

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015349.D
 Acq On : 01 Apr 2020 23:04
 Operator : SY/MD
 Sample : L2005-01 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD7

Quant Time: Apr 02 06:30:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 03:22:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	719357	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	692288	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	323668	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	163656	25.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	50.74%#
7) Chloroethane-d5	1.58	69	165868	30.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	60.20%#
11) 1,1-Dichloroethene-d2	2.12	63	267176	23.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	46.34%#
21) 2-Butanone-d5	3.94	46	315949	92.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.16%
24) Chloroform-d	4.38	84	390780	36.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.40%
26) 1,2-Dichloroethane-d4	5.06	65	252529	38.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.14%
32) Benzene-d6	5.08	84	774139	36.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.62%
36) 1,2-Dichloropropane-d6	6.09	67	240381	38.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	76.48%
41) Toluene-d8	7.34	98	738813	36.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.48%#
43) trans-1,3-Dichloropropene-	7.64	79	110575	31.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.68%
47) 2-Hexanone-d5	8.12	63	242212	84.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.37%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	370049	41.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.76%
64) 1,2-Dichlorobenzene-d4	11.65	152	304400	41.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.68%

Target Compounds

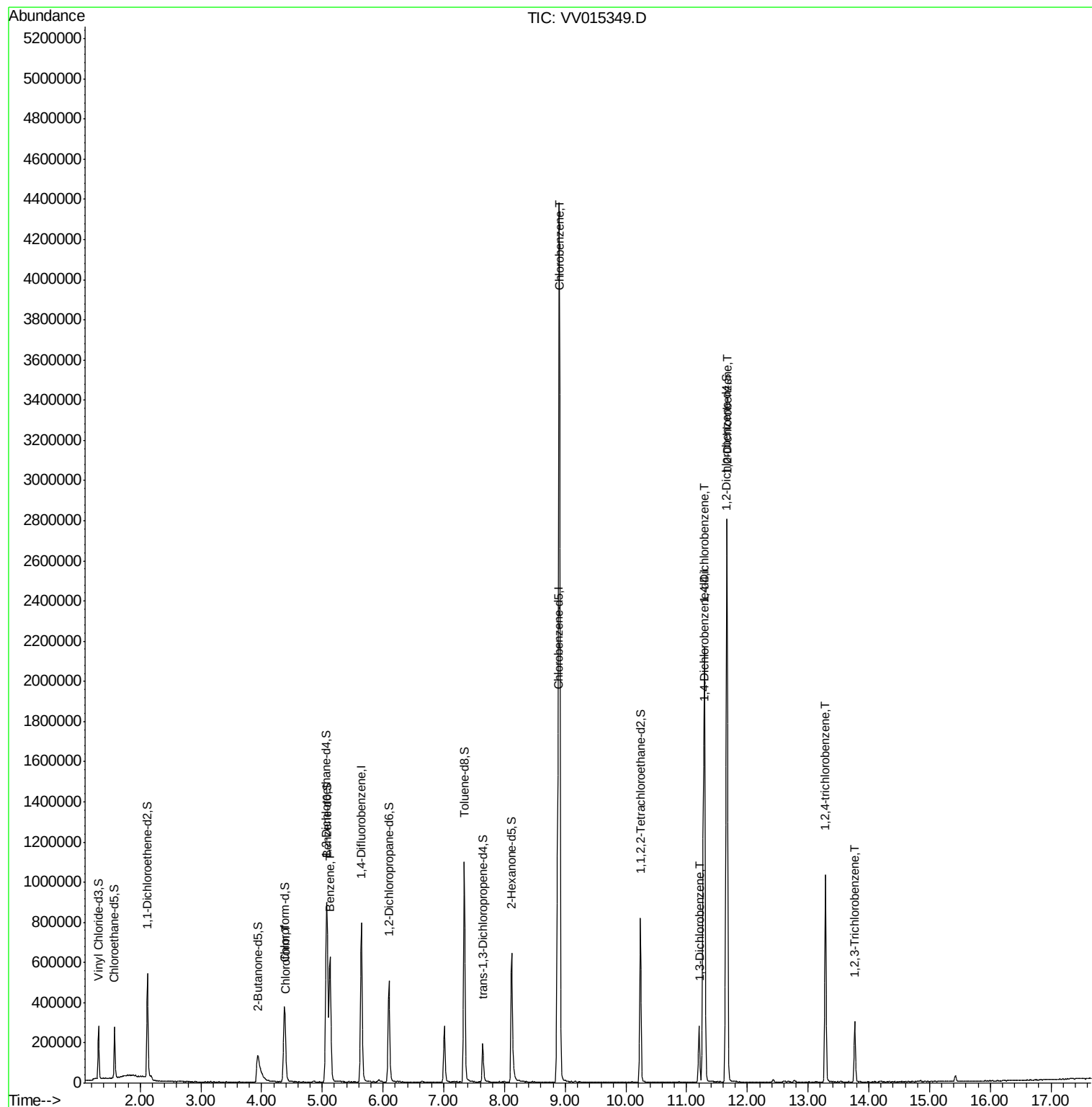
					Ovalue
25) Chloroform	4.41	83	10363	1.069	ug/L 99
33) Benzene	5.13	78	645926	31.523	ug/L 100
51) Chlorobenzene	8.90	112	2384314	159.753	ug/L 98
62) 1,3-Dichlorobenzene	11.21	146	108684	9.974	ug/L 97
63) 1,4-Dichlorobenzene	11.30	146	817832	74.004	ug/L 99
65) 1,2-Dichlorobenzene	11.67	146	1000488	90.022	ug/L 100
68) 1,2,4-trichlorobenzene	13.29	180	291620	44.210	ug/L 99
70) 1,2,3-Trichlorobenzene	13.77	180	82844	12.192	ug/L 99

