

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015183.D
 Acq On : 26 Mar 2020 22:36
 Operator : SY/MD
 Sample : L1968-16DL 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 03:40:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 03:08:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	579782	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	554293	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	239209	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	197700	63.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	127.12%
7) Chloroethane-d5	1.58	69	191613	61.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.20%
11) 1,1-Dichloroethene-d2	2.12	63	318036	44.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.68%
21) 2-Butanone-d5	3.94	46	301942	97.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.49%
24) Chloroform-d	4.38	84	355786	52.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.38%
26) 1,2-Dichloroethane-d4	5.06	65	246089	54.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.36%
32) Benzene-d6	5.08	84	735414	64.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	129.00%#
36) 1,2-Dichloropropane-d6	6.10	67	234932	57.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.26%
41) Toluene-d8	7.34	98	698224	67.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	135.16%#
43) trans-1,3-Dichloropropene-	7.64	79	110264	49.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.46%
47) 2-Hexanone-d5	8.12	63	238119	99.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.02%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	339983	48.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	246539	55.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

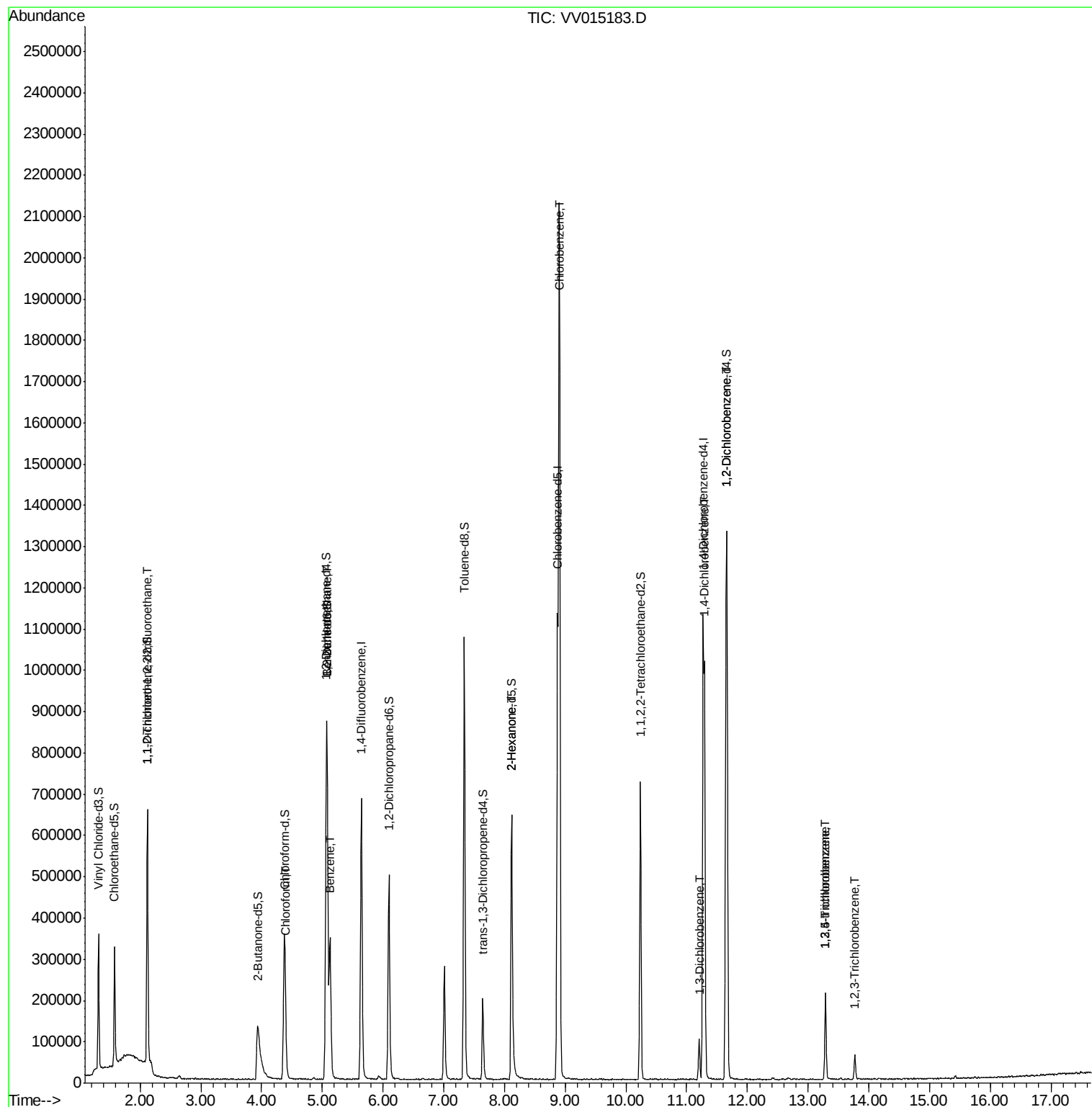
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3422	0.721	ug/L #	24
25) Chloroform	4.40	83	18205	2.354	ug/L	97
27) 1,2-Dichloroethane	5.08	62	4464	0.728	ug/L	95
33) Benzene	5.13	78	341364	20.686	ug/L	100
48) 2-Hexanone	8.12	43	27334	5.440	ug/L #	81
51) Chlorobenzene	8.90	112	1092002	92.862	ug/L	100
62) 1,3-Dichlorobenzene	11.21	146	36811	4.590	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	335932	41.462	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	351770	43.259	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	52618	10.253	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	52618	10.749	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	15478	3.158	ug/L	98

