

Data File : VV015000.D
Acq On : 18 Mar 2020 02:23
Operator : SY/MD
Sample : L1940-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DC1

Quant Time: Mar 18 07:46:56 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	316233	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	307281	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	154791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70093	33.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.54%
7) Chloroethane-d5	1.58	69	60516	38.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.34%
11) 1,1-Dichloroethene-d2	2.12	63	95244	29.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.94%#
21) 2-Butanone-d5	3.93	46	105111	81.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.83%
24) Chloroform-d	4.38	84	195844	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.24%
26) 1,2-Dichloroethane-d4	5.06	65	127843	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.94%
32) Benzene-d6	5.08	84	379483	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
36) 1,2-Dichloropropane-d6	6.10	67	114575	45.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.90%
41) Toluene-d8	7.34	98	367753	43.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.86%
43) trans-1,3-Dichloropropene-	7.64	79	46312	34.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.12%
47) 2-Hexanone-d5	8.12	63	104241	91.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.61%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	171552	46.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	167776	49.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.96%

Target Compounds

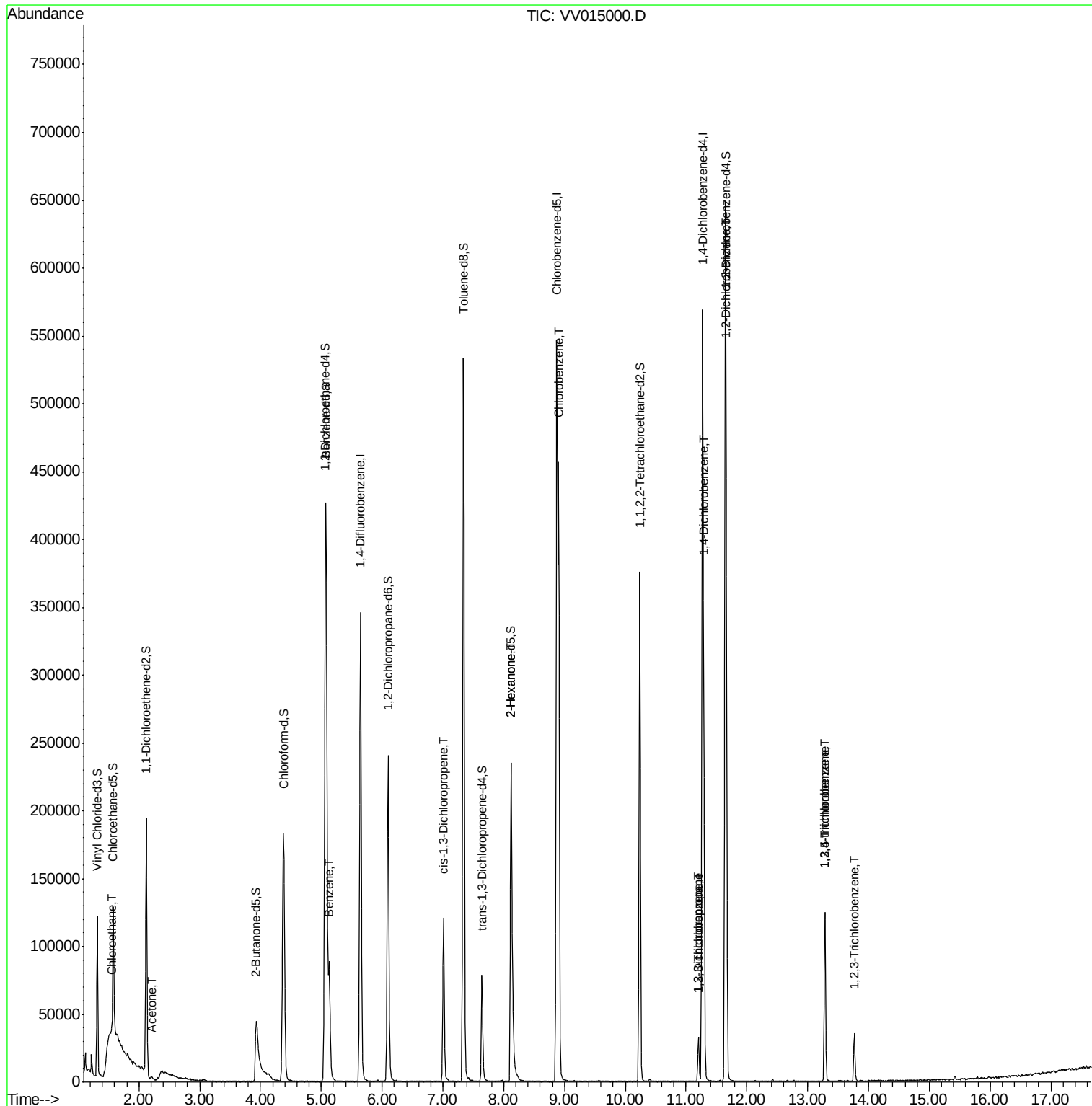
						Qvalue
8) Chloroethane	1.55	64	119196	106.255	ug/L #	53
13) Acetone	2.20	43	2574	2.028	ug/L	83
33) Benzene	5.13	78	83730	10.014	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	2915	0.846	ug/L #	66
48) 2-Hexanone	8.12	43	12544	5.604	ug/L #	73
51) Chlorobenzene	8.90	112	244693	37.767	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	3546	1.234	ug/L #	41
62) 1,3-Dichlorobenzene	11.20	146	14689	2.880	ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	87332	16.996	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	89824	17.629	ug/L	98
67) 1,3,5-Trichlorobenzene	13.28	180	41438	10.361	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	41438	11.625	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	12070	3.421	ug/L	97

