

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015343.D
 Acq On : 01 Apr 2020 20:39
 Operator : SY/MD
 Sample : L2005-06
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 03:30:50 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	724951	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	695509	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	339746	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	167913	25.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	51.66%#
7) Chloroethane-d5	1.58	69	167167	30.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	60.22%#
11) 1,1-Dichloroethene-d2	1.95	63	363	0.03	ug/L	-0.17
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.06%#
21) 2-Butanone-d5	3.93	46	284173	82.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.25%
24) Chloroform-d	4.38	84	391473	36.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.96%
26) 1,2-Dichloroethane-d4	5.06	65	253638	37.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.88%
32) Benzene-d6	5.08	84	776062	36.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.46%
36) 1,2-Dichloropropane-d6	6.10	67	244102	38.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.30%
41) Toluene-d8	7.34	98	747164	36.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.96%#
43) trans-1,3-Dichloropropene-	7.64	79	115922	33.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.44%
47) 2-Hexanone-d5	8.12	63	229962	79.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.73%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	366655	40.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	306896	39.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.42%#

Target Compounds

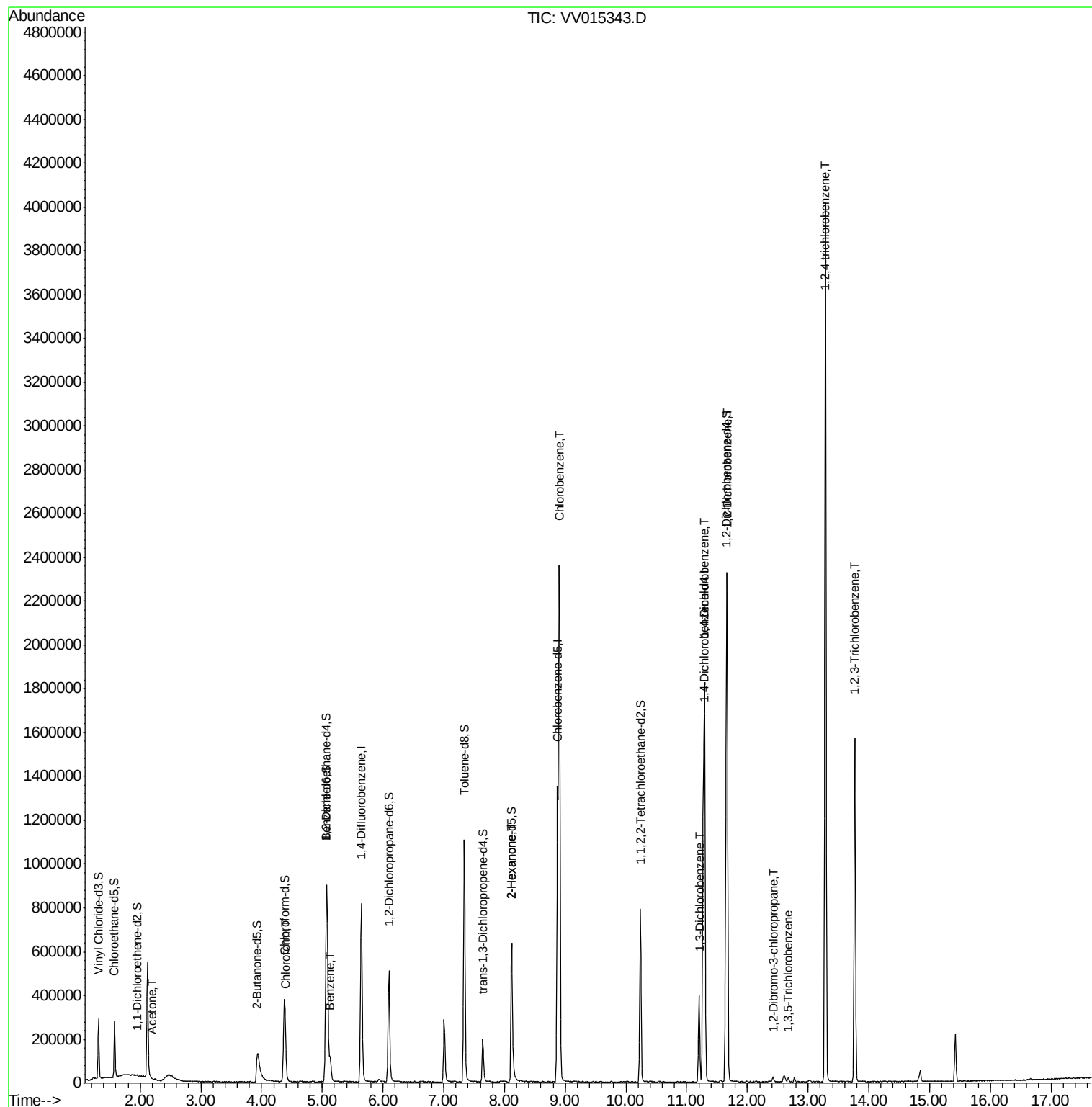
					Ovalue
13) Acetone	2.21	43	3641	1.606	ug/L 45
25) Chloroform	4.41	83	13784	1.410	ug/L 86
33) Benzene	5.13	78	112253	5.453	ug/L 100
48) 2-Hexanone	8.12	43	27364	5.088	ug/L # 82
51) Chlorobenzene	8.90	112	1274717	85.013	ug/L 98
62) 1,3-Dichlorobenzene	11.21	146	156649	13.696	ug/L 99
63) 1,4-Dichlorobenzene	11.30	146	684114	58.975	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	812024	69.606	ug/L 99
66) 1,2-Dibromo-3-chloropropan	12.42	75	4095	1.778	ug/L # 4
67) 1,3,5-Trichlorobenzene	12.67	180	5787	0.763	ug/L 95
68) 1,2,4-trichlorobenzene	13.29	180	1135552	164.004	ug/L 99
70) 1,2,3-Trichlorobenzene	13.77	180	445862	62.514	ug/L 98

