

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015156.D
 Acq On : 26 Mar 2020 00:09
 Operator : SY/MD
 Sample : L1968-12 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CODE3

Quant Time: Mar 26 05:09:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 26 02:00:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	601751	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	575432	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	260083	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	212179	42.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.34%
7) Chloroethane-d5	1.58	69	203978	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.50%
11) 1,1-Dichloroethene-d2	2.12	63	345370	34.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.68%
21) 2-Butanone-d5	3.94	46	299609	90.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.75%
24) Chloroform-d	4.38	84	372338	44.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.22%
26) 1,2-Dichloroethane-d4	5.06	65	251723	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
32) Benzene-d6	5.07	84	756083	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
36) 1,2-Dichloropropane-d6	6.09	67	245537	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.26%
41) Toluene-d8	7.34	98	725443	45.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.50%
43) trans-1,3-Dichloropropene-	7.64	79	111447	38.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.28%
47) 2-Hexanone-d5	8.12	63	240377	91.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.15%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	348361	44.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	254770	43.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

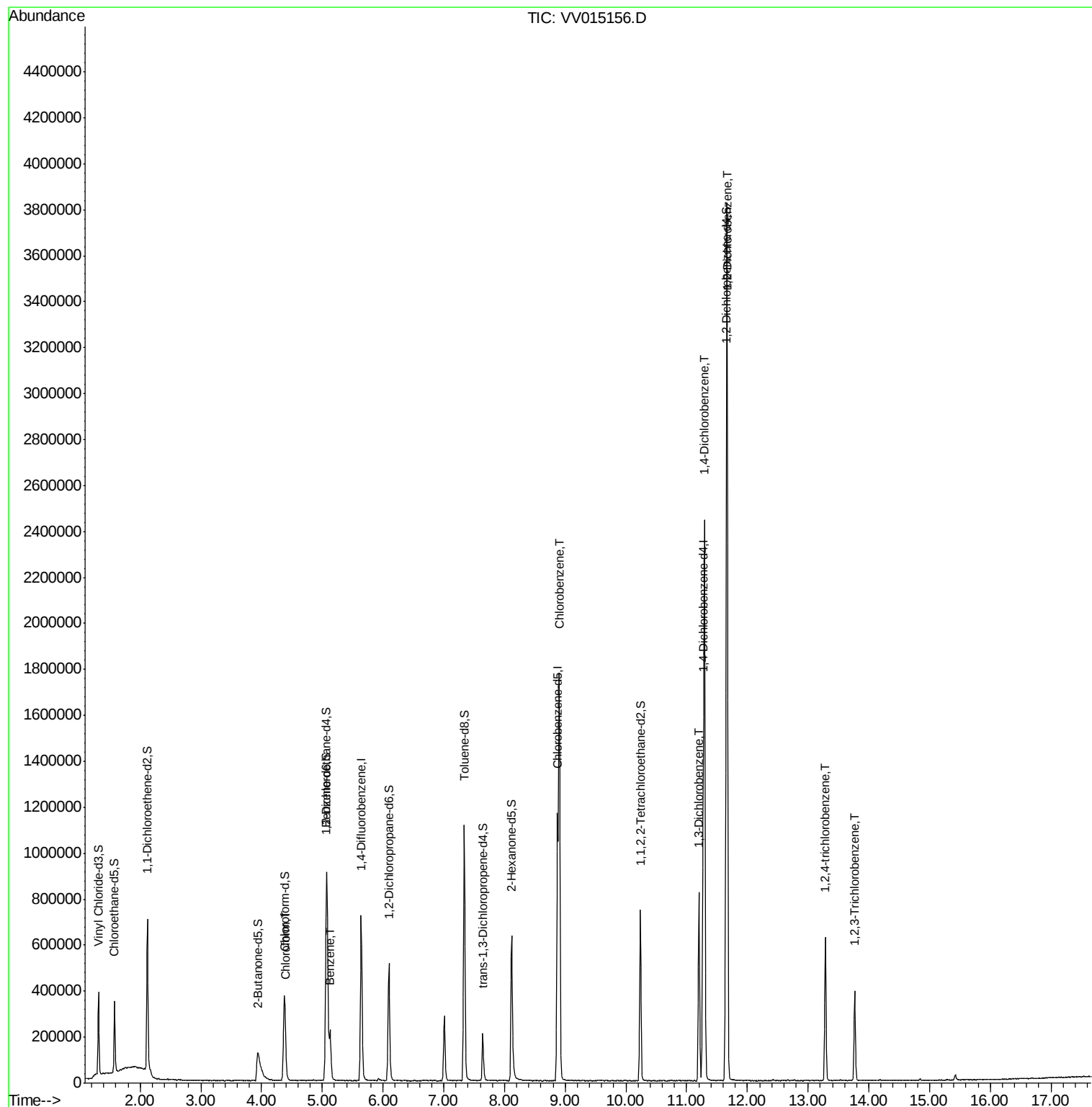
					Ovalue
25) Chloroform	4.40	83	13189	1.931 ug/L	97
33) Benzene	5.13	78	223745	15.110 ug/L	100
51) Chlorobenzene	8.90	112	891904	83.546 ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	298552	39.193 ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	847737	109.236 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1316244	171.263 ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	162971	33.719 ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	101737	21.182 ug/L	99

