

Data File : VV015001.D
Acq On : 18 Mar 2020 02:47
Operator : SY/MD
Sample : L1890-13
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DG0

Quant Time: Mar 18 07:47:12 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	309839	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	304122	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	145176	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67463	32.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.36%
7) Chloroethane-d5	1.58	69	60414	39.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.82%
11) 1,1-Dichloroethene-d2	2.12	63	92079	29.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.14%#
21) 2-Butanone-d5	3.94	46	87905	69.84	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	69.84%
24) Chloroform-d	4.38	84	191902	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.24%
26) 1,2-Dichloroethane-d4	5.06	65	127496	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.58%
32) Benzene-d6	5.08	84	377103	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.02%
36) 1,2-Dichloropropane-d6	6.09	67	114728	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.98%
41) Toluene-d8	7.34	98	362707	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%
43) trans-1,3-Dichloropropene-	7.64	79	51828	39.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.14%
47) 2-Hexanone-d5	8.12	63	105936	94.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.07%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	170165	46.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	158091	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%

Target Compounds

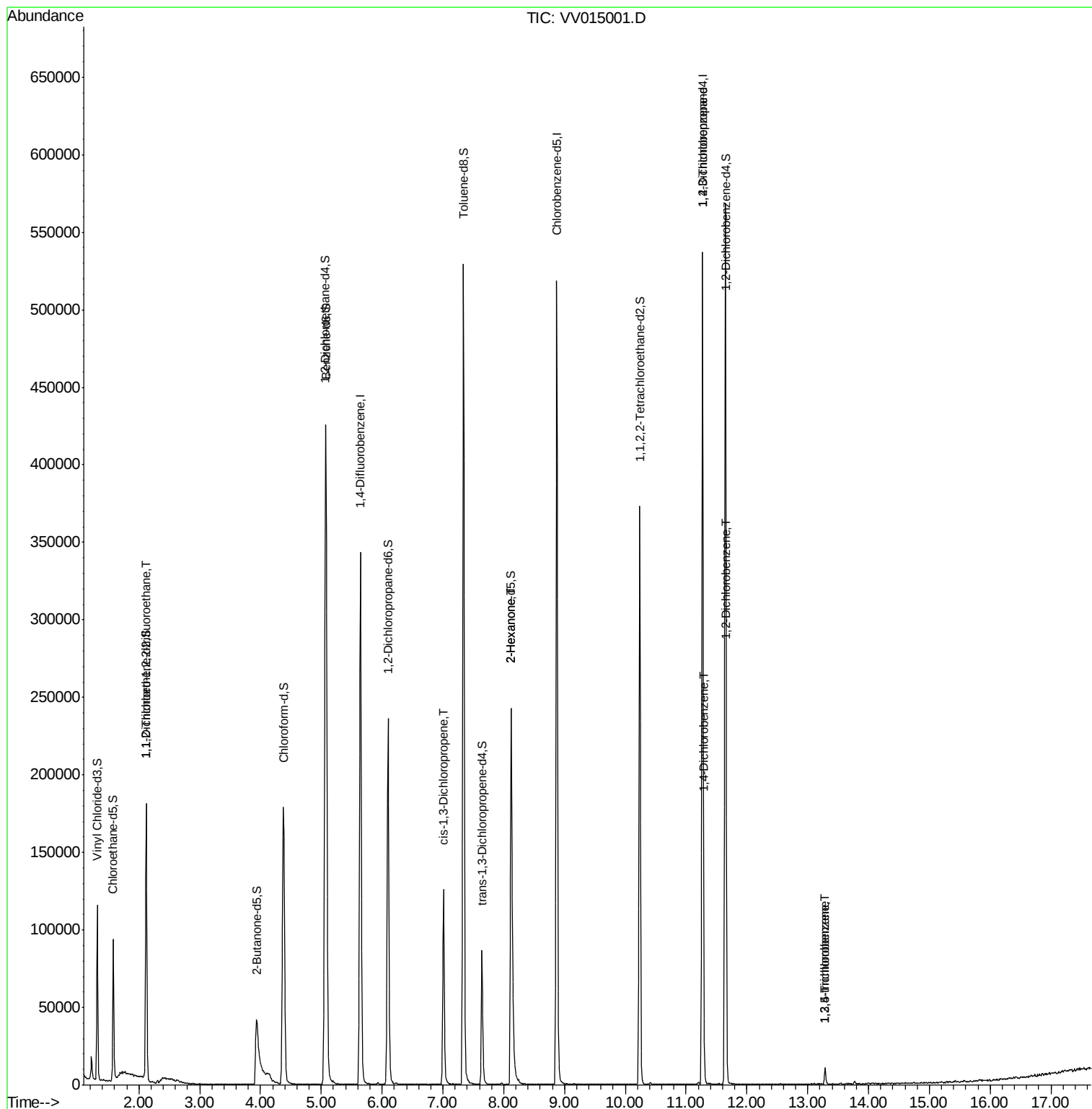
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1028	0.644	ug/L #	15
39) cis-1,3-Dichloropropene	7.01	75	3006	0.882	ug/L #	43
48) 2-Hexanone	8.12	43	11937	5.388	ug/L #	84
59) 1,2,3-Trichloropropane	11.27	75	14952	5.258	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	4787	0.993	ug/L	94
65) 1,2-Dichlorobenzene	11.67	146	3610	0.755	ug/L #	88
67) 1,3,5-Trichlorobenzene	13.29	180	3885	1.036	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	3885	1.162	ug/L	96