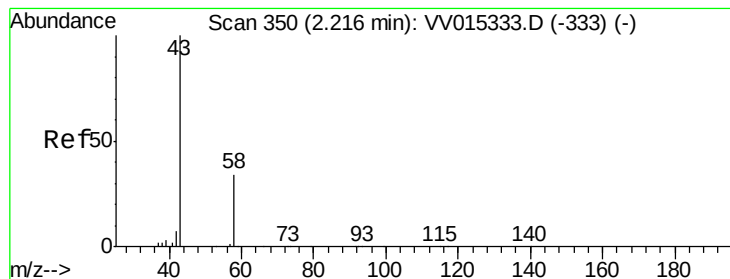
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 02 03:30:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 02 03:22:54 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.606 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV015343.D

Acq: 01 Apr 2020 20:39

Instrument :

MSVOA_V

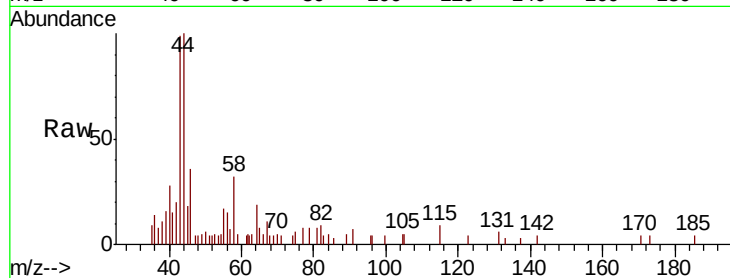
ClientSampleId :

Tot Ion: 43 Resp: 3641

Ion Ratio Lower Upper

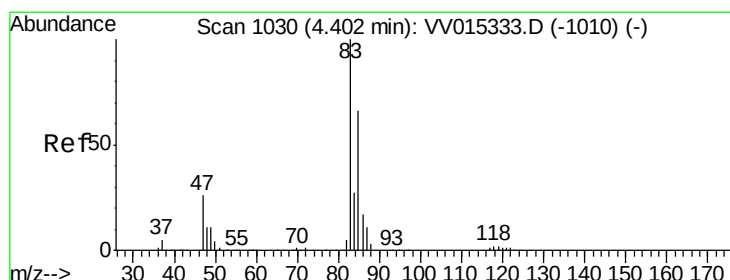
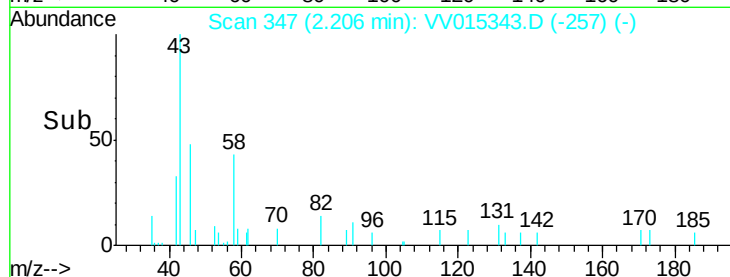
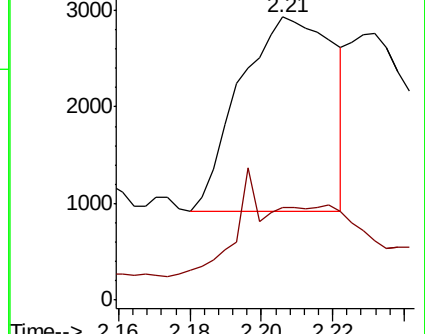
43 100