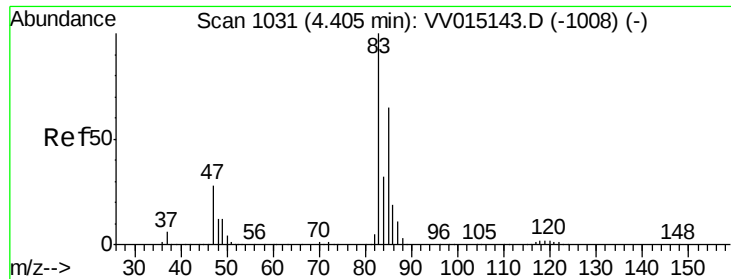
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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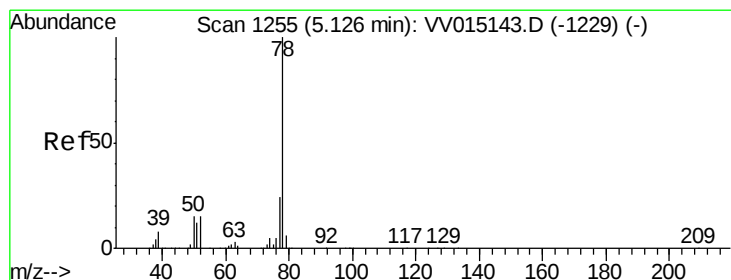
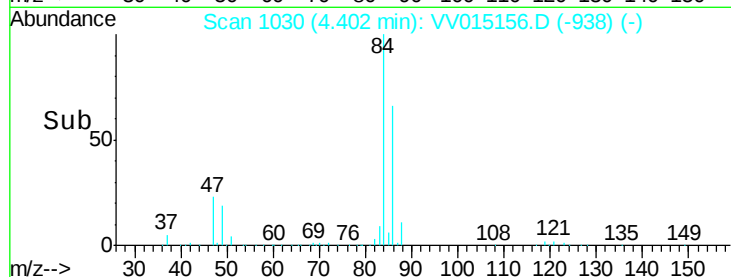
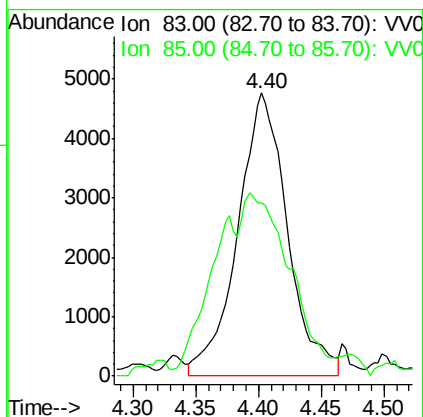
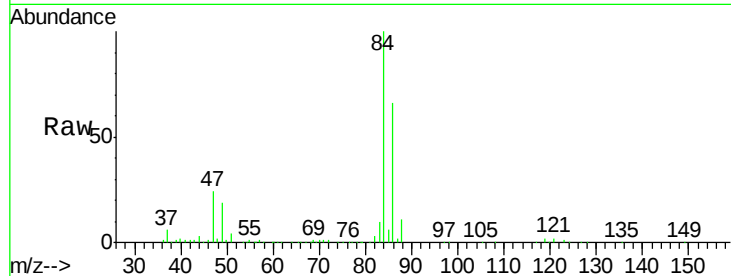




#25
Chloroform
Concen: 1.931 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015156.D
Acq: 26 Mar 2020 00:09

