

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
 Data File : VV015373.D
 Acq On : 02 Apr 2020 14:48
 Operator : SY/MD
 Sample : L2005-07 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 03 01:33:35 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	700098	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	680520	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	323462	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	225794	35.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.94%
7) Chloroethane-d5	1.58	69	206314	38.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.94%
11) 1,1-Dichloroethene-d2	2.12	63	351500	31.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.66%
21) 2-Butanone-d5	3.94	46	314362	94.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.22%
24) Chloroform-d	4.38	84	427904	41.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.58%
26) 1,2-Dichloroethane-d4	5.06	65	274574	42.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.06%
32) Benzene-d6	5.07	84	880114	42.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.09	67	266547	43.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.28%
41) Toluene-d8	7.34	98	864938	43.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.32%
43) trans-1,3-Dichloropropene-	7.64	79	133918	39.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.44%
47) 2-Hexanone-d5	8.12	63	242535	85.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.94%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	383698	43.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	327829	44.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.10%

Target Compounds

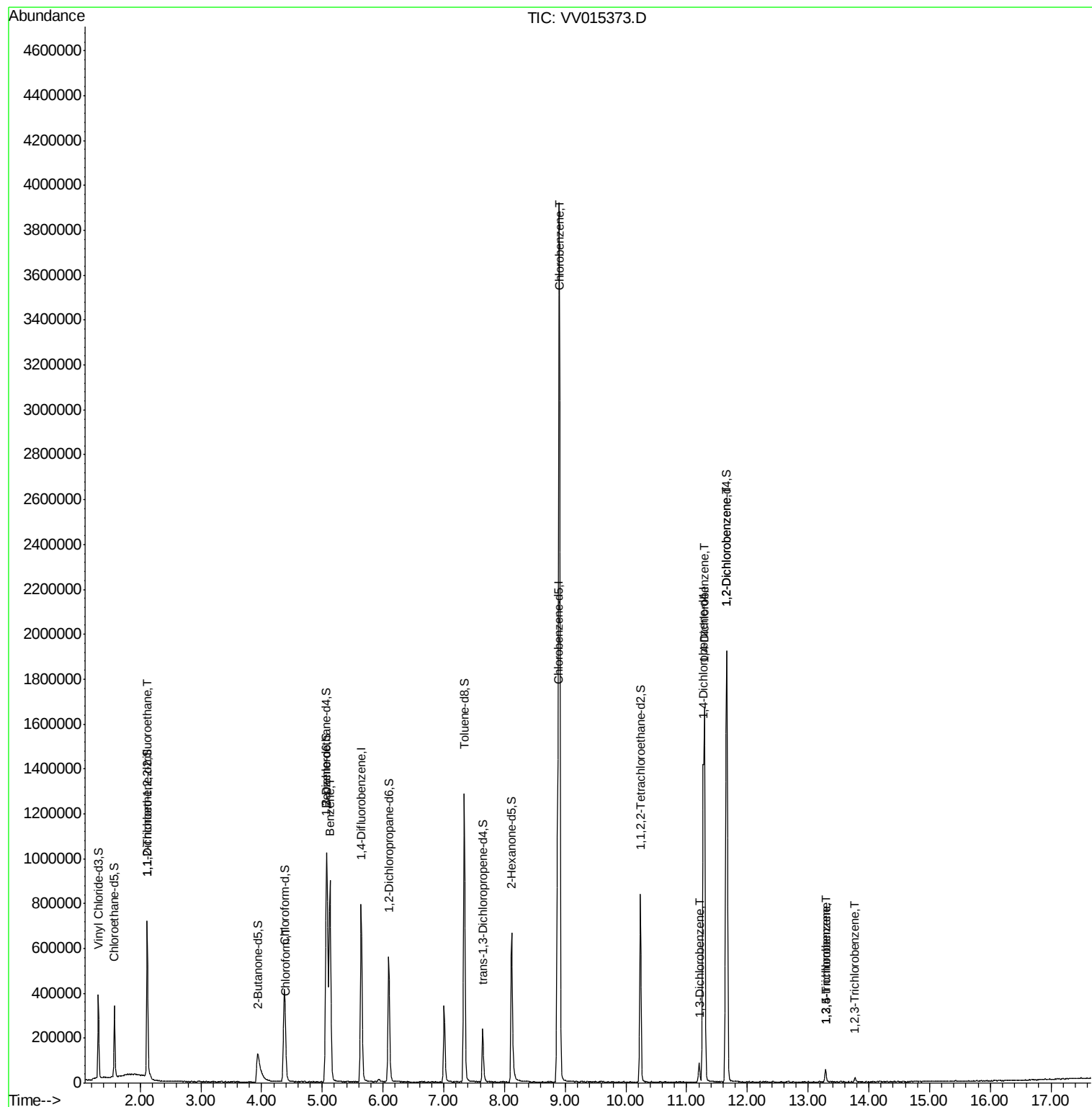
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3642	0.690	ug/L	# 26
25) Chloroform	4.41	83	15137	1.604	ug/L	96
33) Benzene	5.13	78	920581	45.704	ug/L	100
51) Chlorobenzene	8.90	112	2083822	142.034	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	32219	2.959	ug/L	94
63) 1,4-Dichlorobenzene	11.30	146	615521	55.733	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	607408	54.688	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	15733	2.180	ug/L	93
68) 1,2,4-trichlorobenzene	13.29	180	15733	2.387	ug/L	94
70) 1,2,3-Trichlorobenzene	13.77	180	4490	0.661	ug/L	96