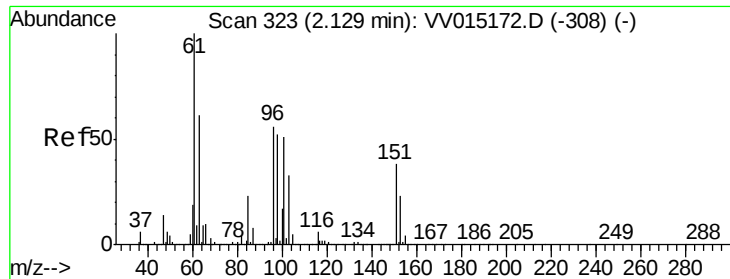
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.721 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015183.D

Acq: 26 Mar 2020 22:36

Instrument :

MSVOA_V

ClientSampled :

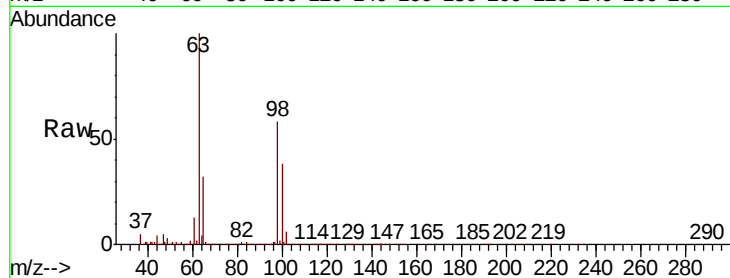
Tot Ion:101 Resp: 3422

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

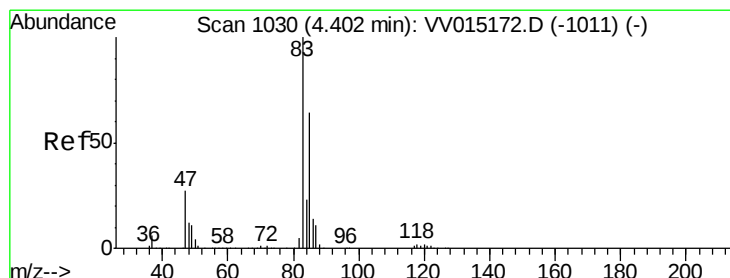
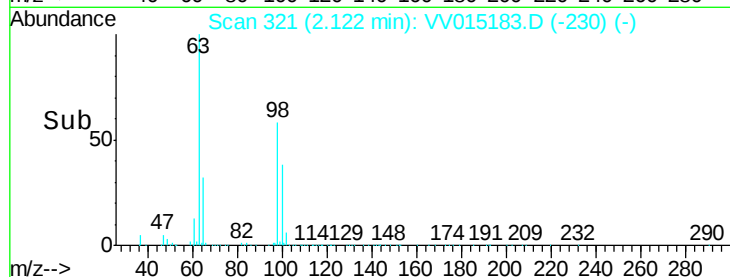
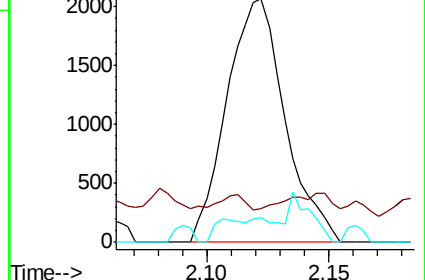
151 5.1 57.7 86.5#