58 2.7 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#25

Chloroform

Concen: 1.410 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015343.D

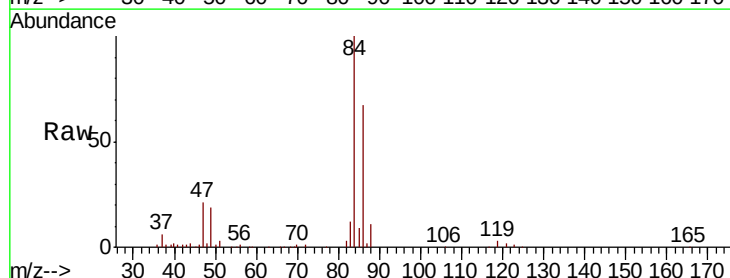
Acq: 01 Apr 2020 20:39

Tgt Ion: 83 Resp: 13784

Ion Ratio Lower Upper

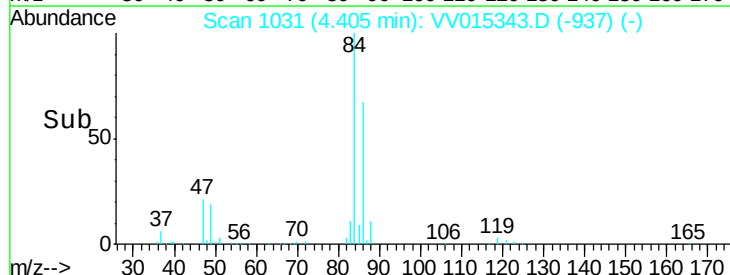
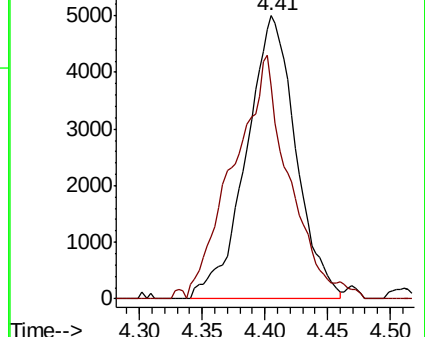
83 100

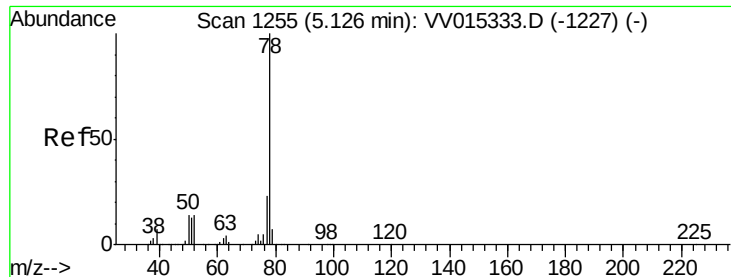
85 75.4 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

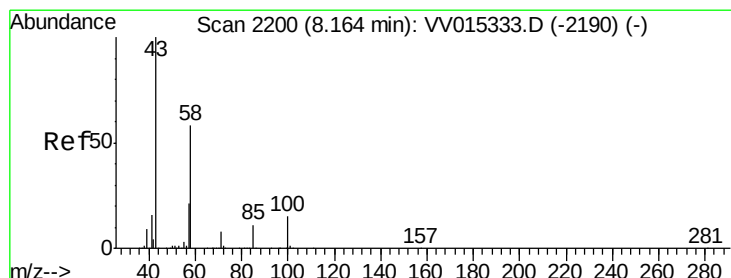
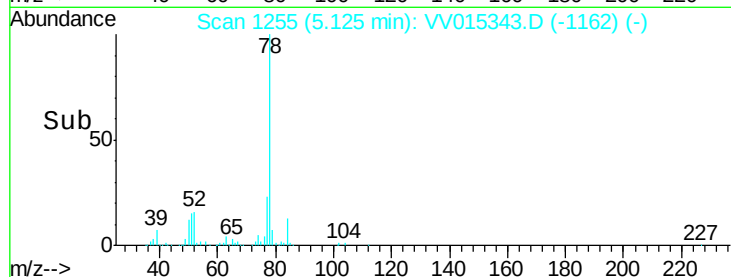
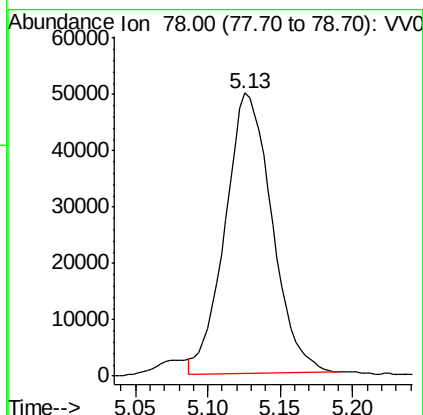
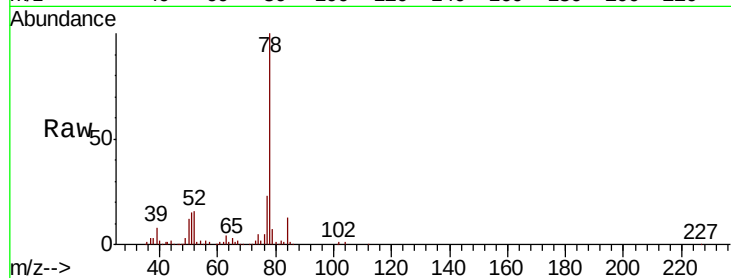




