

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015229.D
 Acq On : 28 Mar 2020 06:46
 Operator : SY/MD
 Sample : L2003-05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 08:02:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 05:21:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	636091	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	608143	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	254174	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	140504	54.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.88%
7) Chloroethane-d5	1.58	69	136329	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.56%
11) 1,1-Dichloroethene-d2	2.12	63	224814	34.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.66%
21) 2-Butanone-d5	3.94	46	220358	72.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	72.08%
24) Chloroform-d	4.38	84	290944	43.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.44%
26) 1,2-Dichloroethane-d4	5.06	65	189972	43.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.60%
32) Benzene-d6	5.08	84	532355	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
36) 1,2-Dichloropropane-d6	6.10	67	179171	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.34%
41) Toluene-d8	7.34	98	489125	51.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.68%
43) trans-1,3-Dichloropropene-	7.64	79	86587	40.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.80%
47) 2-Hexanone-d5	8.12	63	173243	74.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.84%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	260439	36.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	73.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	182033	41.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.96%

Target Compounds

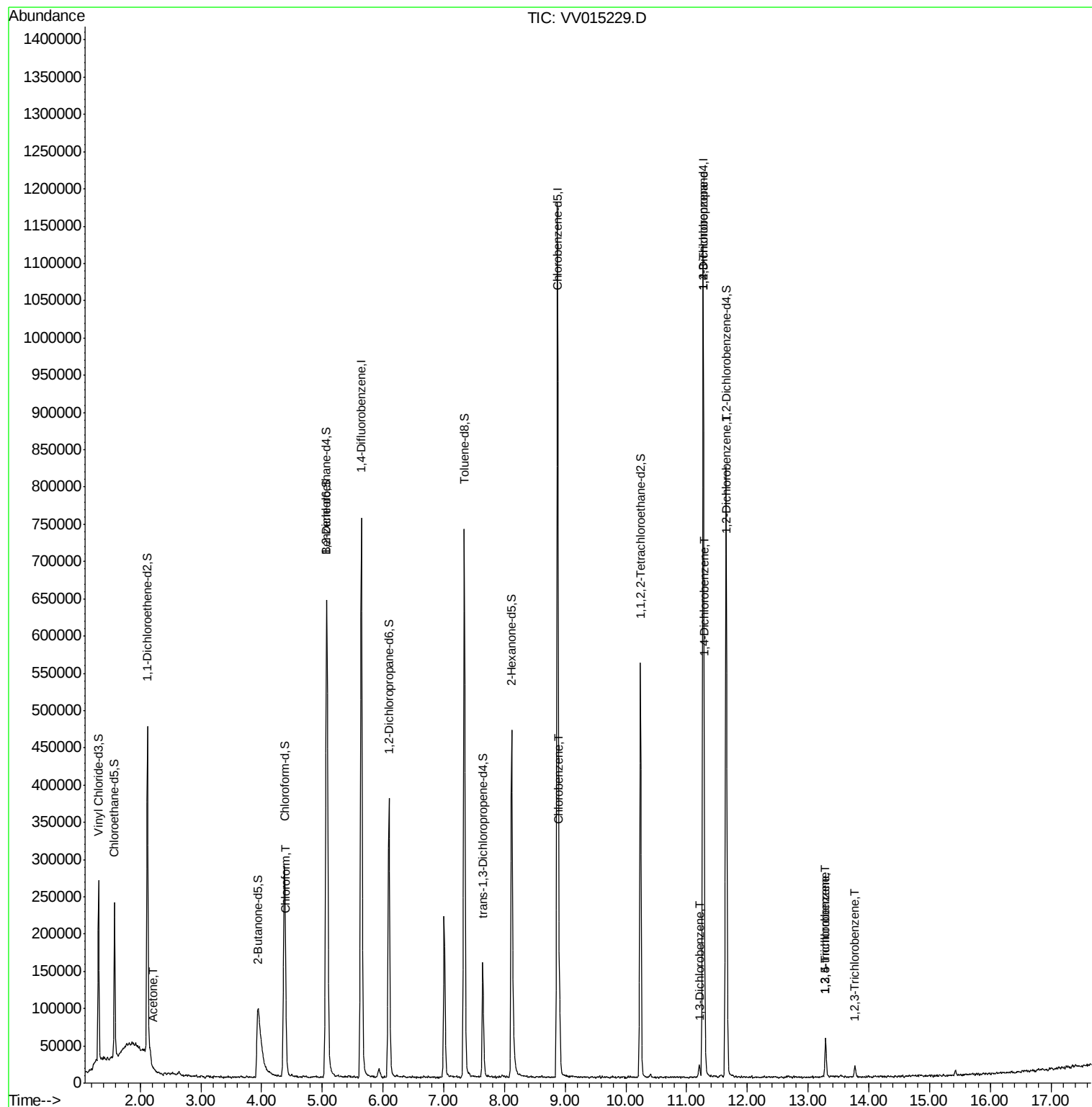
					Ovalue
13) Acetone	2.22	43	1896	1.062 ug/L	# 100
25) Chloroform	4.41	83	7934	0.972 ug/L	92
51) Chlorobenzene	8.90	112	52850	4.307 ug/L	97
59) 1,2,3-Trichloropropane	11.27	75	52143	9.007 ug/L	90
62) 1,3-Dichlorobenzene	11.21	146	6424	0.812 ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	46560	5.855 ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	35368	4.360 ug/L	98
67) 1,3,5-Trichlorobenzene	13.29	180	13194	2.627 ug/L	93
68) 1,2,4-trichlorobenzene	13.29	180	13194	2.824 ug/L	93
70) 1,2,3-Trichlorobenzene	13.77	180	3195	0.667 ug/L	86