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



#25

Chloroform

Concen: 2.354 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015183.D

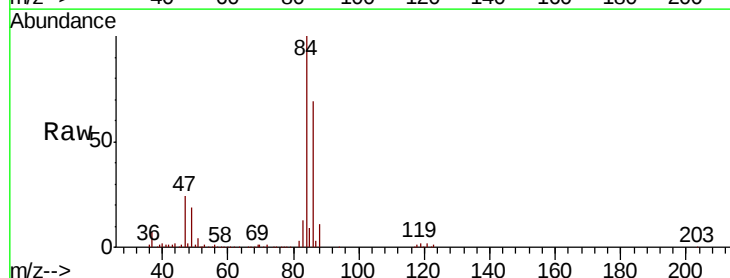
Acq: 26 Mar 2020 22:36

Tgt Ion: 83 Resp: 18205

Ion Ratio Lower Upper

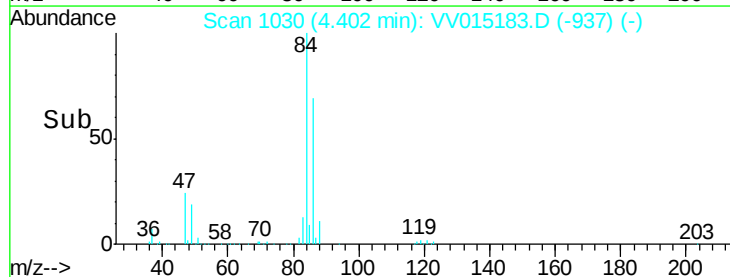
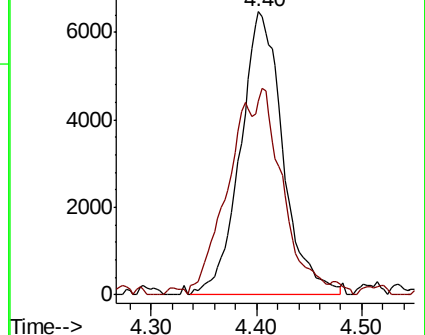
83 100

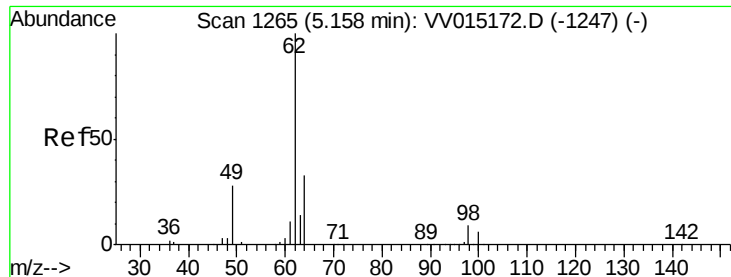
85 68.5 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.728 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV015183.D

Acq: 26 Mar 2020 22:36

Instrument :

MSVOA_V

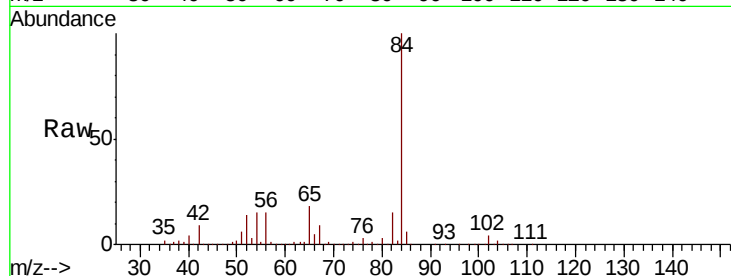
ClientSampleId :

Tot Ion: 62 Resp: 4464

Ion Ratio Lower Upper

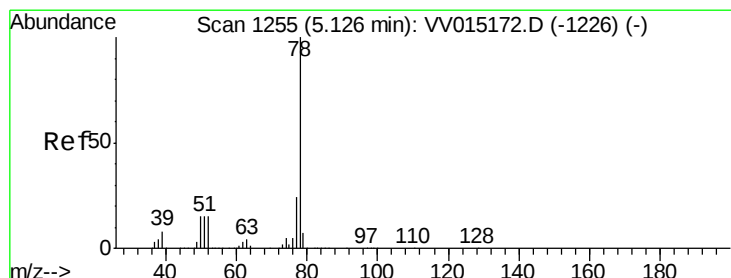
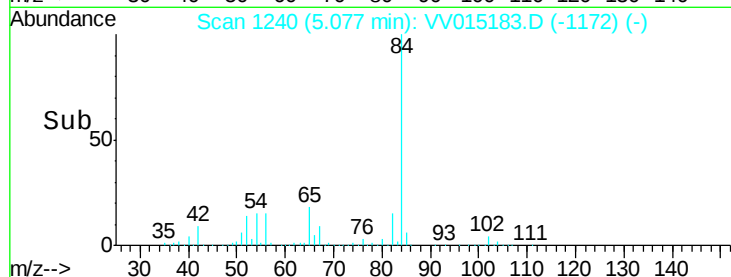
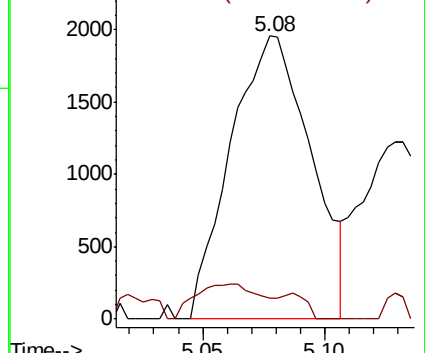
62 100