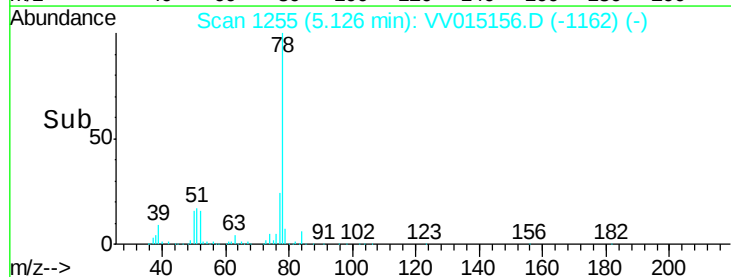
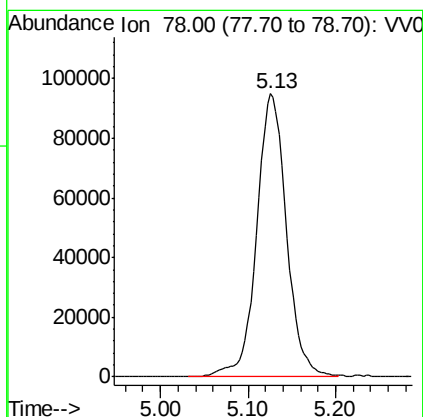
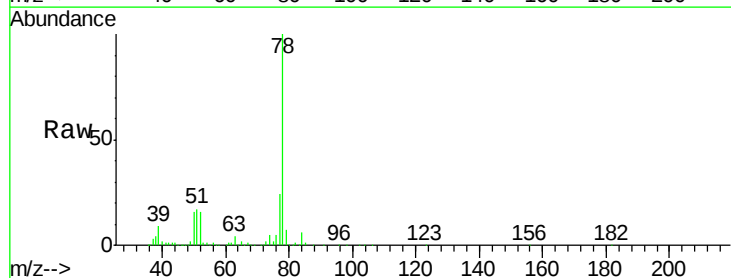
Instrument :
MSVOA_V
ClientSampled :
CODE3

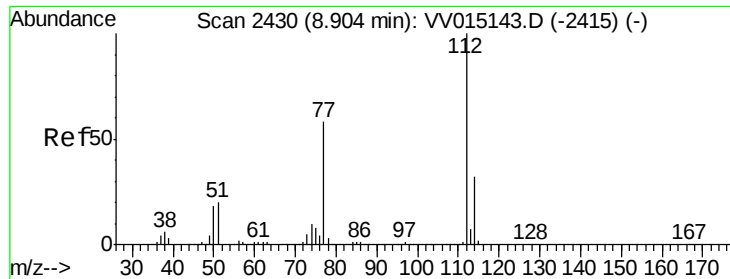
Tot Ion: 83 Resp: 13189
Ion Ratio Lower Upper
83 100
85 61.3 44.8 83.2



#33
Benzene
Concen: 15.110 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015156.D
Acq: 26 Mar 2020 00:09

Tgt Ion: 78 Resp: 223745





#51

Chlorobenzene

Concen: 83.546 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015156.D

Acq: 26 Mar 2020 00:09

Instrument :

MSVOA_V

ClientSampleId :