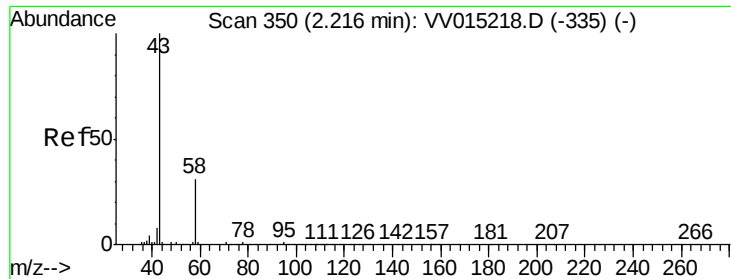
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 28 05:21:13 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.062 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV015229.D

Acq: 28 Mar 2020 06:46

Instrument :

MSVOA_V

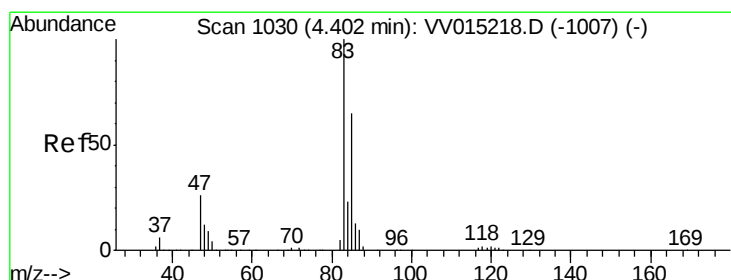
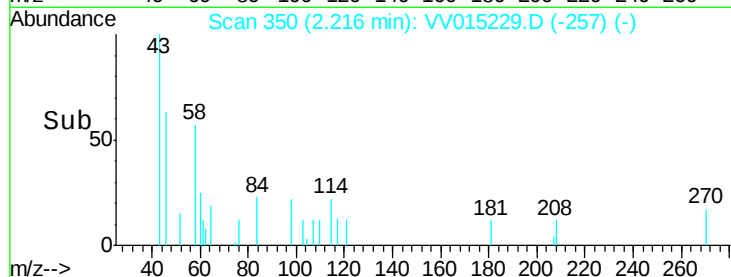
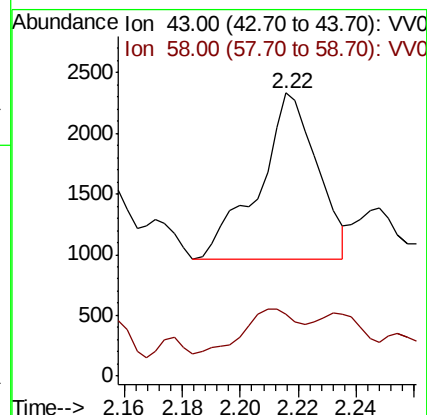
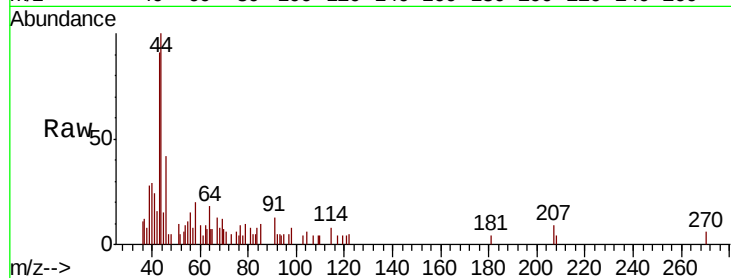
ClientSampleId :

