

Data File : VV015118.D
Acq On : 24 Mar 2020 12:59
Operator : SY/MD
Sample : L1941-19DL200X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DL9DL

Quant Time: Mar 25 01:14:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 25 01:10:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	778732	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	743500	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	357743	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	276597	38.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.90%
7) Chloroethane-d5	1.58	69	247779	40.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.12	63	406817	33.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.76%
21) 2-Butanone-d5	3.94	46	394309	84.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.13%
24) Chloroform-d	4.38	84	448661	41.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.52%
26) 1,2-Dichloroethane-d4	5.06	65	295981	42.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.50%
32) Benzene-d6	5.08	84	941059	41.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.58%
36) 1,2-Dichloropropane-d6	6.09	67	297281	40.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.68%
41) Toluene-d8	7.34	98	905344	43.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.72%
43) trans-1,3-Dichloropropene-	7.64	79	160709	41.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.58%
47) 2-Hexanone-d5	8.11	63	308490	83.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.31%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	422643	40.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	339561	42.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.02%

Target Compounds

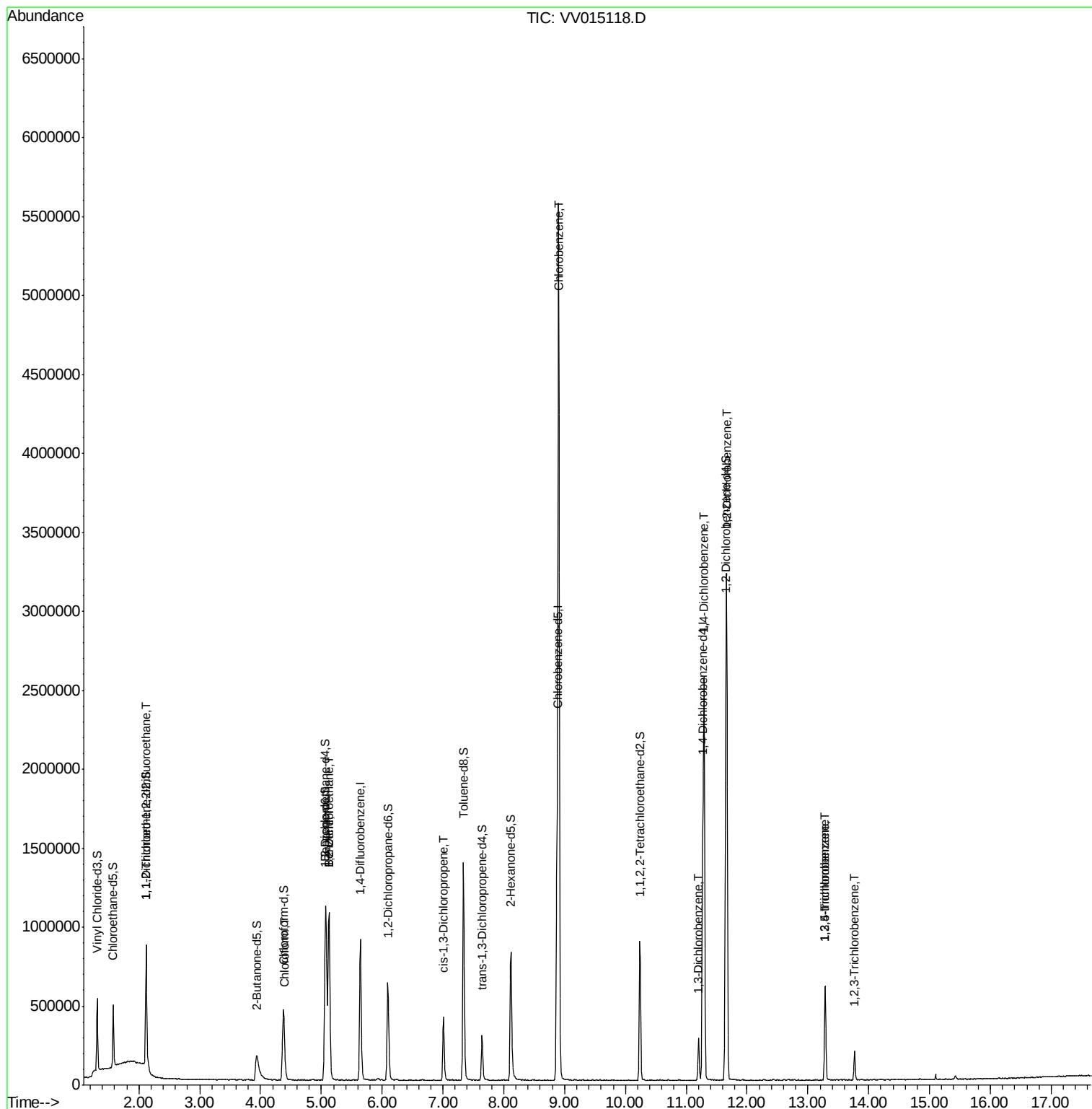
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	4406	0.940	ug/L #	29
25) Chloroform	4.40	83	26426	2.593	ug/L	96
27) 1,2-Dichloroethane	5.12	62	7243	0.892	ug/L	99
33) Benzene	5.13	78	1067925	47.303	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	10808	1.087	ug/L #	52
51) Chlorobenzene	8.90	112	2850684	184.750	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	102487	8.618	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	916748	76.259	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1117200	90.146	ug/L	100
67) 1,3,5-Trichlorobenzene	13.29	180	169674	20.823	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	169674	21.926	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	50347	6.315	ug/L	99