C0DE3

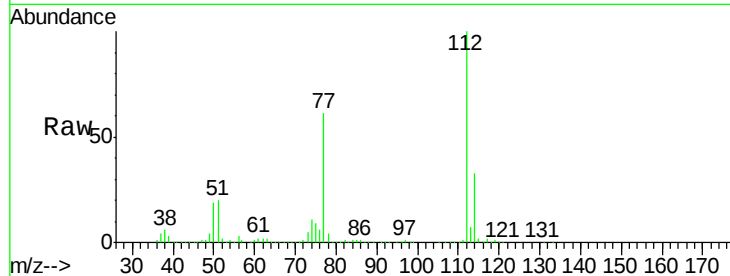
Tot Ion:112 Resp: 891904

Ion Ratio Lower Upper

112 100

114 32.7 22.0 40.8

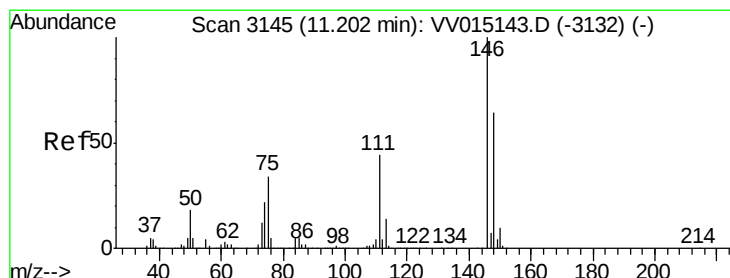
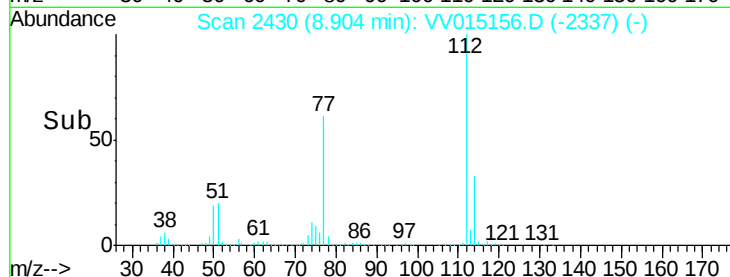
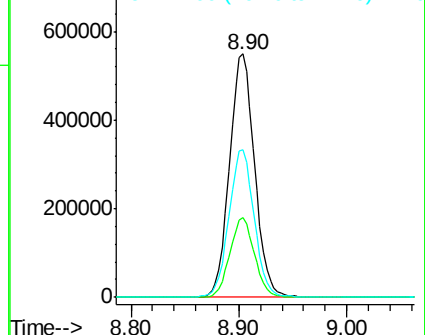
77 60.7 47.2 70.8



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): V



#62

1,3-Dichlorobenzene

Concen: 39.193 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015156.D

Acq: 26 Mar 2020 00:09

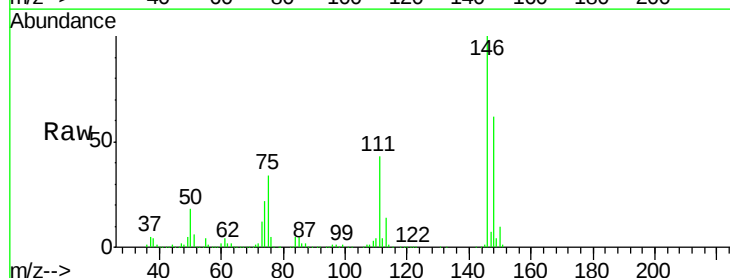
Tgt Ion:146 Resp: 298552

Ion Ratio Lower Upper

146 100

111 43.0 29.3 54.5

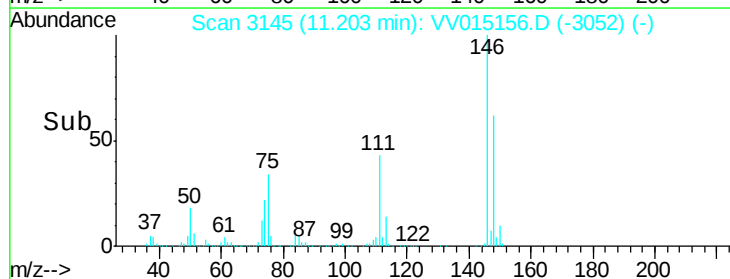
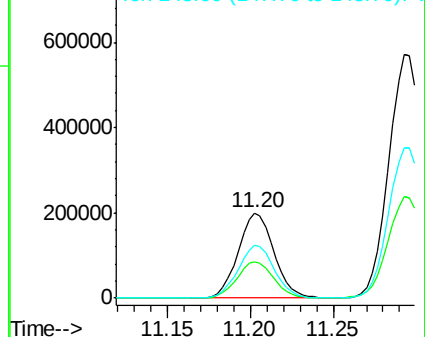
148 62.3 44.7 82.9

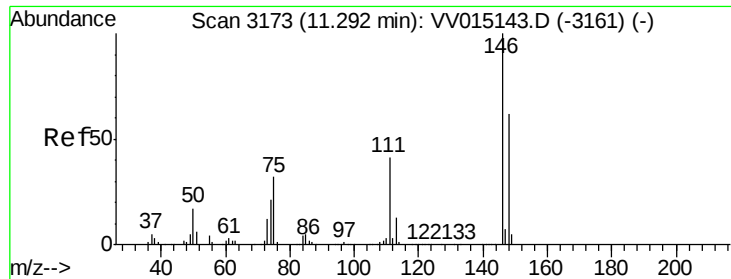


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 109.236 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV015156.D

Acq: 26 Mar 2020 00:09

Instrument :

MSVOA_V

ClientSampleId :

