

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
 Data File : VV015383.D
 Acq On : 02 Apr 2020 18:51
 Operator : SY/MD
 Sample : L2003-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 03 01:35:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 01:25:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	686627	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	655305	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	308905	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	210978	34.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.54%
7) Chloroethane-d5	1.58	69	192867	36.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.34%
11) 1,1-Dichloroethene-d2	1.96	63	222	0.02	ug/L	-0.16
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	3.94	46	276921	84.63	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.63%
24) Chloroform-d	4.38	84	408533	40.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.38%
26) 1,2-Dichloroethane-d4	5.06	65	270302	42.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.38%
32) Benzene-d6	5.08	84	842129	41.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.46%
36) 1,2-Dichloropropane-d6	6.09	67	253615	42.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.24%
41) Toluene-d8	7.34	98	814105	42.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.38%
43) trans-1,3-Dichloropropene-	7.64	79	129457	39.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.76%
47) 2-Hexanone-d5	8.12	63	234550	86.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.31%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	369577	43.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	310112	44.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.26%

Target Compounds

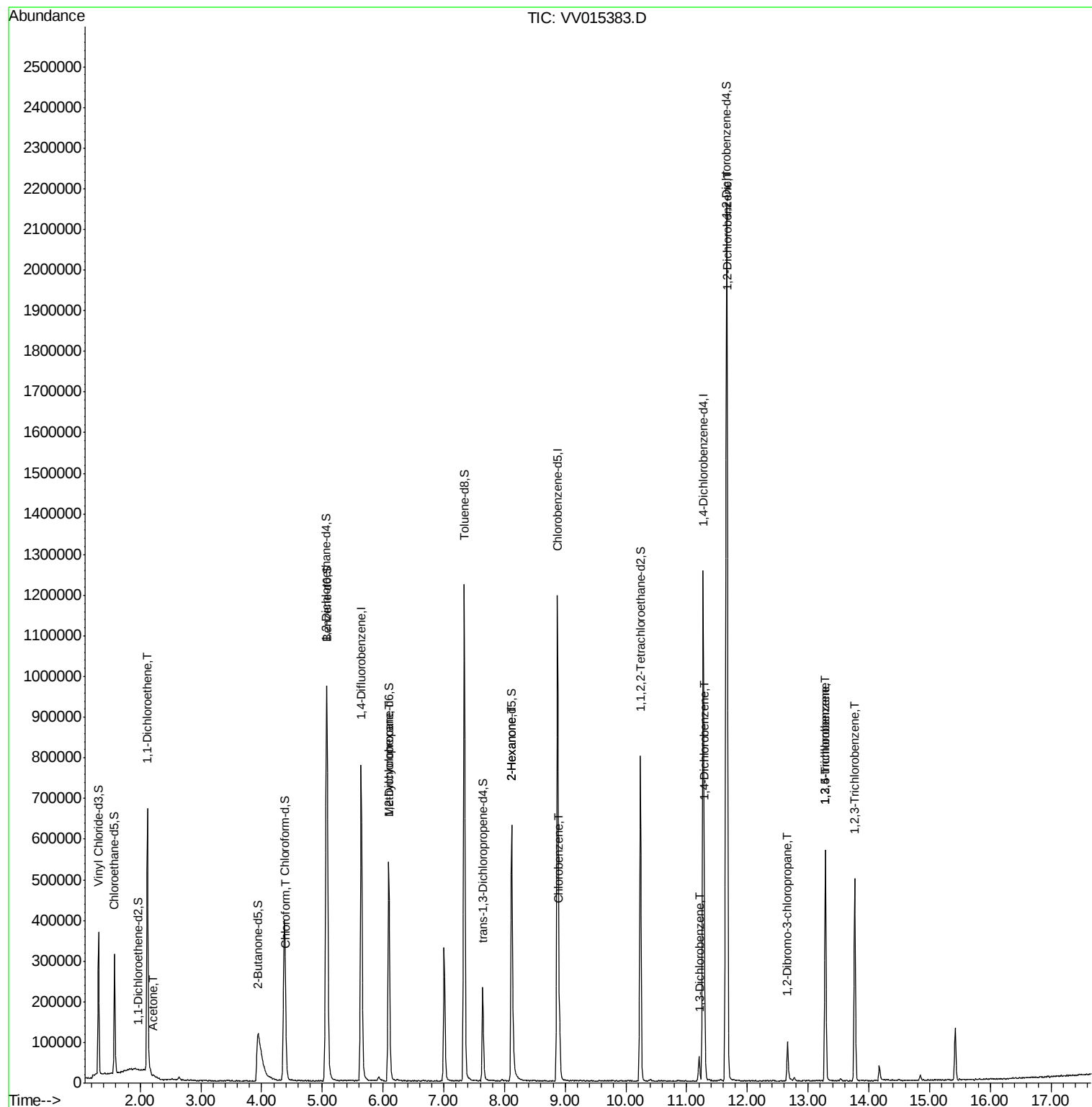
					Ovalue
12) 1,1-Dichloroethene	2.12	96	3622	0.737 ug/L #	1
13) Acetone	2.21	43	5193	2.418 ug/L	77
25) Chloroform	4.41	83	10423	1.126 ug/L	94
35) Methylcyclohexane	6.10	83	64680	7.687 ug/L #	21
48) 2-Hexanone	8.12	43	29305	5.783 ug/L #	83
51) Chlorobenzene	8.90	112	81445	5.765 ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	21235	2.042 ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	83485	7.915 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	710593	66.993 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.67	75	2851	1.361 ug/L #	4
67) 1,3,5-Trichlorobenzene	13.29	180	160891	23.344 ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	160891	25.557 ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	137871	21.261 ug/L	100