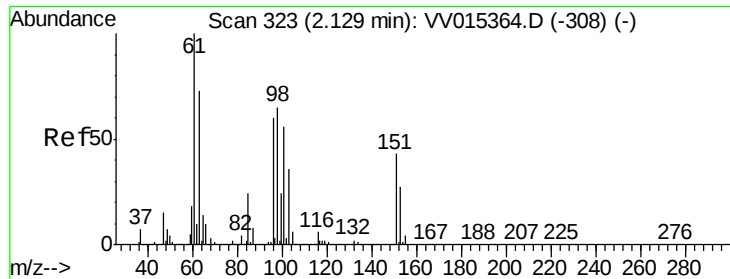
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 03 01:33:35 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: 0.690 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV015373.D

Acq: 02 Apr 2020 14:48

Instrument :

MSVOA_V

ClientSampleId :

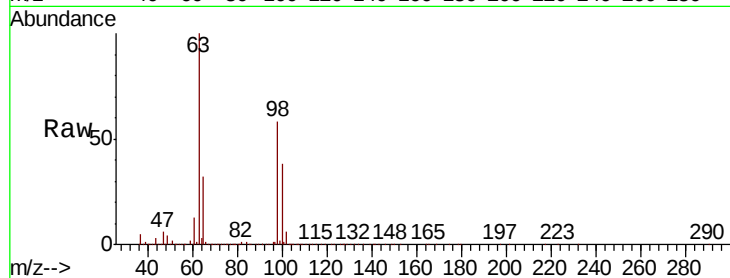
Tot Ion:101 Resp: 3642

Ion Ratio Lower Upper

101 100

85 5.8 36.1 54.1#

151 4.1 58.2 87.4#

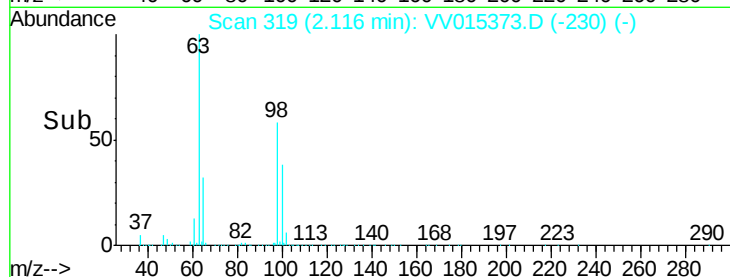


Abundance Ion 101.00 (100.70 to 101.70): VV015364.D (-308) (-)