CODE3

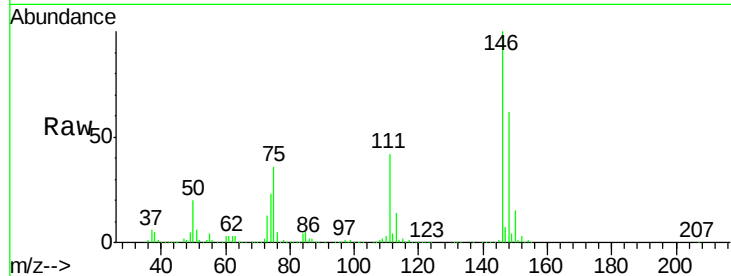
Tot Ion:146 Resp: 847737

Ion Ratio Lower Upper

146 100

111 41.6 28.4 52.8

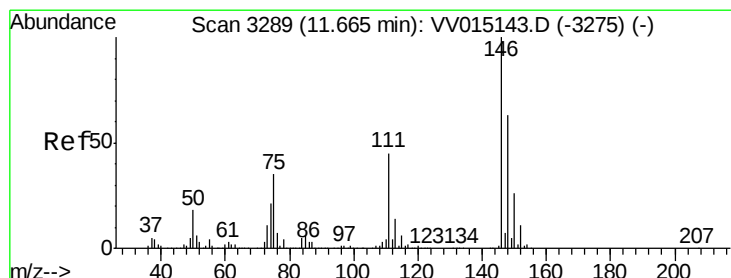
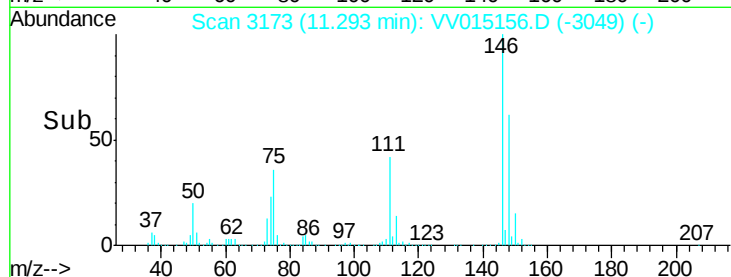
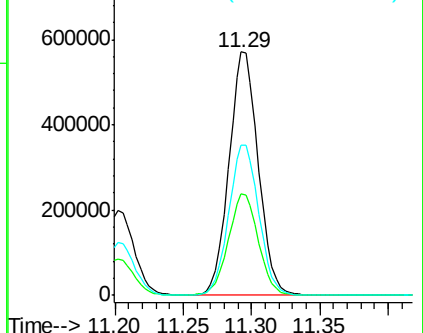
148 61.9 44.0 81.8



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



#65

1,2-Dichlorobenzene

Concen: 171.263 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015156.D

Acq: 26 Mar 2020 00:09

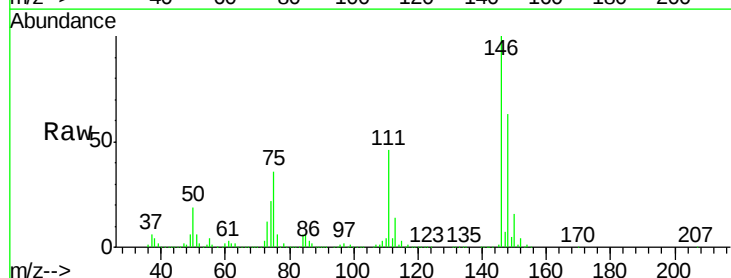
Tgt Ion:146 Resp: 1316244

Ion Ratio Lower Upper

146 100

111 46.4 35.4 53.2

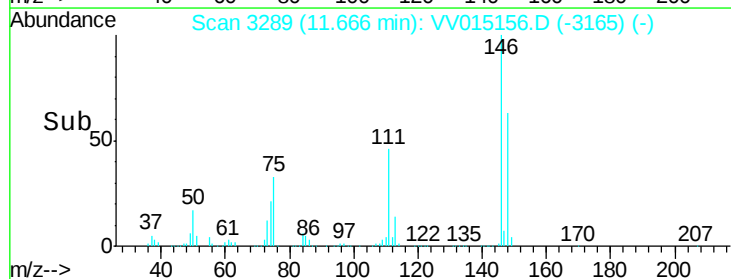
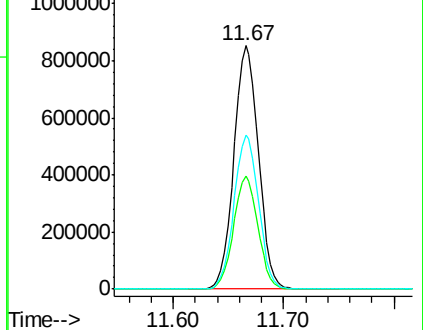
148 63.0 49.7 74.5

