

Data File : VV012742.D
Acq On : 13 Sep 2019 21:57
Operator : SY/MD
Sample : K4707-04 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0CJ5

Quant Time: Sep 14 00:23:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 14 00:19:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	824694	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	781841	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	342136	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	215366	46.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.16%
7) Chloroethane-d5	1.58	69	202649	48.45	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.90%
11) 1,1-Dichloroethene-d2	2.35	63	141	0.02	ug/L	0.23
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	3.92	46	477253	98.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.46%
24) Chloroform-d	4.40	84	533225	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
26) 1,2-Dichloroethane-d4	5.08	65	344436	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
32) Benzene-d6	5.10	84	1018537	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.64%
36) 1,2-Dichloropropane-d6	6.12	67	364637	49.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.06%
41) Toluene-d8	7.36	98	898967	47.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.66	79	145901	47.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.14%
47) 2-Hexanone-d5	8.13	63	277769	98.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	454162	48.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.44%
64) 1,2-Dichlorobenzene-d4	11.67	152	411210	52.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.32%

Target Compounds

					Qvalue
25) Chloroform	4.42	83	23602	2.187 ug/L	88
33) Benzene	5.14	78	1260889	59.290 ug/L	100
48) 2-Hexanone	8.18	43	32185	4.687 ug/L #	81
51) Chlorobenzene	8.92	112	3626187	239.649 ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	191707	18.141 ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	1854371	171.065 ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	2359921	212.386 ug/L	100
67) 1,3,5-Trichlorobenzene	13.31	180	451835	57.875 ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	451835	68.497 ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	147940	20.660 ug/L	97

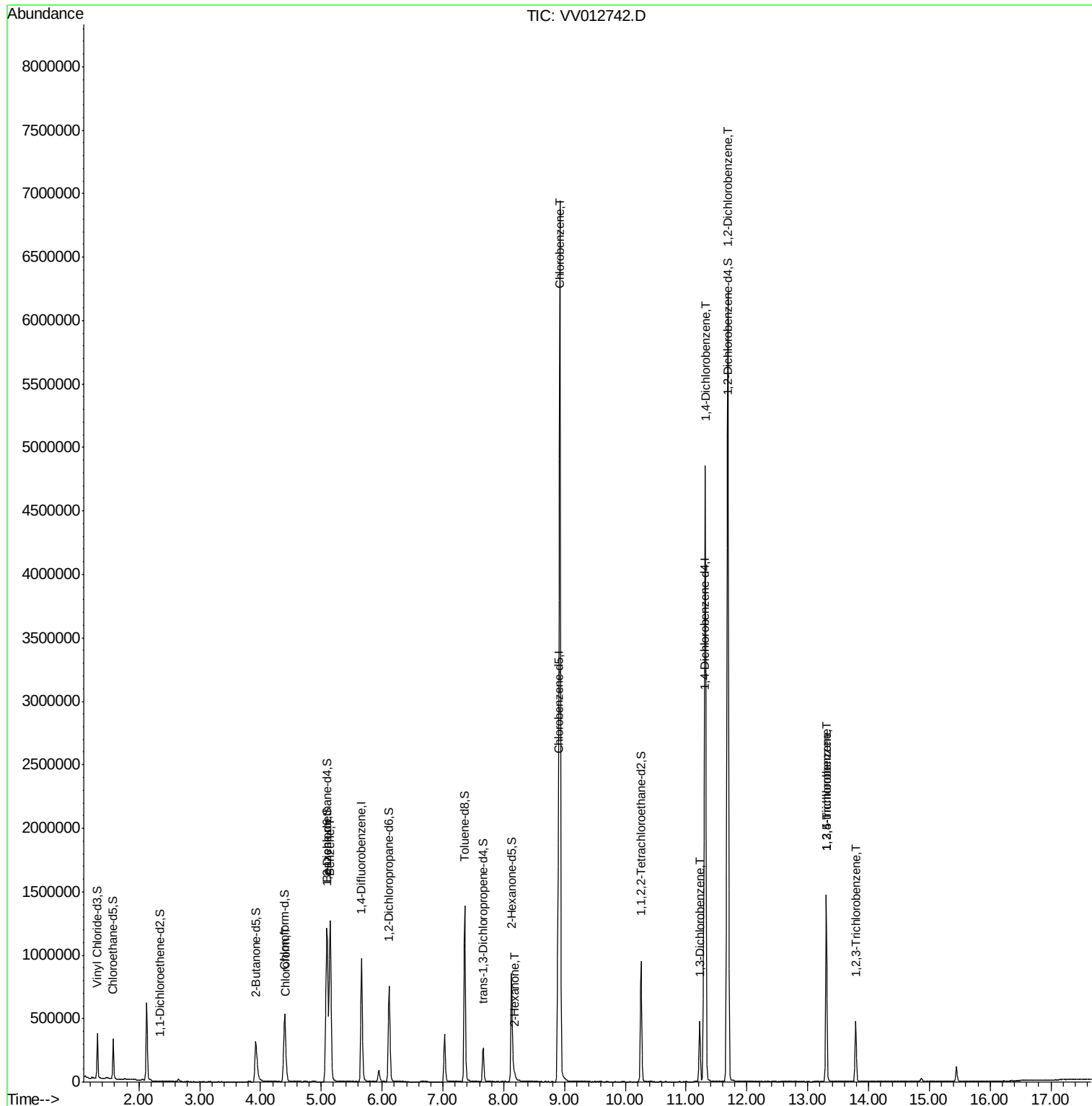
(#) = qualifier out of range (m) = manual integration (+) = signals summed

