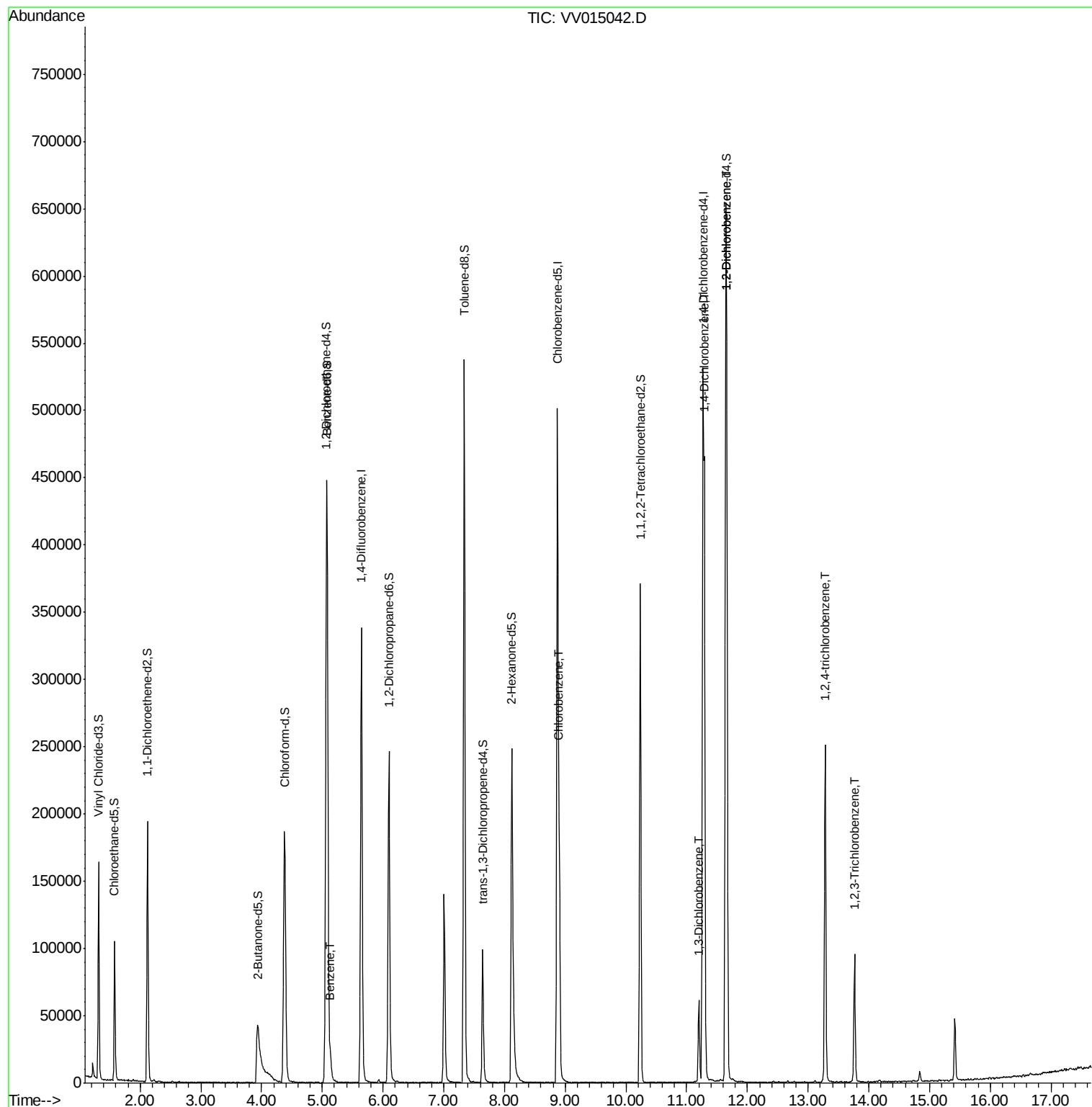
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.13	78	18784	2.624	ug/L	100
51) Chlorobenzene	8.90	112	102495	18.011	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	27520	6.680	ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	179590	41.876	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	166260	37.992	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	85671	28.538	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	33540	11.372	ug/L	99

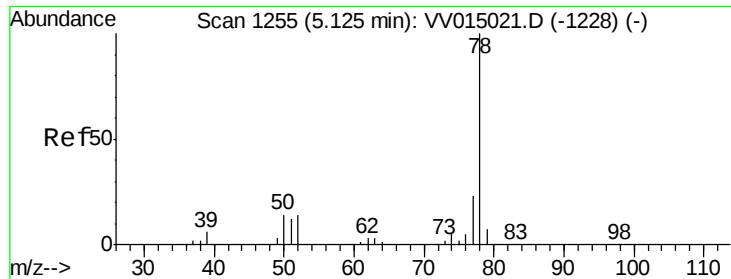
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration