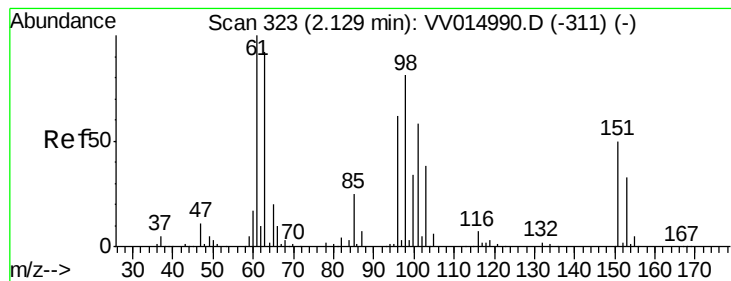
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.644 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV015001.D

Acq: 18 Mar 2020 02:47

Instrument :

MSVOA_V

ClientSampled :

C0DG0

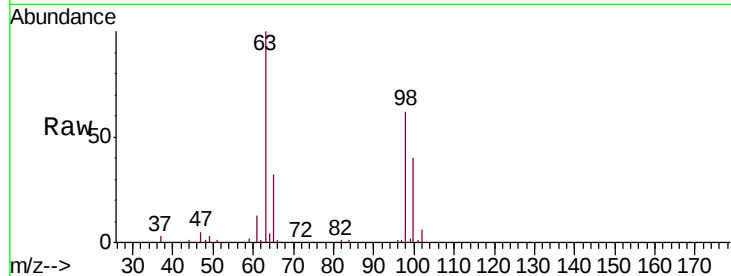
Tgt Ion:101 Resp: 1028

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

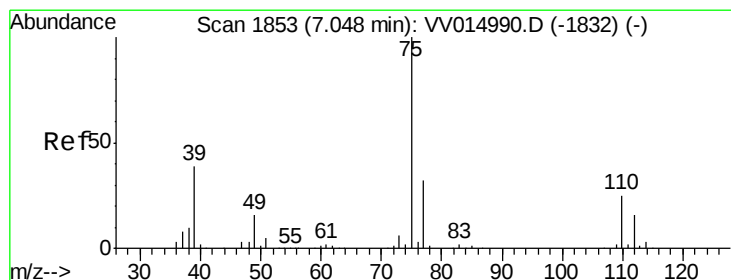
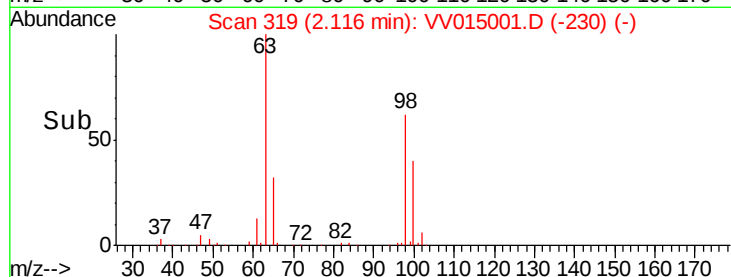
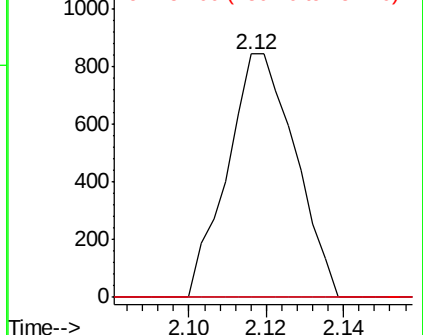