Ion 85.00 (84.70 to 85.70): VV015364.D (-308) (-)

Ion 151.00 (150.70 to 151.70): VV015364.D (-308) (-)

Time-->

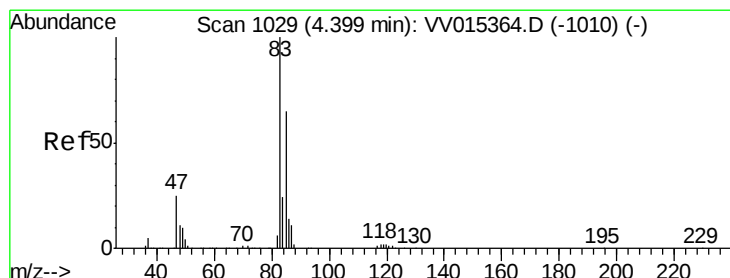


Abundance Ion 101.00 (100.70 to 101.70): VV015373.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015373.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015373.D (-230) (-)

Time-->



#25

Chloroform

Concen: 1.604 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015373.D

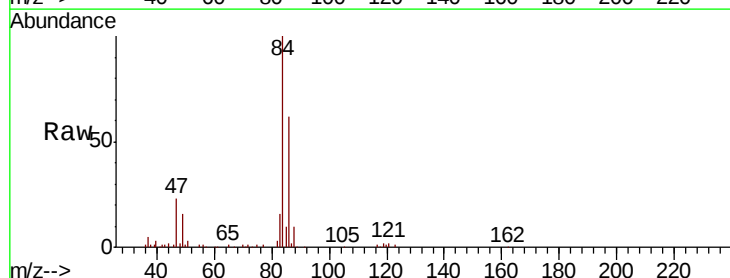
Acq: 02 Apr 2020 14:48

Tgt Ion: 83 Resp: 15137

Ion Ratio Lower Upper

83 100

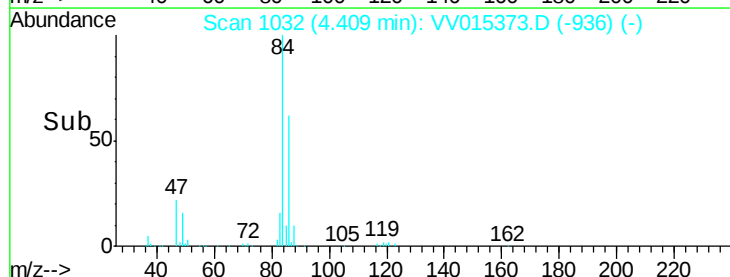
85 61.5 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV015364.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV015364.D (-1010) (-)

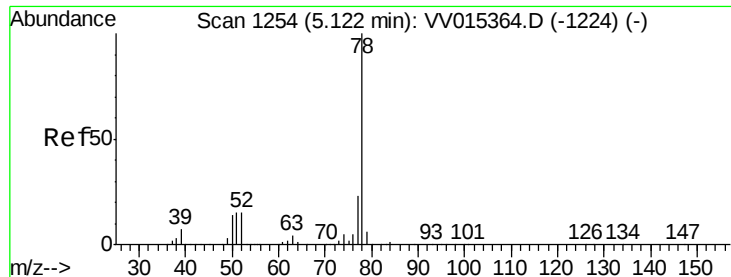
Time-->



Abundance Ion 83.00 (82.70 to 83.70): VV015373.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VV015373.D (-936) (-)

Time-->



#33

Benzene

Concen: 45.704 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015373.D

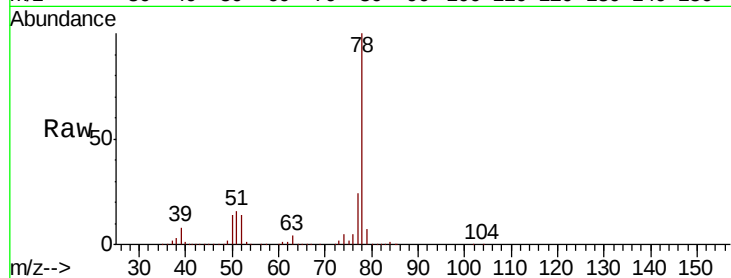
Acq: 02 Apr 2020 14:48

Instrument :