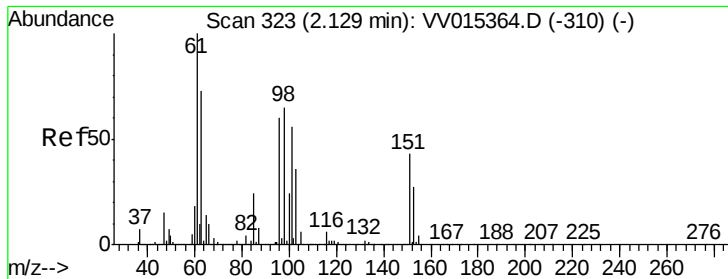
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :

Quant Time: Apr 03 01:35:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 03 01:25:45 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.737 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015383.D

Acq: 02 Apr 2020 18:51

Instrument :

MSVOA_V

ClientSampleId :

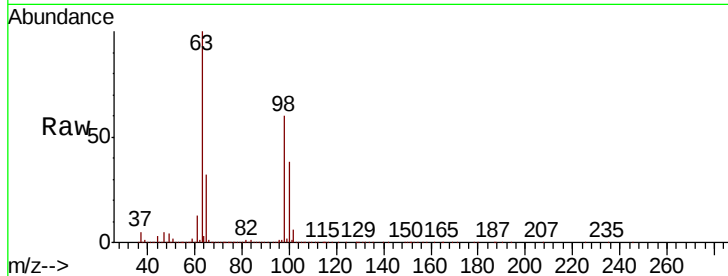
Tot Ion: 96 Resp: 3622

Ion Ratio Lower Upper

96 100

61 1506.7 118.0 219.2#

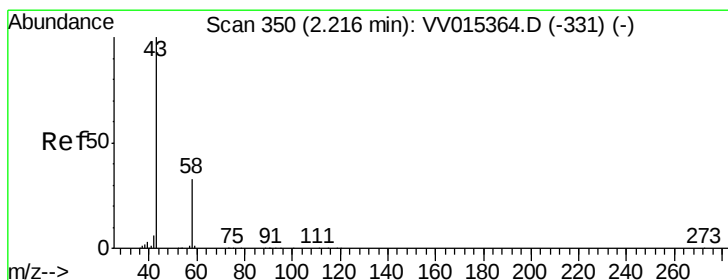
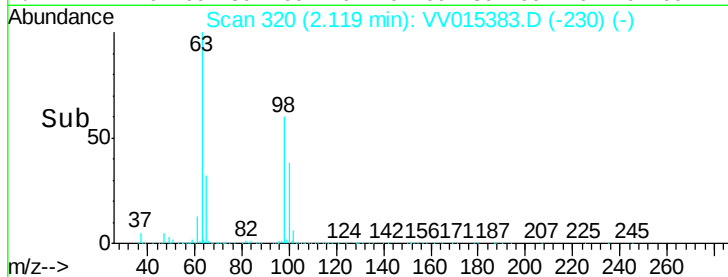
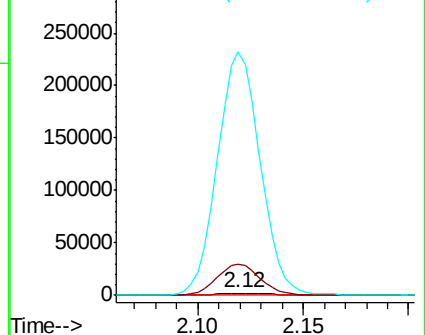
63 11569.1 92.3 171.3#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 2.418 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV015383.D