151 0.0 70.1 105.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#39

cis-1,3-Dichloropropene

Concen: 0.882 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV015001.D

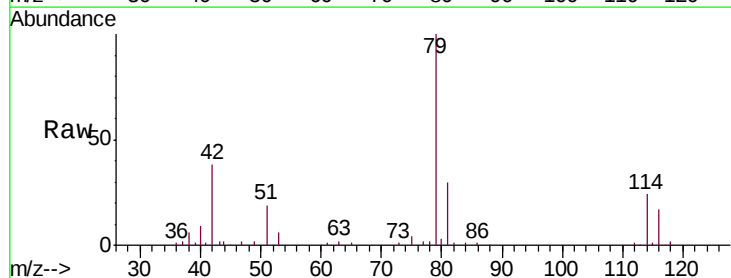
Acq: 18 Mar 2020 02:47

Tgt Ion: 75 Resp: 3006

Ion Ratio Lower Upper

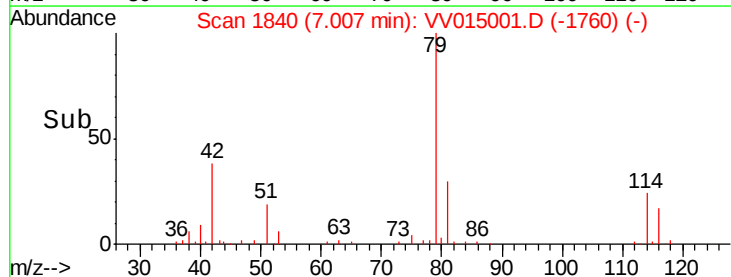
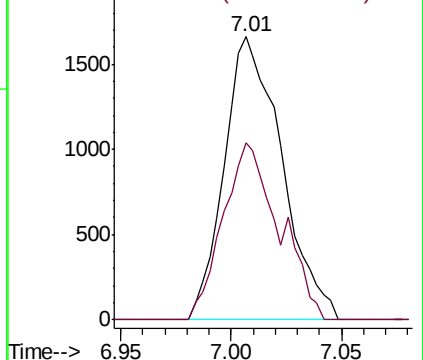
75 100

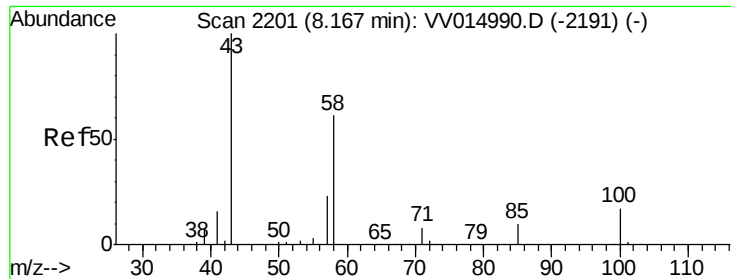
77 62.4 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