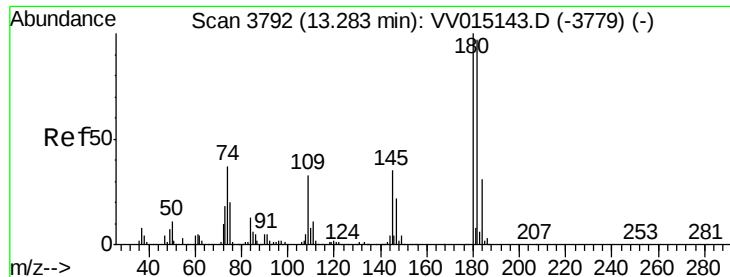


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

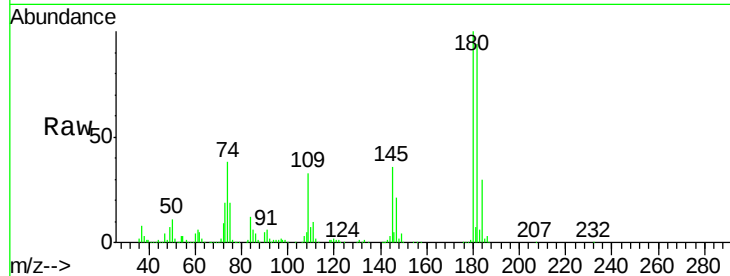




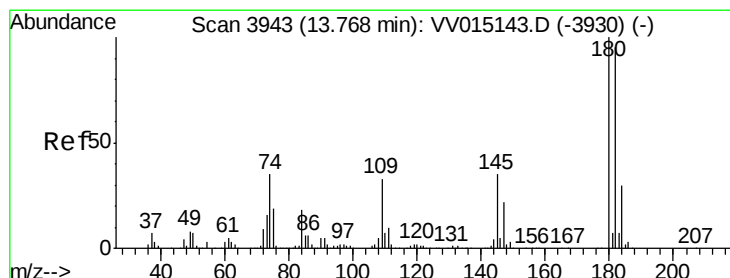
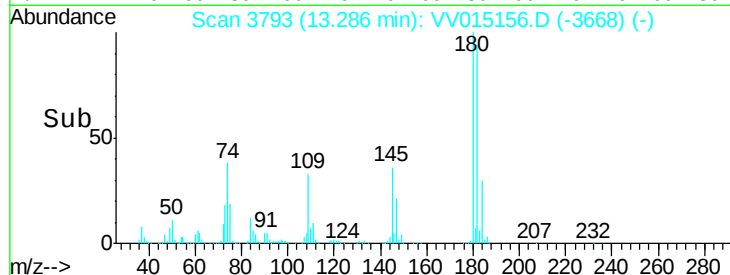
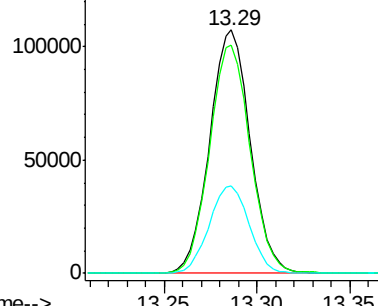
#68
 1,2,4-trichlorobenzene
 Concen: 33.719 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015156.D
 Acq: 26 Mar 2020 00:09

Instrument :
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Tot Ion:180 Resp: 162971
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.1 114.1
 145 35.5 26.6 40.0

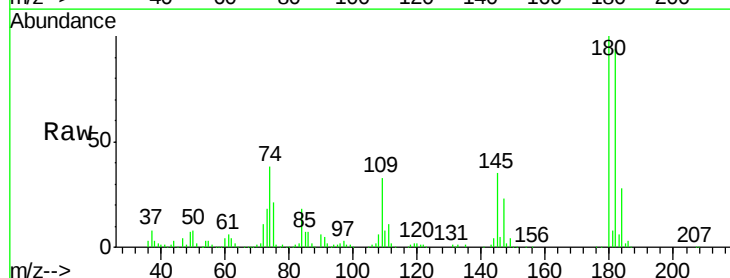


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 21.182 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015156.D
 Acq: 26 Mar 2020 00:09

Tgt Ion:180 Resp: 101737
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.3 114.5
 145 35.7 29.6 44.4



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

