

Data File : VV015120.D
Acq On : 24 Mar 2020 13:48
Operator : SY/MD
Sample : L1968-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DD4

Quant Time: Mar 25 01:14:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 25 01:10:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	747754	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	712511	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	330385	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	267864	38.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.56%
7) Chloroethane-d5	1.58	69	242790	41.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.06%
11) 1,1-Dichloroethene-d2	2.12	63	395203	34.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.54%
21) 2-Butanone-d5	3.93	46	366345	81.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.40%
24) Chloroform-d	4.38	84	436552	41.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.62%
26) 1,2-Dichloroethane-d4	5.06	65	281684	42.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.74%
32) Benzene-d6	5.08	84	897870	41.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.22%
36) 1,2-Dichloropropane-d6	6.09	67	290029	41.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.12%
41) Toluene-d8	7.34	98	869679	43.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.92%
43) trans-1,3-Dichloropropene-	7.64	79	154394	41.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.78%
47) 2-Hexanone-d5	8.11	63	294107	82.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	405132	40.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	321260	43.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.10%

Target Compounds

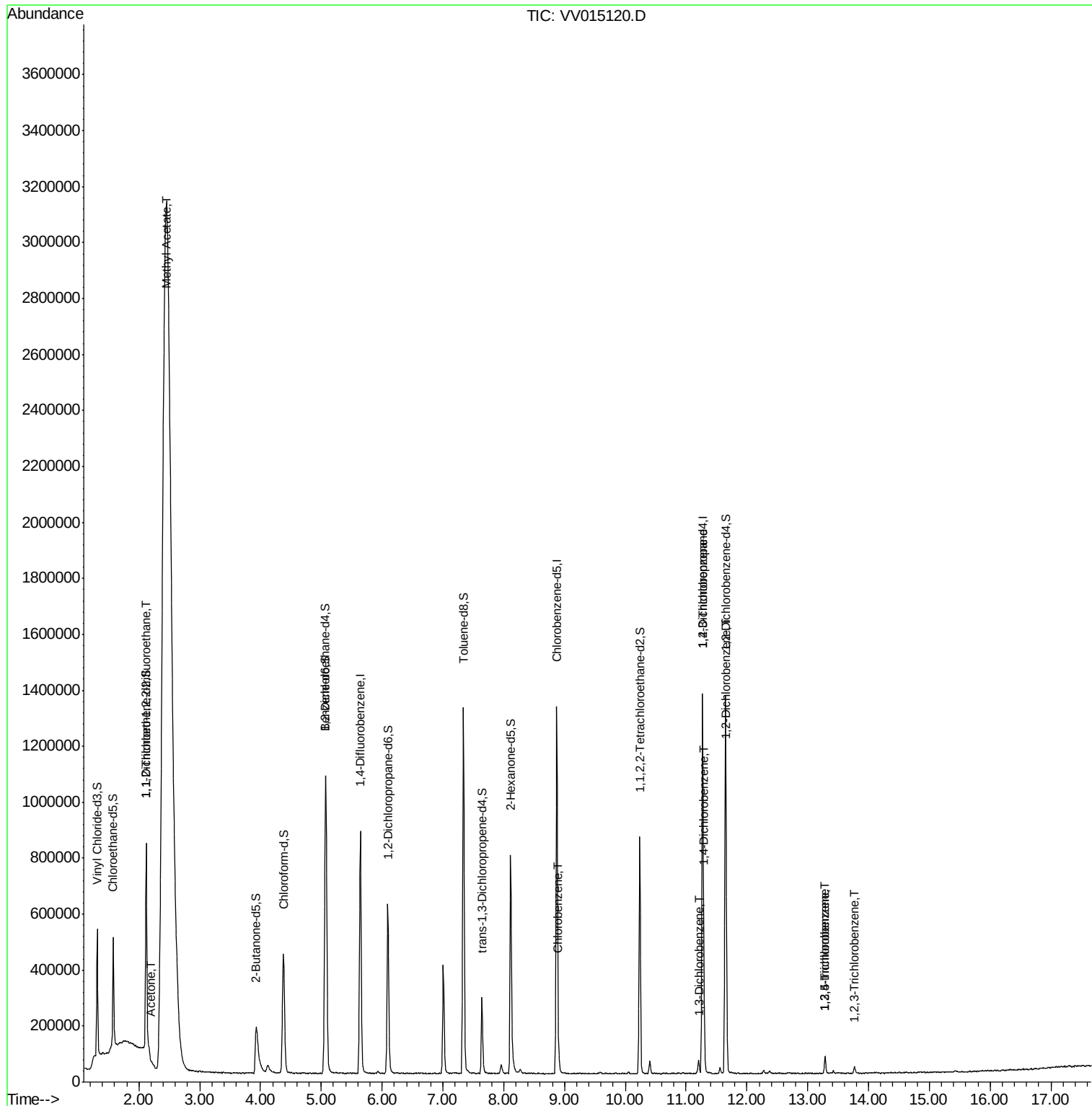
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4004	0.889 ug/L #	38
13) Acetone	2.21	43	21886	6.208 ug/L	59
15) Methyl Acetate	2.45	43	3900157	618.985 ug/L #	52
51) Chlorobenzene	8.90	112	25400	1.718 ug/L	92
59) 1,2,3-Trichloropropane	11.27	75	45390	5.874 ug/L	96
62) 1,3-Dichlorobenzene	11.21	146	19230	1.751 ug/L	91
63) 1,4-Dichlorobenzene	11.30	146	98531	8.875 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	82020	7.166 ug/L	98
67) 1,3,5-Trichlorobenzene	13.29	180	17221	2.288 ug/L	94
68) 1,2,4-trichlorobenzene	13.29	180	17221	2.410 ug/L	94
70) 1,2,3-Trichlorobenzene	13.77	180	6480	0.880 ug/L	91