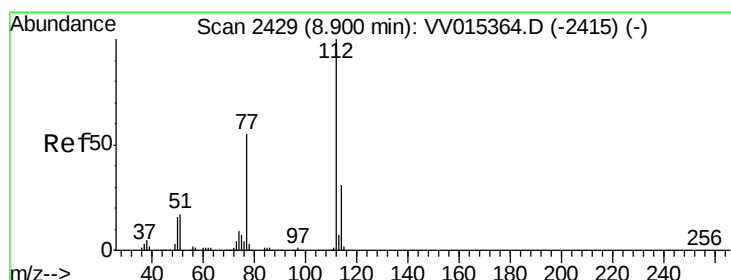
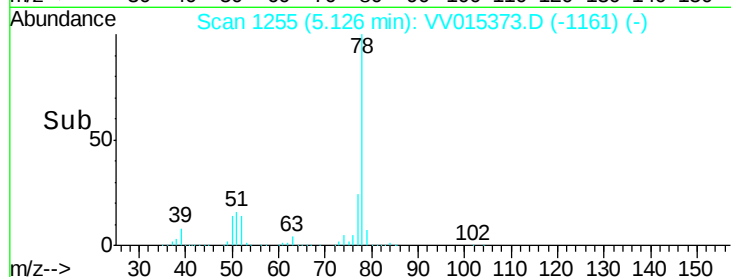
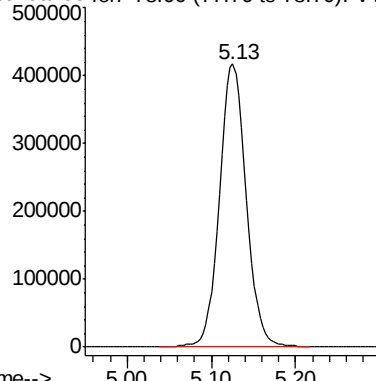
MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 920581



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 142.034 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

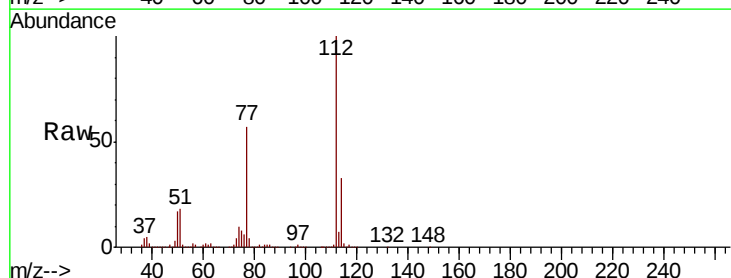
Lab File: VV015373.D

Acq: 02 Apr 2020 14:48

Tgt Ion: 112 Resp: 2083822

Ion	Ratio	Lower	Upper
112	100		
114	32.6	21.8	40.4
77	57.4	46.2	69.2

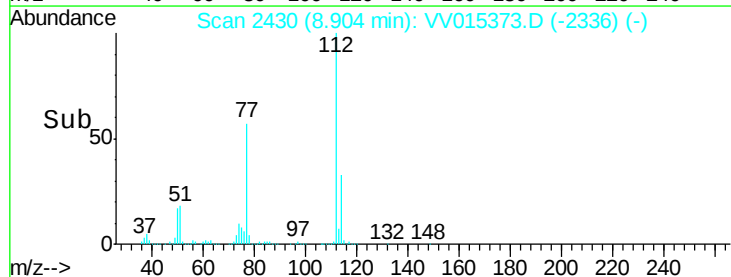
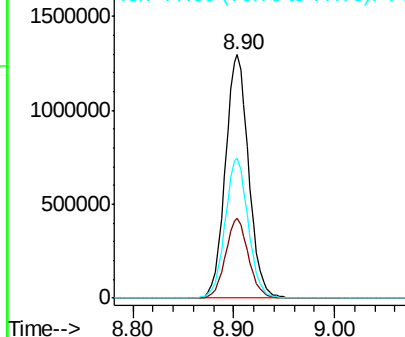
112	100		
114	32.6	21.8	40.4
77	57.4	46.2	69.2