#33
Benzene
Concen: 5.453 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV015343.D
Acq: 01 Apr 2020 20:39

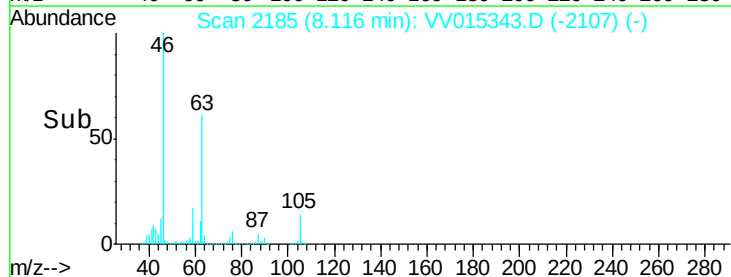
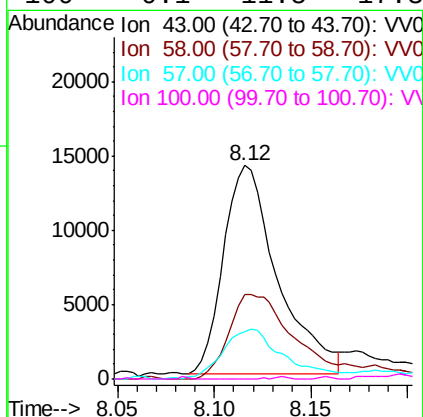
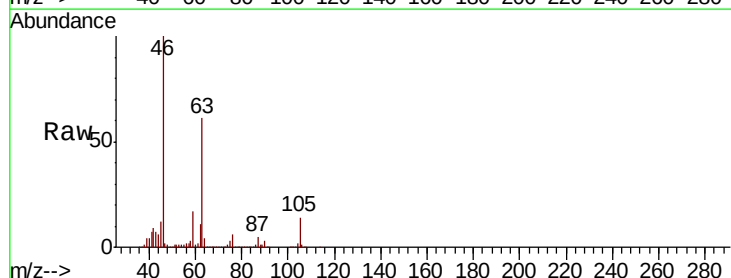
Instrument :
MSVOA_V
ClientSampled :

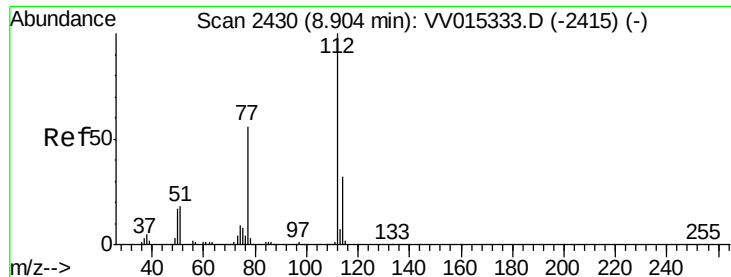
Tgt Ion: 78 Resp: 112253



#48
2-Hexanone
Concen: 5.088 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015343.D
Acq: 01 Apr 2020 20:39

Tgt Ion: 43 Resp: 27364
Ion Ratio Lower Upper
43 100
58 47.3 47.4 71.2#
57 27.3 16.7 25.1#
100 0.1 11.5 17.3#





#51

Chlorobenzene

Concen: 85.013 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV015343.D

Acq: 01 Apr 2020 20:39

Instrument :
MSVOA_V
ClientSampled :

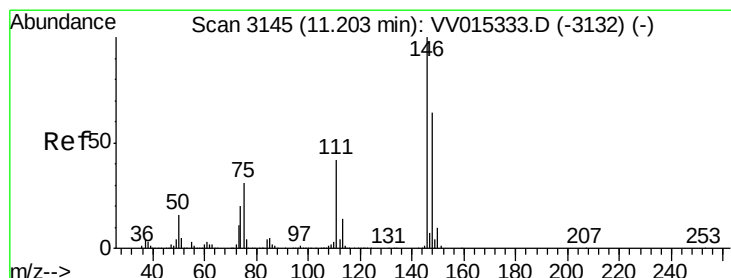
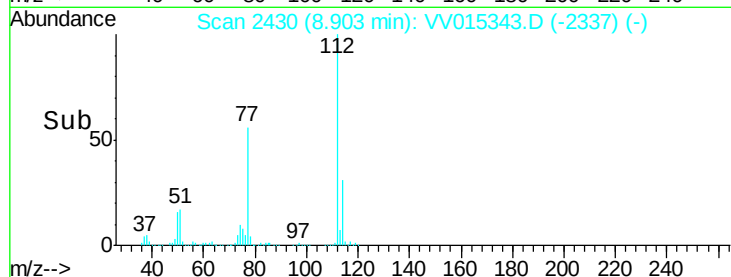
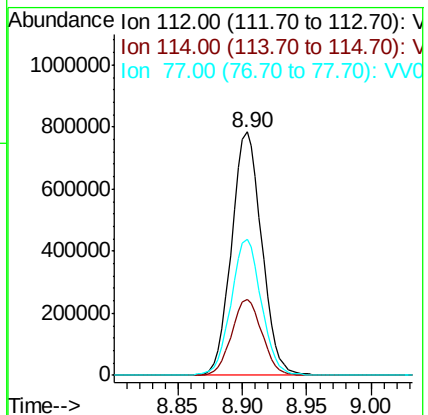
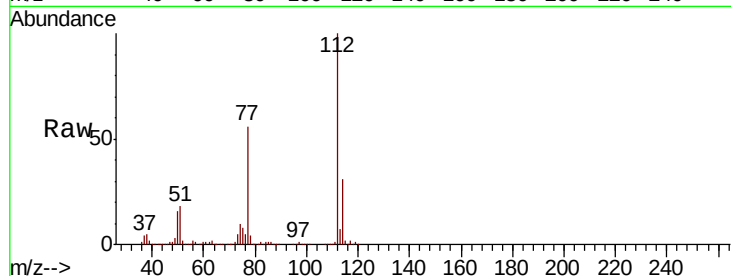
Tot Ion:112 Resp: 1274717