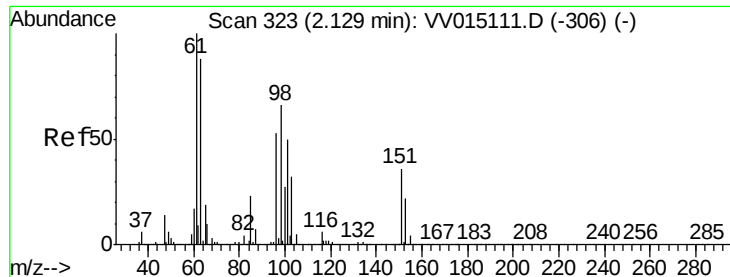
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.940 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015118.D

Acq: 24 Mar 2020 12:59

Instrument :

MSVOA_V

ClientSampleId :

C0DL9DL

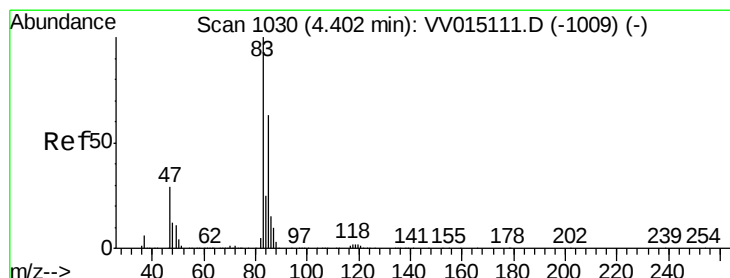
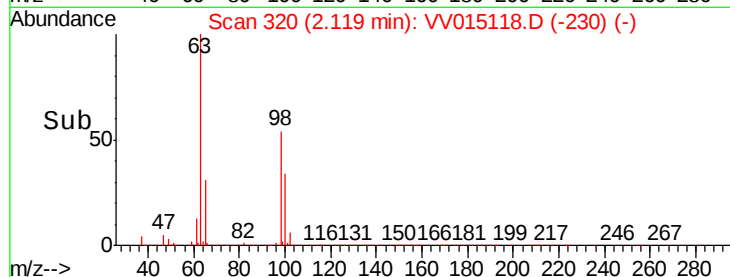
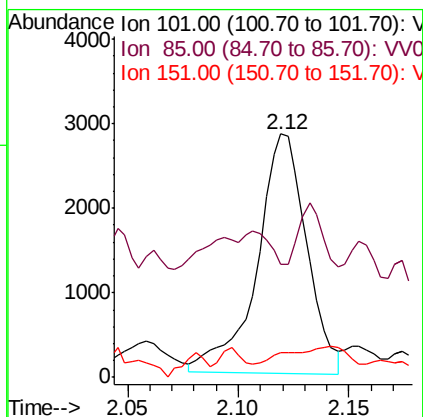
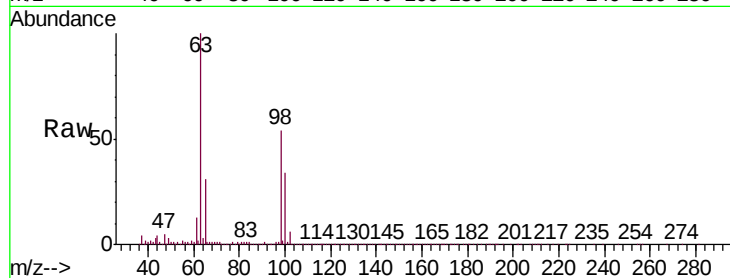
Tgt Ion: 101 Resp: 4406

