

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
 Data File : VV015377.D
 Acq On : 02 Apr 2020 16:25
 Operator : SY/MD
 Sample : L2003-01DL 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 03 01:34:16 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	714670	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	686882	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	317507	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	214750	33.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.02%
7) Chloroethane-d5	1.58	69	199606	36.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.92%
11) 1,1-Dichloroethene-d2	2.12	63	337384	29.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.92%#
21) 2-Butanone-d5	3.94	46	284487	83.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.53%
24) Chloroform-d	4.38	84	419380	39.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.28%
26) 1,2-Dichloroethane-d4	5.06	65	280681	42.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.18%
32) Benzene-d6	5.08	84	875057	41.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.74%
36) 1,2-Dichloropropane-d6	6.09	67	262008	42.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.02%
41) Toluene-d8	7.34	98	843343	41.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.38%
43) trans-1,3-Dichloropropene-	7.64	79	133871	38.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.70%
47) 2-Hexanone-d5	8.12	63	234909	82.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.47%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	385157	43.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	320493	44.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.74%

Target Compounds

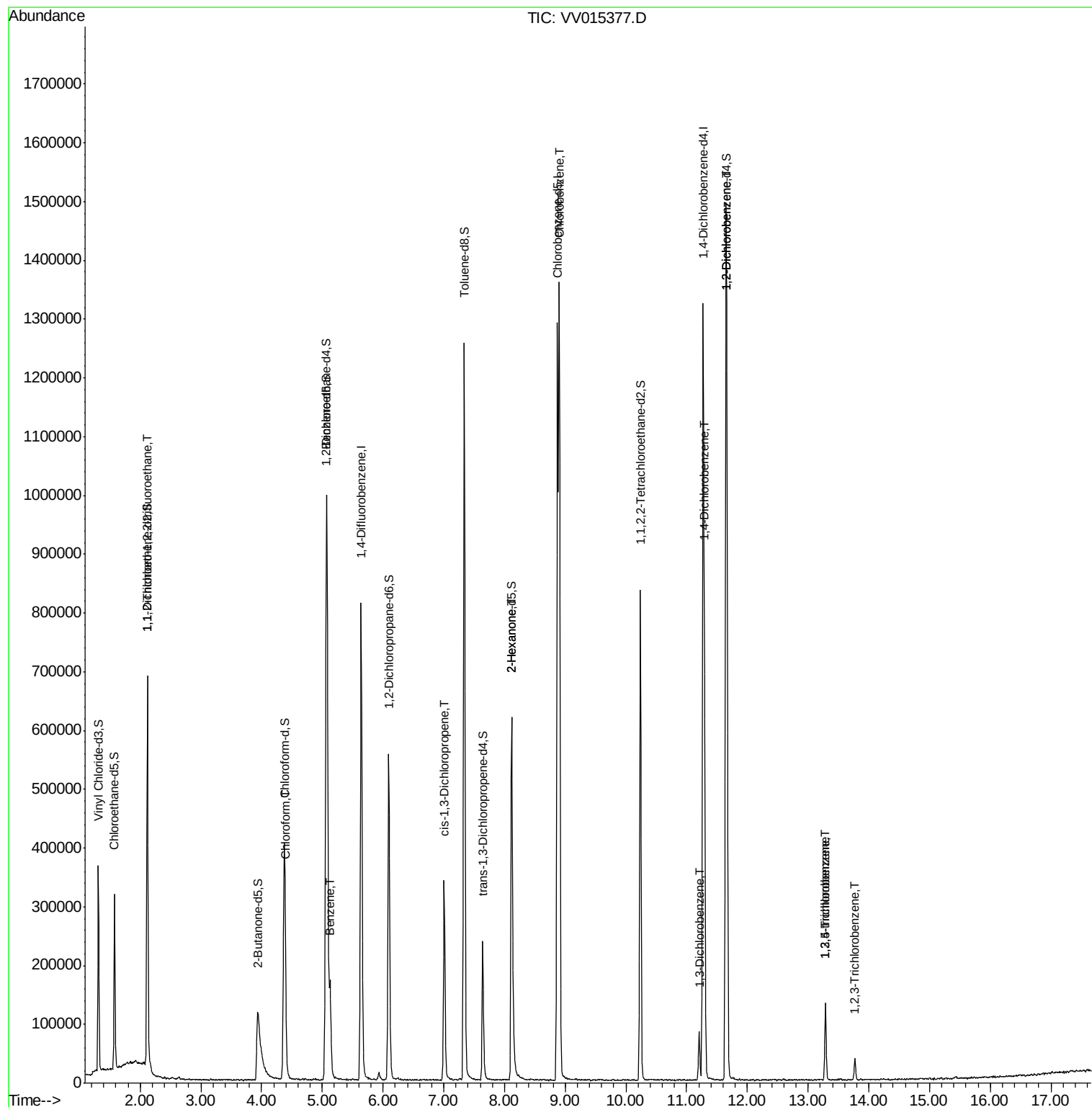
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3551	0.659	ug/L #	23
25) Chloroform	4.40	83	14398	1.494	ug/L	92
33) Benzene	5.13	78	169843	8.354	ug/L	100
39) cis-1,3-Dichloropropene	7.00	75	9191	1.096	ug/L	87
48) 2-Hexanone	8.12	43	29478	5.550	ug/L #	44
51) Chlorobenzene	8.90	112	724878	48.950	ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	31992	2.993	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	240210	22.158	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	320819	29.427	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	36573	5.163	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	36573	5.652	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	10792	1.619	ug/L	97