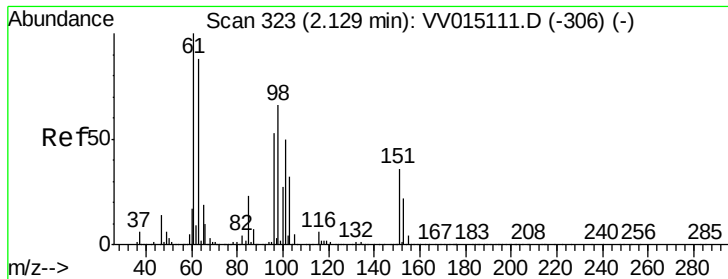
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.889 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015120.D

Acq: 24 Mar 2020 13:48

Instrument :

MSVOA_V

ClientSampled :

C0DD4

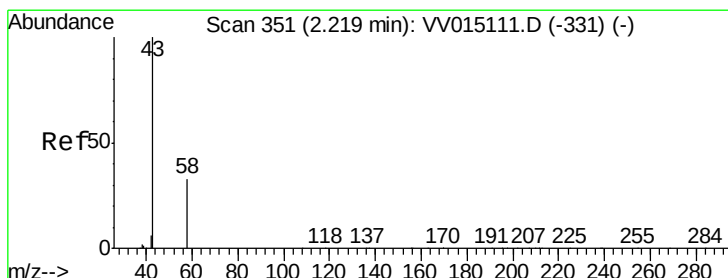
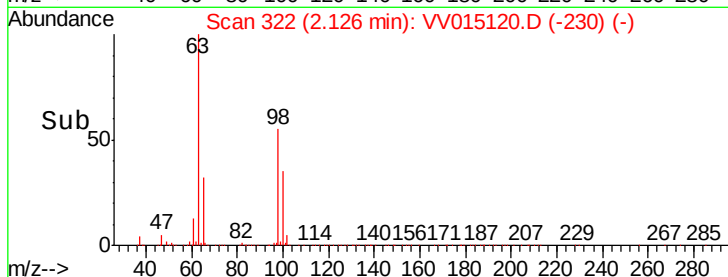
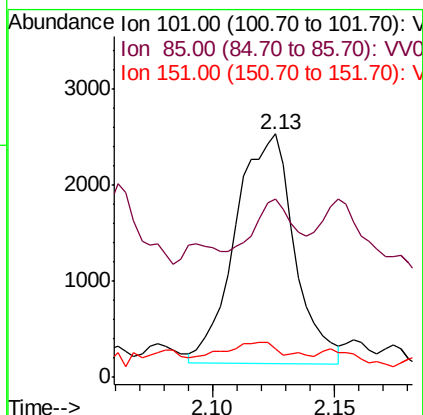
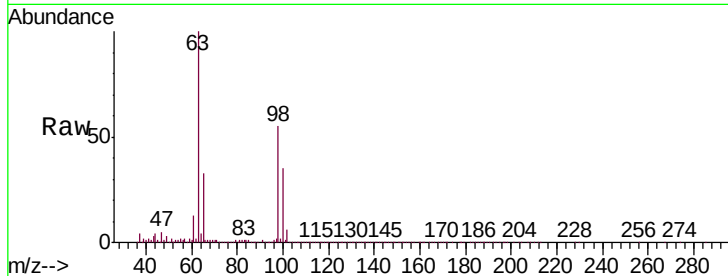
Tgt Ion:101 Resp: 4004