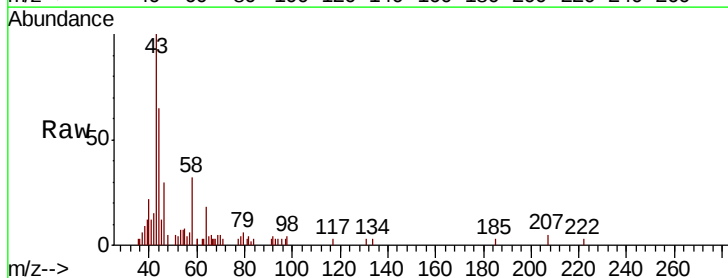
Acq: 02 Apr 2020 18:51

Tgt Ion: 43 Resp: 5193

Ion Ratio Lower Upper

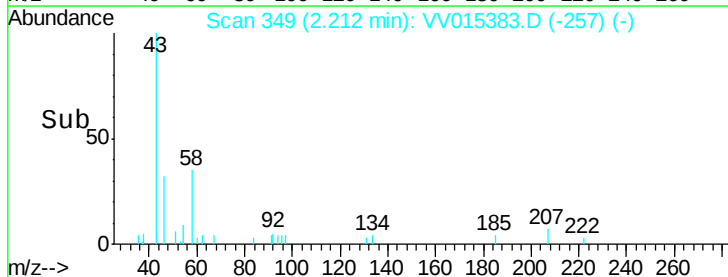
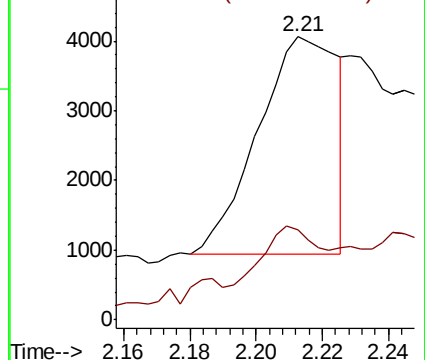
43 100

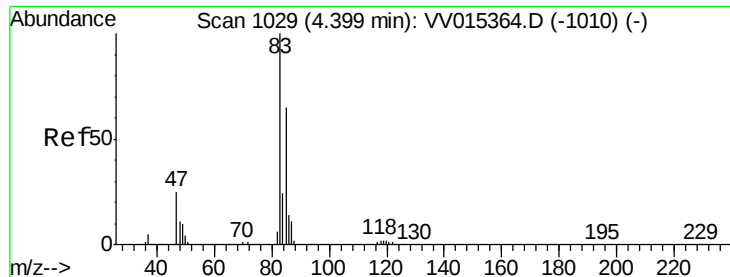
58 21.0 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#25

Chloroform

Concen: 1.126 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV015383.D

Acq: 02 Apr 2020 18:51

Instrument :

MSVOA_V

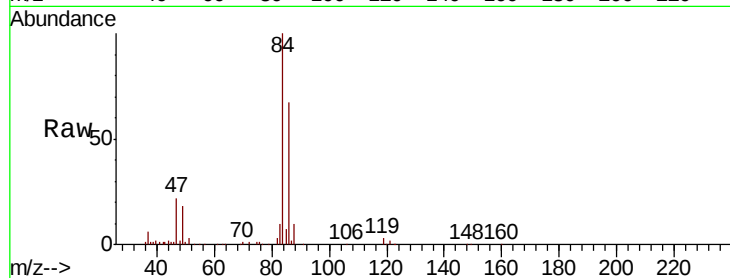
ClientSampleId :

Tot Ion: 83 Resp: 10423

Ion Ratio Lower Upper

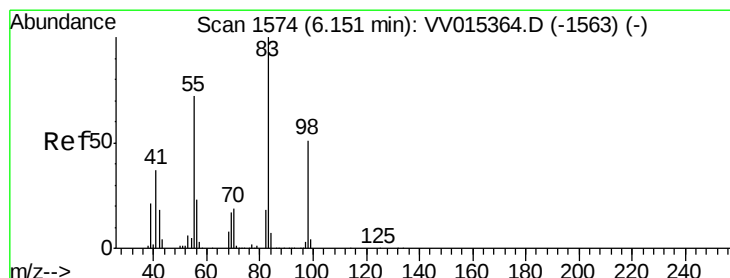
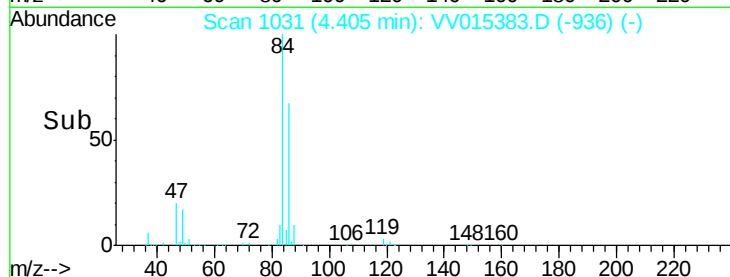
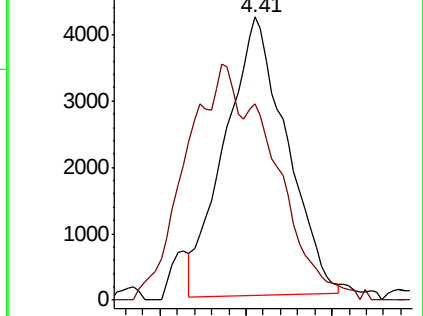
83 100