Tot Ion: 43 Resp: 1896

Ion Ratio Lower Upper

43 100

58 24.6 0.0 0.0#



#25

Chloroform

Concen: 0.972 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015229.D

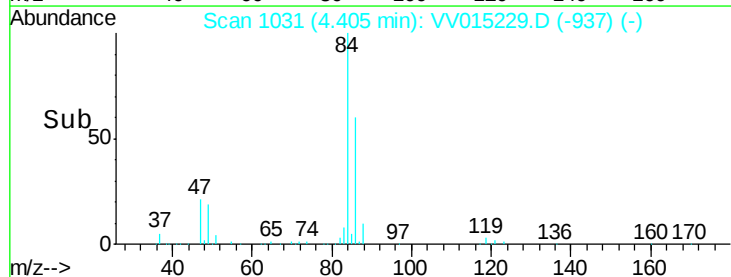
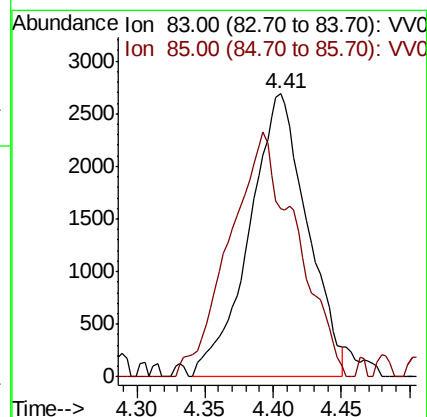
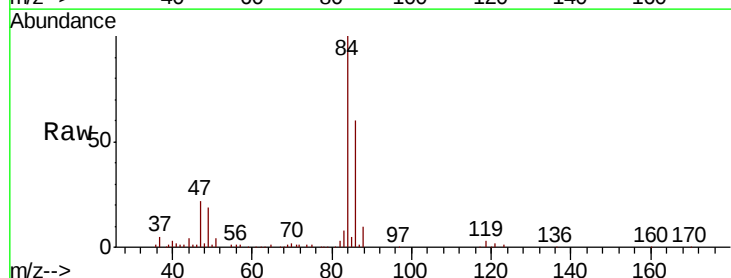
Acq: 28 Mar 2020 06:46

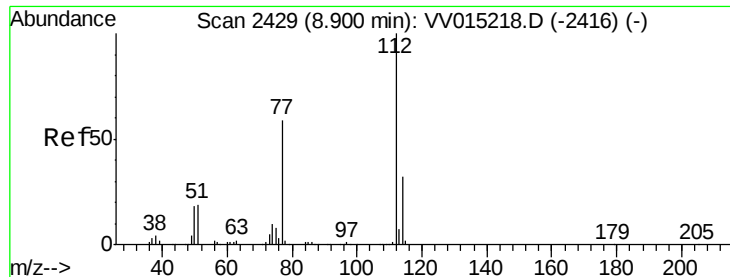
Tgt Ion: 83 Resp: 7934

Ion Ratio Lower Upper

83 100

85 59.2 46.2 85.8





#51

Chlorobenzene

Concen: 4.307 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015229.D

Acq: 28 Mar 2020 06:46

Instrument :
MSVOA_V
ClientSampleId :