Ion Ratio Lower Upper

101 100

85 15.5 37.2 55.8#

151 10.9 56.3 84.5#



#13

Acetone

Concen: 6.208 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV015120.D

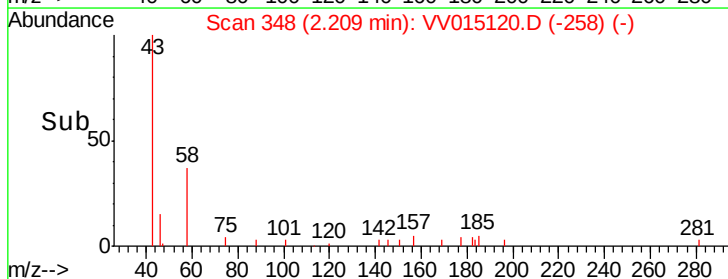
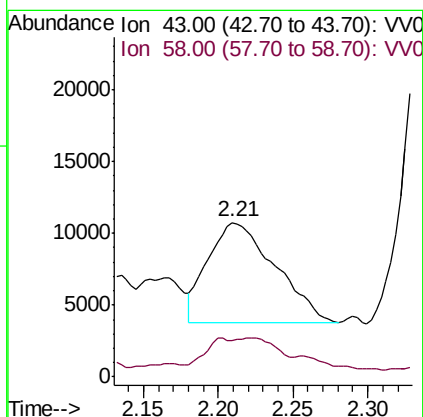
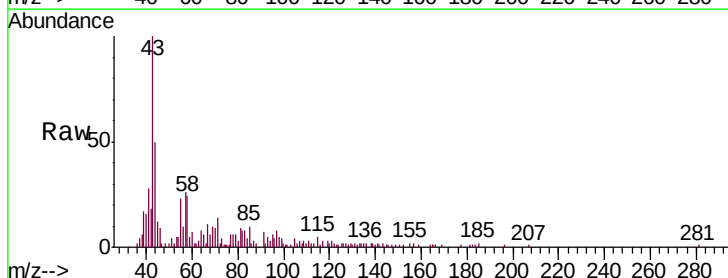
Acq: 24 Mar 2020 13:48

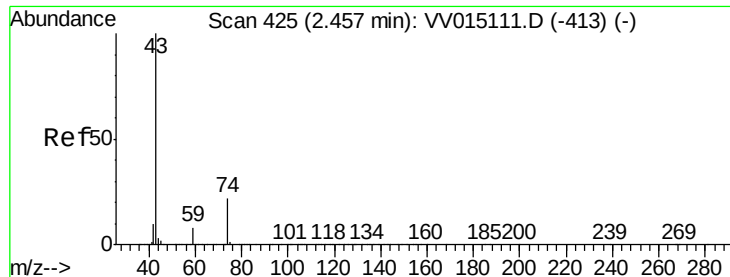
Tgt Ion: 43 Resp: 21886

Ion Ratio Lower Upper

43 100

58 9.5 0.0 64.2

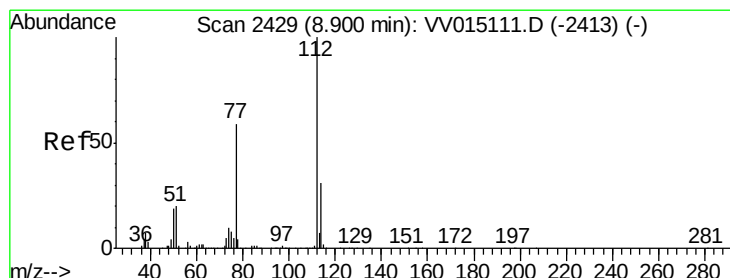
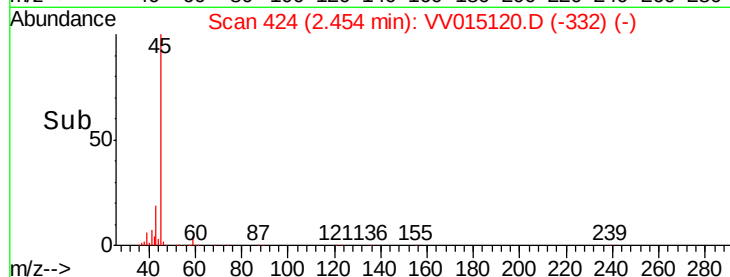
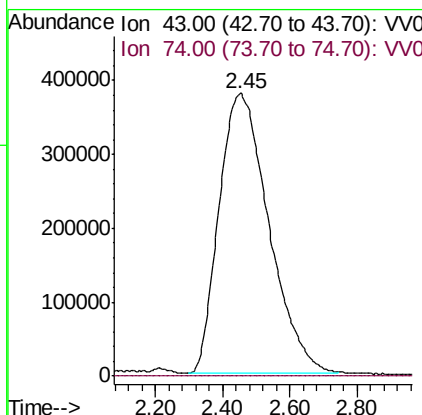
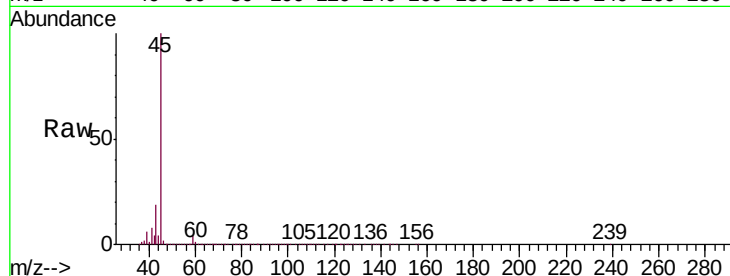