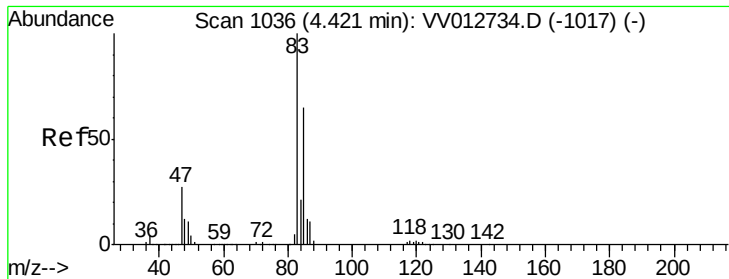
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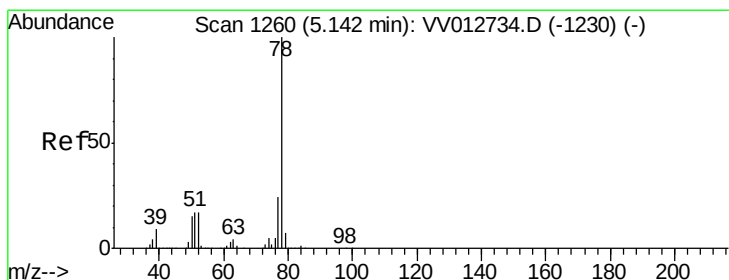
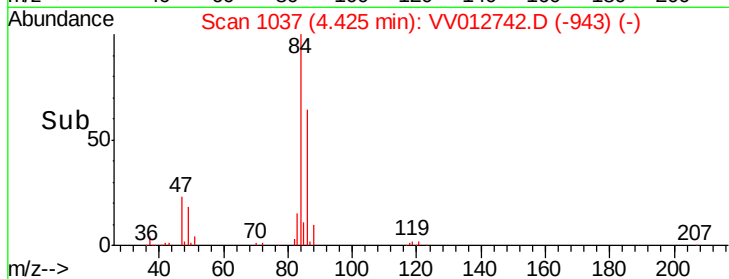
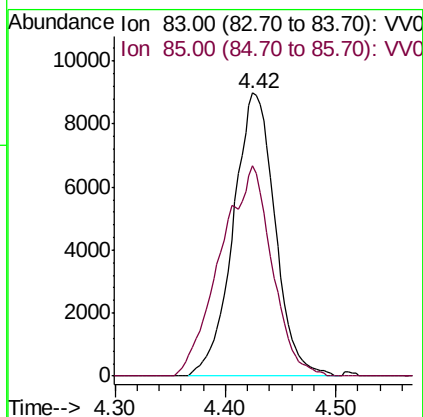
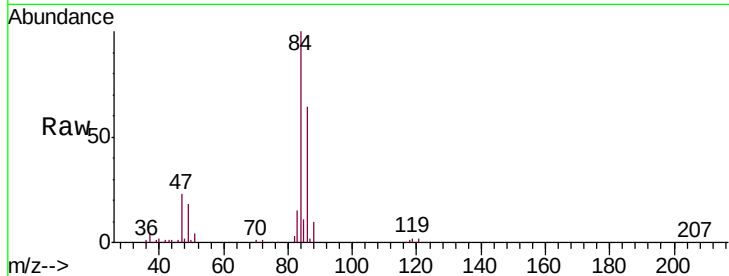