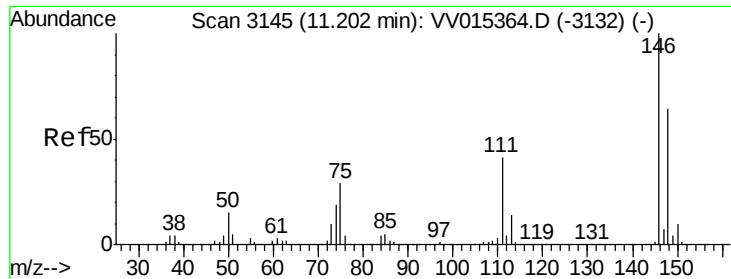


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

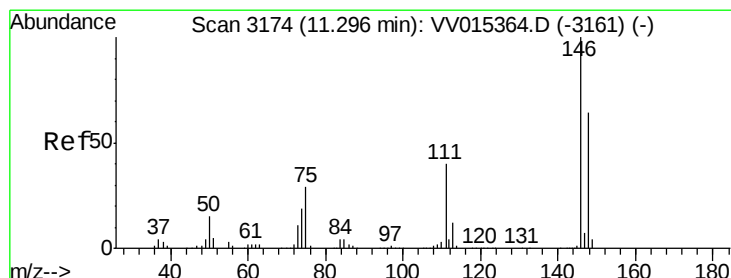
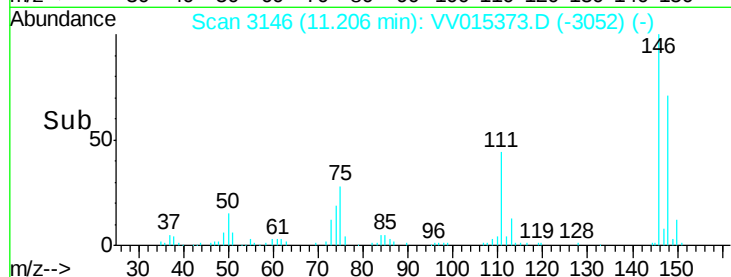
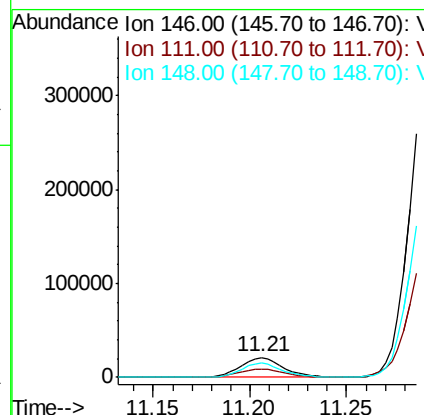
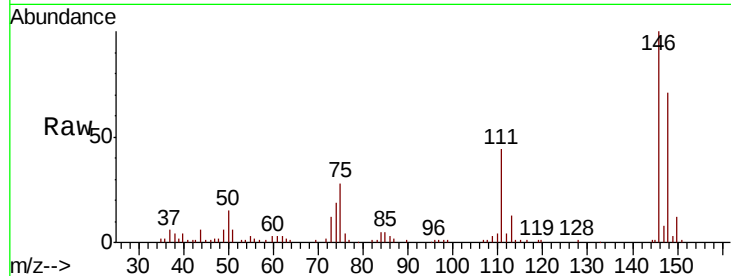




#62
 1,3-Dichlorobenzene
 Concen: 2.959 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015373.D
 Acq: 02 Apr 2020 14:48