#15
Methyl Acetate
Concen: 618.985 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV015120.D
Acq: 24 Mar 2020 13:48

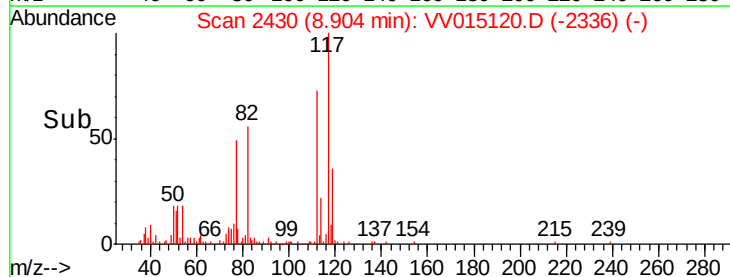
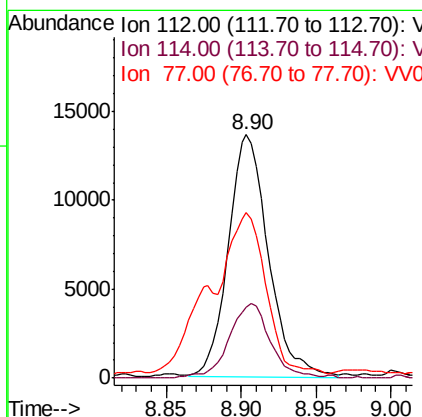
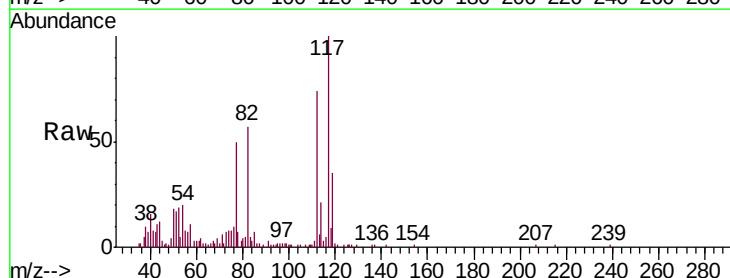
Instrument :
MSVOA_V
ClientSampled :
C0DD4

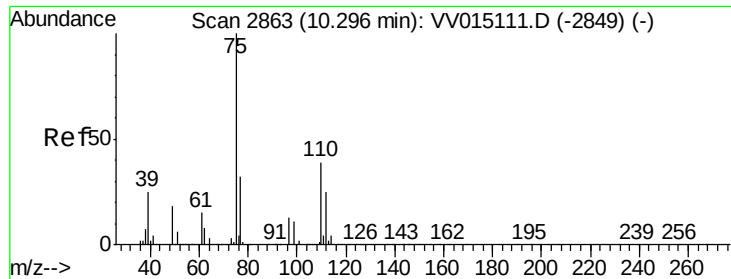
Tgt Ion: 43 Resp: 3900157
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#51
Chlorobenzene
Concen: 1.718 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015120.D
Acq: 24 Mar 2020 13:48

Tgt Ion: 112 Resp: 25400
Ion Ratio Lower Upper
112 100
114 29.1 22.3 41.3
77 68.0 48.1 72.1