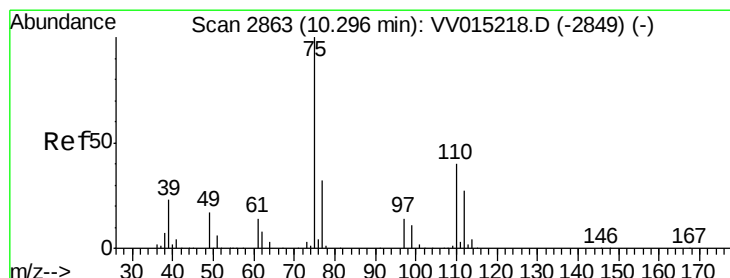
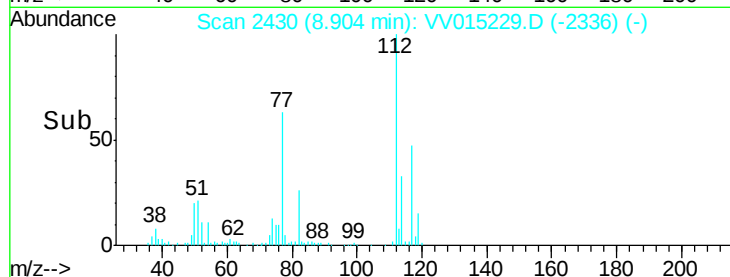
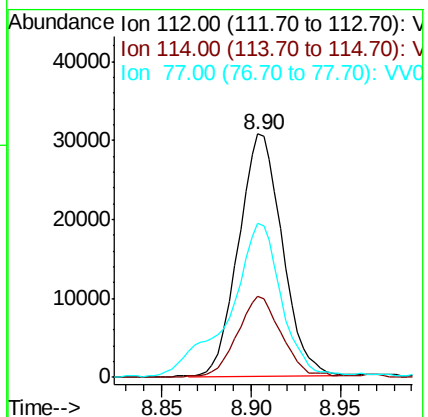
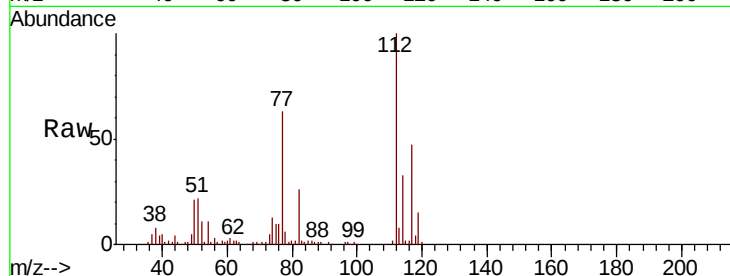
Tot Ion:112 Resp: 52850

Ion Ratio Lower Upper

112 100

114 33.3 22.3 41.5

77 63.2 48.2 72.2



#59

1,2,3-Trichloropropane

Concen: 9.007 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV015229.D

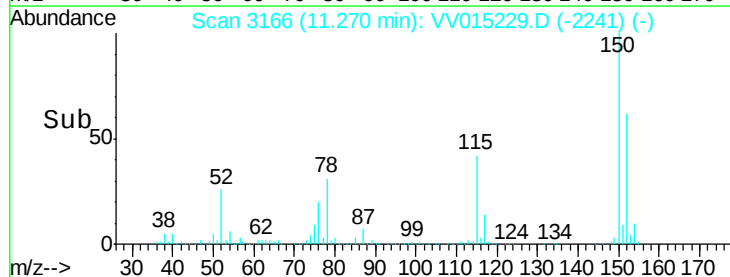
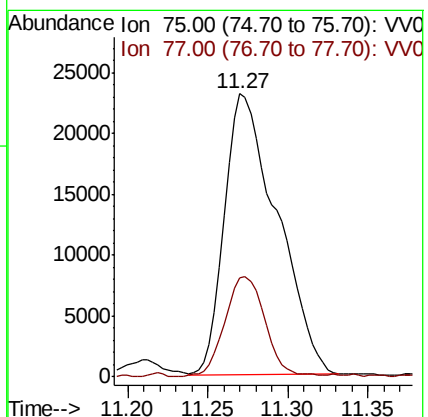
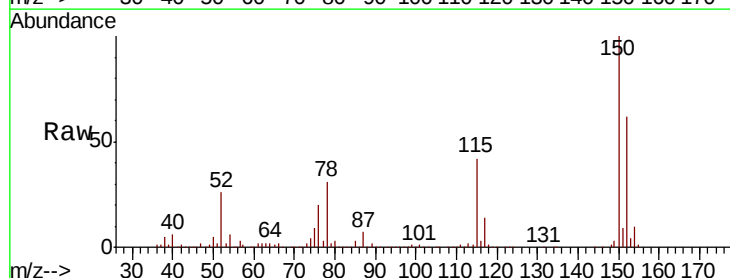
Acq: 28 Mar 2020 06:46