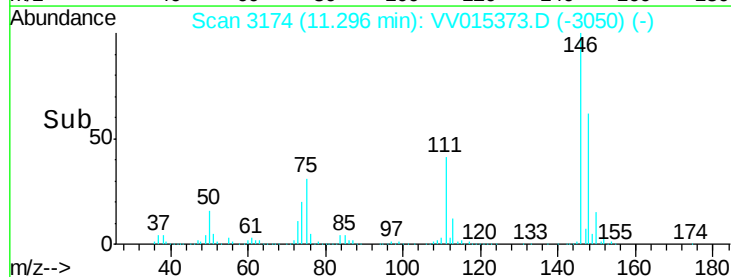
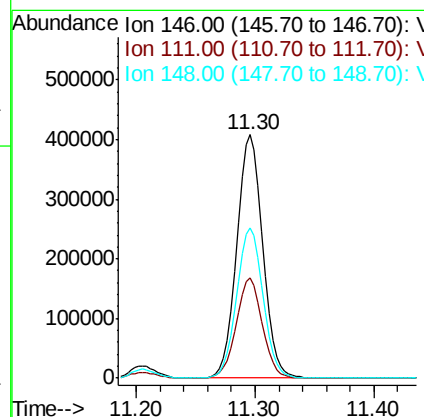
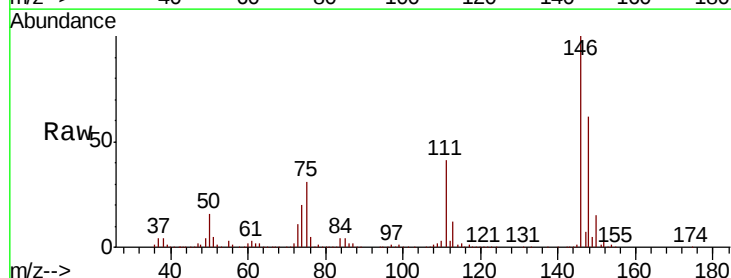
Instrument :
 MSVOA_V
 ClientSampleId :

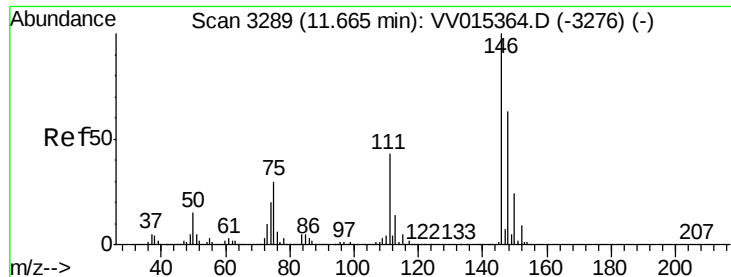
Tot Ion:146 Resp: 32219
 Ion Ratio Lower Upper
 146 100
 111 43.6 30.2 56.2
 148 71.2 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 55.733 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015373.D
 Acq: 02 Apr 2020 14:48

Tgt Ion:146 Resp: 615521
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.3 54.5
 148 61.9 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 54.688 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015373.D

Acq: 02 Apr 2020 14:48

Instrument :

MSVOA_V

ClientSampled :