Ion Ratio Lower Upper

101 100

85 11.6 37.2 55.8#

151 2.3 56.3 84.5#



#25

Chloroform

Concen: 2.593 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015118.D

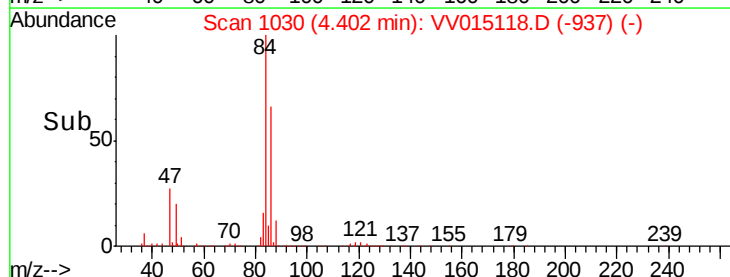
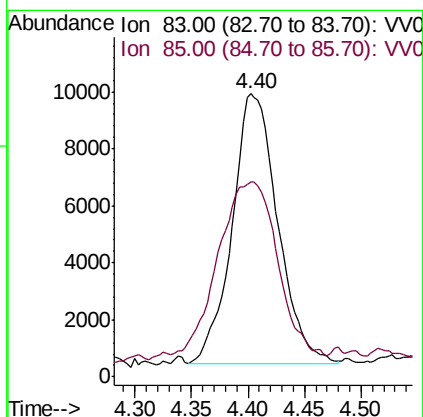
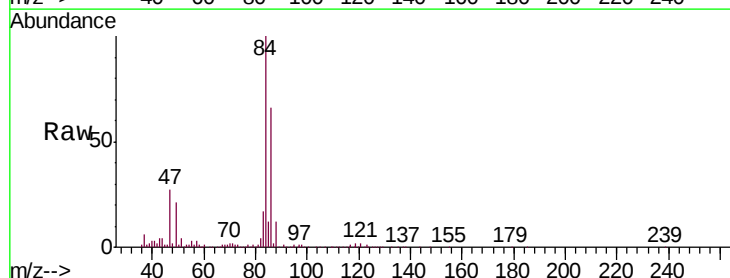
Acq: 24 Mar 2020 12:59

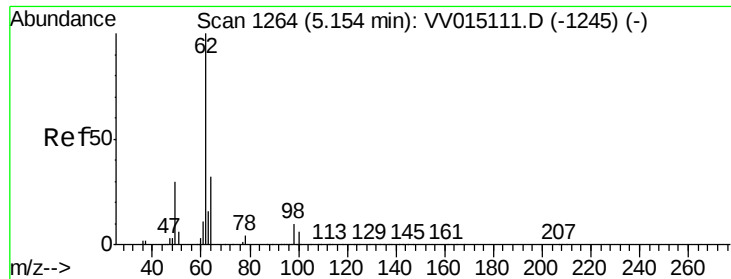
Tgt Ion: 83 Resp: 26426

Ion Ratio Lower Upper

83 100

85 68.7 45.8 85.0

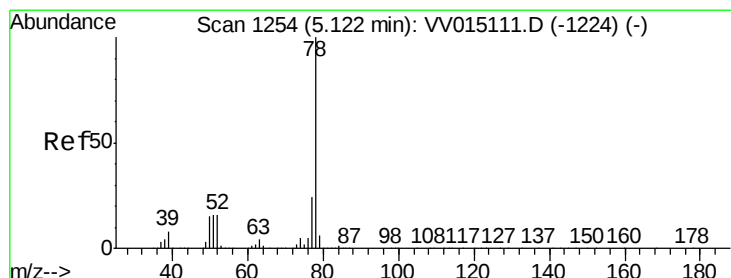
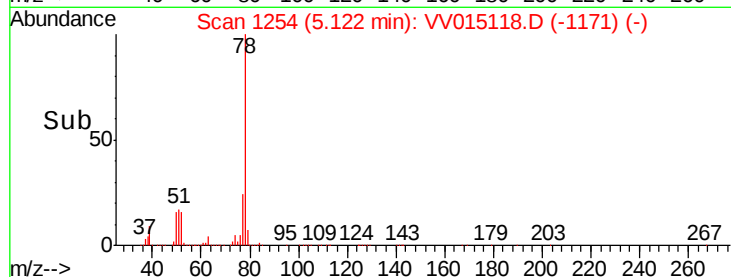
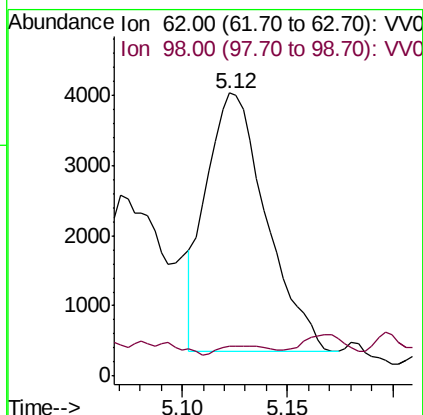
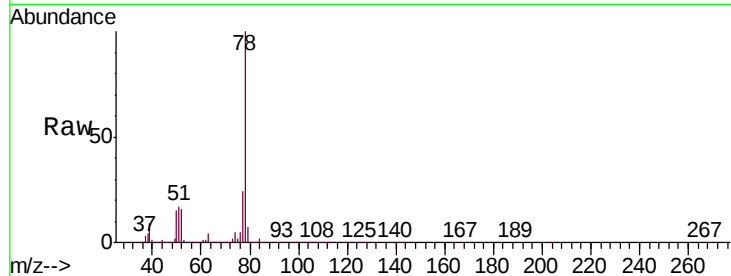