98 7.5 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#33

Benzene

Concen: 20.686 ug/L

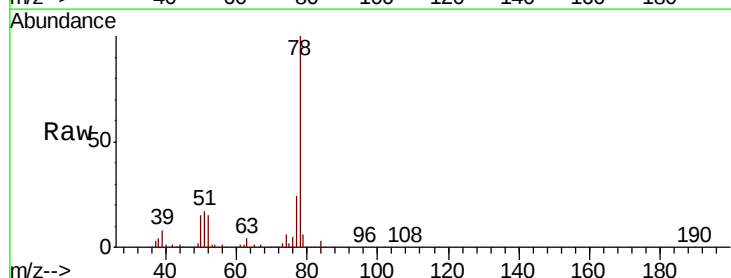
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

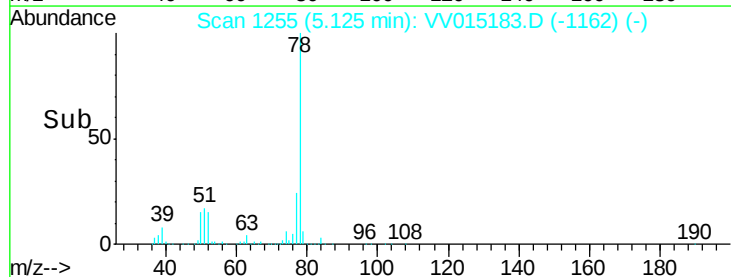
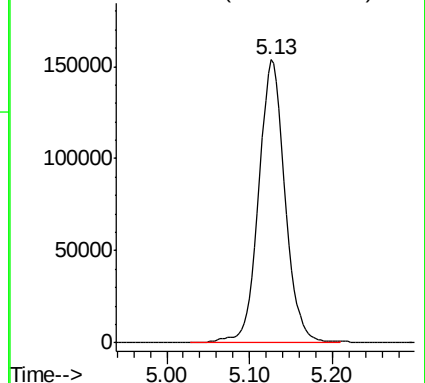
Lab File: VV015183.D

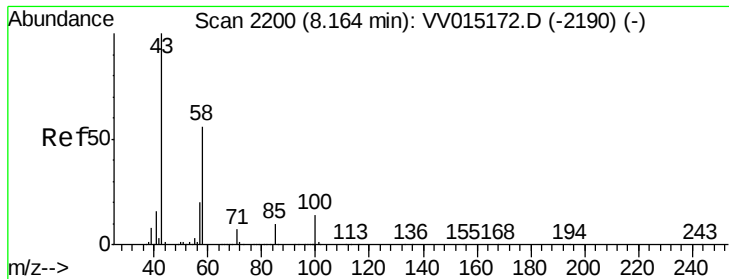
Acq: 26 Mar 2020 22:36

Tgt Ion: 78 Resp: 341364



Abundance Ion 78.00 (77.70 to 78.70): VV0

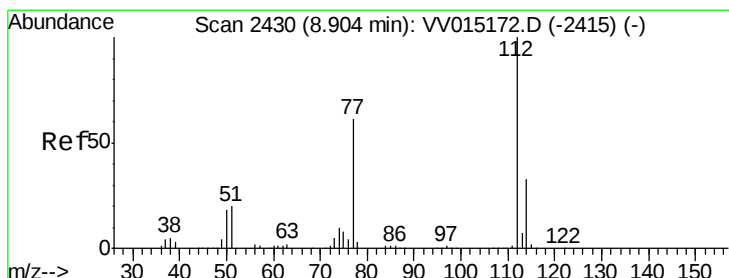
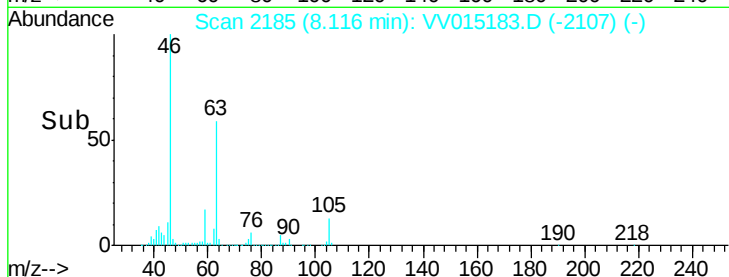
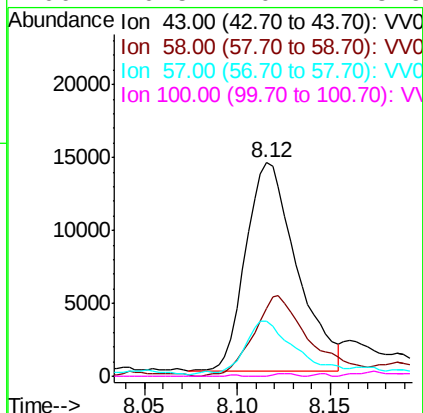
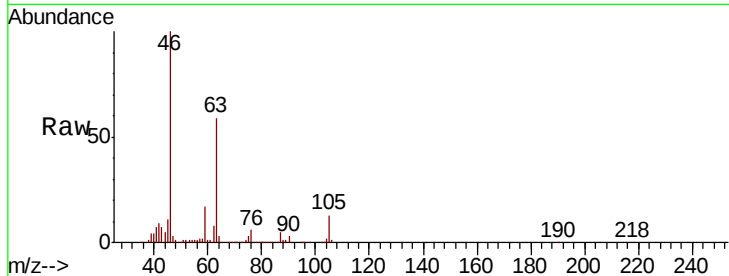