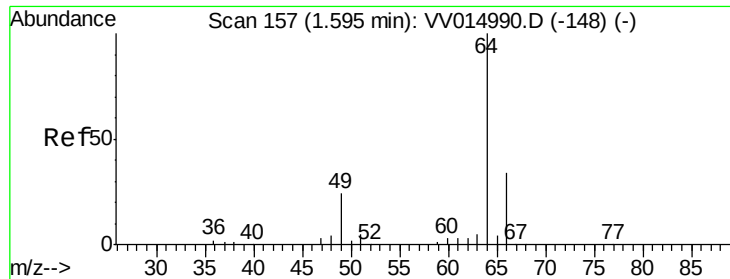
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 106.255 ug/L

RT: 1.55 min Scan# 144

Delta R.T. -0.04 min

Lab File: VV015000.D

Acq: 18 Mar 2020 02:23

Instrument :

MSVOA_V

ClientSampled :

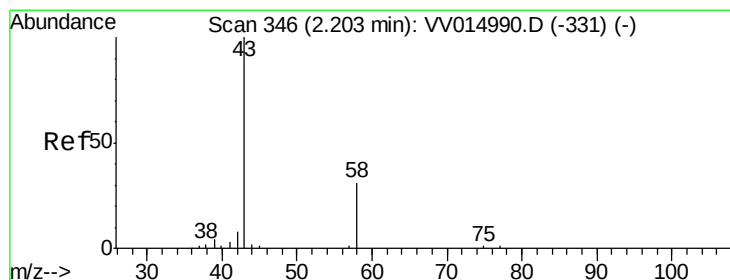
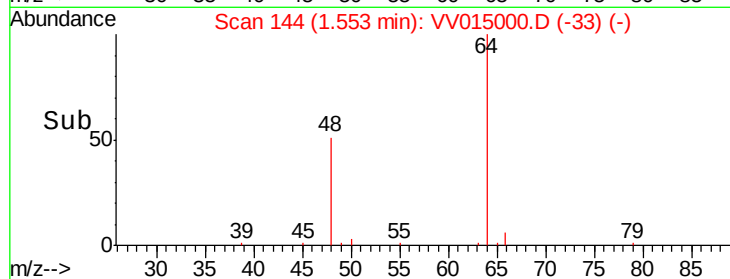
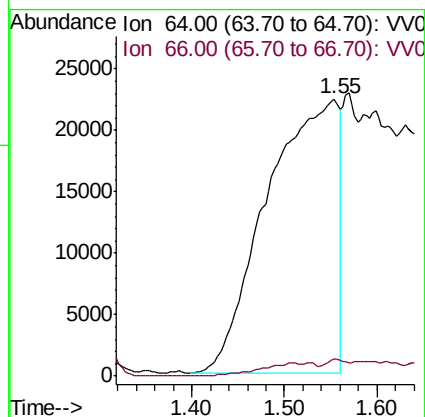
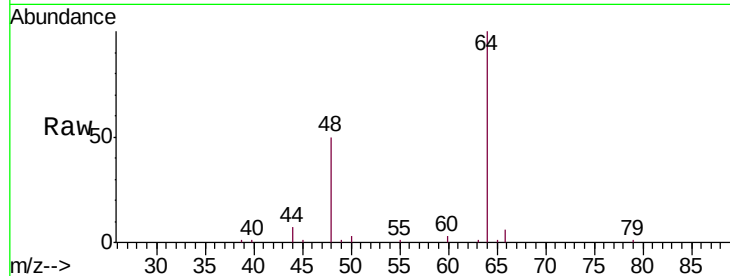
C0DC1