#33

Benzene

Concen: 2.624 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV015042.D

Acq: 19 Mar 2020 02:52

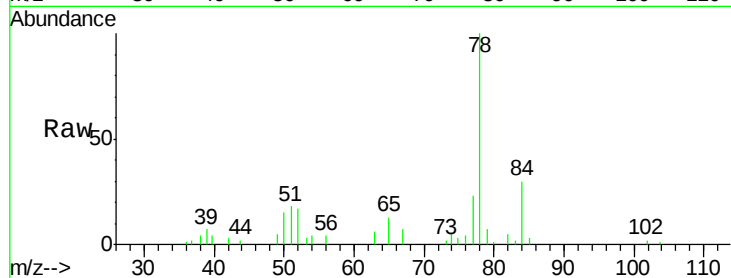
Instrument :

MSVOA_V

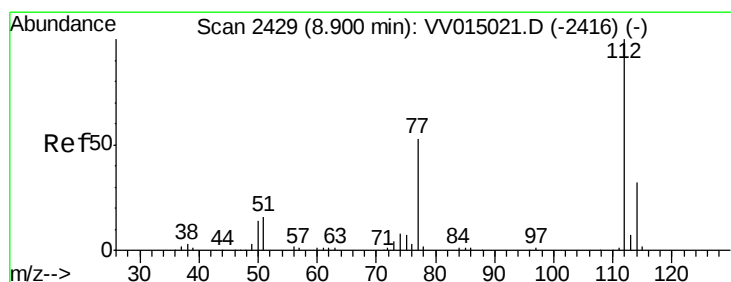
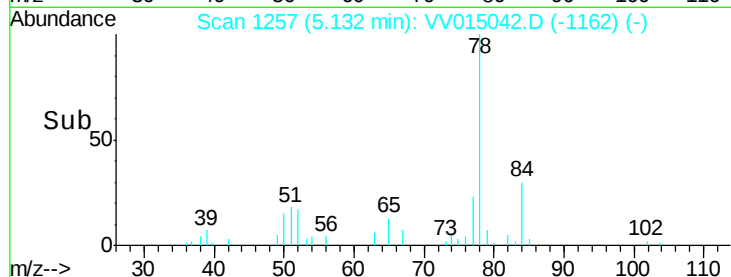
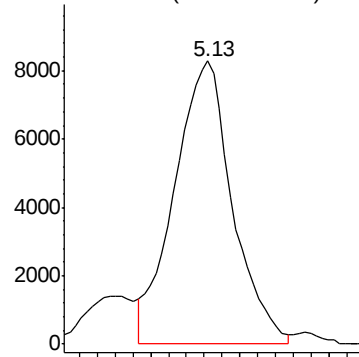
ClientSampleId :

VIBLK72

Tgt Ion: 78 Resp: 18784



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 18.011 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV015042.D

Acq: 19 Mar 2020 02:52

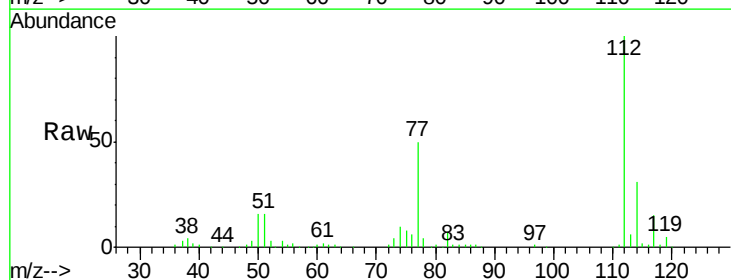
Tgt Ion: 112 Resp: 102495

Ion Ratio Lower Upper

112 100

114 31.3 22.4 41.6

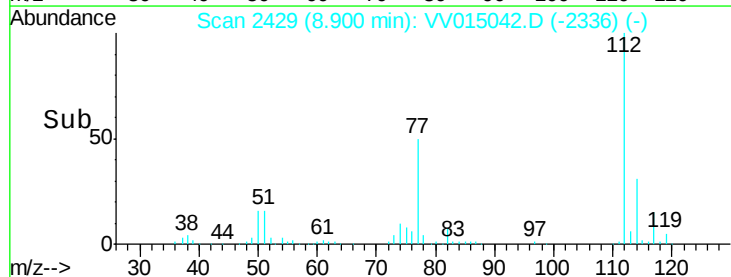
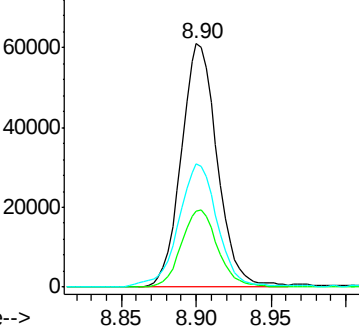
77 50.4 42.9 64.3