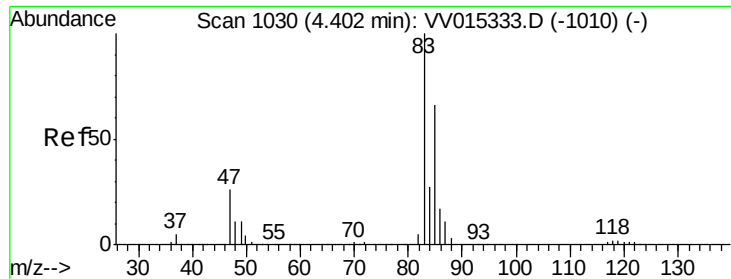
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Chloroform

Concen: 1.069 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

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Acq: 01 Apr 2020 23:04

Instrument :

MSVOA_V

ClientSampleId :

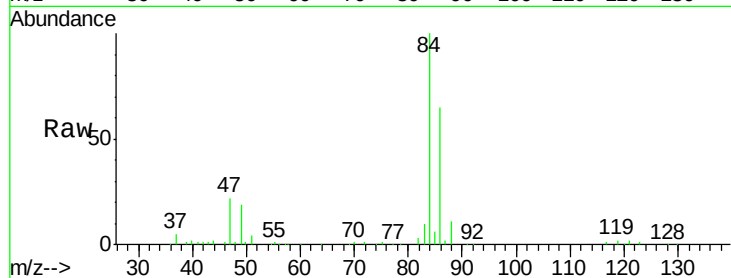
C0DD7

Tot Ion: 83 Resp: 10363

Ion Ratio Lower Upper

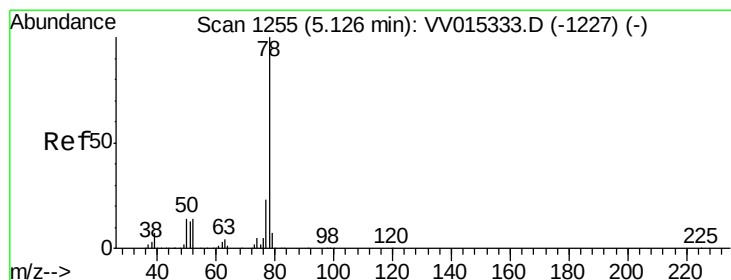
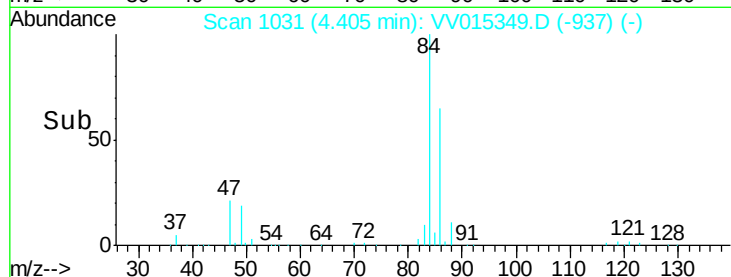
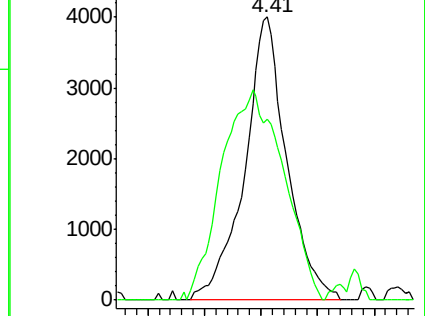
83 100