#27
 1,2-Dichloroethane
 Concen: 0.892 ug/L
 RT: 5.12 min Scan# 1254
 Delta R.T. -0.03 min
 Lab File: VV015118.D
 Acq: 24 Mar 2020 12:59

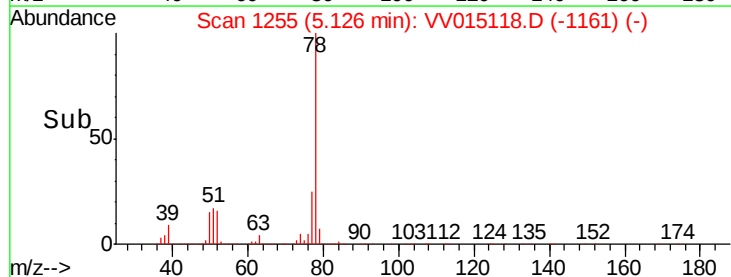
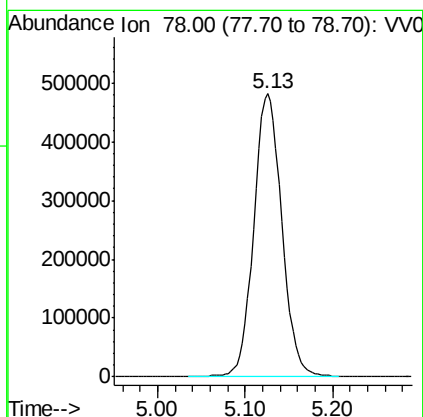
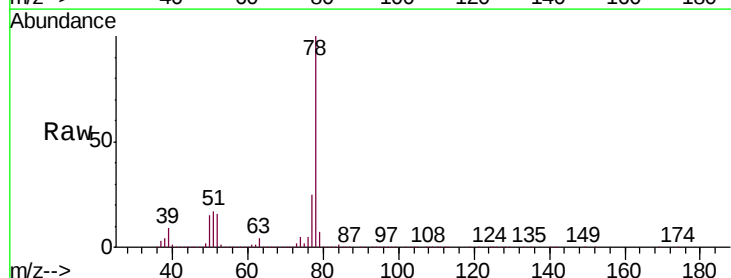
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL9DL

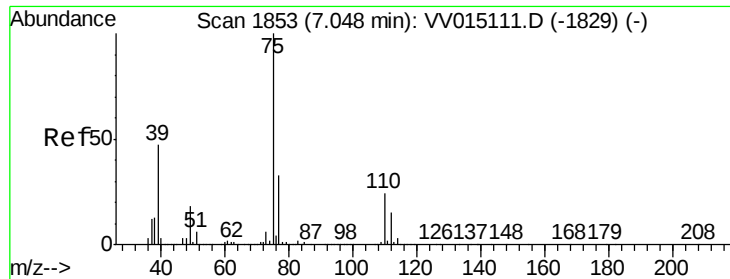
Tgt Ion: 62 Resp: 7243
 Ion Ratio Lower Upper
 62 100
 98 10.4 8.0 12.0



#33
 Benzene
 Concen: 47.303 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV015118.D
 Acq: 24 Mar 2020 12:59

Tgt Ion: 78 Resp: 1067925





#39

cis-1,3-Dichloropropene

Concen: 1.087 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV015118.D

Acq: 24 Mar 2020 12:59

Instrument :

MSVOA_V

ClientSampleId :