Ion Ratio Lower Upper

112 100

114 31.5 21.8 40.4

77 55.9 46.2 69.2



#62

1,3-Dichlorobenzene

Concen: 13.696 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015343.D

Acq: 01 Apr 2020 20:39

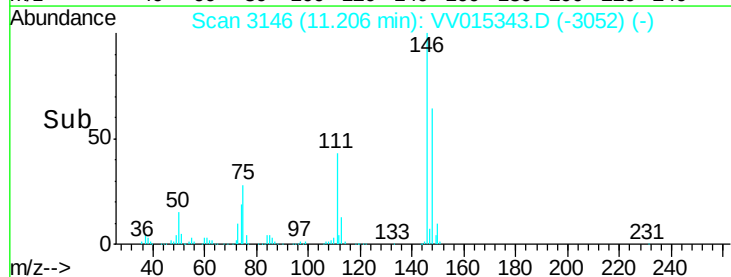
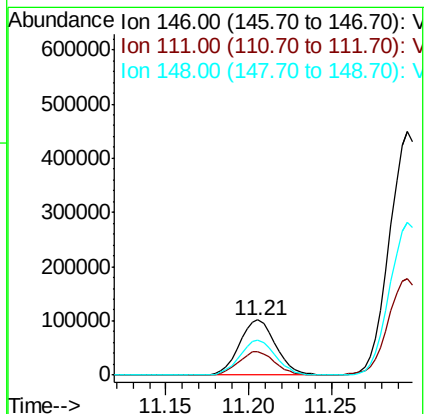
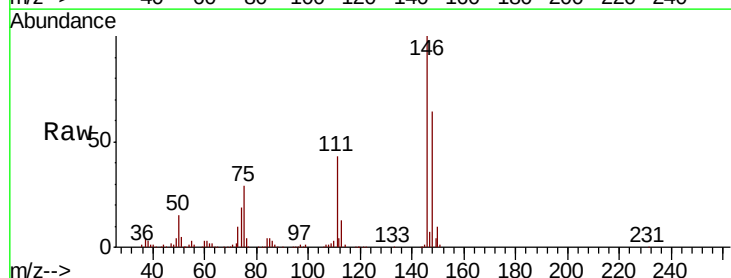
Tgt Ion:146 Resp: 156649

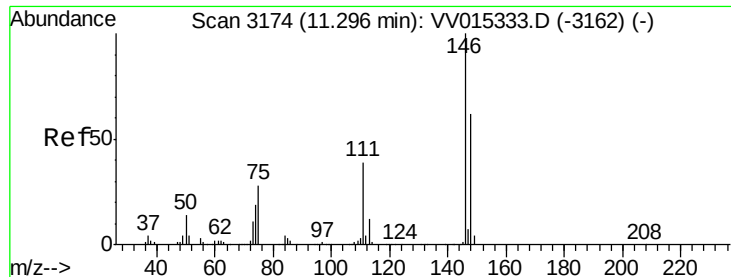
Ion Ratio Lower Upper

146 100

111 42.8 30.2 56.2

148 63.5 44.7 83.1





#63

1,4-Dichlorobenzene

Concen: 58.975 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015343.D

Acq: 01 Apr 2020 20:39

Instrument :

MSVOA_V

ClientSampleId :