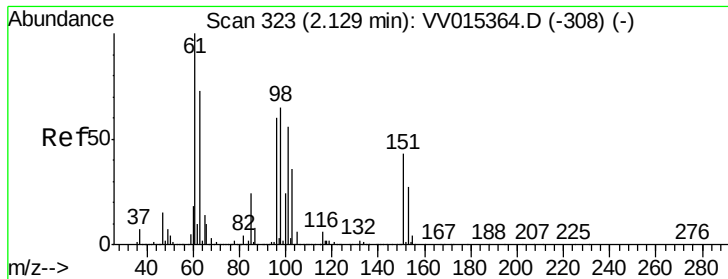
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

Quant Time: Apr 03 01:34:16 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





#10

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

Concen: 0.659 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015377.D

Acq: 02 Apr 2020 16:25

Instrument :

MSVOA_V

ClientSampleId :

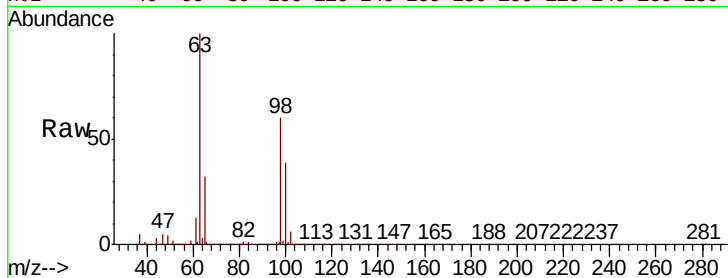
Tot Ion:101 Resp: 3551

Ion Ratio Lower Upper

101 100

85 5.2 36.1 54.1#

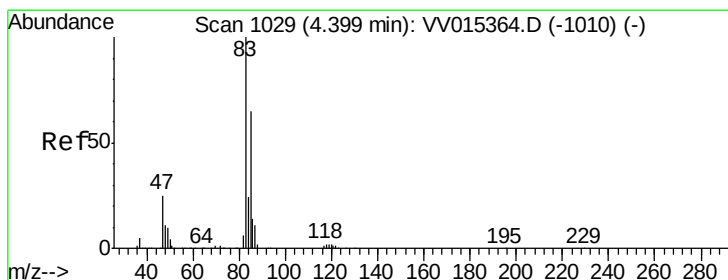
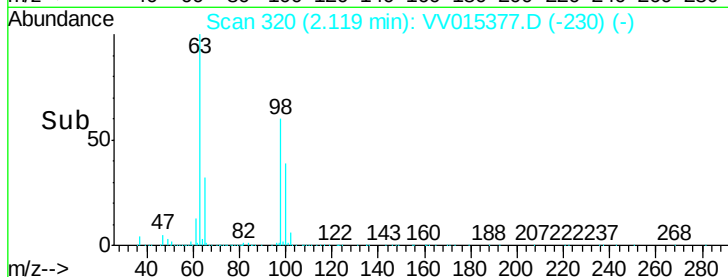
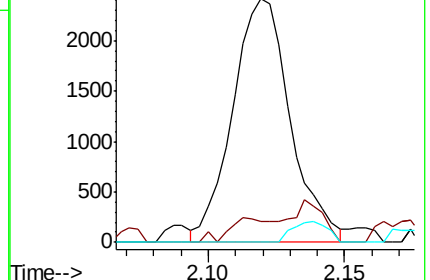
151 0.0 58.2 87.4#



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: 1.494 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VV015377.D