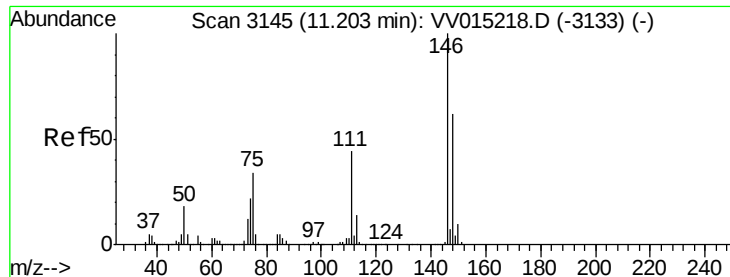
Tgt Ion: 75 Resp: 52143

Ion Ratio Lower Upper

75 100

77 26.9 26.0 39.0





#62

1,3-Dichlorobenzene

Concen: 0.812 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV015229.D

Acq: 28 Mar 2020 06:46

Instrument :

MSVOA_V

ClientSampleId :

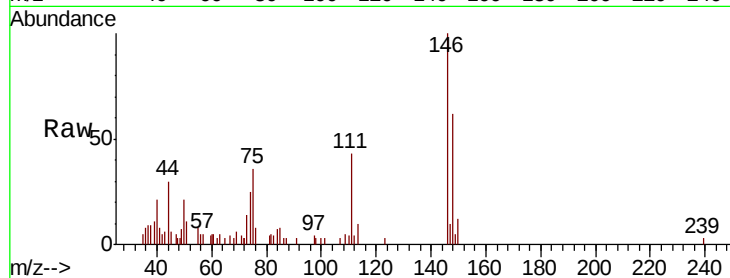
Tot Ion:146 Resp: 6424

Ion Ratio Lower Upper

146 100

111 42.6 32.1 59.7

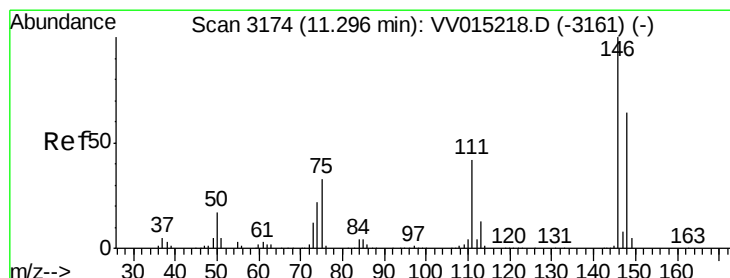
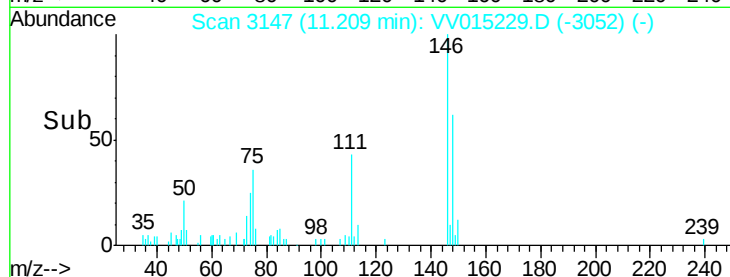
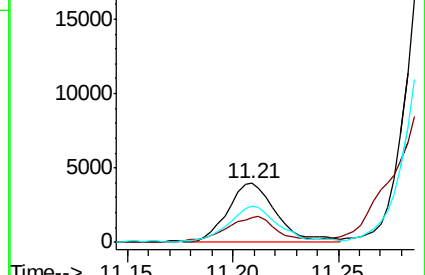
148 67.2 44.0 81.6