85 63.7 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: 31.523 ug/L

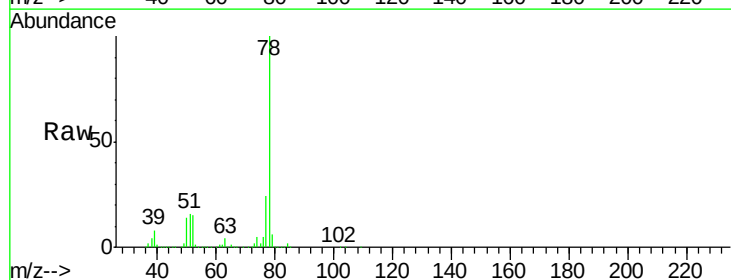
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

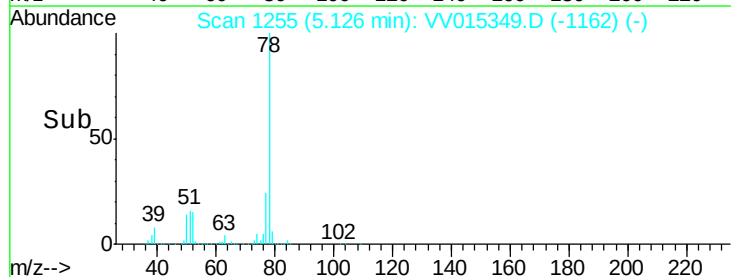
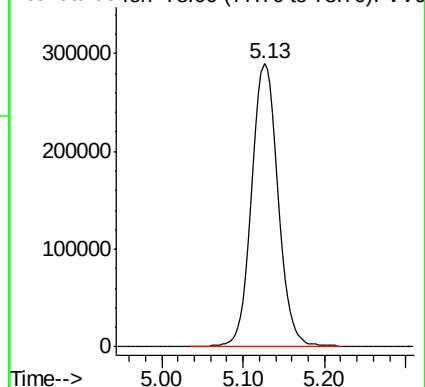
Lab File: VV015349.D

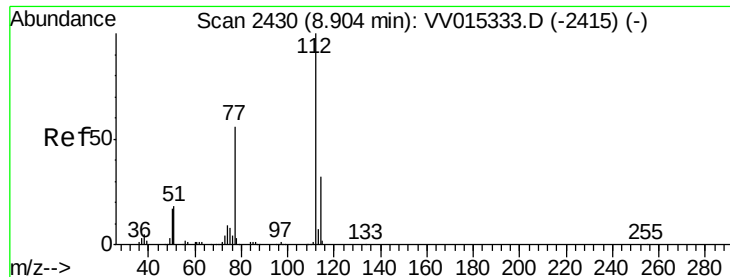
Acq: 01 Apr 2020 23:04

Tgt Ion: 78 Resp: 645926



Abundance Ion 78.00 (77.70 to 78.70): VV0





#51

Chlorobenzene

Concen: 159.753 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV015349.D

Acq: 01 Apr 2020 23:04

Instrument :

MSVOA_V

ClientSampleId :