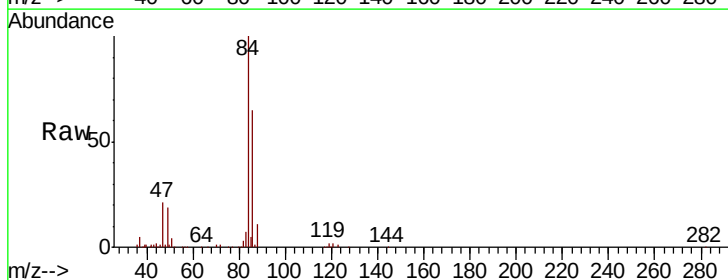
Acq: 02 Apr 2020 16:25

Tgt Ion: 83 Resp: 14398

Ion Ratio Lower Upper

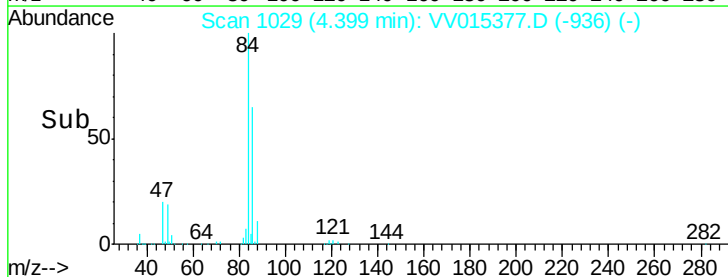
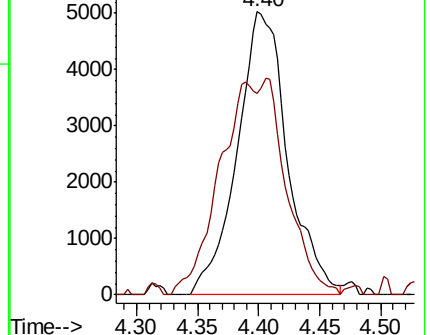
83 100

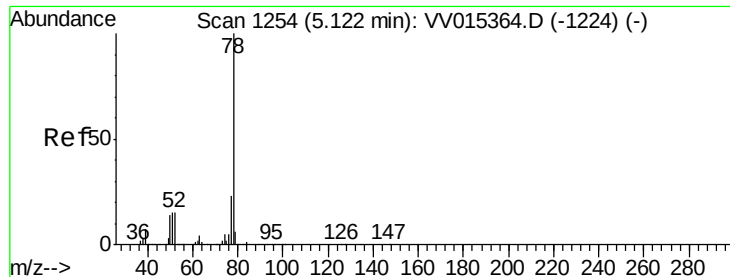
85 71.1 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 8.354 ug/L

RT: 5.13 min Scan# 1255

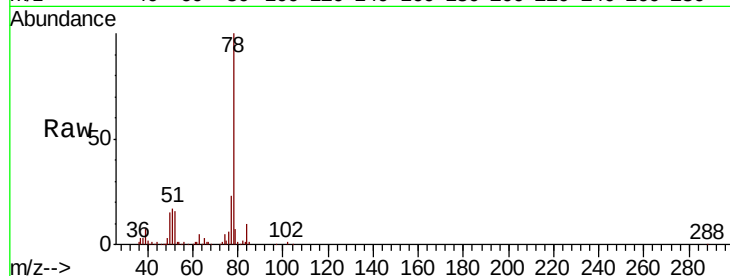
Delta R.T. 0.00 min

Lab File: VV015377.D

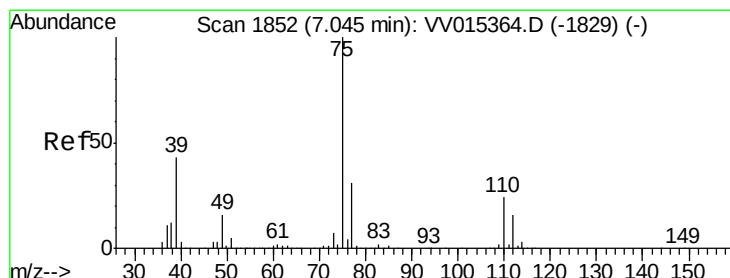
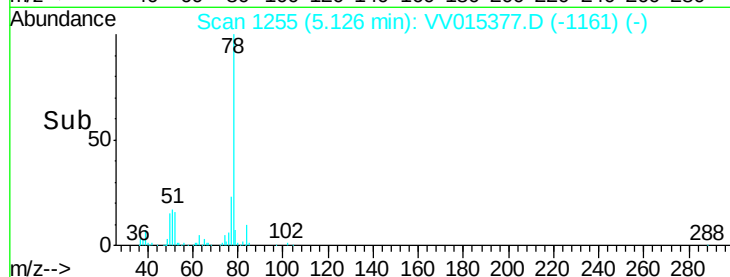
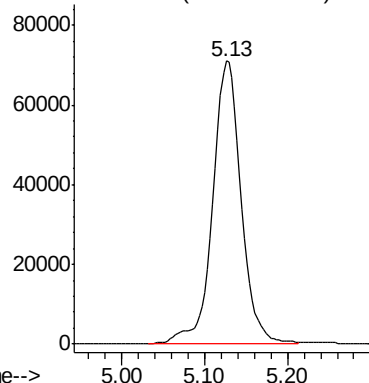
Acq: 02 Apr 2020 16:25