85 69.5 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#35

Methylcyclohexane

Concen: 7.687 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV015383.D

Acq: 02 Apr 2020 18:51

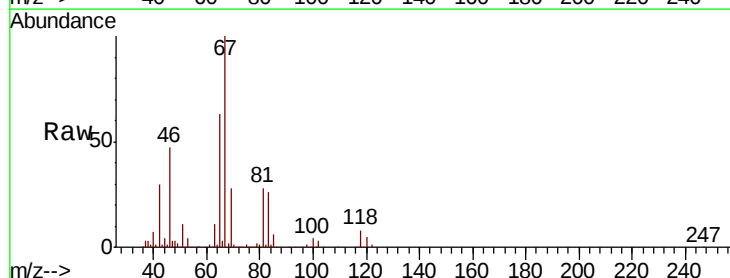
Tgt Ion: 83 Resp: 64680

Ion Ratio Lower Upper

83 100

55 0.8 57.9 86.9#

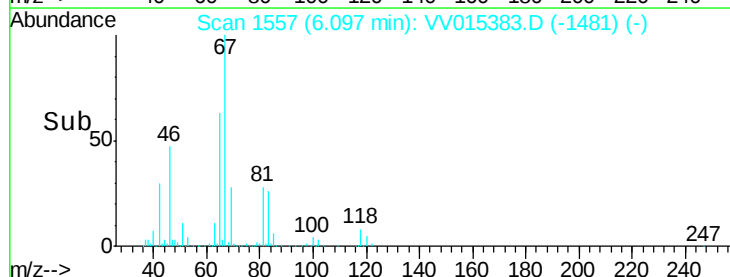
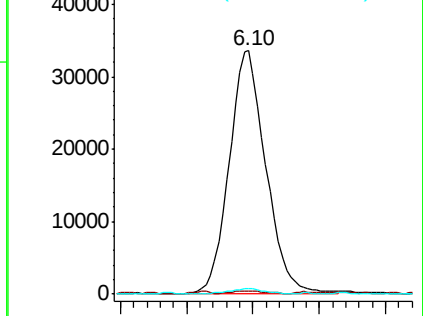
98 2.2 40.0 60.0#

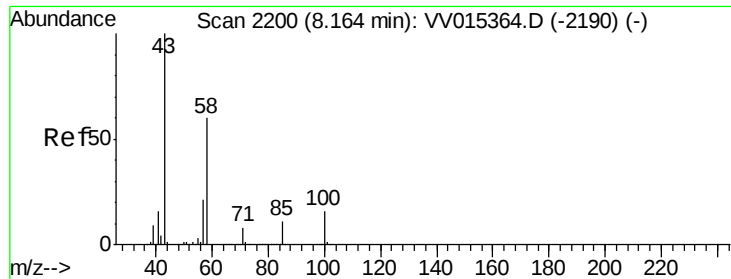


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

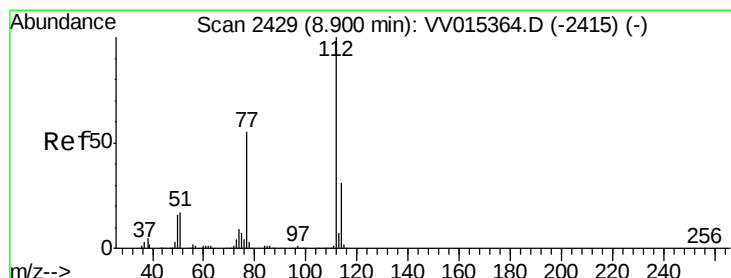
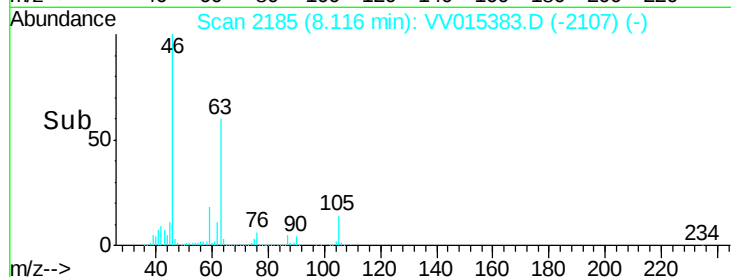
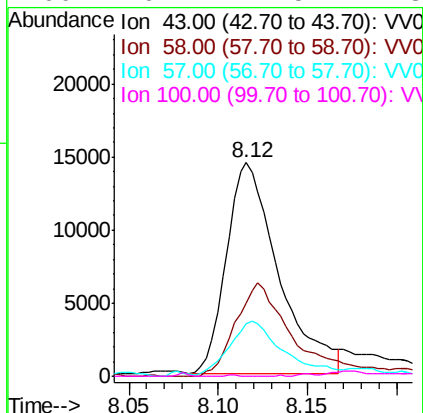
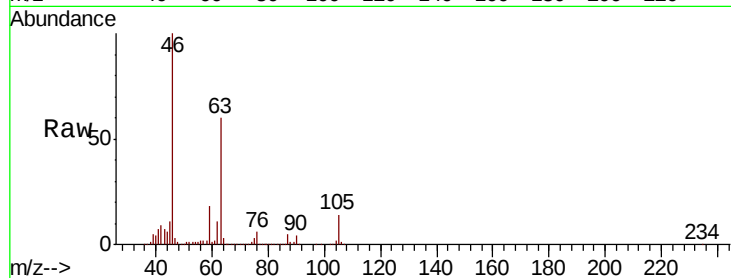