Tgt Ion: 64 Resp: 119196

Ion Ratio Lower Upper

64 100

66 6.1 22.7 42.1#



#13

Acetone

Concen: 2.028 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV015000.D

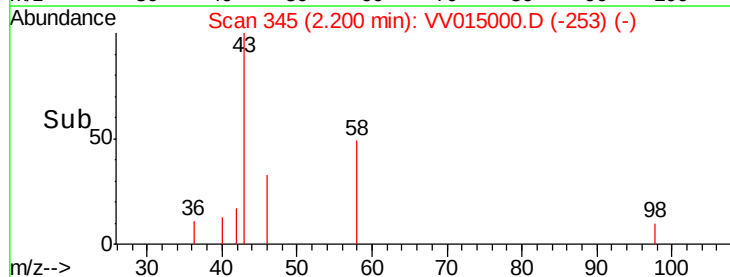
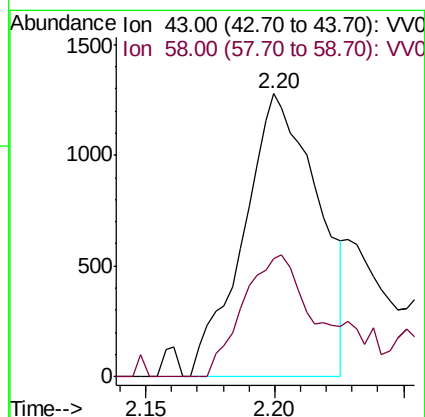
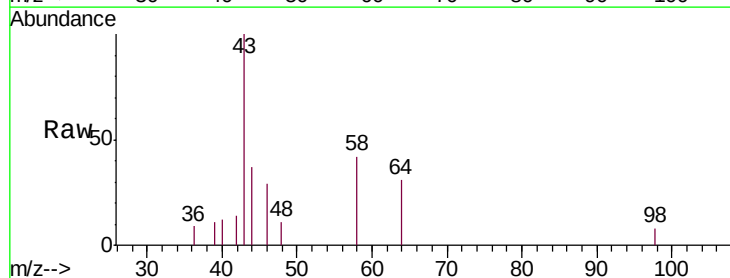
Acq: 18 Mar 2020 02:23

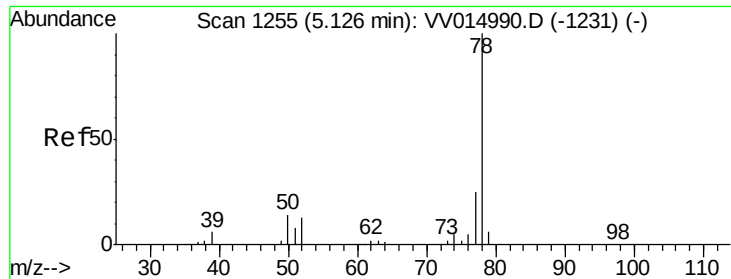
Tgt Ion: 43 Resp: 2574

Ion Ratio Lower Upper

43 100

58 34.6 0.0 51.6





#33

Benzene

Concen: 10.014 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV015000.D

Acq: 18 Mar 2020 02:23

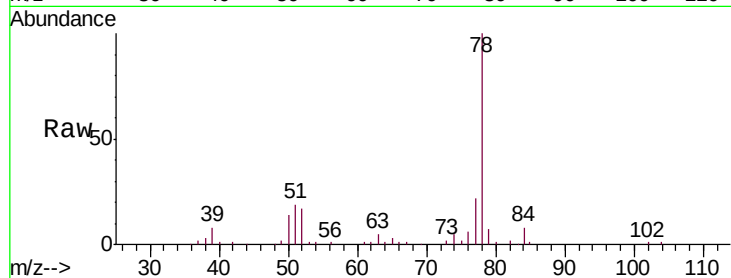
Instrument :

MSVOA_V

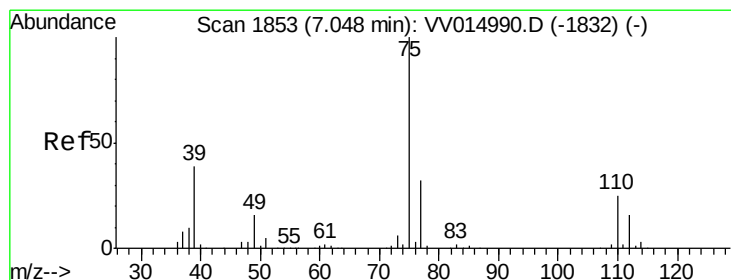
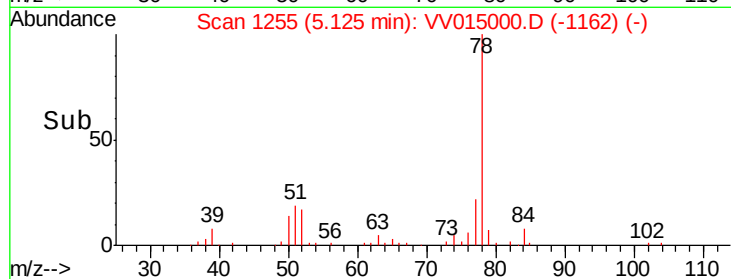
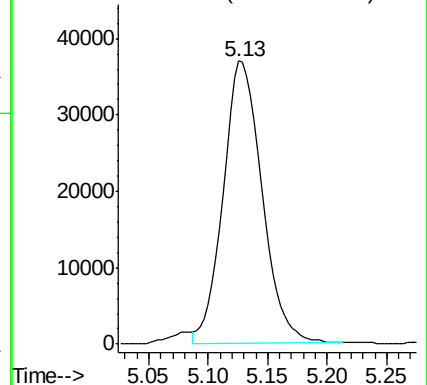
ClientSampled :

C0DC1

Tgt Ion: 78 Resp: 83730



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 0.846 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV015000.D