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 169843



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.096 ug/L

RT: 7.00 min Scan# 1839

Delta R.T. -0.04 min

Lab File: VV015377.D

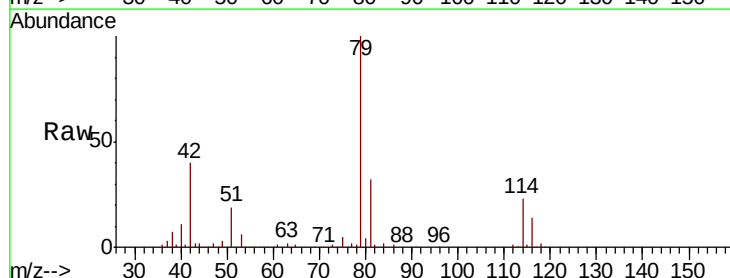
Acq: 02 Apr 2020 16:25

Tgt Ion: 75 Resp: 9191

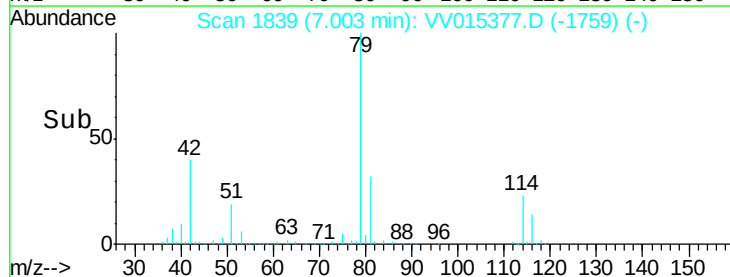
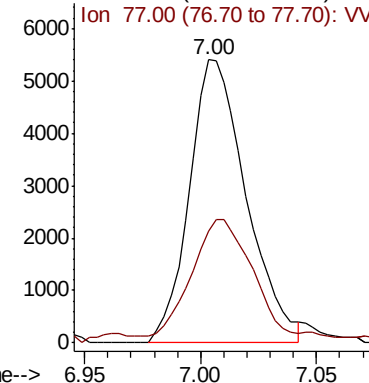
Ion	Ratio	Lower	Upper
75	100		
77	39.6	22.5	41.9

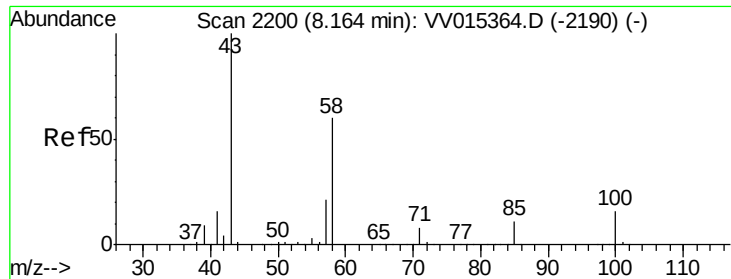
75 100

77 39.6 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

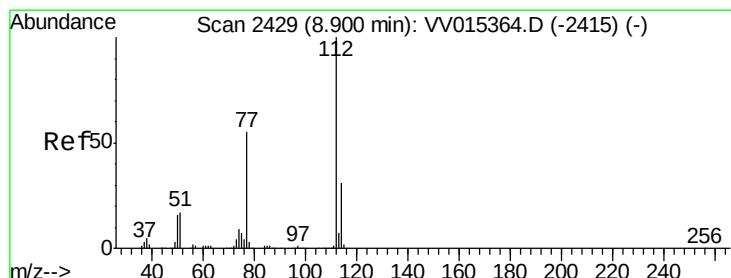
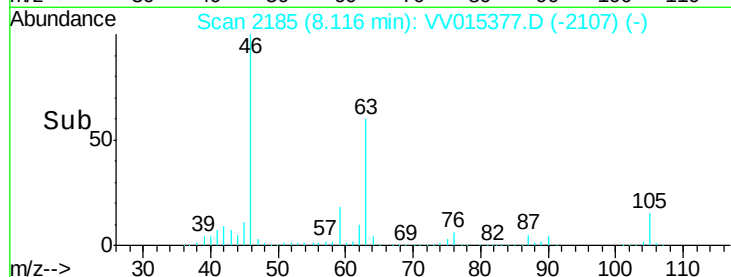
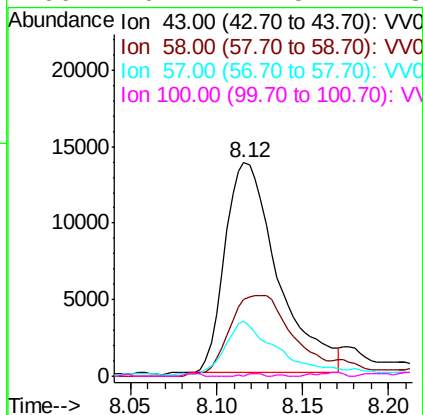
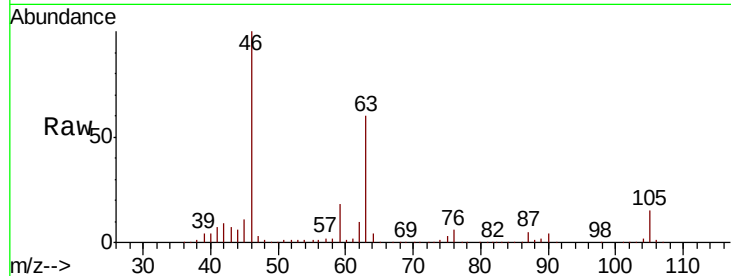