C0DD7

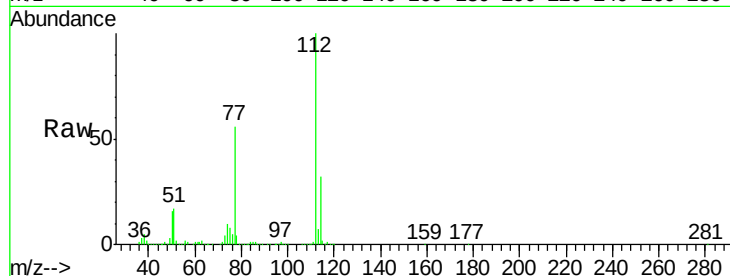
Tot Ion:112 Resp: 2384314

Ion Ratio Lower Upper

112 100

114 32.2 21.8 40.4

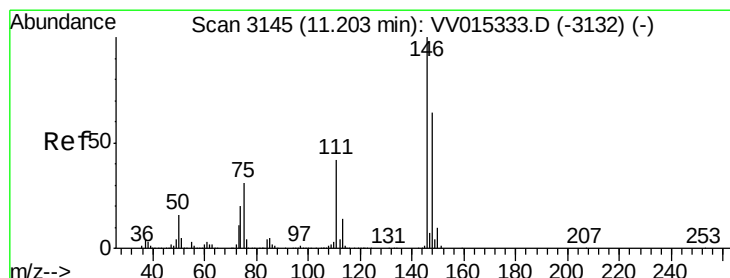
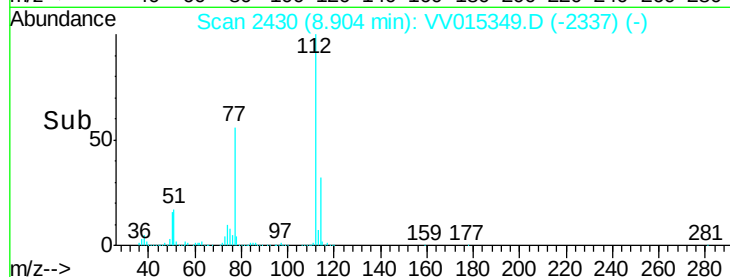
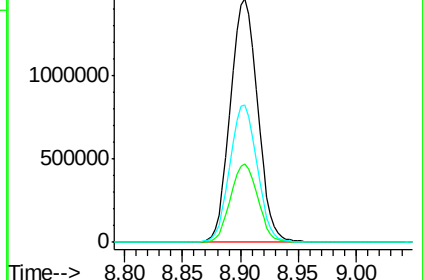
77 56.4 46.2 69.2



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: 9.974 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015349.D

Acq: 01 Apr 2020 23:04

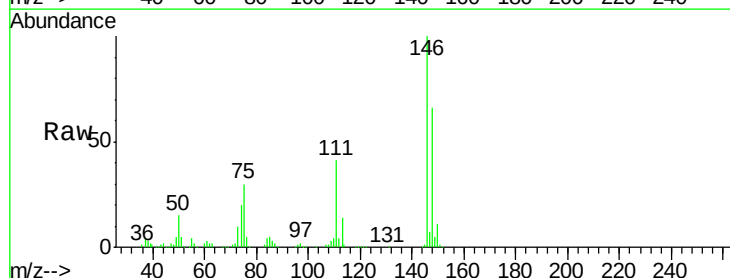
Tgt Ion:146 Resp: 108684

Ion Ratio Lower Upper

146 100

111 41.1 30.2 56.2

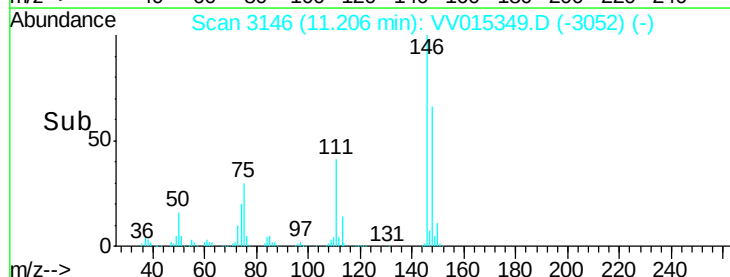
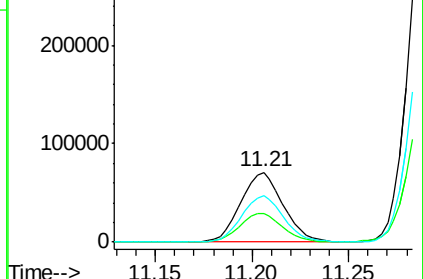
148 65.9 44.7 83.1