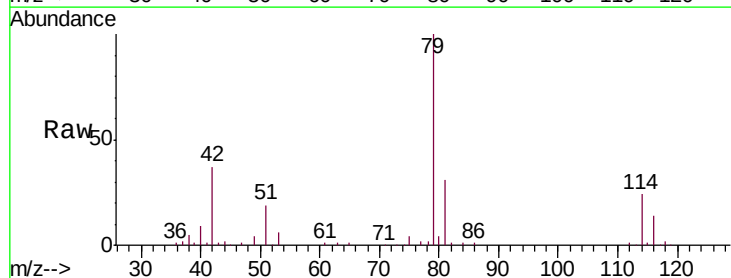
Acq: 18 Mar 2020 02:23

Tgt Ion: 75 Resp: 2915

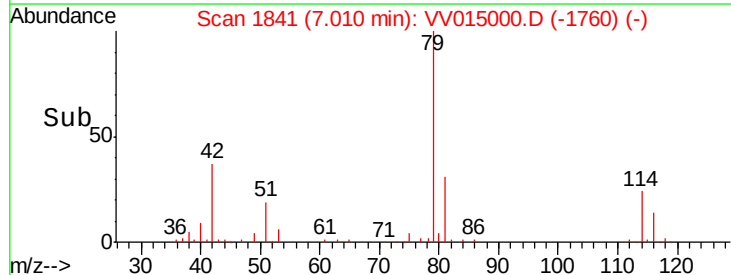
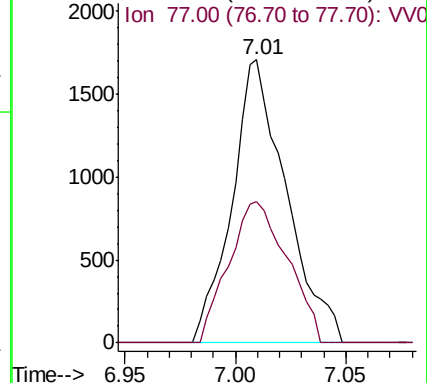
Ion Ratio Lower Upper

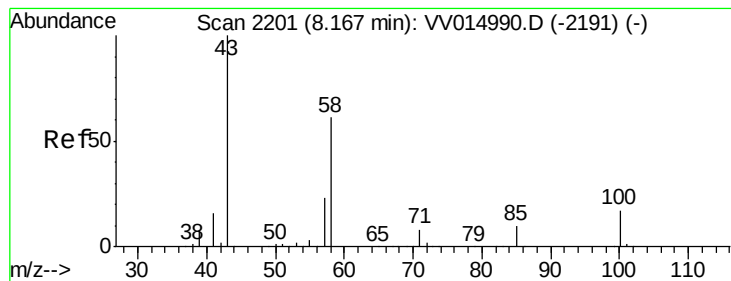
75 100

77 49.7 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0





#48

2-Hexanone

Concen: 5.604 ug/L

RT: 8.12 min Scan# 2186

Delta R.T. -0.05 min

Lab File: VV015000.D

Acq: 18 Mar 2020 02:23

Instrument :

MSVOA_V

ClientSampleId :

C0DC1

Tgt Ion: 43 Resp: 12544

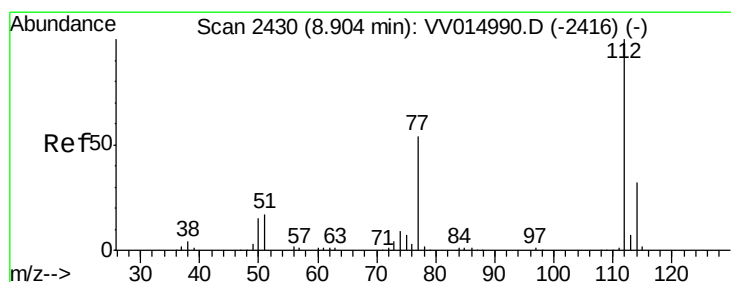
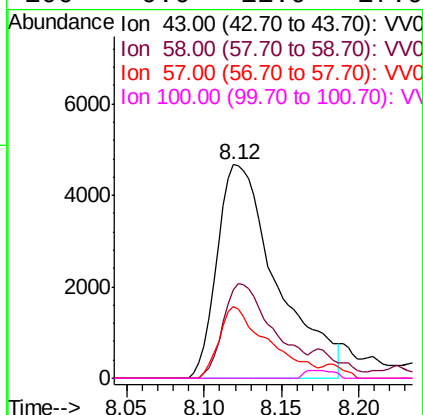
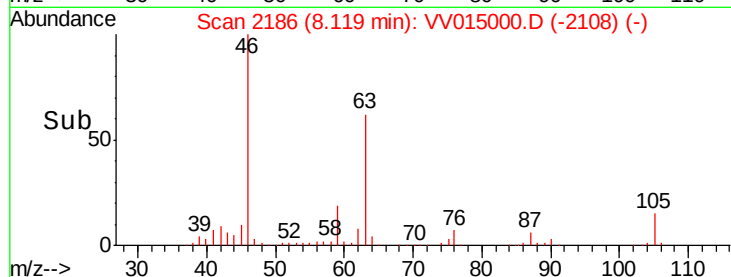
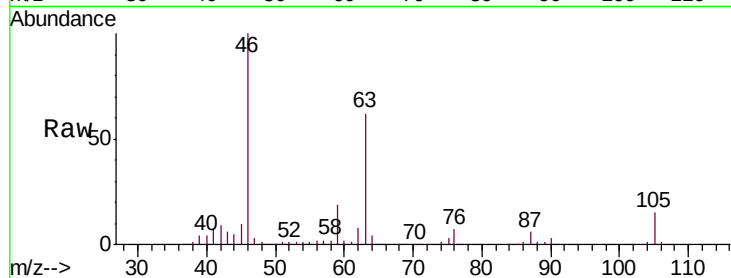
Ion Ratio Lower Upper