#48
2-Hexanone
Concen: 5.550 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015377.D
Acq: 02 Apr 2020 16:25

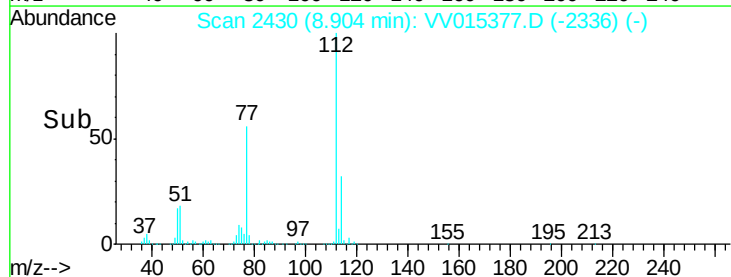
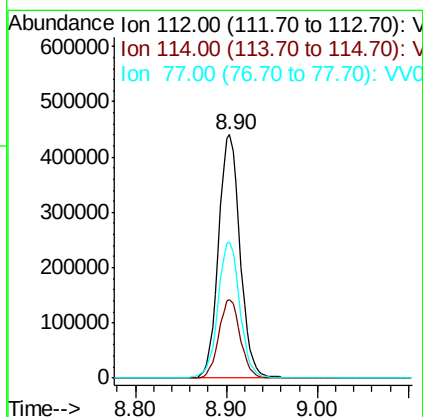
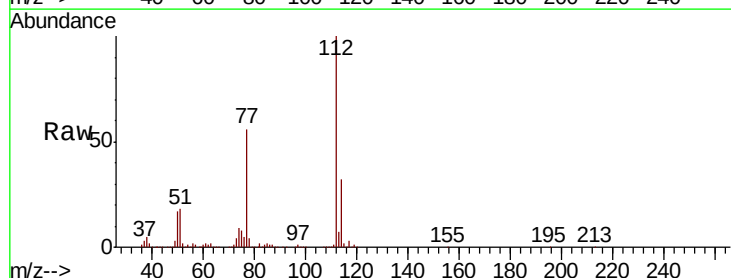
Instrument :
MSVOA_V
ClientSampleId :

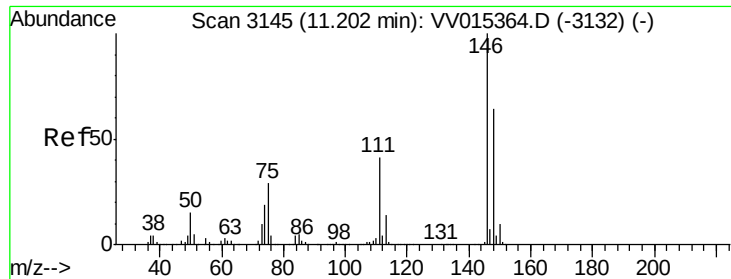
Tot Ion: 43 Resp: 29478
Ion Ratio Lower Upper
43 100
58 0.0 47.4 71.2#
57 24.3 16.7 25.1
100 0.1 11.5 17.3#



#51
Chlorobenzene
Concen: 48.950 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015377.D
Acq: 02 Apr 2020 16:25

Tgt Ion: 112 Resp: 724878
Ion Ratio Lower Upper
112 100
114 32.5 21.8 40.4
77 55.8 46.2 69.2