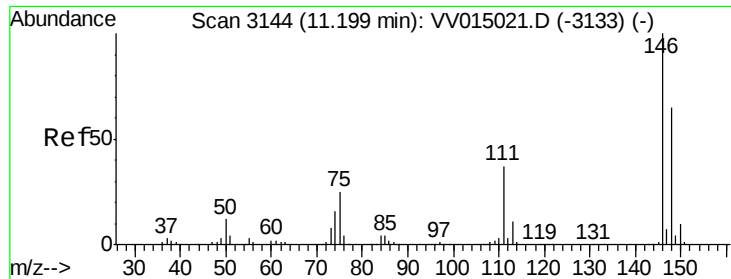


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

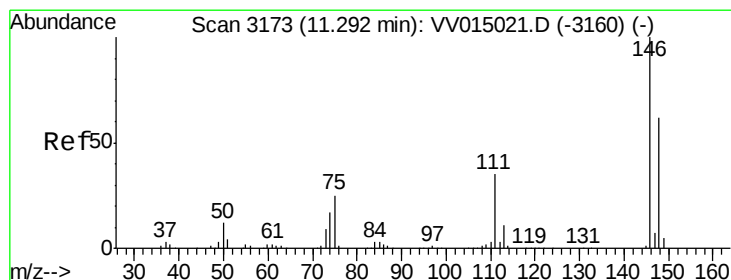
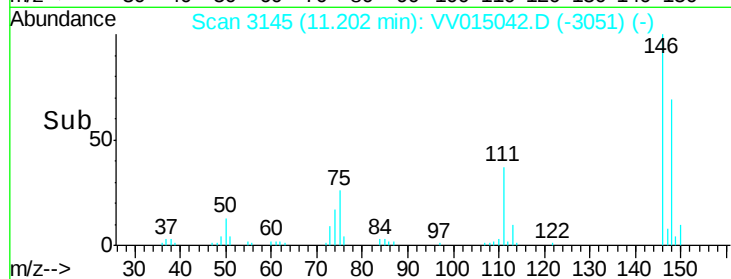
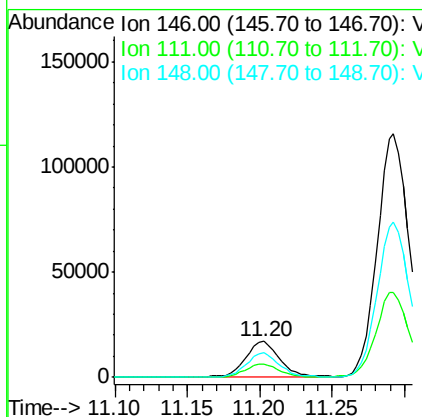
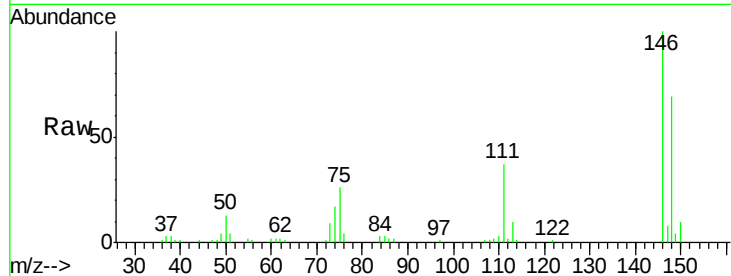




#62
 1,3-Dichlorobenzene
 Concen: 6.680 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015042.D
 Acq: 19 Mar 2020 02:52