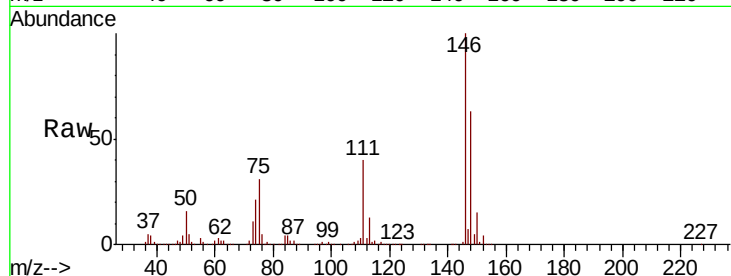
Tot Ion:146 Resp: 684114

Ion Ratio Lower Upper

146 100

111 39.6 29.3 54.5

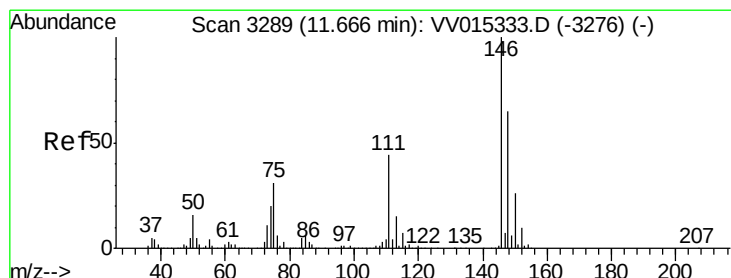
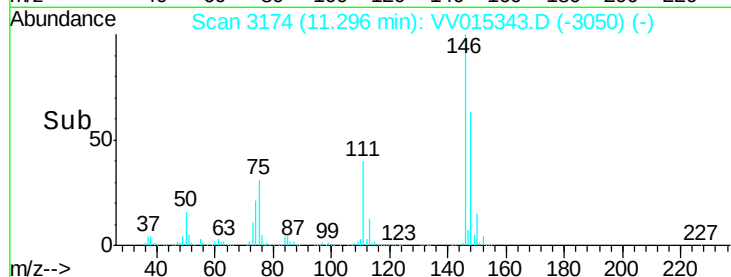
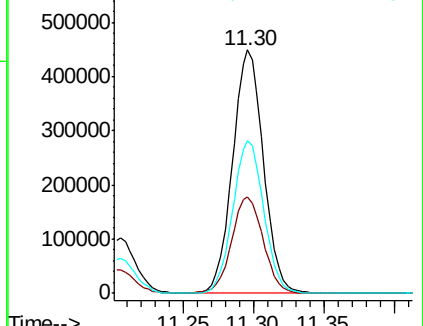
148 62.8 44.7 82.9



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



#65

1,2-Dichlorobenzene

Concen: 69.606 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015343.D

Acq: 01 Apr 2020 20:39

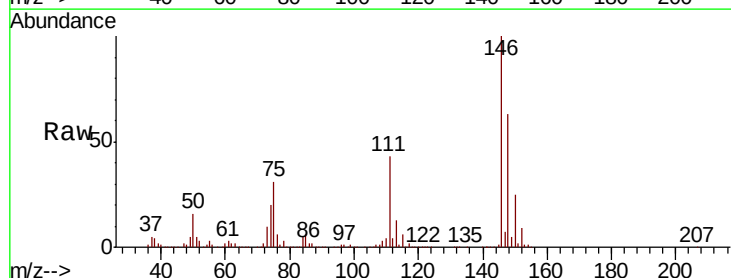
Tgt Ion:146 Resp: 812024

Ion Ratio Lower Upper

146 100

111 43.1 35.1 52.7

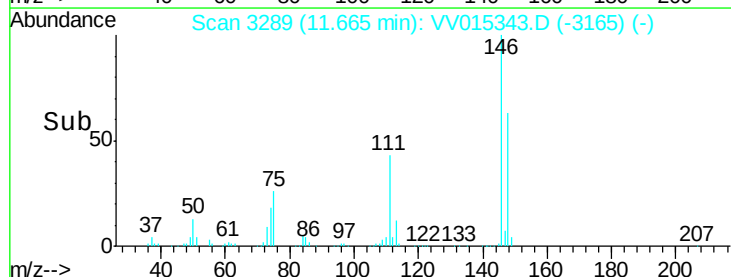
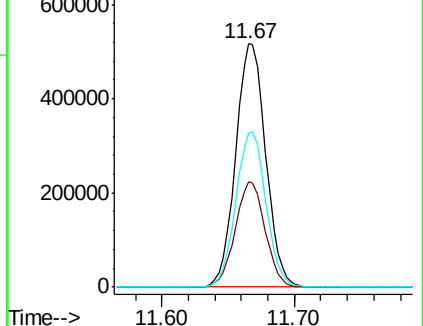
148 63.2 51.0 76.4