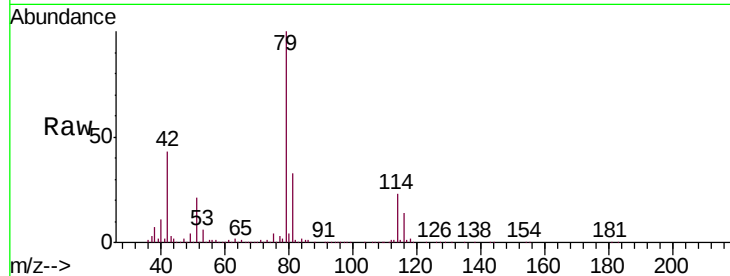
C0DL9DL

Tgt Ion: 75 Resp: 10808

Ion Ratio Lower Upper

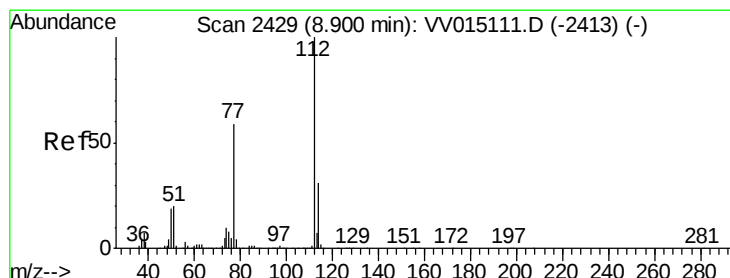
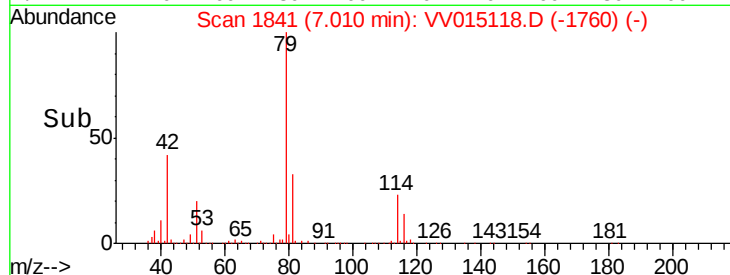
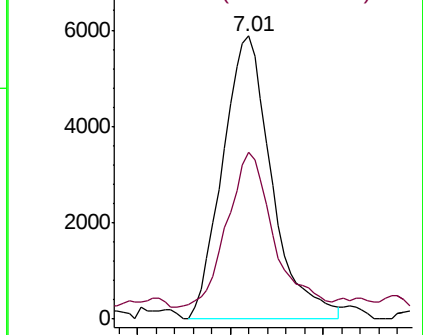
75 100

77 58.8 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#51

Chlorobenzene

Concen: 184.750 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015118.D

Acq: 24 Mar 2020 12:59

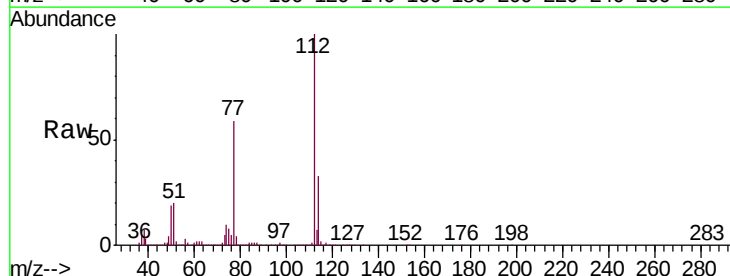
Tgt Ion: 112 Resp: 2850684

Ion Ratio Lower Upper

112 100

114 32.8 22.3 41.3

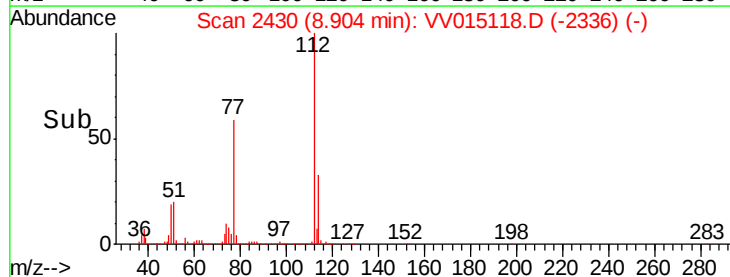
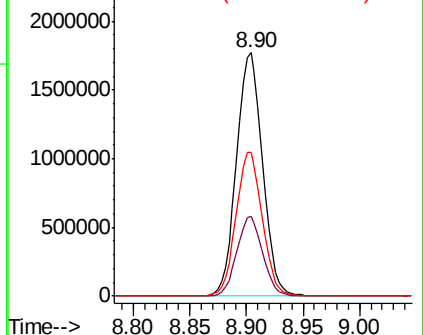
77 59.3 48.1 72.1

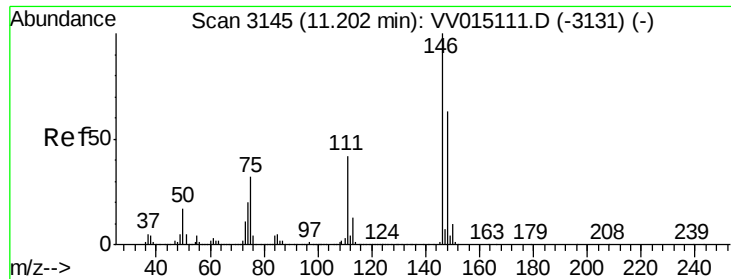


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 8.618 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015118.D

Acq: 24 Mar 2020 12:59

Instrument :

MSVOA_V

ClientSampleId :