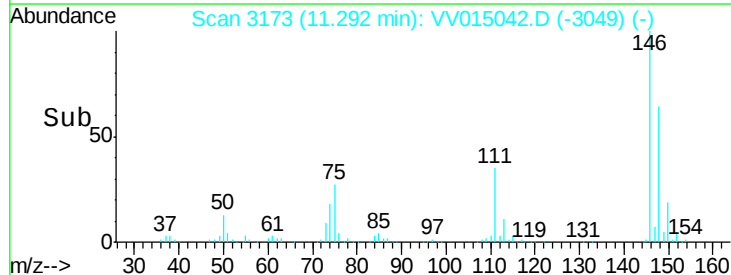
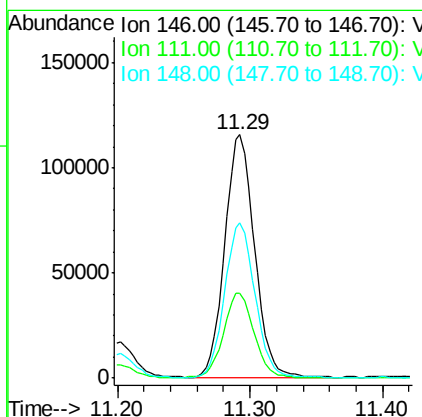
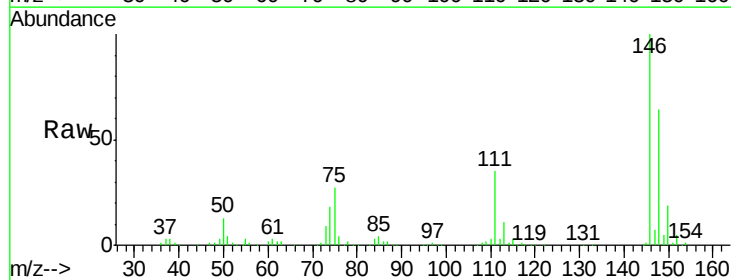
Instrument :
 MSVOA_V
 ClientSampled :
 VIBLK72

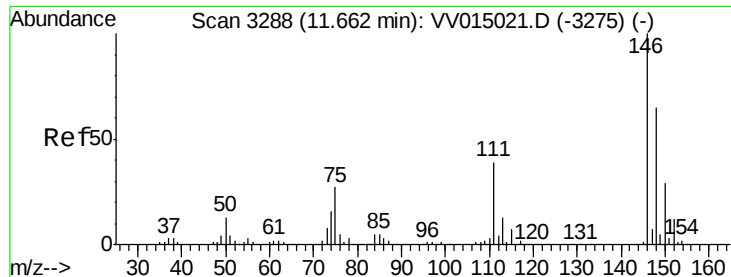
Tot Ion:146 Resp: 27520
 Ion Ratio Lower Upper
 146 100
 111 36.7 25.7 47.7
 148 69.3 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 41.876 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV015042.D
 Acq: 19 Mar 2020 02:52

Tgt Ion:146 Resp: 179590
 Ion Ratio Lower Upper
 146 100
 111 34.7 25.8 48.0
 148 63.9 45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 37.992 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV015042.D

Acq: 19 Mar 2020 02:52

Instrument :

MSVOA_V

ClientSampleId :

VIBLK72

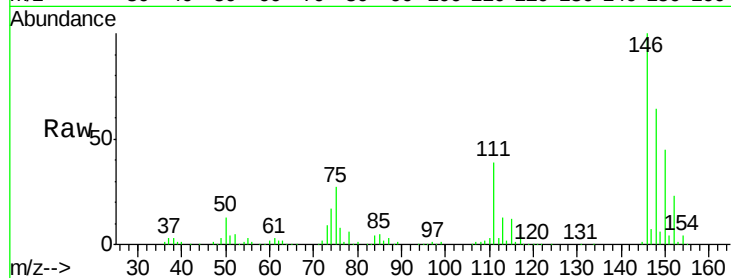
Tot Ion:146 Resp: 166260

Ion Ratio Lower Upper

146 100

111 38.8 31.5 47.3

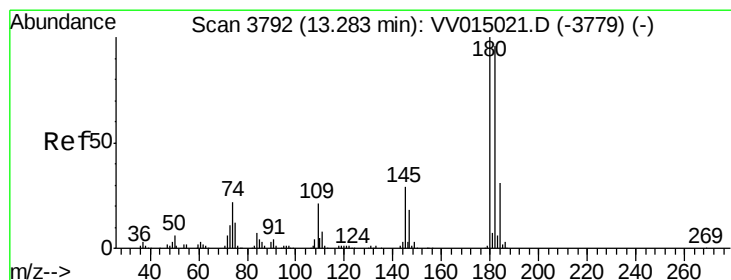
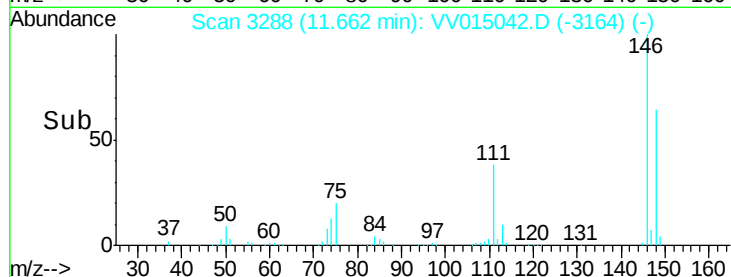
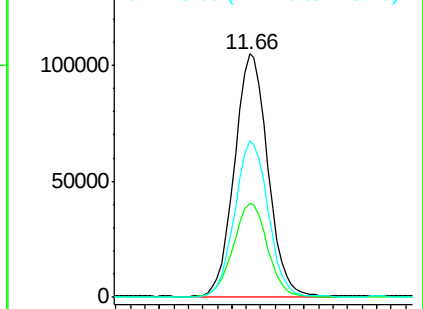
148 64.1 51.7 77.5