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: 5.855 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015229.D

Acq: 28 Mar 2020 06:46

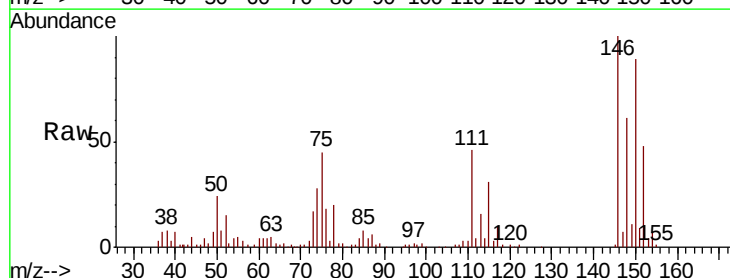
Tgt Ion:146 Resp: 46560

Ion Ratio Lower Upper

146 100

111 46.3 29.4 54.6

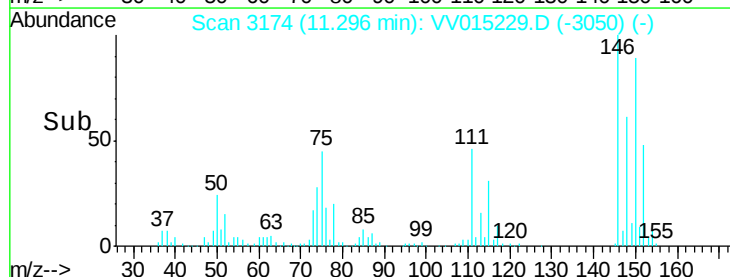
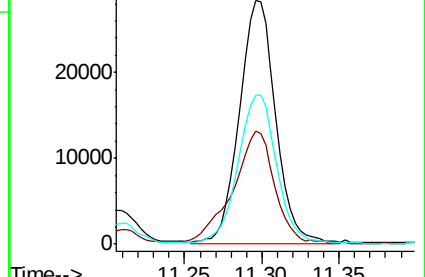
148 61.4 43.6 81.0

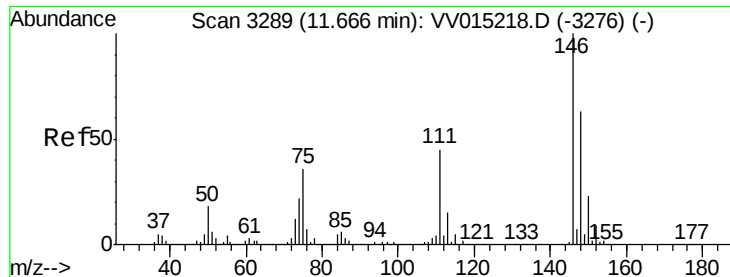


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.360 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015229.D

Acq: 28 Mar 2020 06:46

Instrument :

MSVOA_V

ClientSampled :