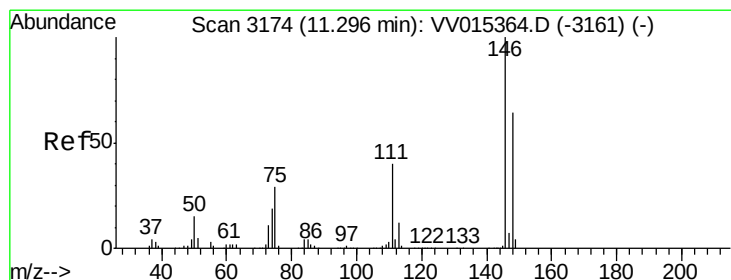
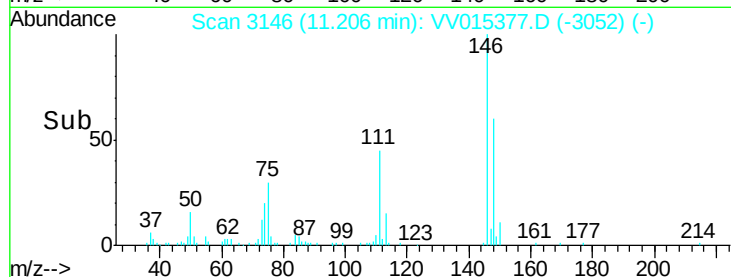
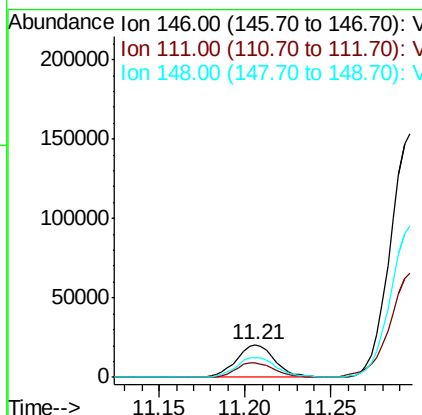
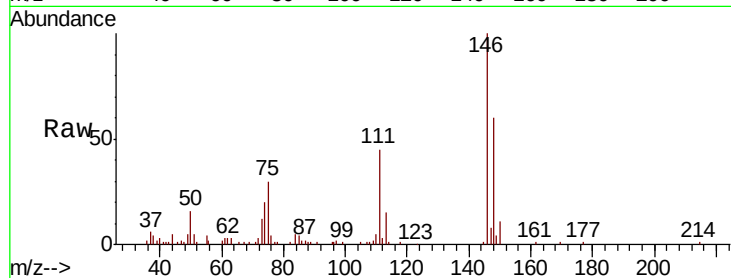




#62
 1,3-Dichlorobenzene
 Concen: 2.993 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015377.D
 Acq: 02 Apr 2020 16:25

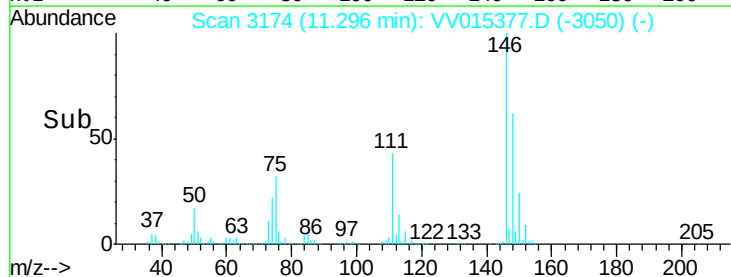
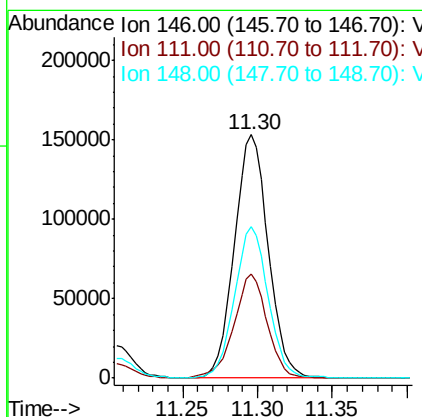
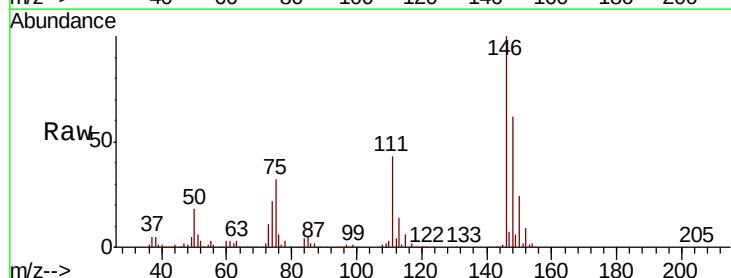
Instrument :
 MSVOA_V
 ClientSampleId :