43 100

58 37.3 46.9 70.3#

57 28.0 16.2 24.4#

100 0.0 11.9 17.9#



#51

Chlorobenzene

Concen: 37.767 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV015000.D

Acq: 18 Mar 2020 02:23

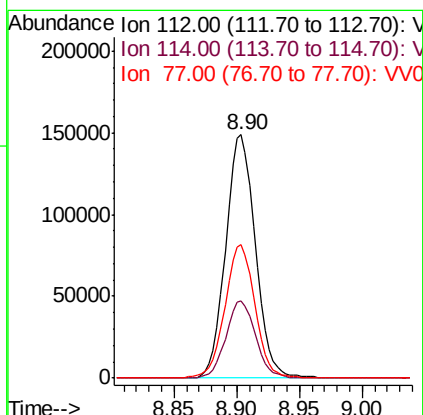
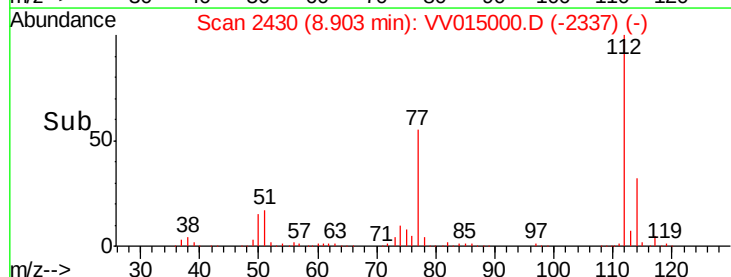
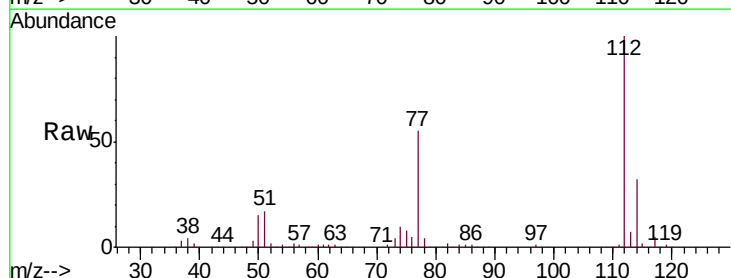
Tgt Ion: 112 Resp: 244693

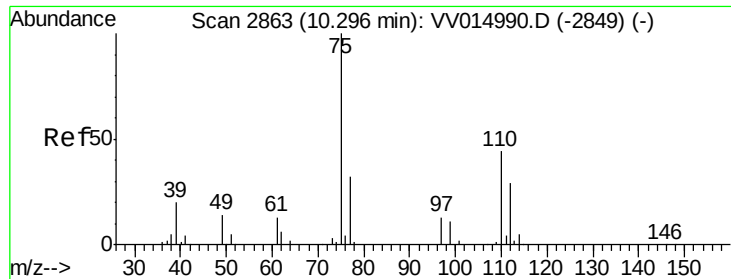
Ion Ratio Lower Upper

112 100

114 31.7 22.8 42.4

77 54.6 44.5 66.7

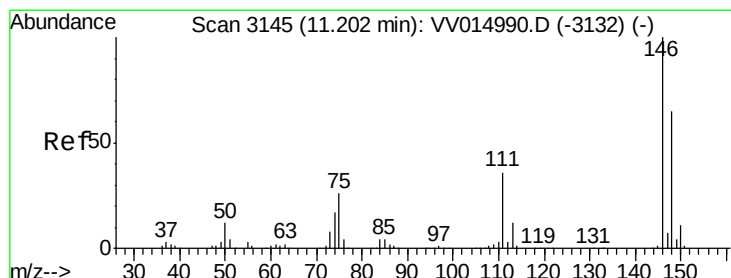
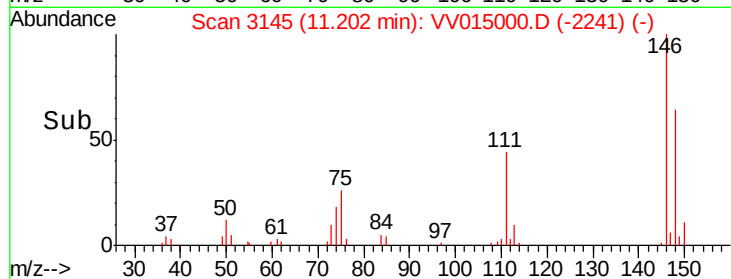
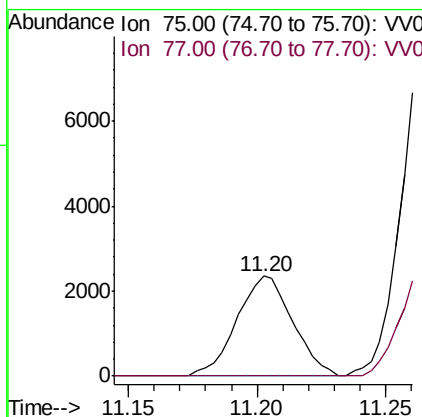
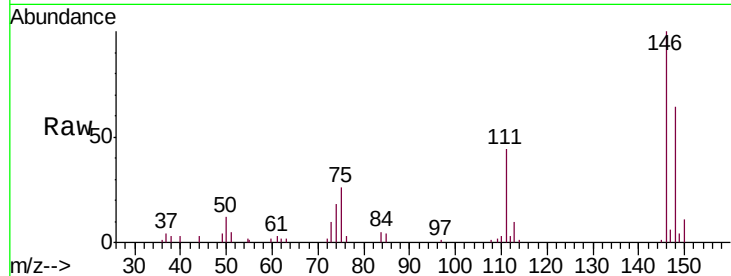