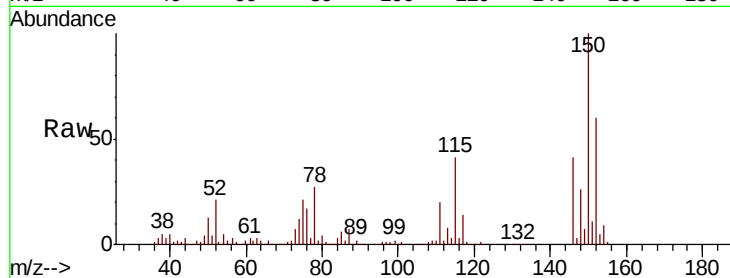
Tot Ion:146 Resp: 35368

Ion Ratio Lower Upper

146 100

111 49.0 37.6 56.4

148 62.0 50.6 76.0

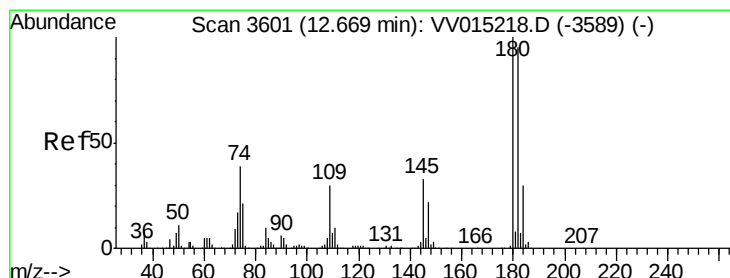
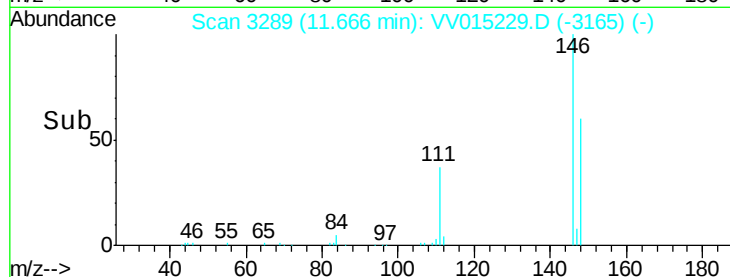
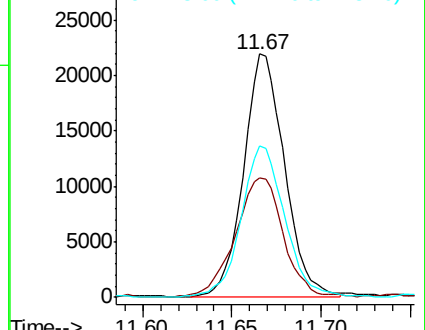


Abundance

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: 2.627 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV015229.D

Acq: 28 Mar 2020 06:46

Tgt Ion:180 Resp: 13194

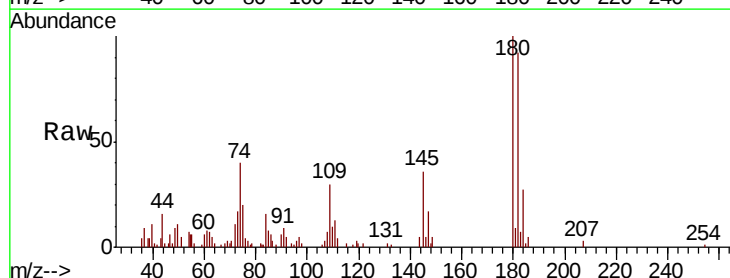
Ion Ratio Lower Upper

180 100

182 102.9 75.4 113.0

184 31.7 23.8 35.8

145 34.9 26.9 40.3



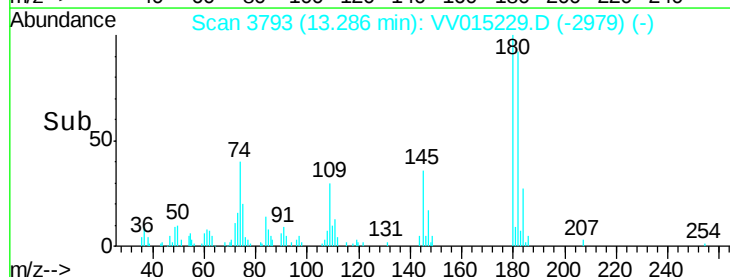
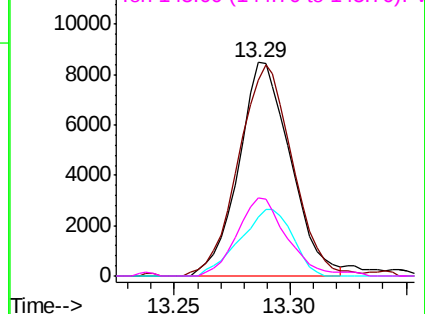
Abundance

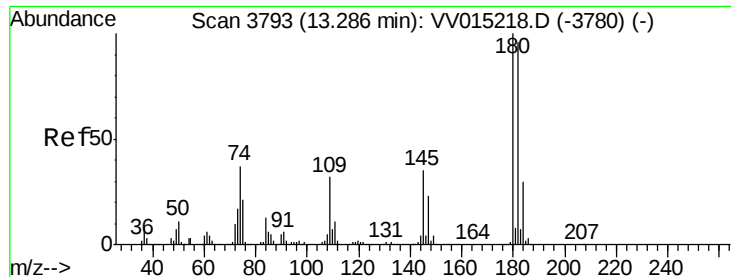
Ion 180.00 (179.70 to 180.70): V

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: 2.824 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. -0.00 min