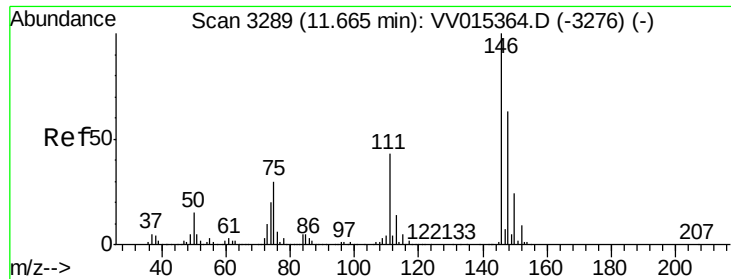
Tot Ion:146 Resp: 31992
 Ion Ratio Lower Upper
 146 100
 111 44.8 30.2 56.2
 148 59.8 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 22.158 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015377.D
 Acq: 02 Apr 2020 16:25

Tgt Ion:146 Resp: 240210
 Ion Ratio Lower Upper
 146 100
 111 43.0 29.3 54.5
 148 62.1 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 29.427 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015377.D

Acq: 02 Apr 2020 16:25

Instrument :

MSVOA_V

ClientSampled :

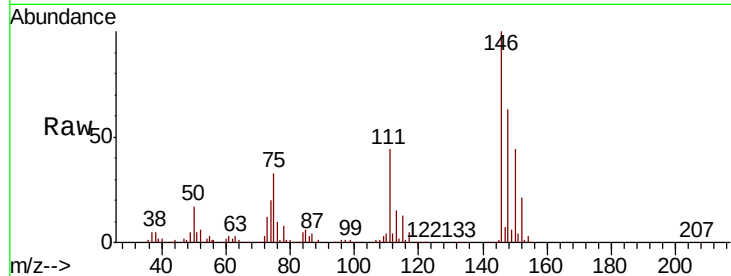
Tot Ion:146 Resp: 320819

Ion Ratio Lower Upper

146 100

111 44.2 35.1 52.7

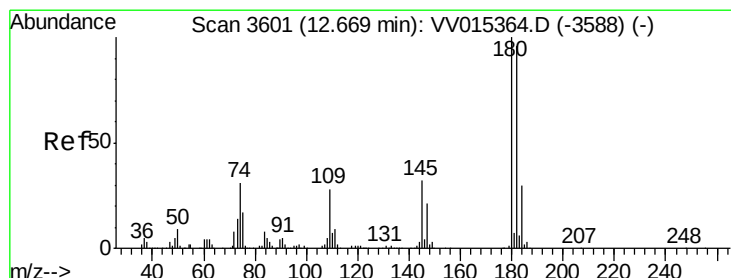
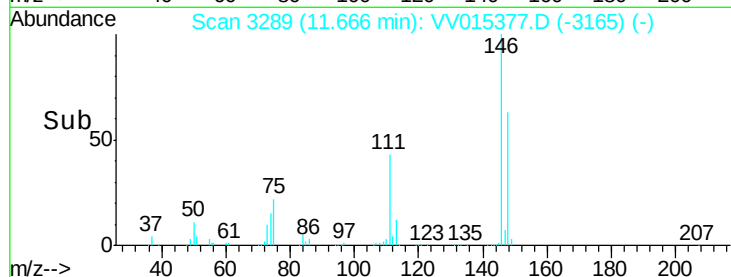
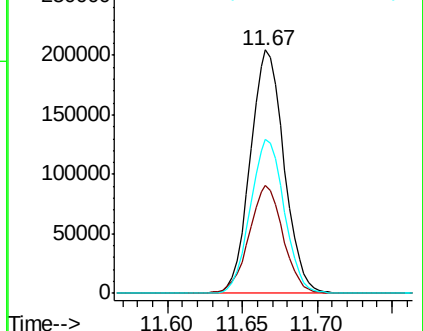
148 63.0 51.0 76.4



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: 5.163 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV015377.D