#48
2-Hexanone
Concen: 5.783 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015383.D
Acq: 02 Apr 2020 18:51

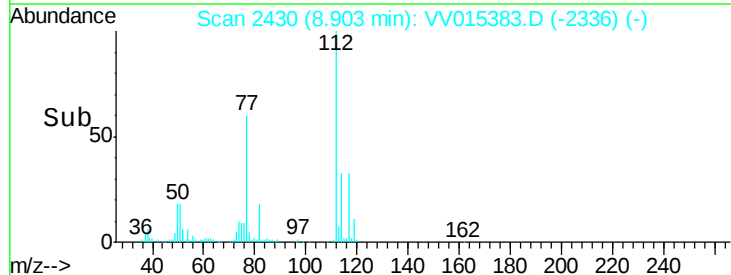
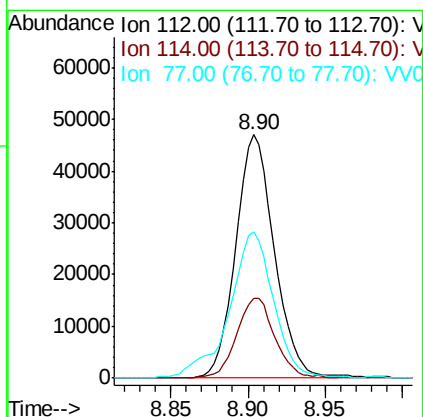
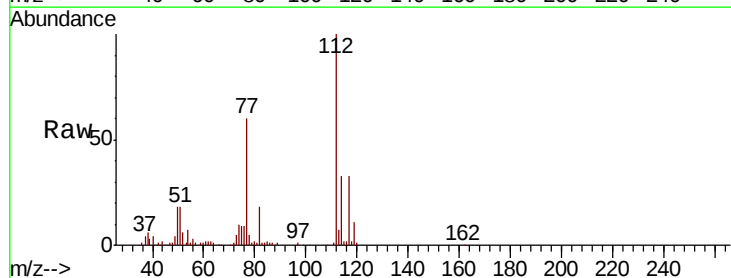
Instrument :
MSVOA_V
ClientSampleId :

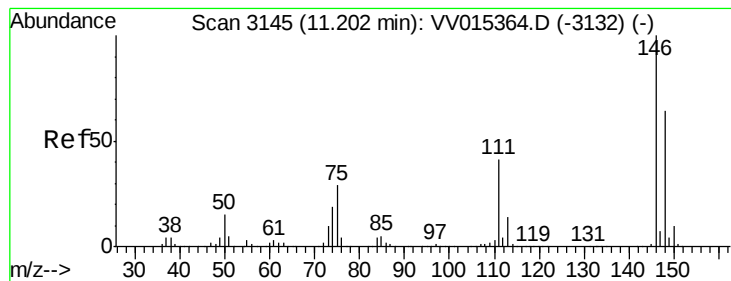
Tot Ion: 43 Resp: 29305
Ion Ratio Lower Upper
43 100
58 47.3 47.4 71.2#
57 25.2 16.7 25.1#
100 0.2 11.5 17.3#



#51
Chlorobenzene
Concen: 5.765 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015383.D
Acq: 02 Apr 2020 18:51

Tgt Ion: 112 Resp: 81445
Ion Ratio Lower Upper
112 100
114 32.7 21.8 40.4
77 60.0 46.2 69.2





#62

1,3-Dichlorobenzene

Concen: 2.042 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015383.D

Acq: 02 Apr 2020 18:51

Instrument :

MSVOA_V

ClientSampled :