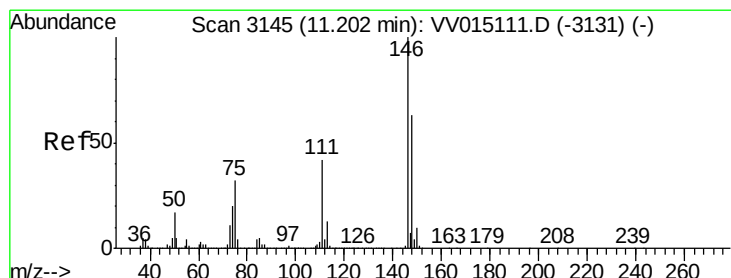
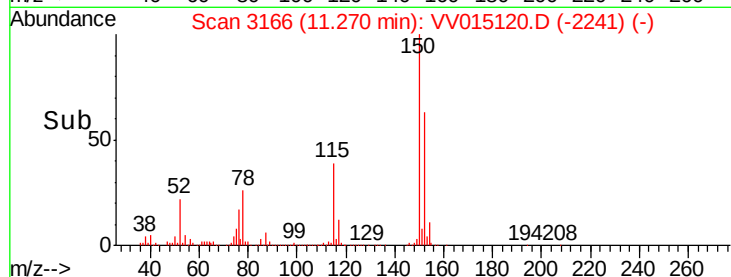
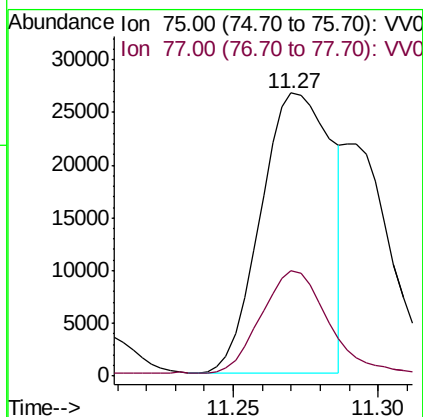
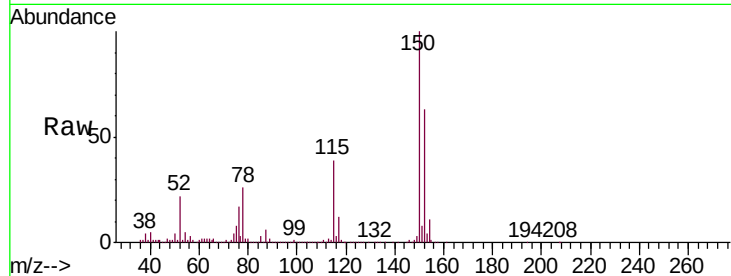




#59
 1,2,3-Trichloropropane
 Concen: 5.874 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.97 min
 Lab File: VV015120.D
 Acq: 24 Mar 2020 13:48

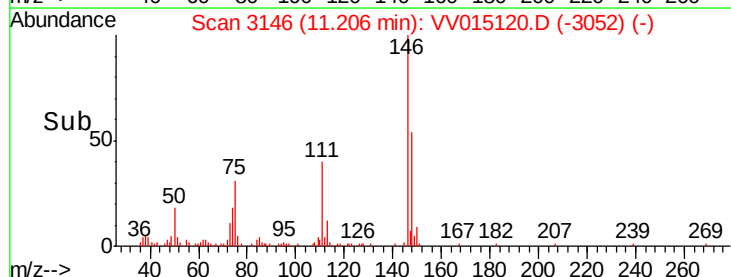
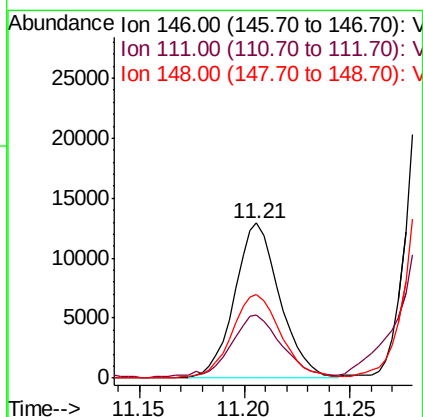
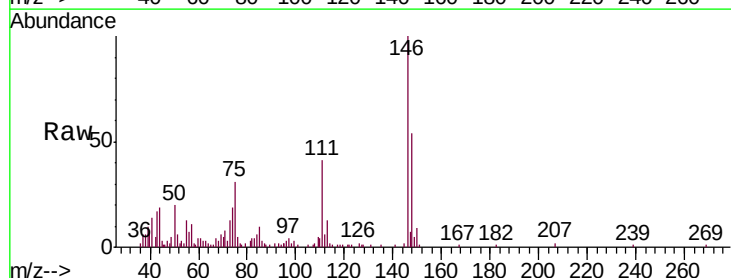
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD4