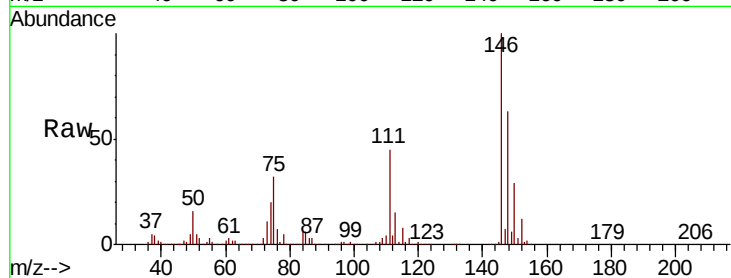
Tot Ion:146 Resp: 607408

Ion Ratio Lower Upper

146 100

111 44.7 35.1 52.7

148 63.0 51.0 76.4

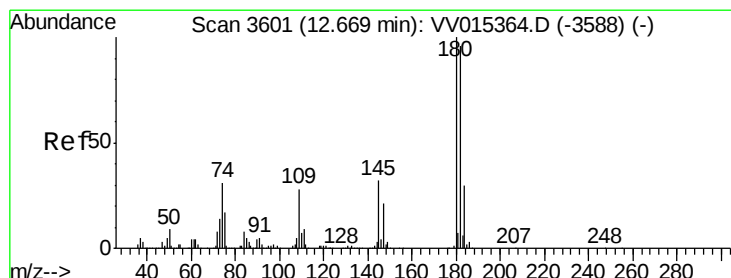
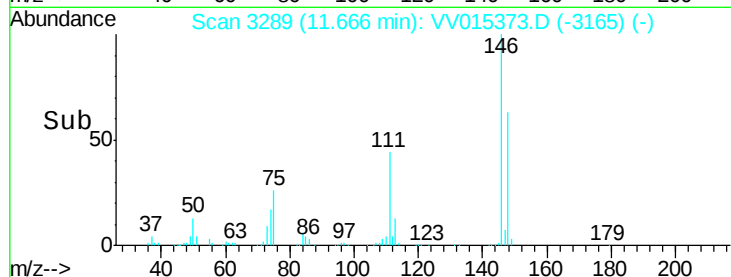
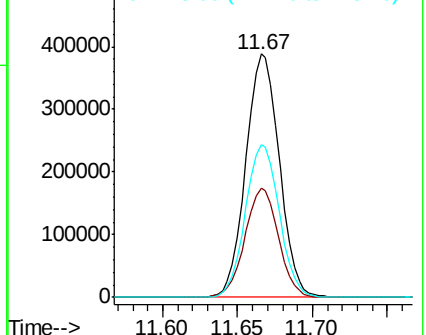


Abundance

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: 2.180 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV015373.D

Acq: 02 Apr 2020 14:48

Tgt Ion:180 Resp: 15733

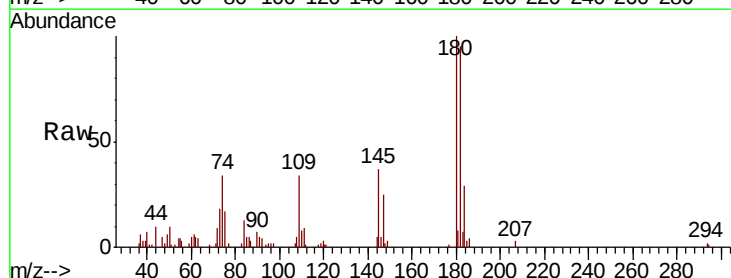
Ion Ratio Lower Upper

180 100

182 100.3 74.7 112.1

184 31.4 23.7 35.5

145 38.5 26.8 40.2



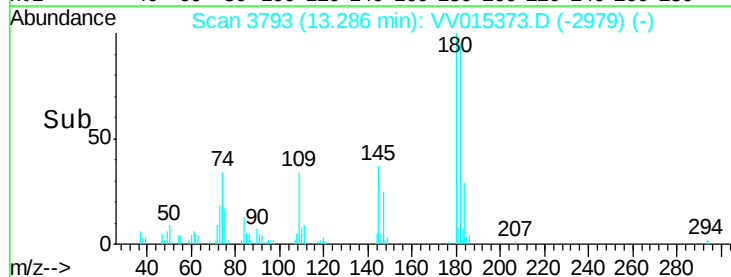
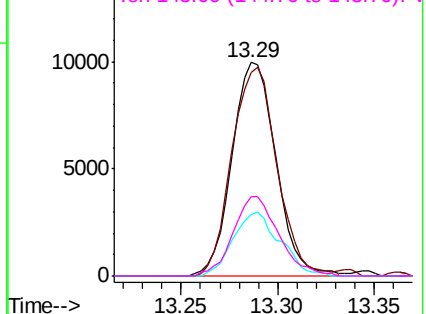
Abundance