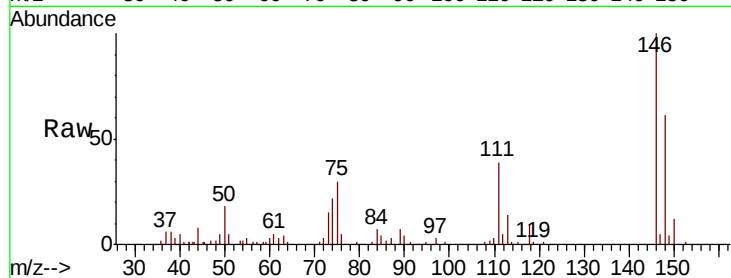
Tot Ion:146 Resp: 21235

Ion Ratio Lower Upper

146 100

111 39.5 30.2 56.2

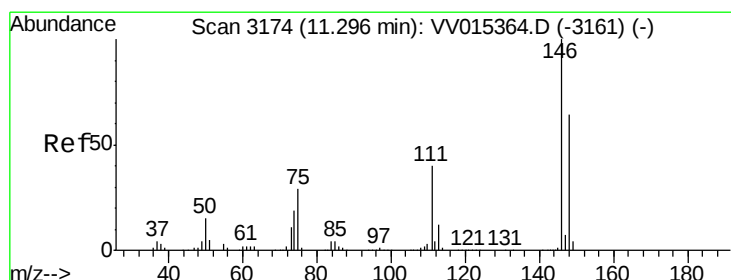
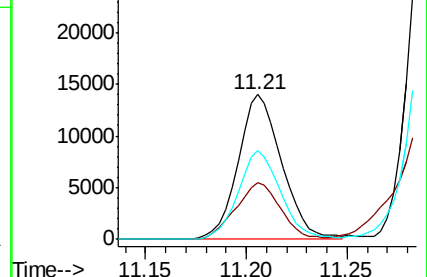
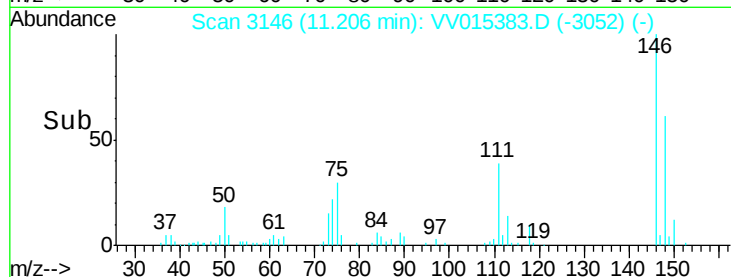
148 60.8 44.7 83.1



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: 7.915 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015383.D

Acq: 02 Apr 2020 18:51

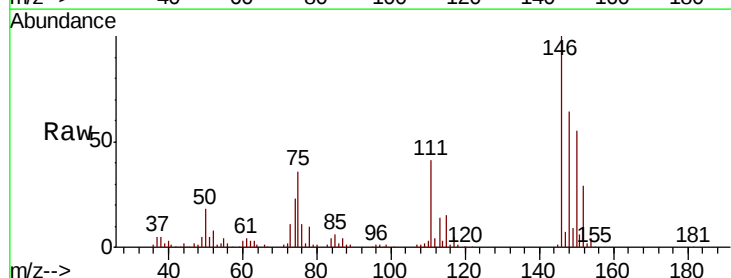
Tgt Ion:146 Resp: 83485

Ion Ratio Lower Upper

146 100

111 41.3 29.3 54.5

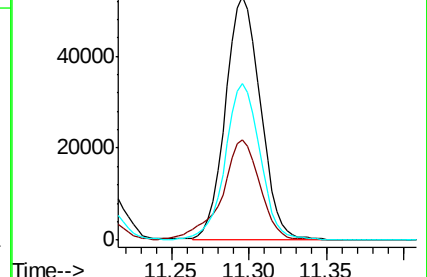
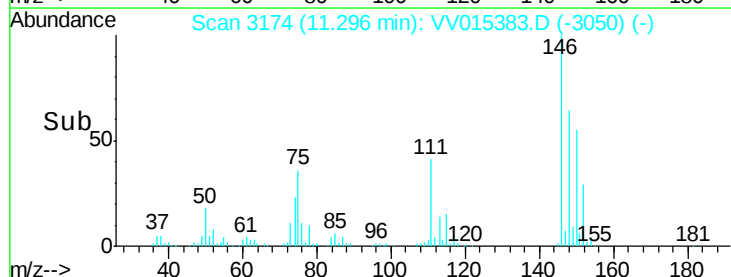
148 64.4 44.7 82.9