#25
Chloroform
Concen: 2.187 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012742.D
Acq: 13 Sep 2019 21:57

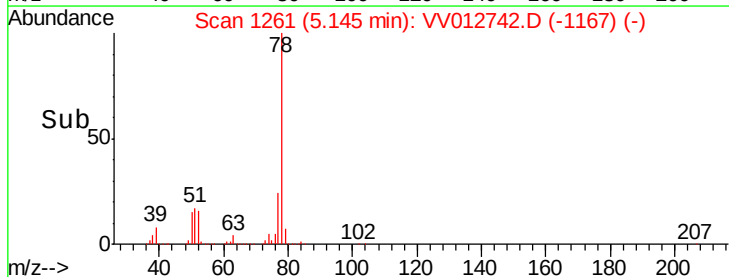
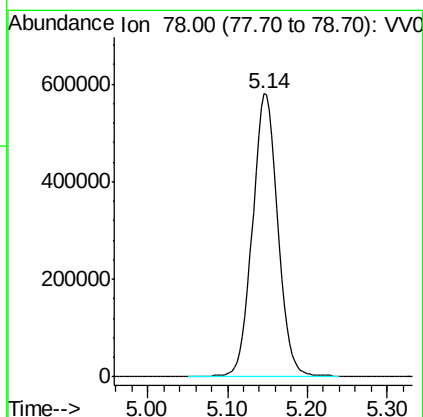
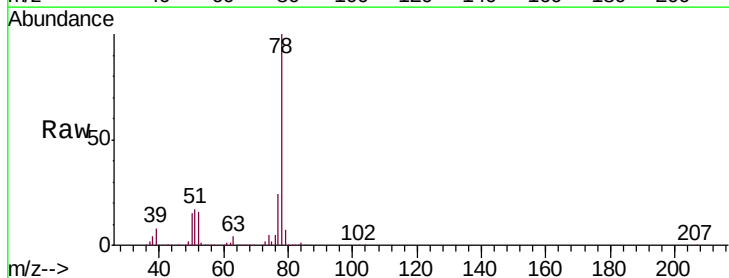
Instrument :
MSVOA_V
ClientSampleId :
C0CJ5

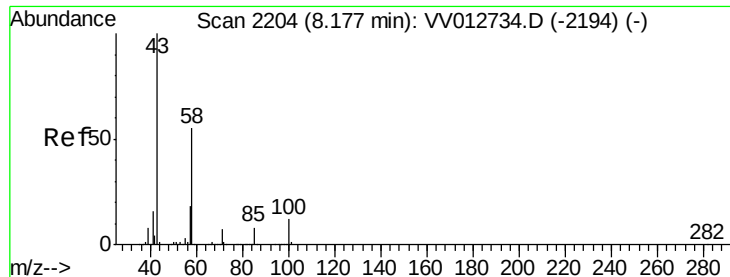
Tgt Ion: 83 Resp: 23602
Ion Ratio Lower Upper
83 100
85 74.2 45.1 83.9



#33
Benzene
Concen: 59.290 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012742.D
Acq: 13 Sep 2019 21:57