C0DL9DL

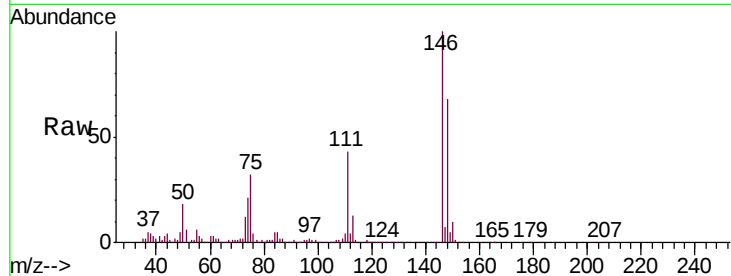
Tgt Ion:146 Resp: 102487

Ion Ratio Lower Upper

146 100

111 42.6 29.7 55.1

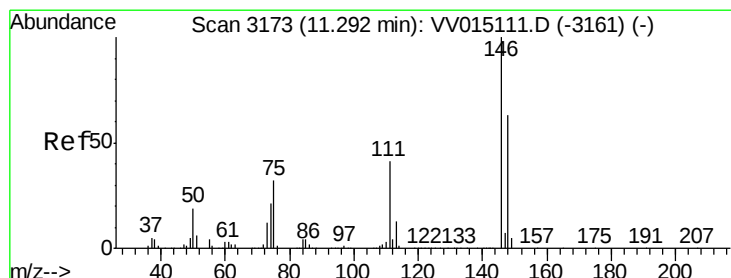
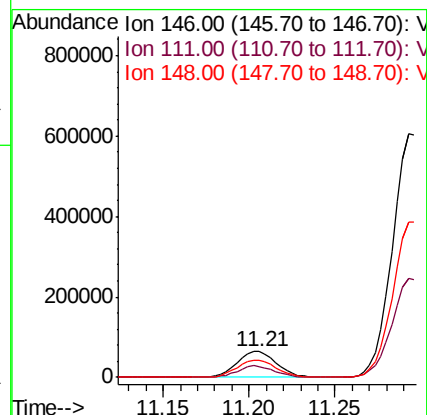
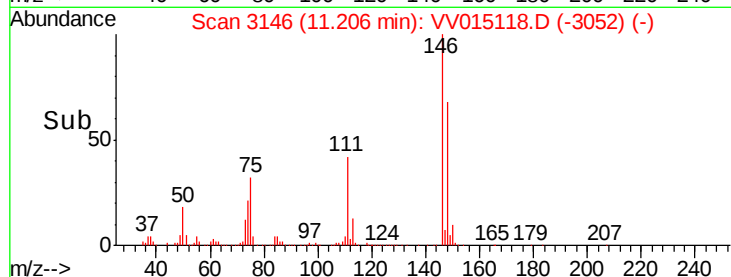
148 67.9 45.3 84.1



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: 76.259 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV015118.D

Acq: 24 Mar 2020 12:59

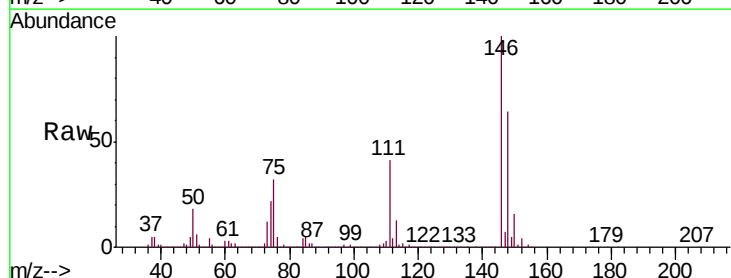
Tgt Ion:146 Resp: 916748

Ion Ratio Lower Upper

146 100

111 40.8 28.2 52.4

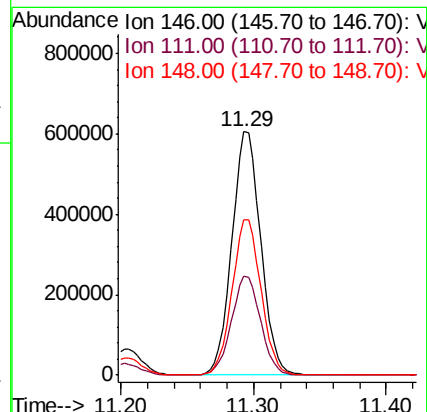
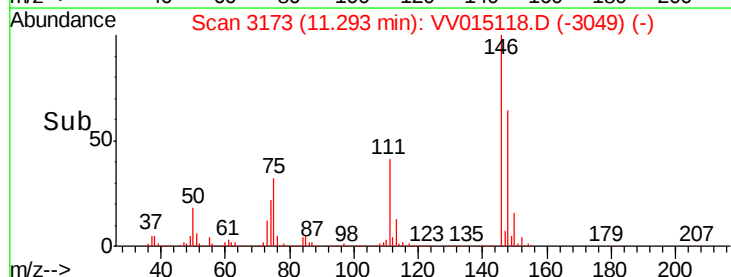
148 63.9 44.9 83.5