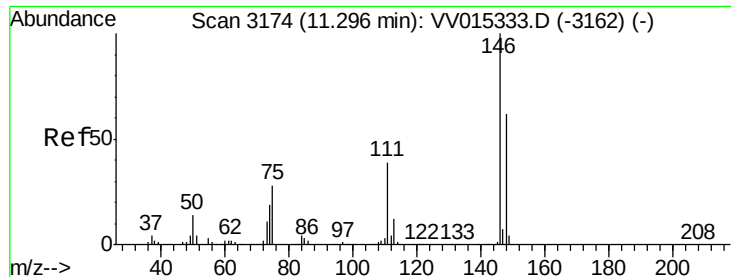


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

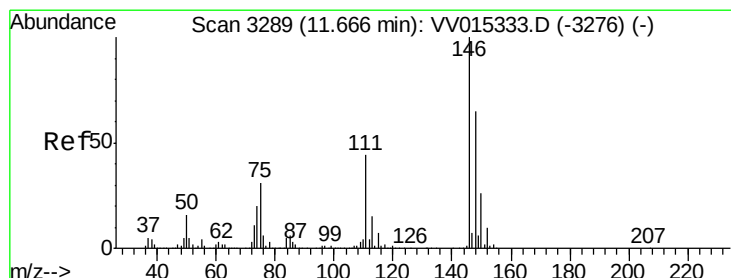
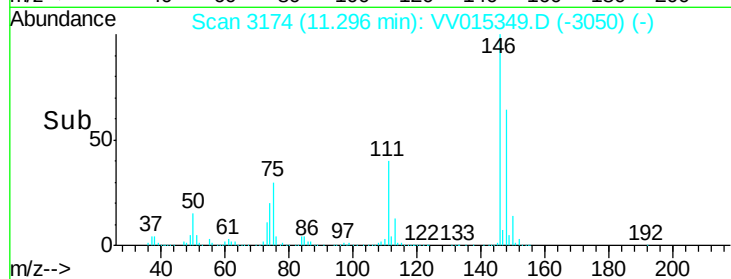
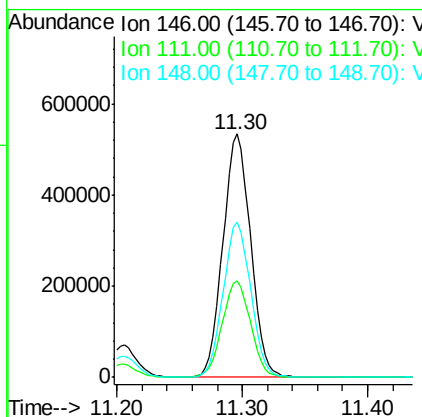
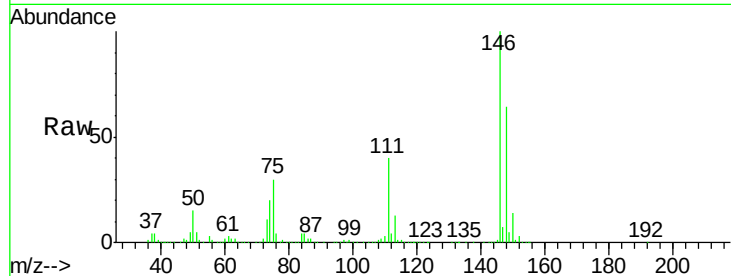




#63
 1,4-Dichlorobenzene
 Concen: 74.004 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015349.D
 Acq: 01 Apr 2020 23:04

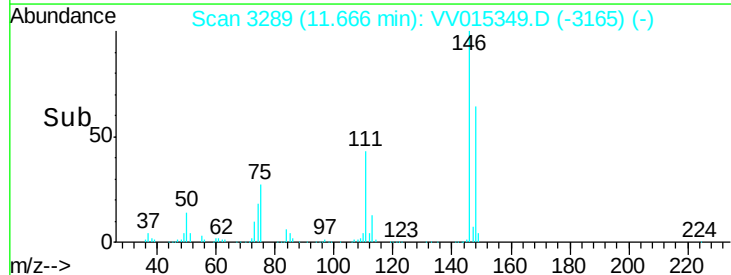
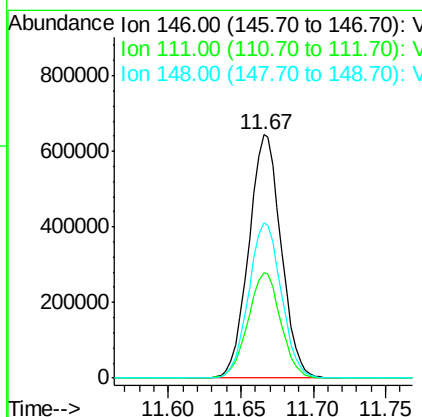
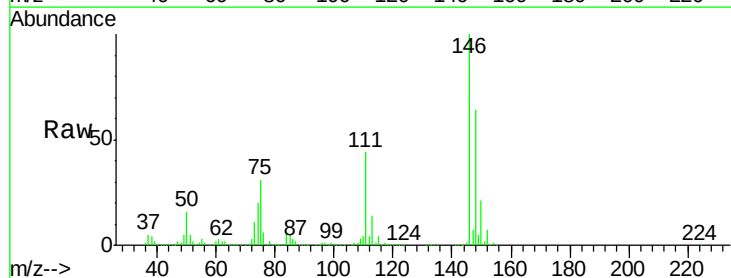
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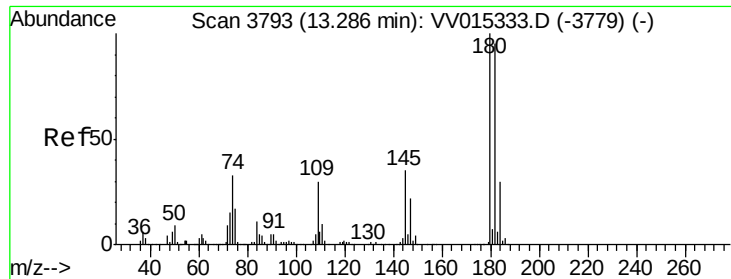
Tot Ion:146 Resp: 817832
 Ion Ratio Lower Upper
 146 100
 111 39.6 29.3 54.5
 148 63.8 44.7 82.9