Lab File: VV015229.D

Acq: 28 Mar 2020 06:46

Instrument :

MSVOA_V

ClientSampled :

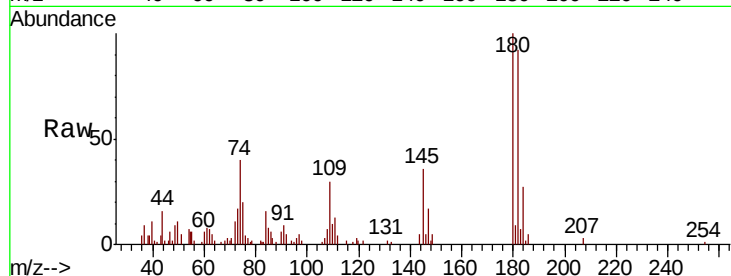
Tot Ion:180 Resp: 13194

Ion Ratio Lower Upper

180 100

182 102.9 75.5 113.3

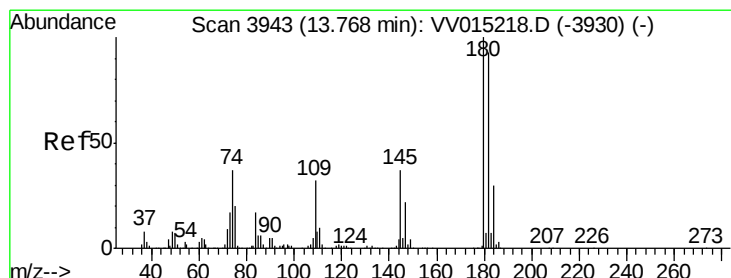
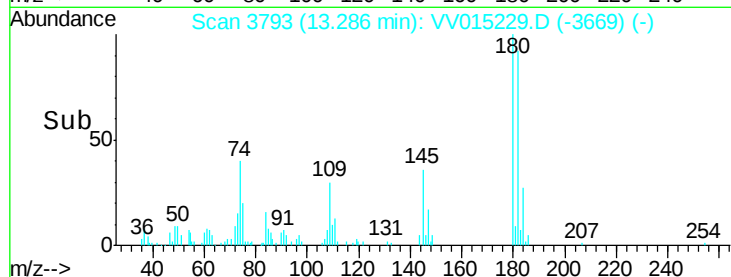
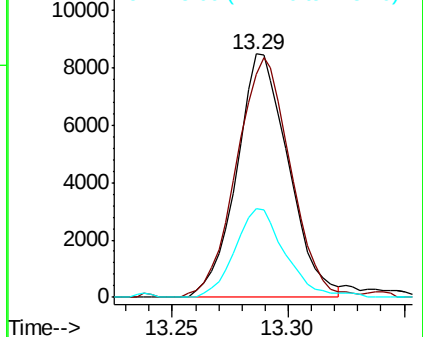
145 34.9 28.5 42.7



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: 0.667 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015229.D

Acq: 28 Mar 2020 06:46

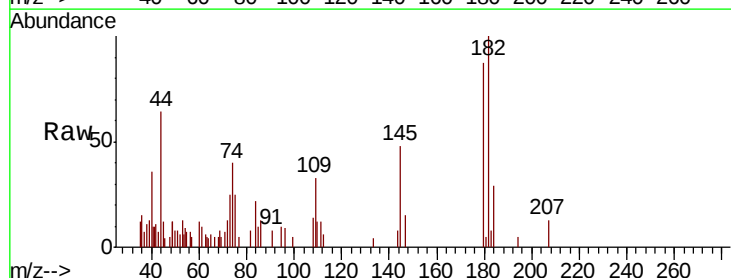
Tgt Ion:180 Resp: 3195

Ion Ratio Lower Upper

180 100

182 112.1 75.9 113.9

145 34.2 29.0 43.6



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