Acq: 02 Apr 2020 16:25

Tgt Ion:180 Resp: 36573

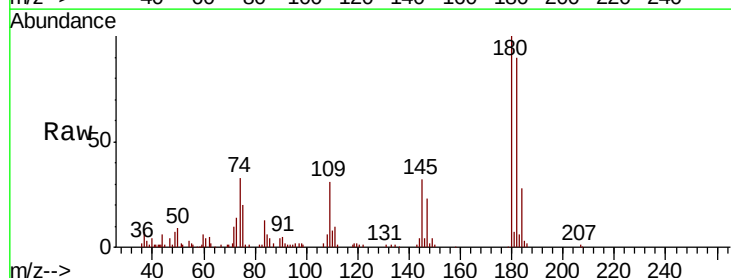
Ion Ratio Lower Upper

180 100

182 91.8 74.7 112.1

184 28.6 23.7 35.5

145 31.9 26.8 40.2

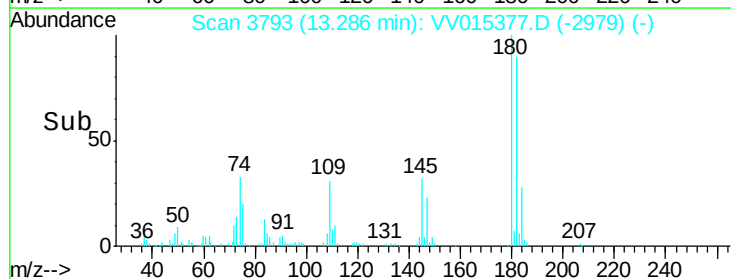
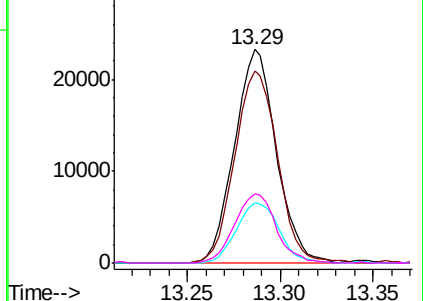


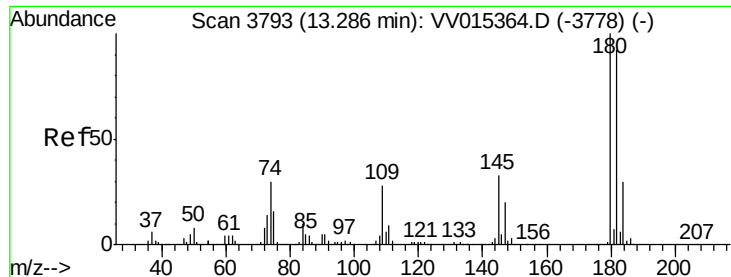
Abundance Ion 180.00 (179.70 to 180.70): V

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

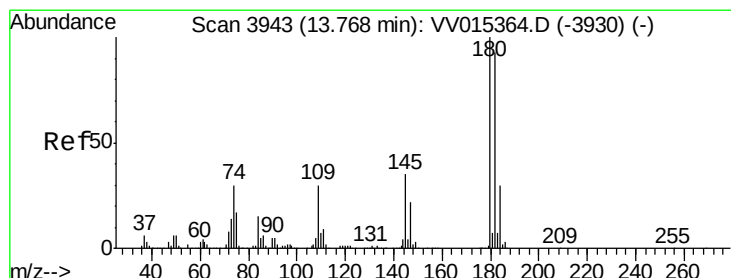
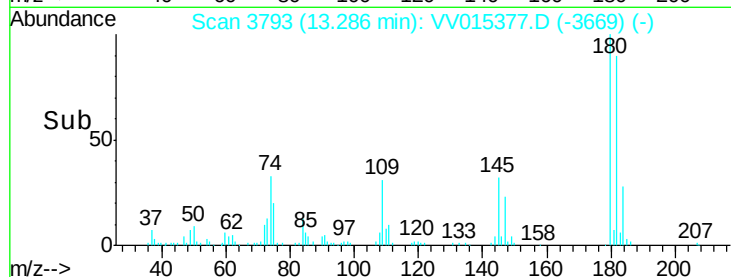
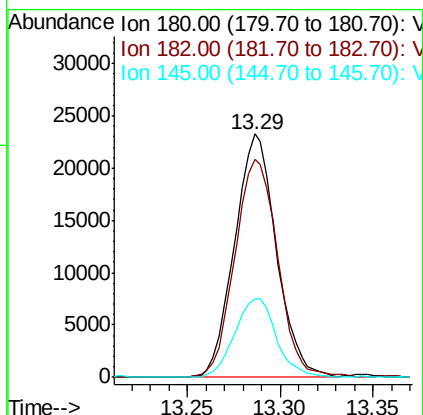
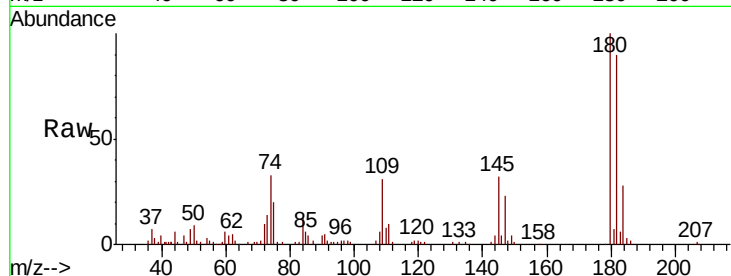




#68
 1,2,4-trichlorobenzene
 Concen: 5.652 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015377.D
 Acq: 02 Apr 2020 16:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 36573
 Ion Ratio Lower Upper
 180 100
 182 91.8 75.8 113.8
 145 31.9 27.7 41.5



#70
 1,2,3-Trichlorobenzene
 Concen: 1.619 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015377.D
 Acq: 02 Apr 2020 16:25

Tgt Ion:180 Resp: 10792
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.1 114.1
 145 32.8 28.2 42.4