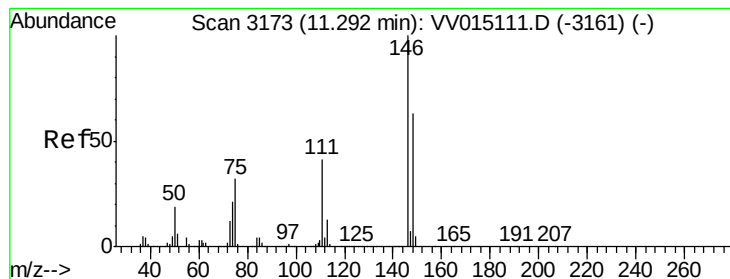
Tgt Ion: 75 Resp: 45390
 Ion Ratio Lower Upper
 75 100
 77 34.6 25.8 38.8



#62
 1,3-Dichlorobenzene
 Concen: 1.751 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015120.D
 Acq: 24 Mar 2020 13:48

Tgt Ion: 146 Resp: 19230
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.7 55.1
 148 53.7 45.3 84.1





#63

1,4-Dichlorobenzene

Concen: 8.875 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015120.D

Acq: 24 Mar 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

C0DD4

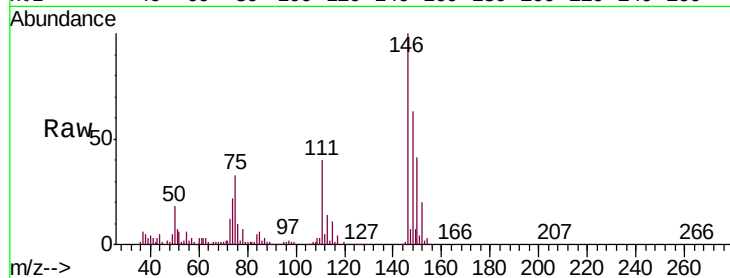
Tgt Ion:146 Resp: 98531

Ion Ratio Lower Upper

146 100

111 40.2 28.2 52.4

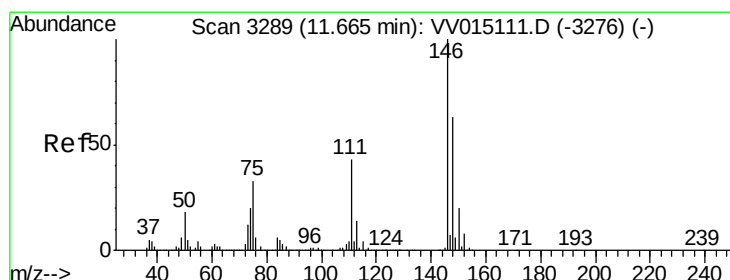
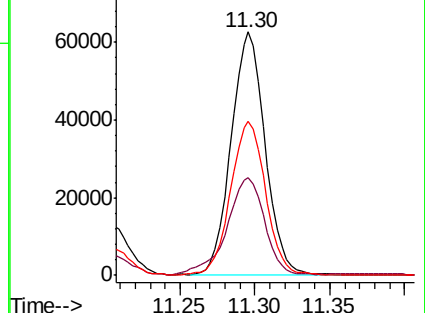
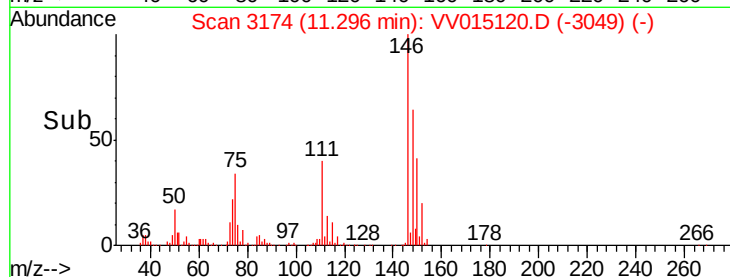
148 63.4 44.9 83.5