#48
2-Hexanone
Concen: 5.440 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015183.D
Acq: 26 Mar 2020 22:36

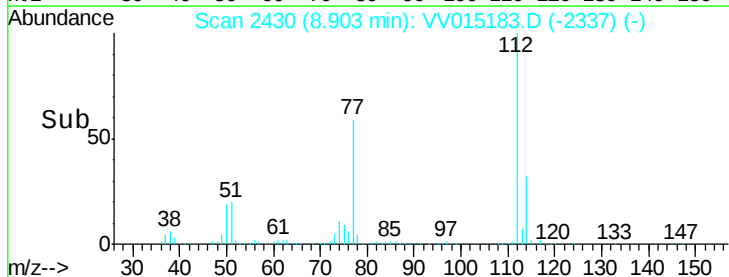
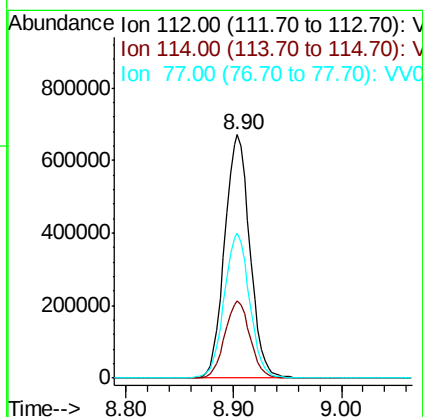
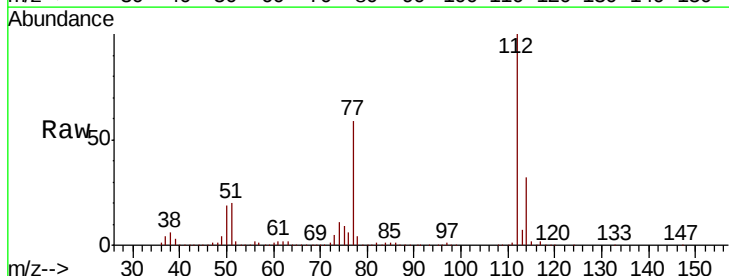
Instrument :
MSVOA_V
ClientSampleId :

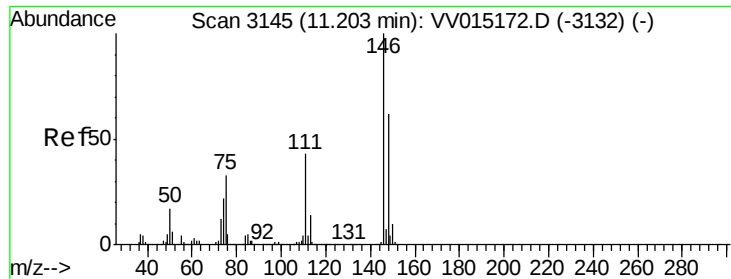
Tot Ion: 43 Resp: 27334
Ion Ratio Lower Upper
43 100
58 39.7 44.3 66.5#
57 21.5 15.4 23.0
100 0.5 10.4 15.6#



#51
Chlorobenzene
Concen: 92.862 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015183.D
Acq: 26 Mar 2020 22:36

Tgt Ion: 112 Resp: 1092002
Ion Ratio Lower Upper
112 100
114 31.7 22.1 41.1
77 59.5 47.3 70.9





#62

1,3-Dichlorobenzene

Concen: 4.590 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015183.D

Acq: 26 Mar 2020 22:36

Instrument :

MSVOA_V

ClientSampleId :