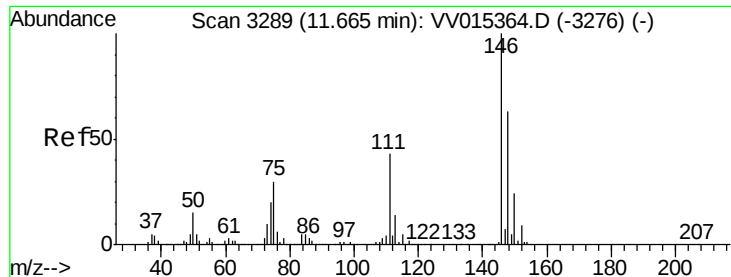


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

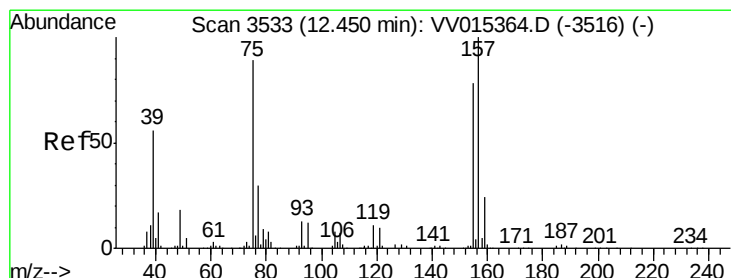
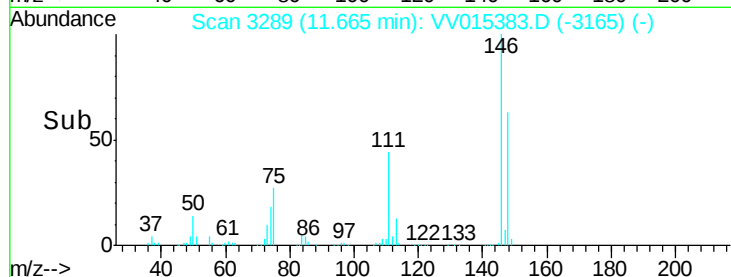
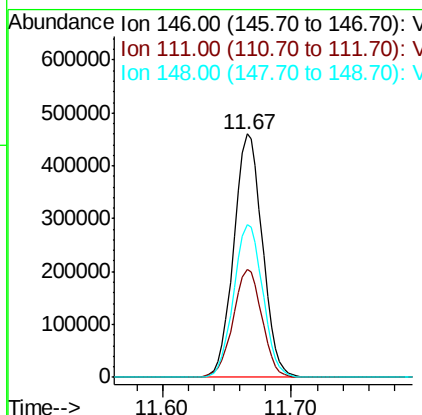
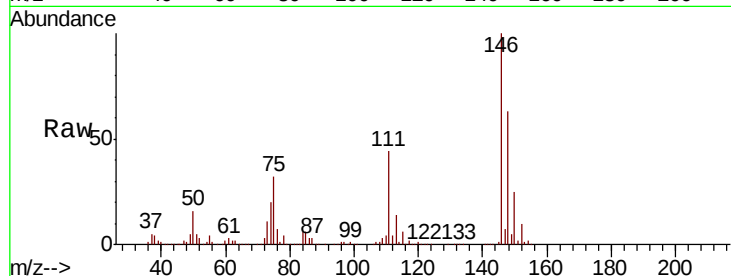




#65
 1,2-Dichlorobenzene
 Concen: 66.993 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015383.D
 Acq: 02 Apr 2020 18:51

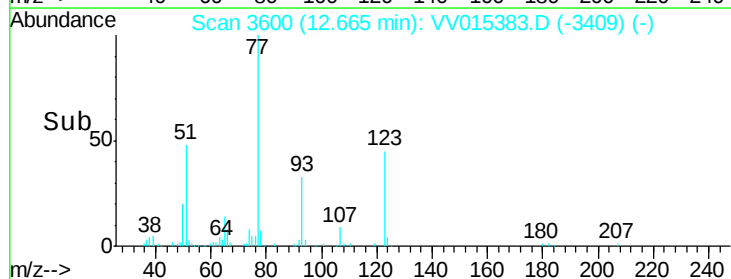
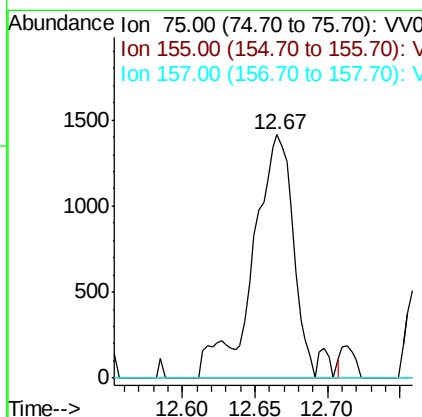
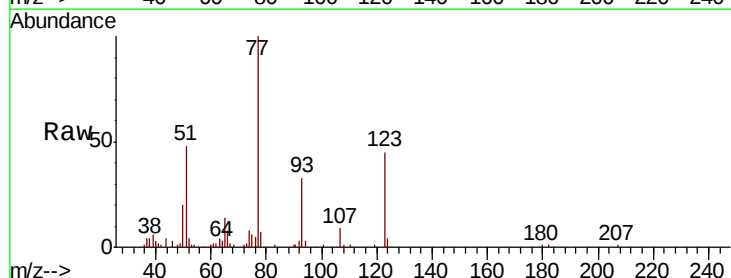
Instrument :
 MSVOA_V
 ClientSampleId :

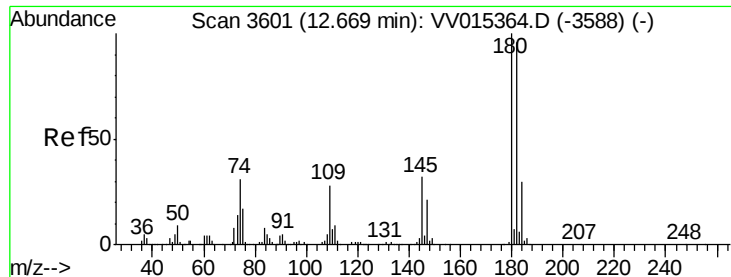
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	35.1	52.7
148	62.9	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.361 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.22 min
 Lab File: VV015383.D
 Acq: 02 Apr 2020 18:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	64.5	96.7#
157	0.0	79.8	119.6#