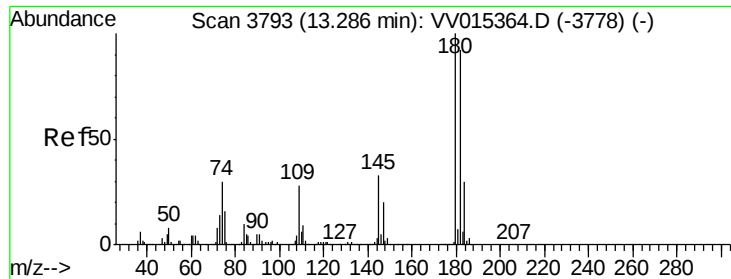
Ion 180.00 (179.70 to 180.70): V

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

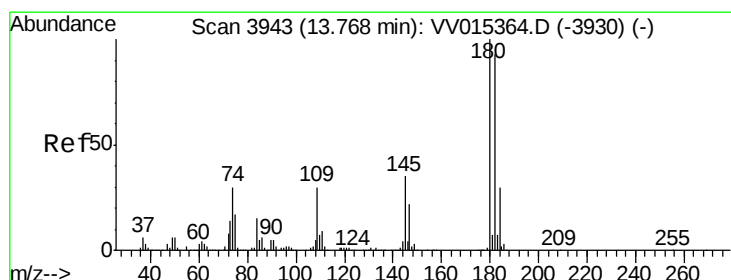
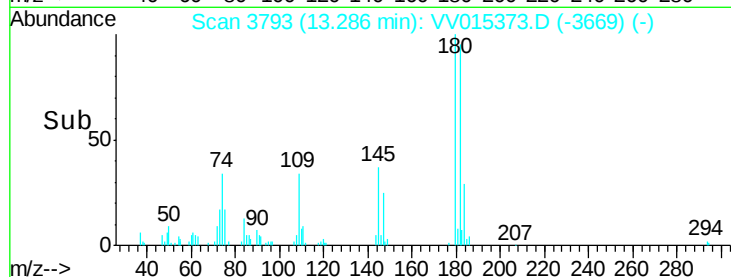
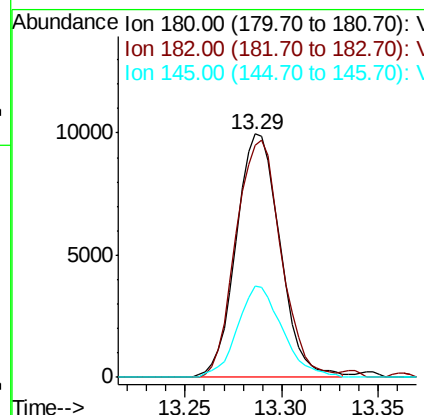
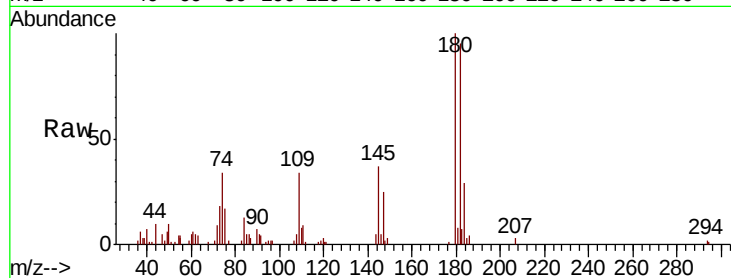




#68
 1,2,4-trichlorobenzene
 Concen: 2.387 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015373.D
 Acq: 02 Apr 2020 14:48

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 15733
 Ion Ratio Lower Upper
 180 100
 182 100.3 75.8 113.8
 145 38.5 27.7 41.5



#70
 1,2,3-Trichlorobenzene
 Concen: 0.661 ug/L
 RT: 13.77 min Scan# 3945
 Delta R.T. 0.01 min
 Lab File: VV015373.D
 Acq: 02 Apr 2020 14:48

Tgt Ion:180 Resp: 4490
 Ion Ratio Lower Upper
 180 100
 182 90.3 76.1 114.1
 145 34.5 28.2 42.4