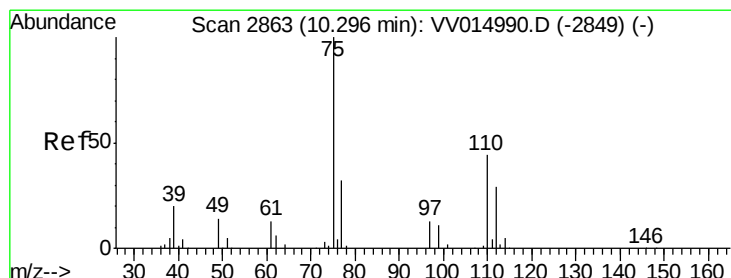
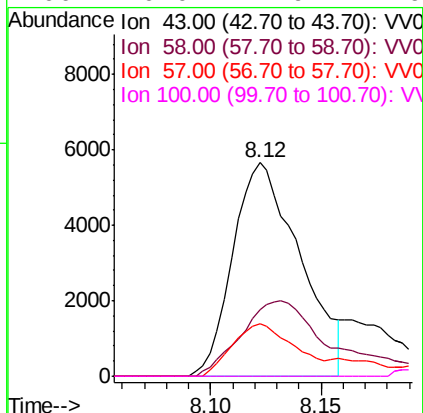
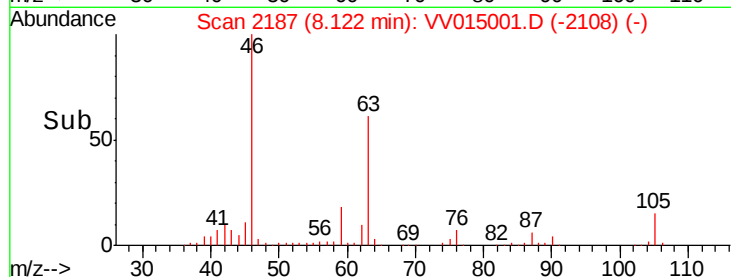
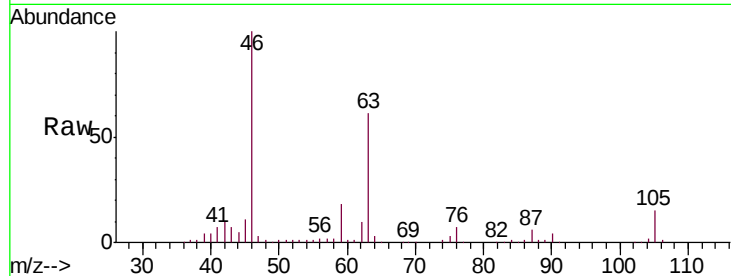




#48
 2-Hexanone
 Concen: 5.388 ug/L
 RT: 8.12 min Scan# 2187
 Delta R.T. -0.05 min
 Lab File: VV015001.D
 Acq: 18 Mar 2020 02:47

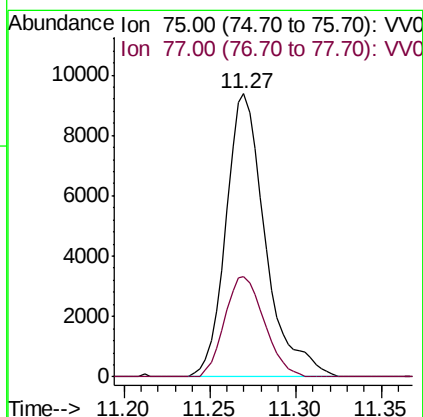
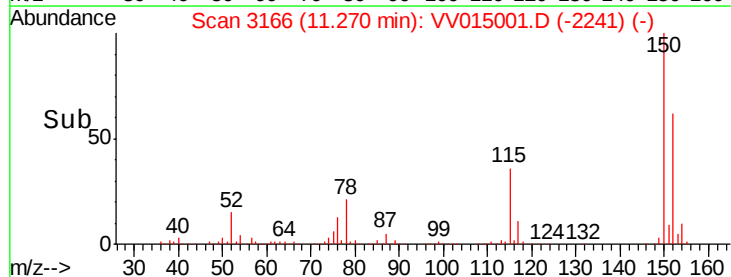
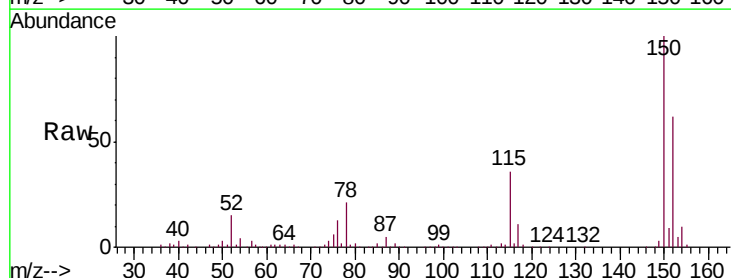
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DG0