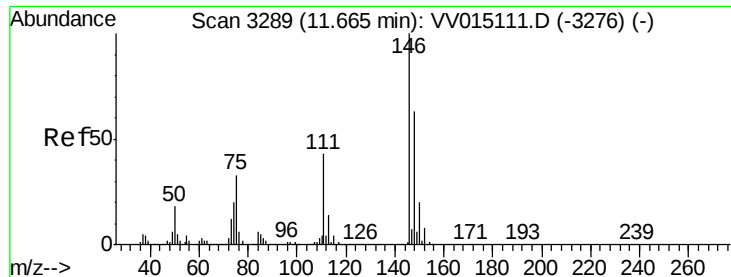


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 90.146 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015118.D

Acq: 24 Mar 2020 12:59

Instrument :

MSVOA_V

ClientSampleId :

C0DL9DL

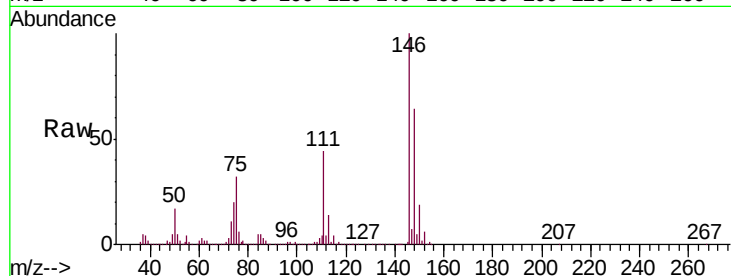
Tgt Ion:146 Resp: 1117200

Ion Ratio Lower Upper

146 100

111 43.9 35.2 52.8

148 63.7 50.6 75.8

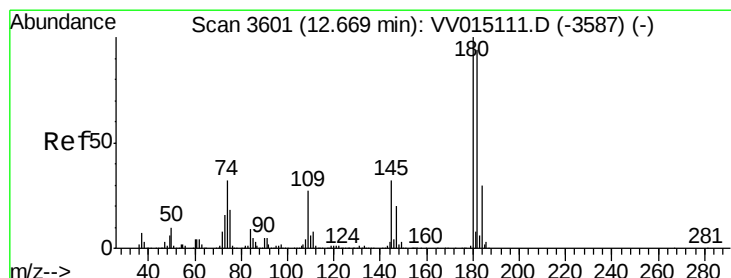
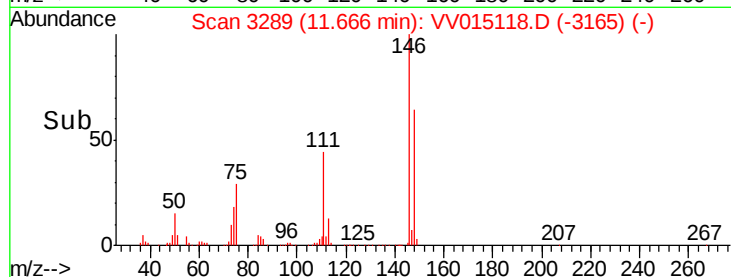
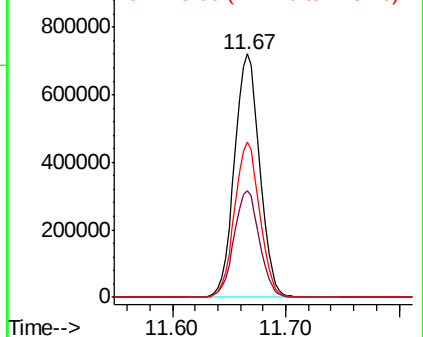


Abundance

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: 20.823 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV015118.D