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



#65

1,2-Dichlorobenzene

Concen: 7.166 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015120.D

Acq: 24 Mar 2020 13:48

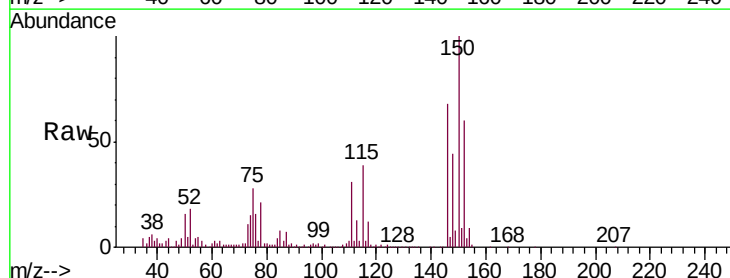
Tgt Ion:146 Resp: 82020

Ion Ratio Lower Upper

146 100

111 45.7 35.2 52.8

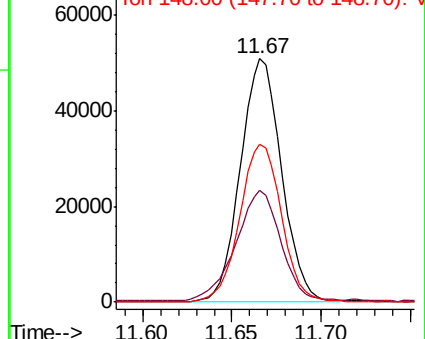
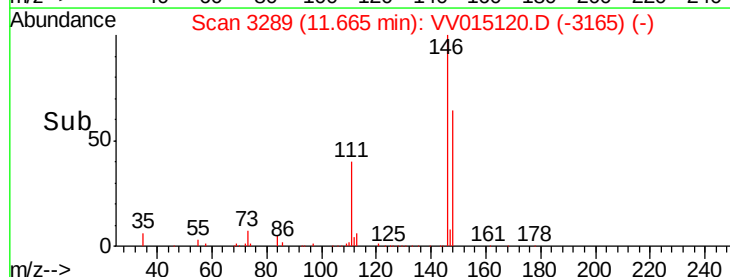
148 64.8 50.6 75.8

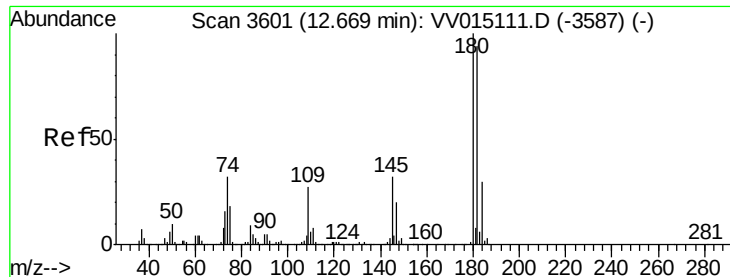


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

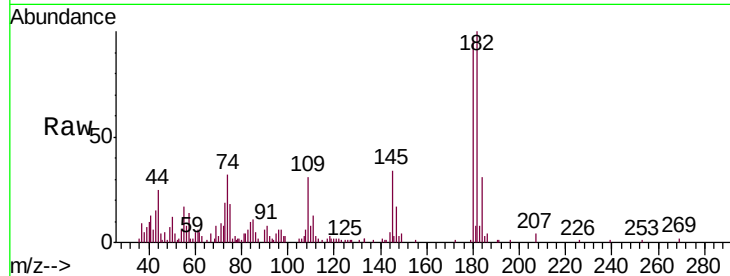




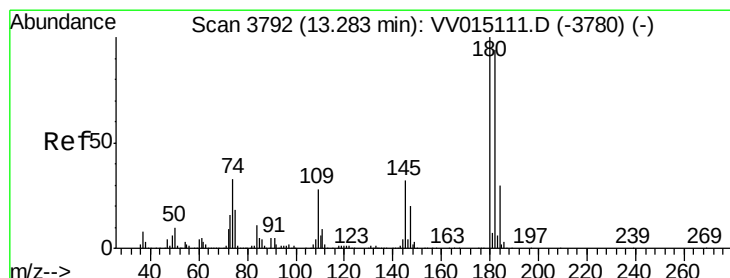
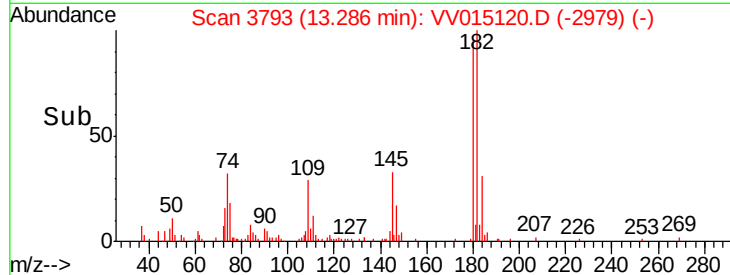
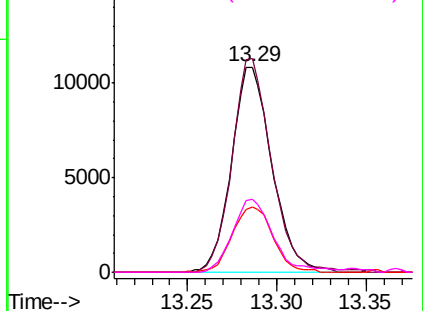
#67
 1,3,5-Trichlorobenzene
 Concen: 2.288 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015120.D
 Acq: 24 Mar 2020 13:48