Tgt Ion: 78 Resp: 1260889

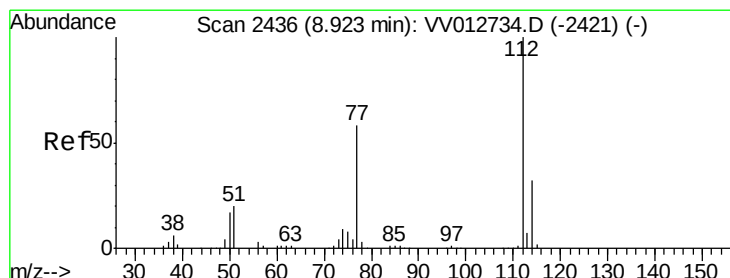
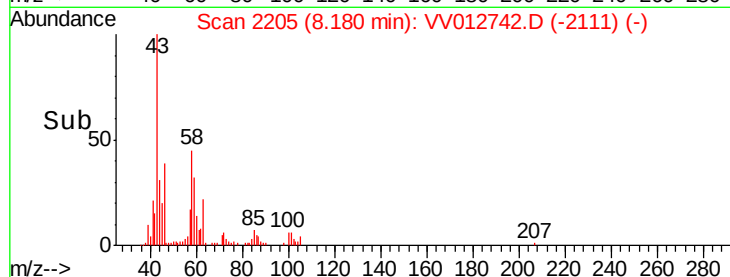
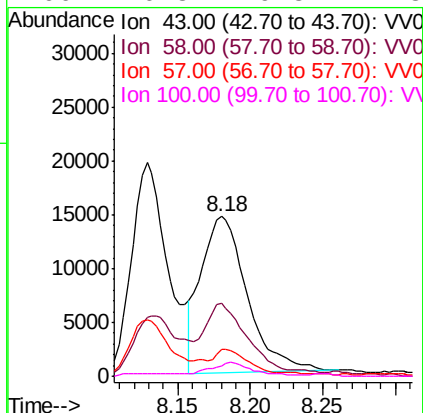
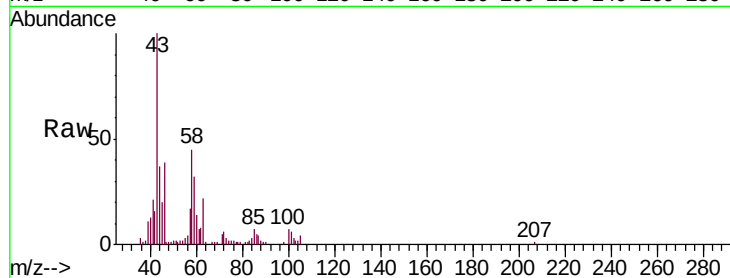




#48
2-Hexanone
Concen: 4.687 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012742.D
Acq: 13 Sep 2019 21:57

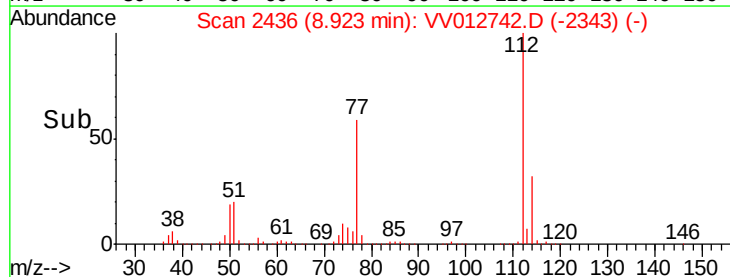
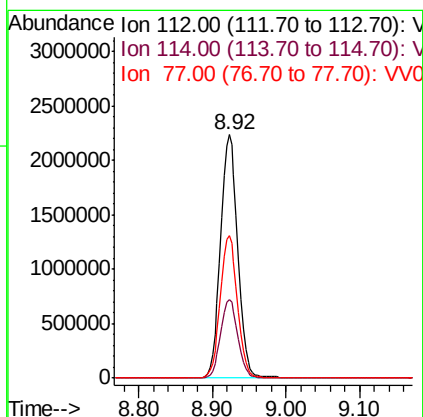
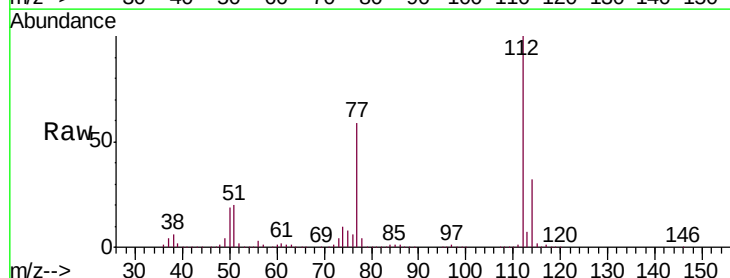
Instrument :
MSVOA_V
ClientSampleId :
C0CJ5