Acq: 24 Mar 2020 12:59

Tgt Ion:180 Resp: 169674

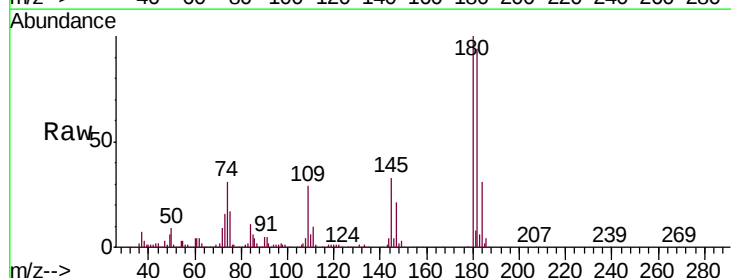
Ion Ratio Lower Upper

180 100

182 95.3 75.9 113.9

184 30.9 23.7 35.5

145 33.2 25.8 38.6



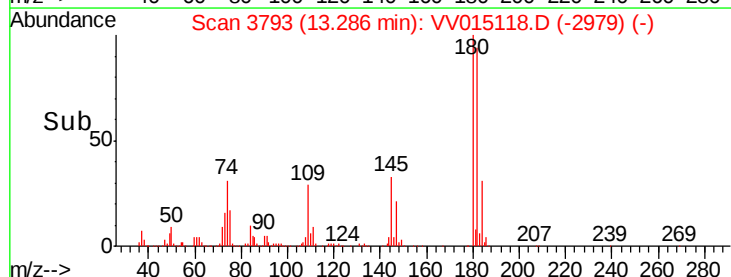
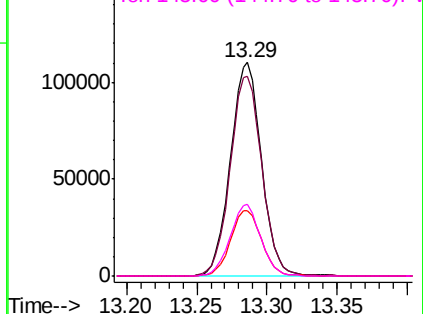
Abundance

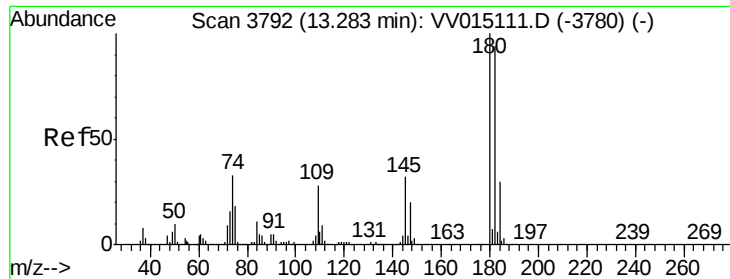
Ion 180.00 (179.70 to 180.70): V

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

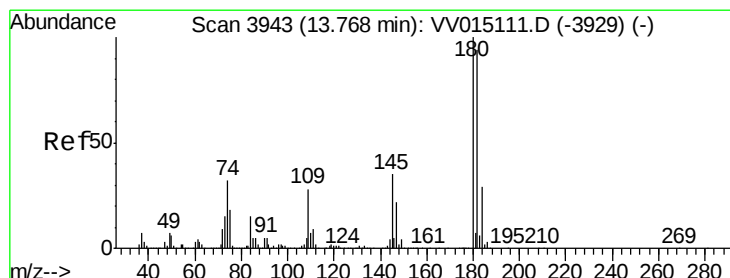
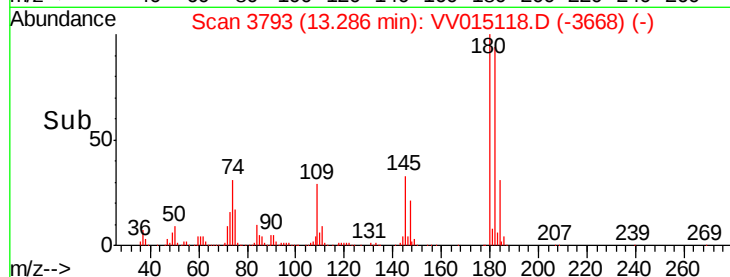
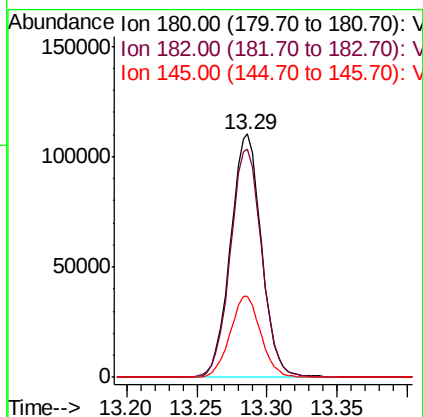
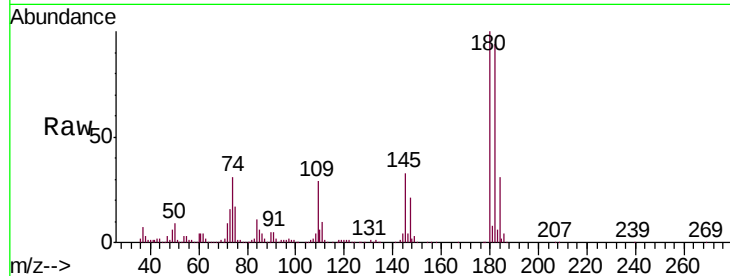




#68
 1,2,4-trichlorobenzene
 Concen: 21.926 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015118.D
 Acq: 24 Mar 2020 12:59

Instrument :
 MSVOA_V
 ClientSampled :
 C0DL9DL

Tgt Ion:180 Resp: 169674
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.5 113.3
 145 33.2 26.4 39.6



#70
 1,2,3-Trichlorobenzene
 Concen: 6.315 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015118.D
 Acq: 24 Mar 2020 12:59

Tgt Ion:180 Resp: 50347
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.6 115.0
 145 35.1 27.8 41.6