#59
 1,2,3-Trichloropropane
 Concen: 1.234 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.91 min
 Lab File: VV015000.D
 Acq: 18 Mar 2020 02:23

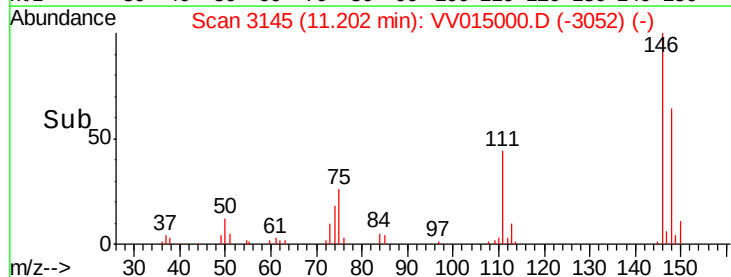
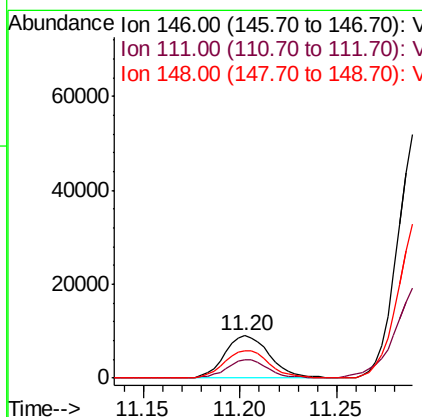
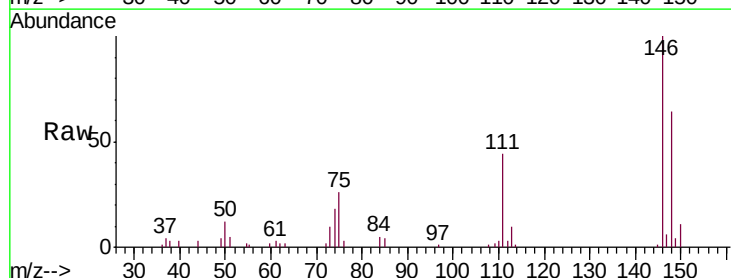
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC1

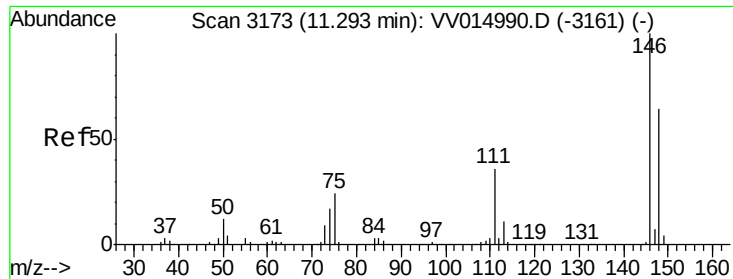
Tgt Ion: 75 Resp: 3546
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.6 40.0#



#62
 1,3-Dichlorobenzene
 Concen: 2.880 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV015000.D
 Acq: 18 Mar 2020 02:23

Tgt Ion: 146 Resp: 14689
 Ion Ratio Lower Upper
 146 100
 111 43.8 26.5 49.3
 148 64.5 45.4 84.2