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: 28.538 ug/L

RT: 13.28 min Scan# 3791

Delta R.T. -0.00 min

Lab File: VV015042.D

Acq: 19 Mar 2020 02:52

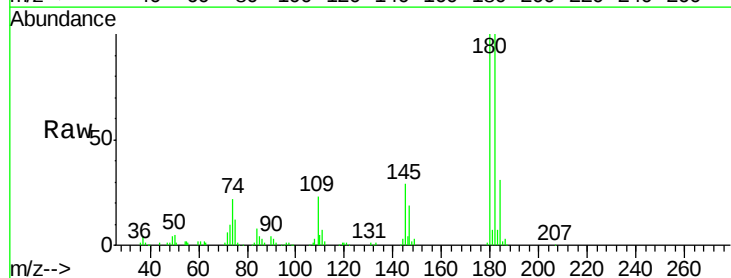
Tgt Ion:180 Resp: 85671

Ion Ratio Lower Upper

180 100

182 95.9 76.3 114.5

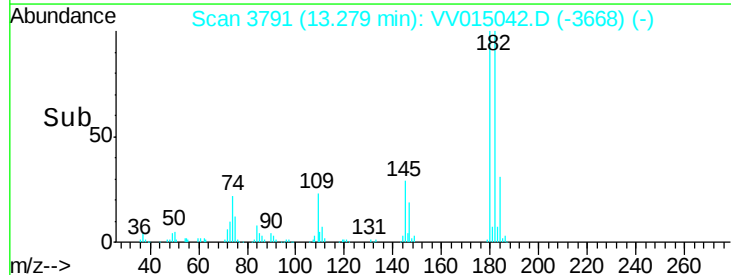
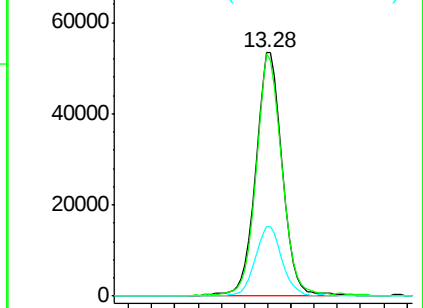
145 28.7 22.2 33.4

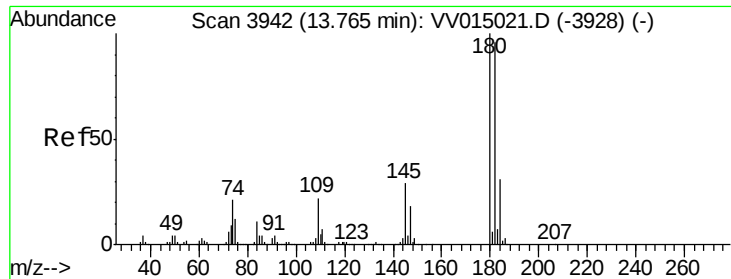


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

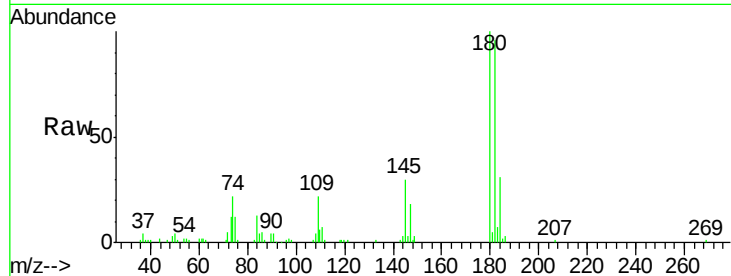




#70
 1,2,3-Trichlorobenzene
 Concen: 11.372 ug/L
 RT: 13.76 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV015042.D
 Acq: 19 Mar 2020 02:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK72

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.5	113.3
145	29.8	23.5	35.3



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