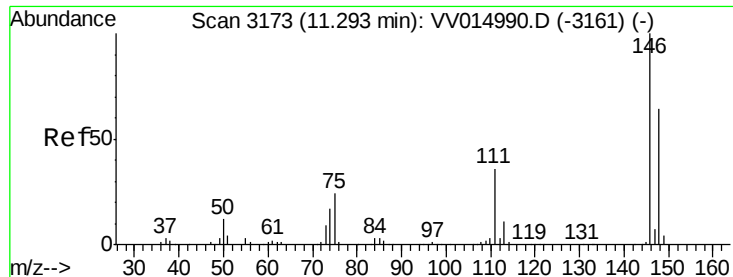
Tgt Ion: 43 Resp: 11937
 Ion Ratio Lower Upper
 43 100
 58 47.1 46.9 70.3
 57 22.8 16.2 24.4
 100 0.0 11.9 17.9#



#59
 1,2,3-Trichloropropane
 Concen: 5.258 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.97 min
 Lab File: VV015001.D
 Acq: 18 Mar 2020 02:47

Tgt Ion: 75 Resp: 14952
 Ion Ratio Lower Upper
 75 100
 77 35.6 26.6 40.0





#63

1,4-Dichlorobenzene

Concen: 0.993 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015001.D

Acq: 18 Mar 2020 02:47

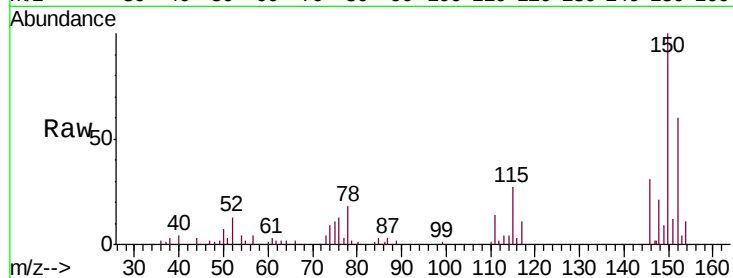
Instrument :

MSVOA_V

ClientSampleId :