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD4

Tgt Ion:180	Resp:	17221
Ion Ratio	Lower	Upper
180	100	
182	100.7	75.9 113.9
184	32.2	23.7 35.5
145	35.6	25.8 38.6

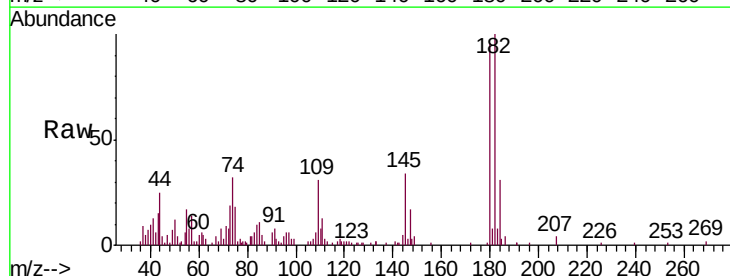


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

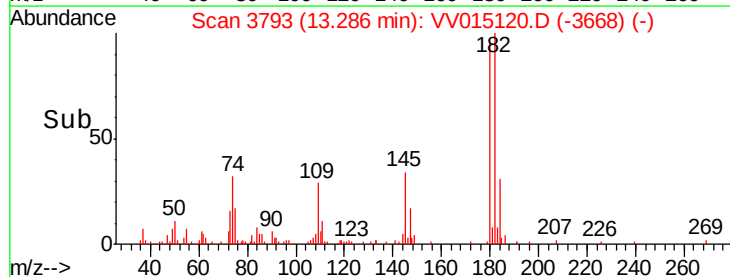
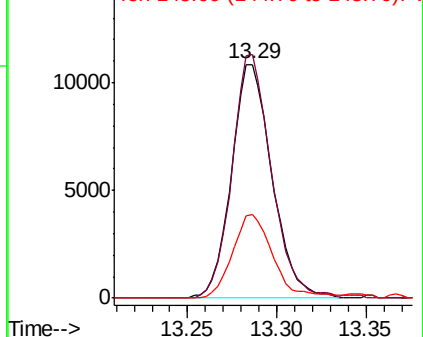


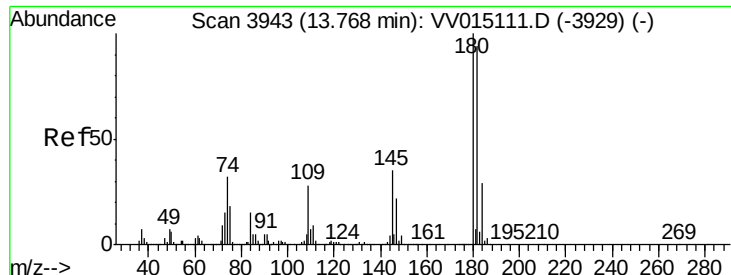
#68
 1,2,4-trichlorobenzene
 Concen: 2.410 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015120.D
 Acq: 24 Mar 2020 13:48

Tgt Ion:180	Resp:	17221
Ion Ratio	Lower	Upper
180	100	
182	100.7	75.5 113.3
145	35.6	26.4 39.6



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

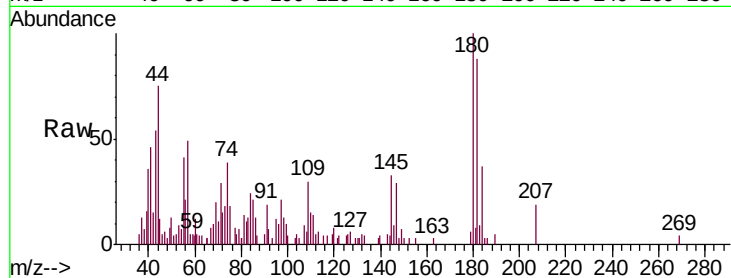




#70
 1,2,3-Trichlorobenzene
 Concen: 0.880 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015120.D
 Acq: 24 Mar 2020 13:48

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD4

Tgt Ion:180 Resp: 6480
 Ion Ratio Lower Upper
 180 100
 182 83.9 76.6 115.0
 145 34.6 27.8 41.6



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