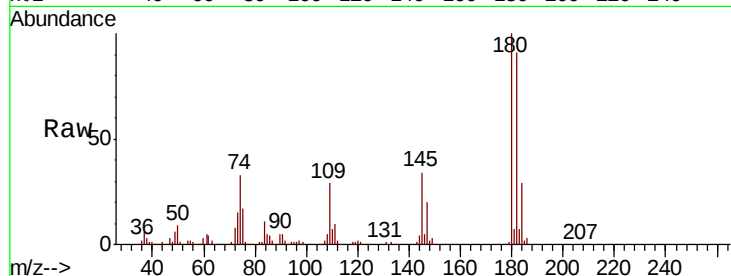




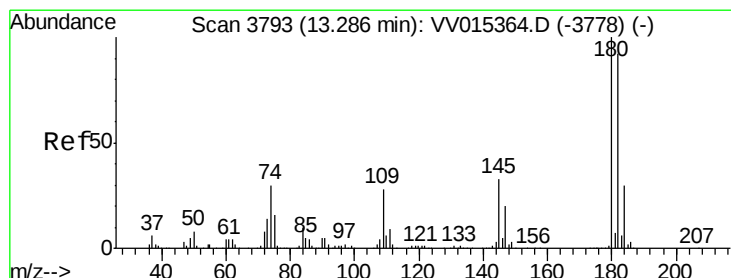
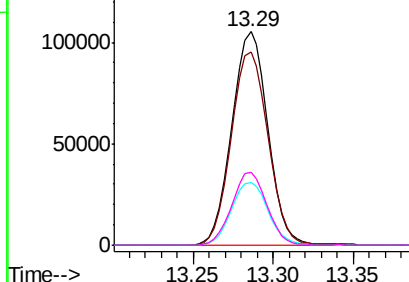
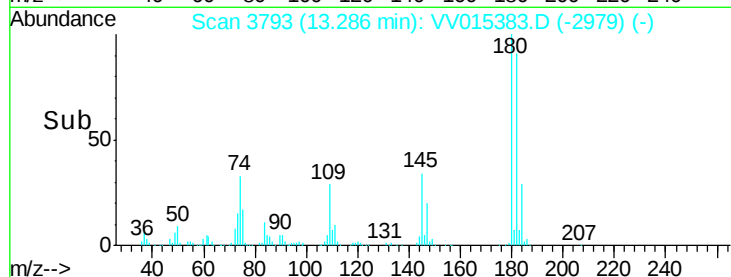
#67
 1,3,5-Trichlorobenzene
 Concen: 23.344 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015383.D
 Acq: 02 Apr 2020 18:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	74.7	112.1
184	30.2	23.7	35.5
145	33.1	26.8	40.2

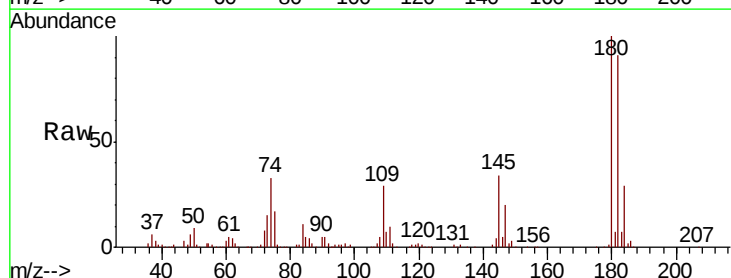


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

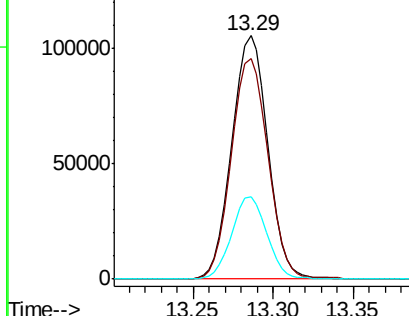
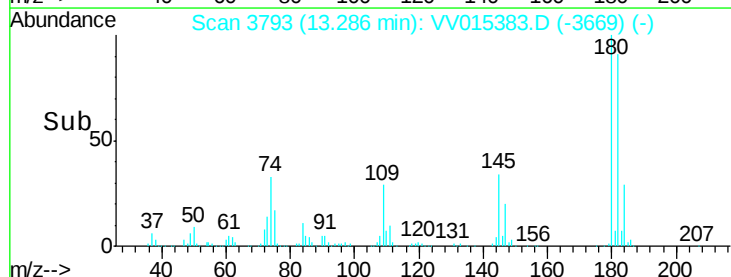


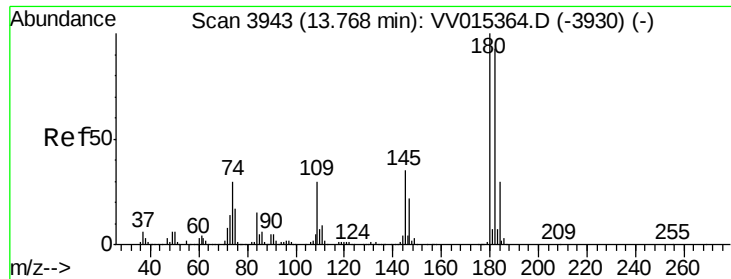
#68
 1,2,4-trichlorobenzene
 Concen: 25.557 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015383.D
 Acq: 02 Apr 2020 18:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.8	113.8
145	33.1	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: 21.261 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015383.D

Acq: 02 Apr 2020 18:51

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 137871

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 35.5 28.2 42.4