C0DG0

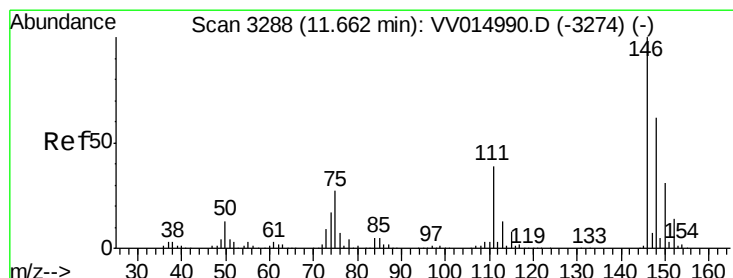
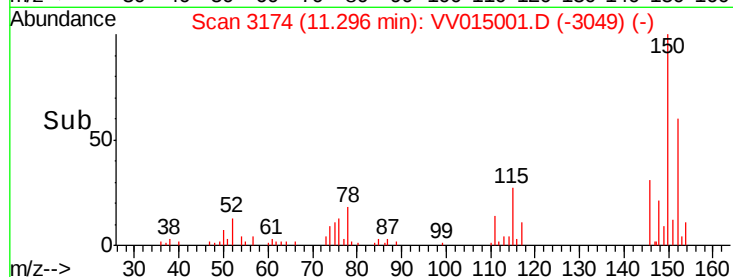
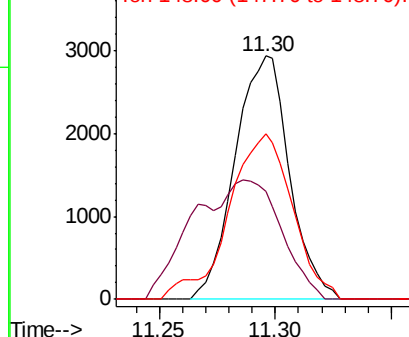
Tgt Ion:	146	Resp:	4787
Ion	Ratio	Lower	Upper
146	100		
111	44.2	26.0	48.2
148	68.1	46.1	85.5



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: 0.755 ug/L

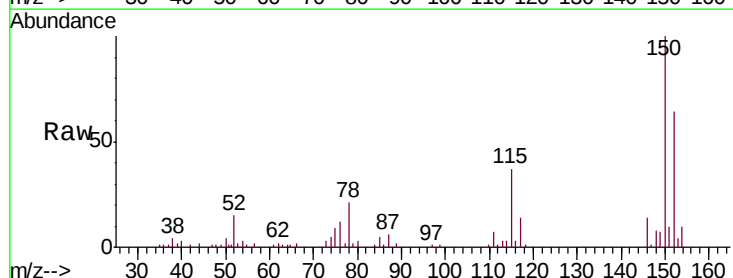
RT: 11.67 min Scan# 3290

Delta R.T. 0.01 min

Lab File: VV015001.D

Acq: 18 Mar 2020 02:47

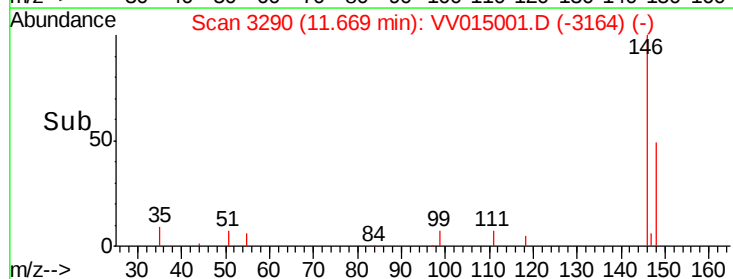
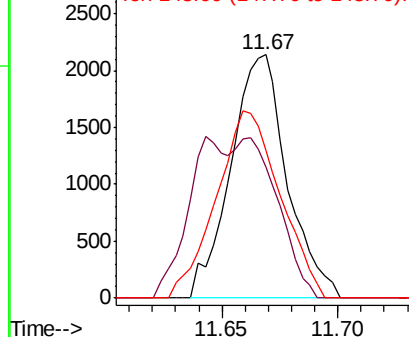
Tgt Ion:	146	Resp:	3610
Ion	Ratio	Lower	Upper
146	100		
111	53.9	31.6	47.4#
148	60.7	52.2	78.4