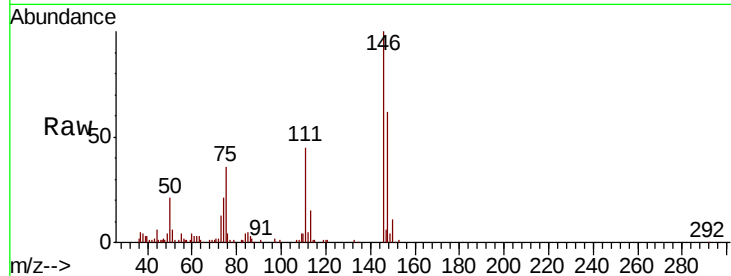
Tot Ion:146 Resp: 36811

Ion Ratio Lower Upper

146 100

111 44.8 30.5 56.7

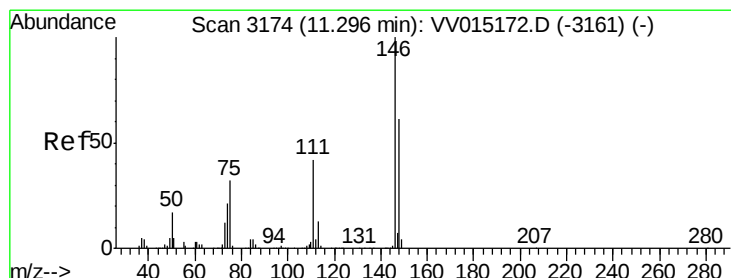
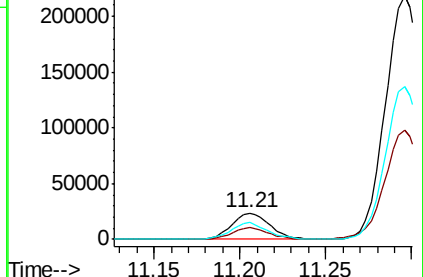
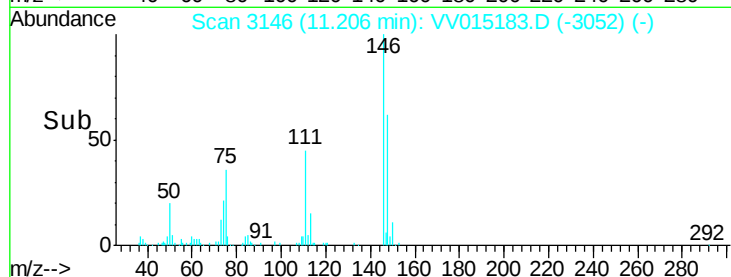
148 62.0 44.0 81.6



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: 41.462 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015183.D

Acq: 26 Mar 2020 22:36

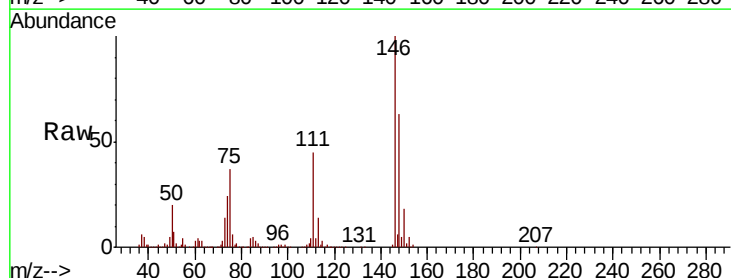
Tgt Ion:146 Resp: 335932

Ion Ratio Lower Upper

146 100

111 45.0 29.2 54.2

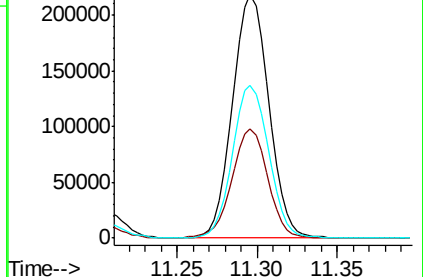
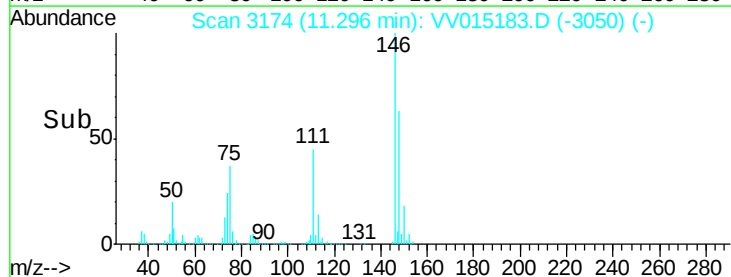
148 62.8 44.8 83.2