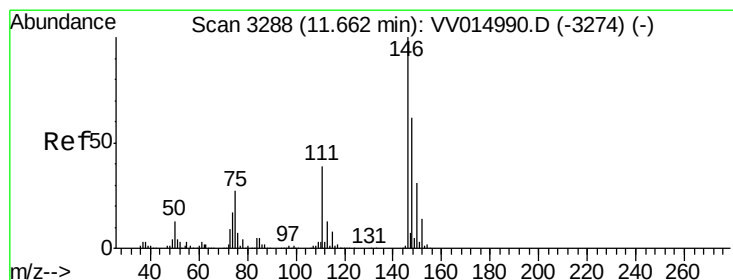
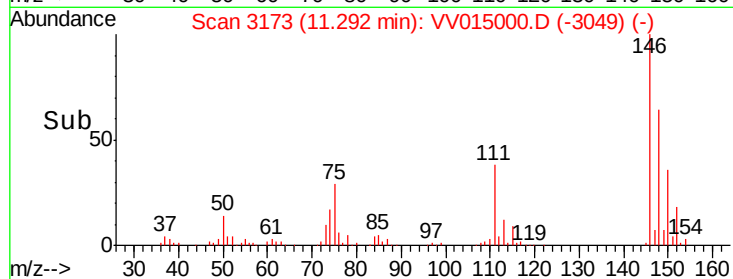
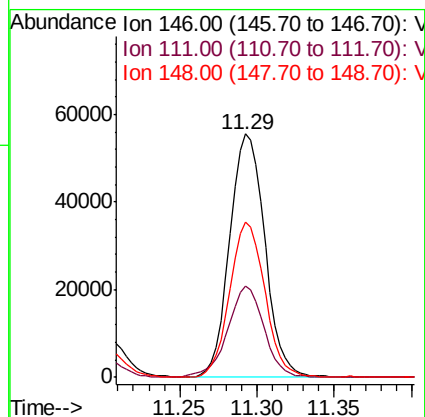
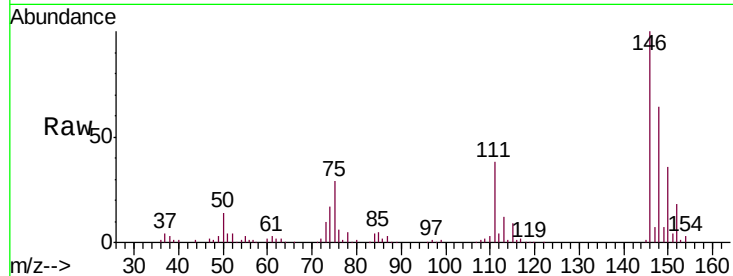




#63
 1,4-Dichlorobenzene
 Concen: 16.996 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV015000.D
 Acq: 18 Mar 2020 02:23

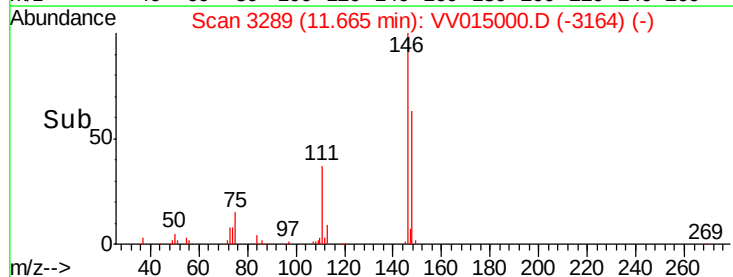
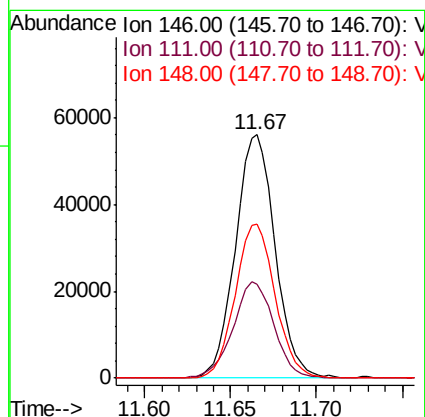
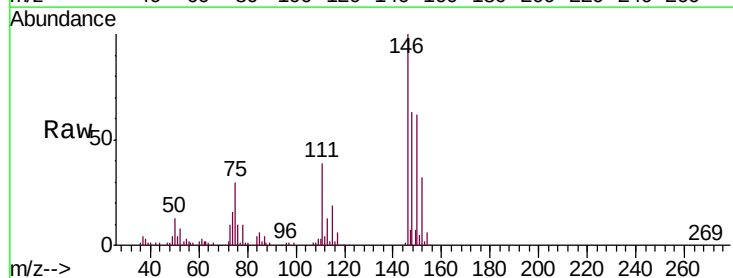
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC1

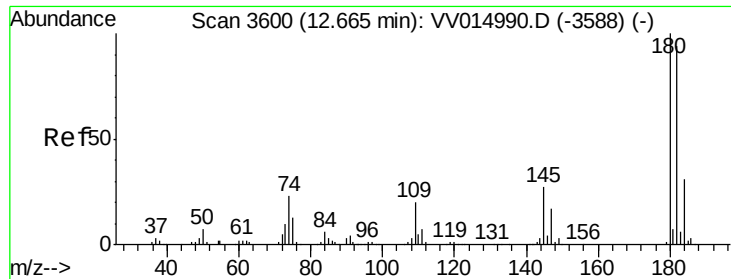
Tgt Ion:146 Resp: 87332
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.0 48.2
 148 63.7 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 17.629 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015000.D
 Acq: 18 Mar 2020 02:23

Tgt Ion:146 Resp: 89824
 Ion Ratio Lower Upper
 146 100
 111 38.6 31.6 47.4
 148 63.4 52.2 78.4