#65
 1,2-Dichlorobenzene
 Concen: 90.022 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015349.D
 Acq: 01 Apr 2020 23:04

Tgt Ion:146 Resp: 1000488
 Ion Ratio Lower Upper
 146 100
 111 43.5 35.1 52.7
 148 63.9 51.0 76.4

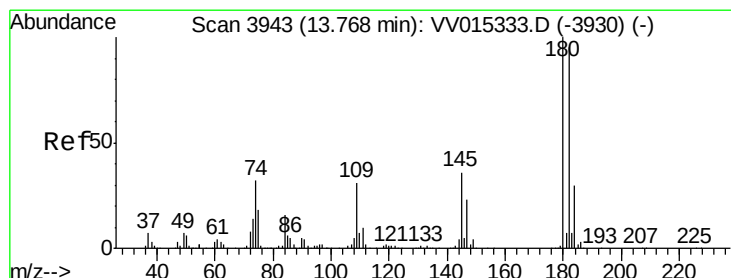
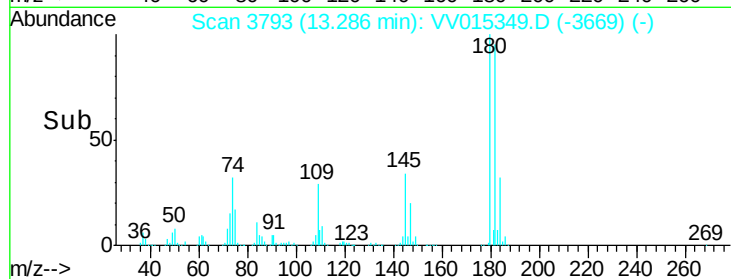
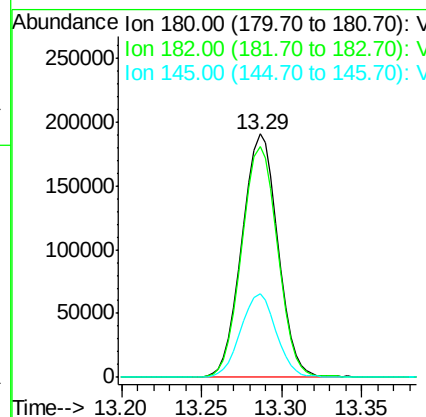
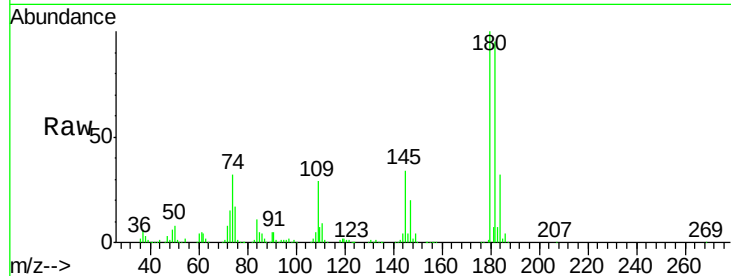




#68
 1,2,4-trichlorobenzene
 Concen: 44.210 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015349.D
 Acq: 01 Apr 2020 23:04

Instrument :
 MSVOA_V
 ClientSampled :
 C0DD7

Tot Ion	180	Resp	291620
Ion Ratio	Lower	Upper	
180	100		
182	95.2	75.8	113.8
145	33.9	27.7	41.5



#70
 1,2,3-Trichlorobenzene
 Concen: 12.192 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015349.D
 Acq: 01 Apr 2020 23:04

Tgt Ion	180	Resp	82844
Ion Ratio	Lower	Upper	
180	100		
182	96.4	76.1	114.1
145	35.8	28.2	42.4