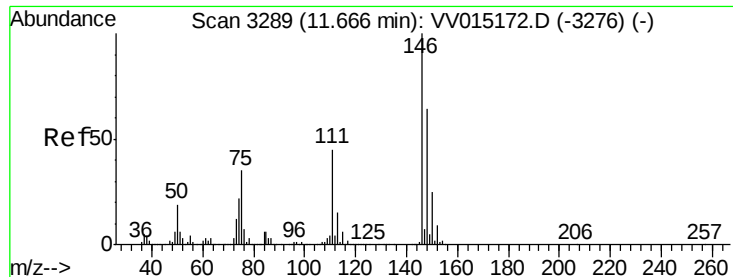


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 43.259 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015183.D

Acq: 26 Mar 2020 22:36

Instrument :

MSVOA_V

ClientSampleId :

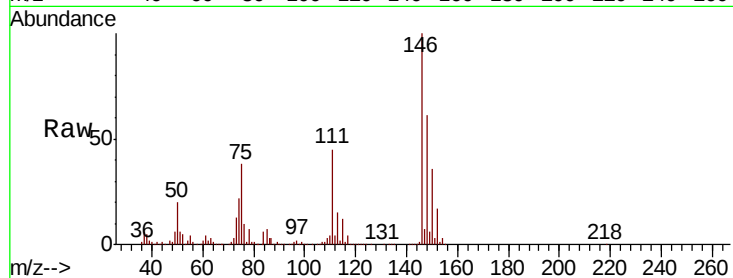
Tot Ion:146 Resp: 351770

Ion Ratio Lower Upper

146 100

111 45.4 35.4 53.2

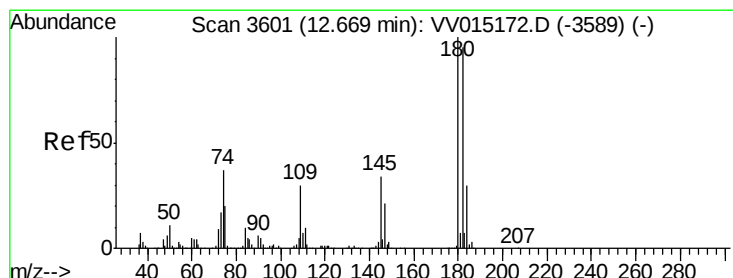
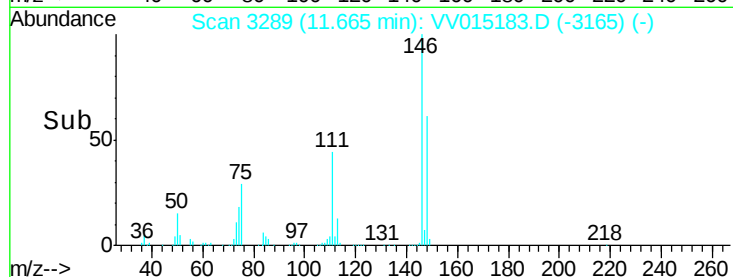
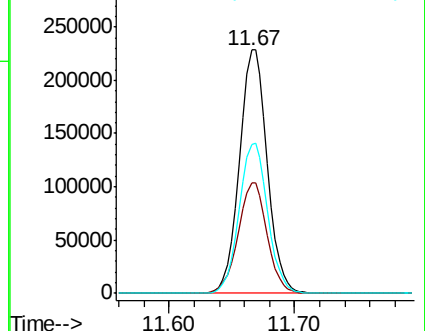
148 61.3 49.7 74.5