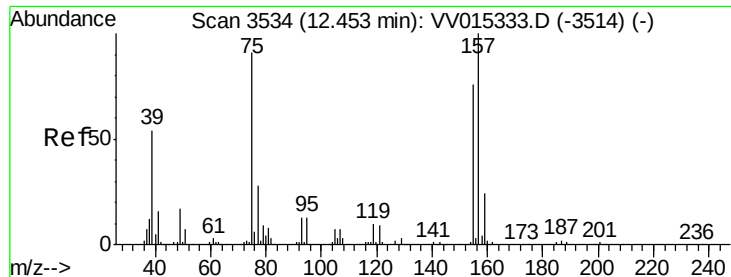


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

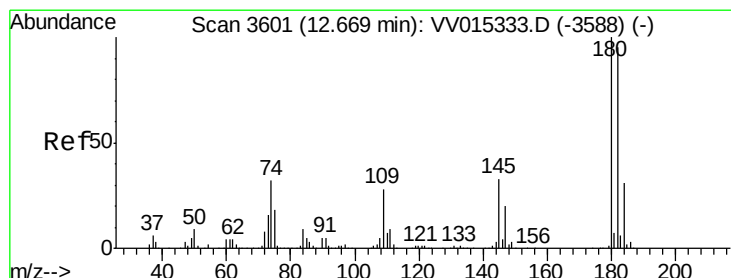
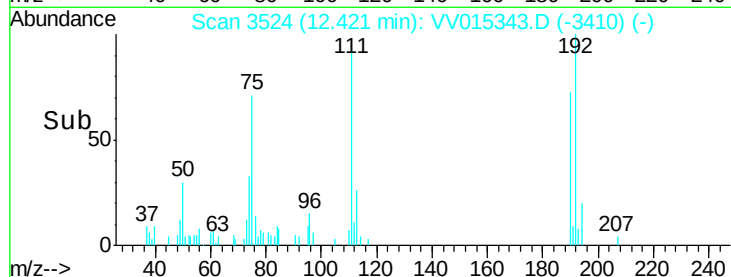
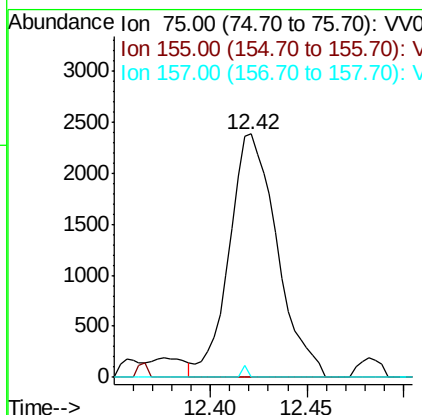
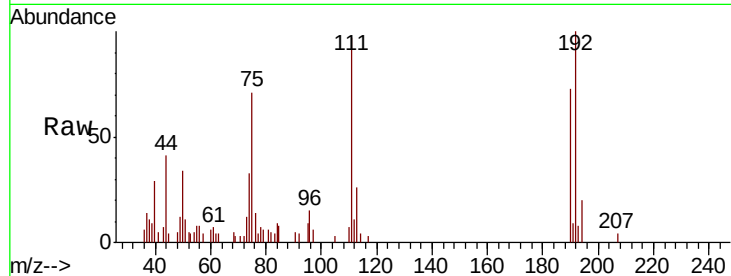




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.778 ug/L
 RT: 12.42 min Scan# 3524
 Delta R.T. -0.03 min
 Lab File: VV015343.D
 Acq: 01 Apr 2020 20:39

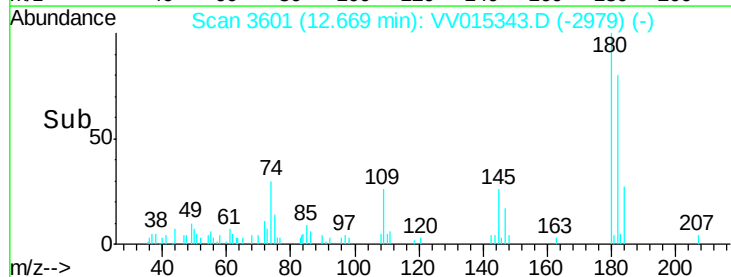
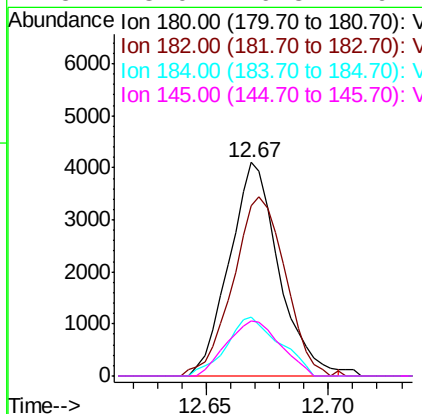
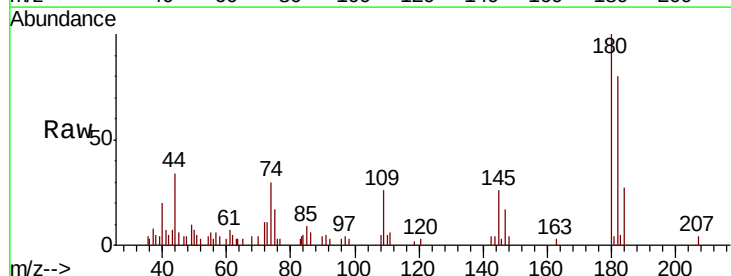
Instrument :
 MSVOA_V
 ClientSampleId :