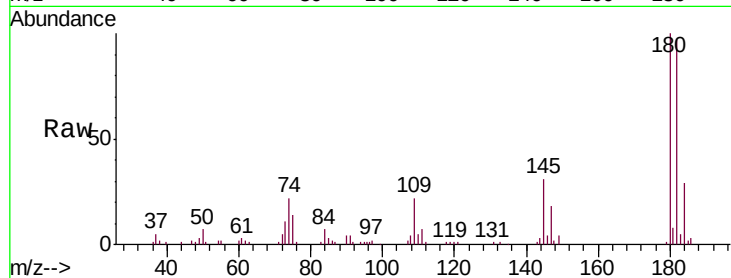




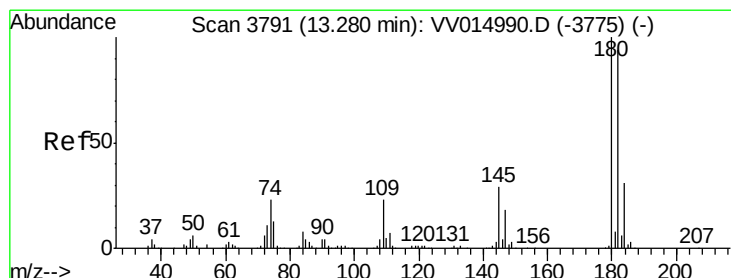
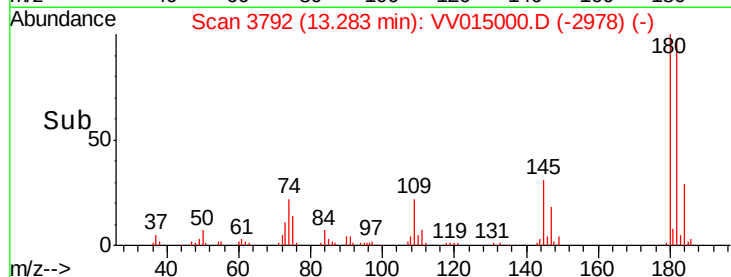
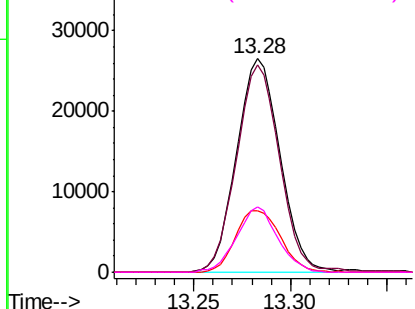
#67
 1,3,5-Trichlorobenzene
 Concen: 10.361 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV015000.D
 Acq: 18 Mar 2020 02:23

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC1

Tgt Ion:180 Resp: 41438
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.7 113.5
 184 29.9 24.2 36.4
 145 29.1 22.0 33.0

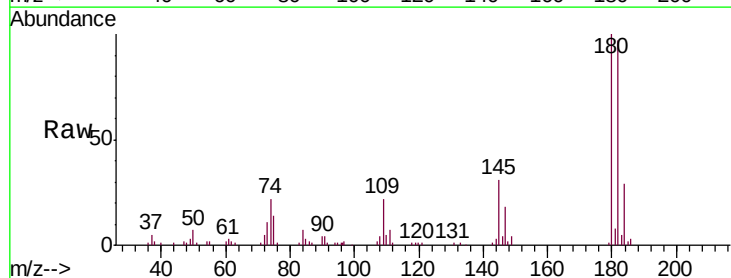


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

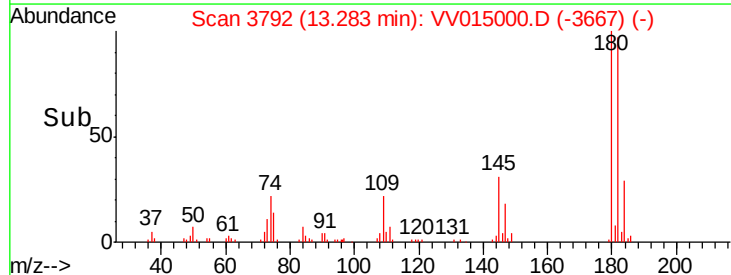
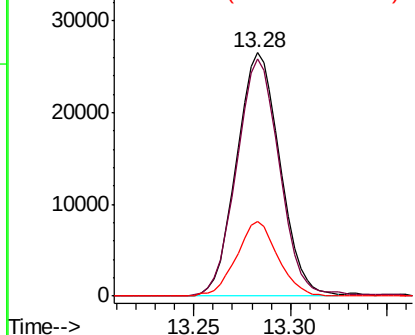


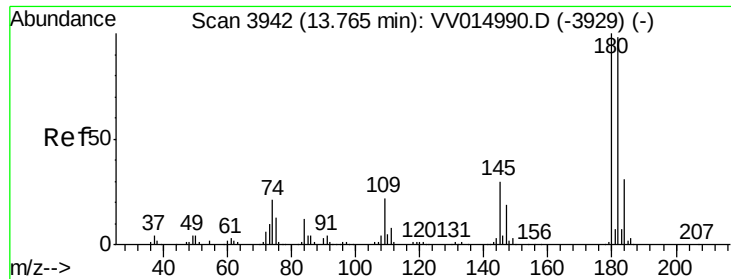
#68
 1,2,4-trichlorobenzene
 Concen: 11.625 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015000.D
 Acq: 18 Mar 2020 02:23

Tgt Ion:180 Resp: 41438
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.3 114.5
 145 29.1 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: 3.421 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015000.D
 Acq: 18 Mar 2020 02:23

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC1

Tgt Ion:	180	Resp:	12070
Ion	Ratio	Lower	Upper
180	100		
182	90.9	76.2	114.4
145	30.2	24.1	36.1