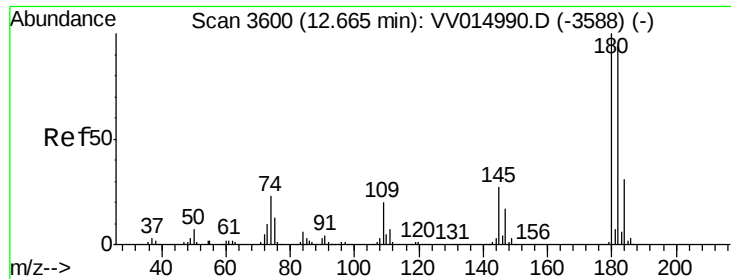


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

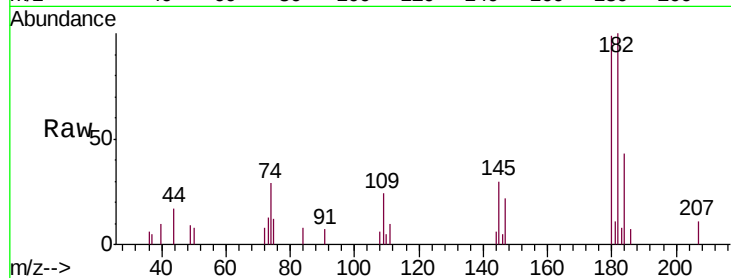




#67
 1,3,5-Trichlorobenzene
 Concen: 1.036 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015001.D
 Acq: 18 Mar 2020 02:47

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DG0

Tgt Ion:	180	Resp:	3885
Ion	Ratio	Lower	Upper
180	100		
182	90.8	75.7	113.5
184	31.0	24.2	36.4
145	29.5	22.0	33.0



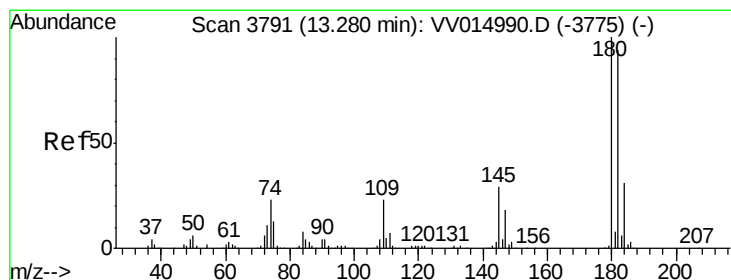
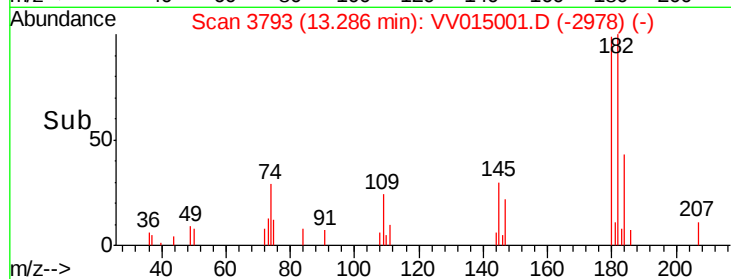
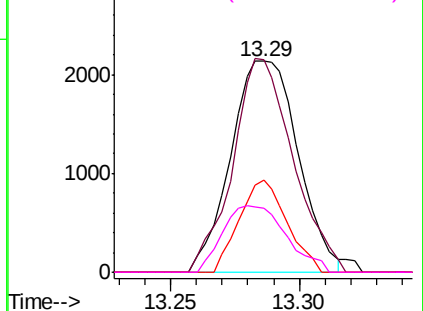
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

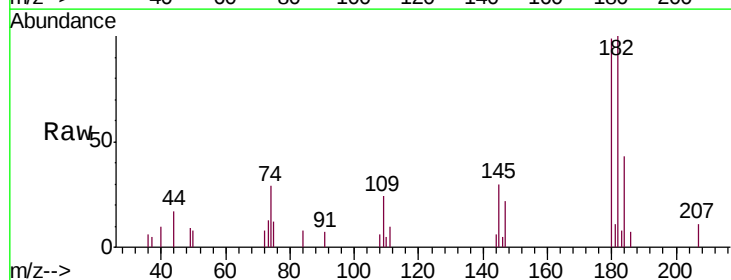
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.162 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.01 min
 Lab File: VV015001.D
 Acq: 18 Mar 2020 02:47

Tgt Ion:	180	Resp:	3885
Ion	Ratio	Lower	Upper
180	100		
182	90.8	76.3	114.5
145	29.5	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