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



#67

1,3,5-Trichlorobenzene

Concen: 10.253 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV015183.D

Acq: 26 Mar 2020 22:36

Tgt Ion:180 Resp: 52618

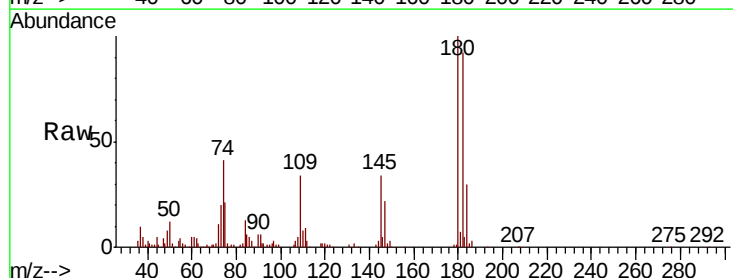
Ion Ratio Lower Upper

180 100

182 91.4 76.6 114.8

184 30.1 24.2 36.4

145 34.0 27.6 41.4

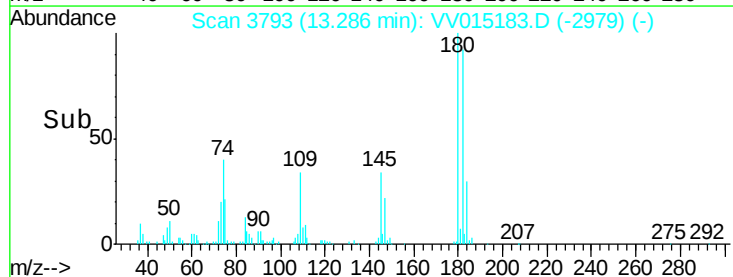
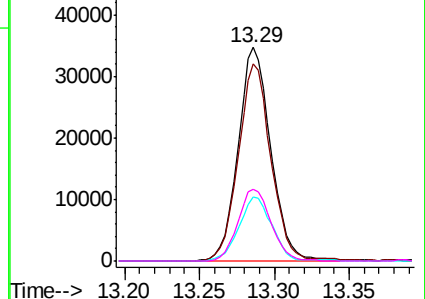


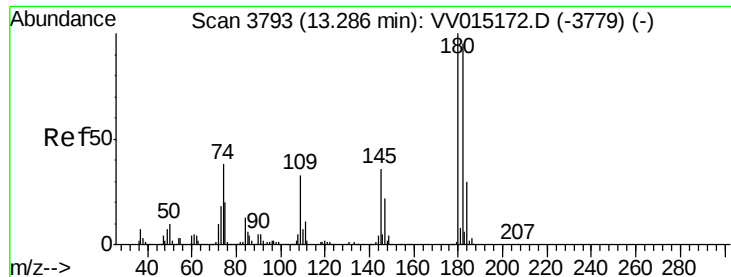
Abundance Ion 180.00 (179.70 to 180.70): V

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

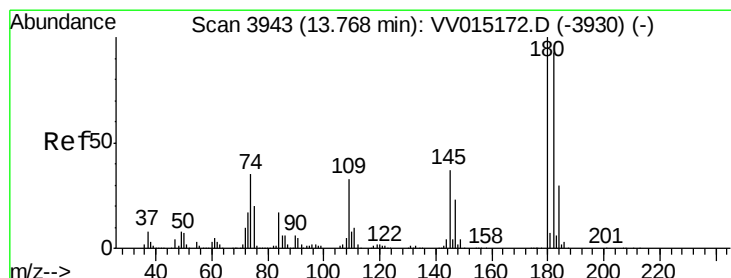
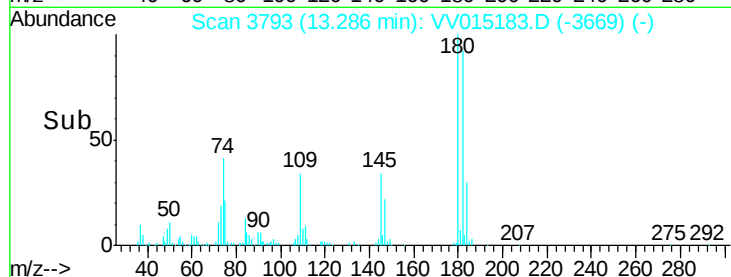
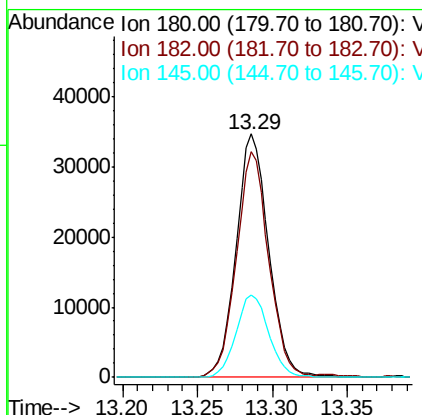
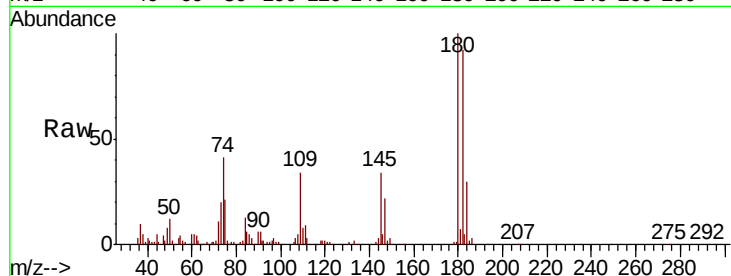




#68
 1,2,4-trichlorobenzene
 Concen: 10.749 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015183.D
 Acq: 26 Mar 2020 22:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 52618
 Ion Ratio Lower Upper
 180 100
 182 91.4 75.2 112.8
 145 34.0 27.5 41.3



#70
 1,2,3-Trichlorobenzene
 Concen: 3.158 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015183.D
 Acq: 26 Mar 2020 22:36

Tgt Ion:180 Resp: 15478
 Ion Ratio Lower Upper
 180 100
 182 91.4 74.6 112.0
 145 38.2 29.9 44.9