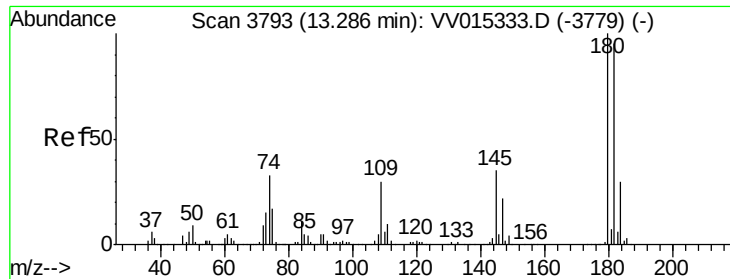
Tot Ion: 75 Resp: 4095
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.5 96.7#
 157 0.0 79.8 119.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.763 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015343.D
 Acq: 01 Apr 2020 20:39

Tgt Ion: 180 Resp: 5787
 Ion Ratio Lower Upper
 180 100
 182 87.9 74.7 112.1
 184 29.6 23.7 35.5
 145 28.0 26.8 40.2

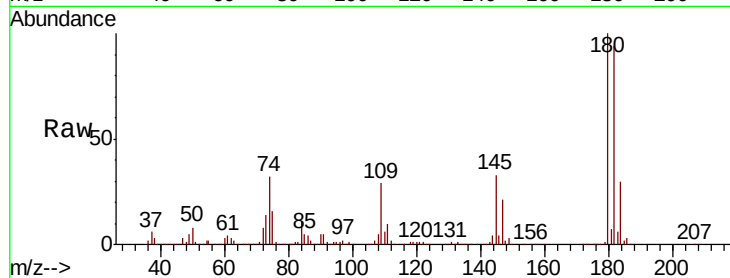




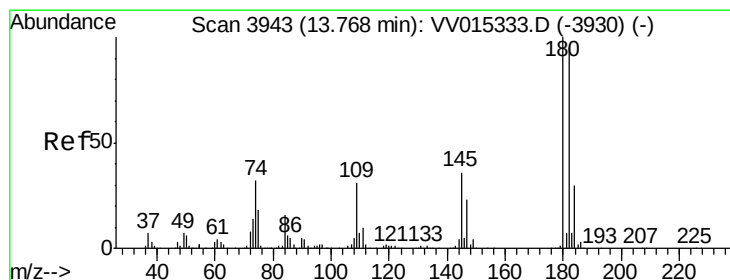
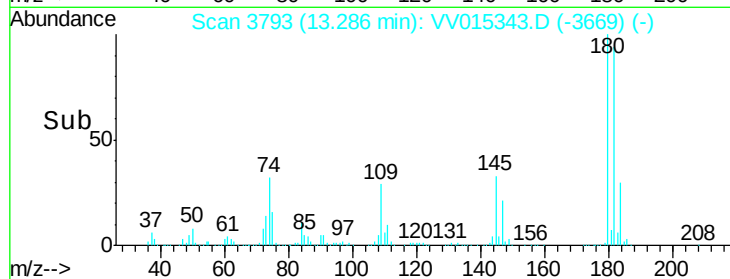
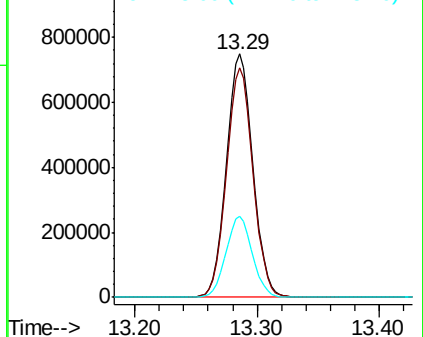
#68
 1,2,4-trichlorobenzene
 Concen: 164.004 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015343.D
 Acq: 01 Apr 2020 20:39

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 1135552
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.8 113.8
 145 33.2 27.7 41.5

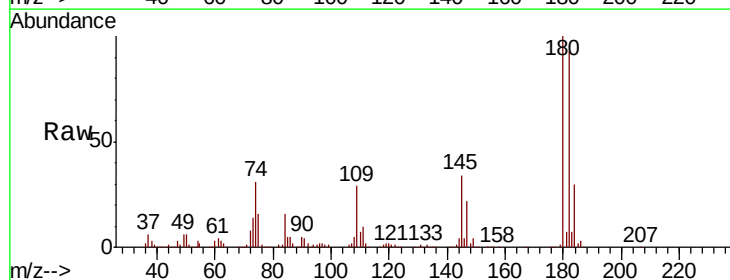


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 62.514 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015343.D
 Acq: 01 Apr 2020 20:39

Tgt Ion:180 Resp: 445862
 Ion Ratio Lower Upper
 180 100
 182 93.1 76.1 114.1
 145 34.8 28.2 42.4



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