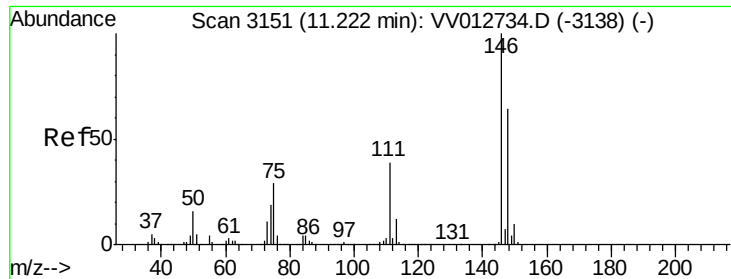
Tgt Ion:	43	Resp:	32185
Ion	Ratio	Lower	Upper
43	100		
58	38.8	43.8	65.8#
57	13.1	14.3	21.5#
100	6.8	9.8	14.8#



#51
Chlorobenzene
Concen: 239.649 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012742.D
Acq: 13 Sep 2019 21:57

Tgt Ion:	112	Resp:	3626187
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.4	41.6
77	58.7	46.7	70.1

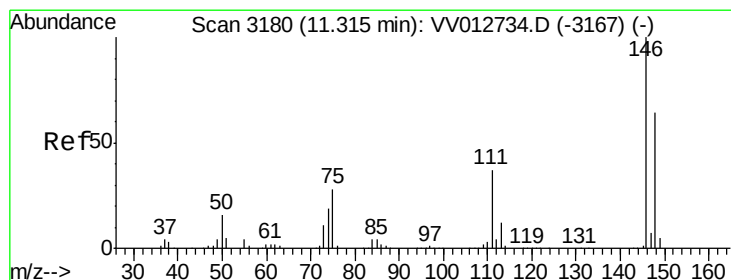
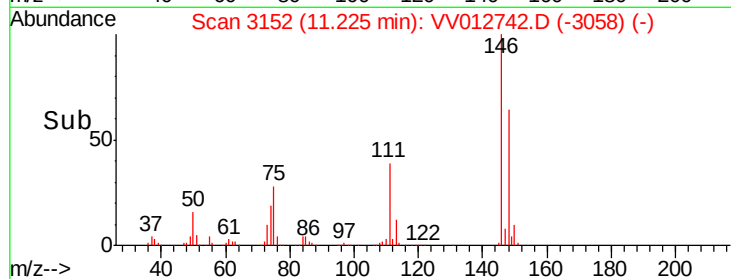
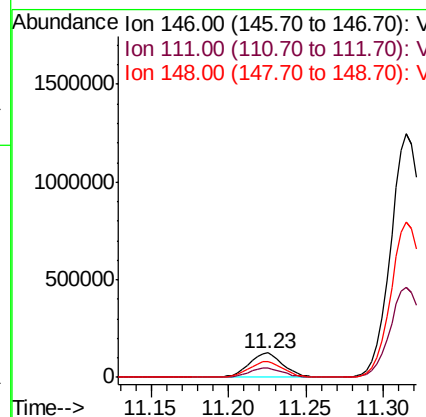
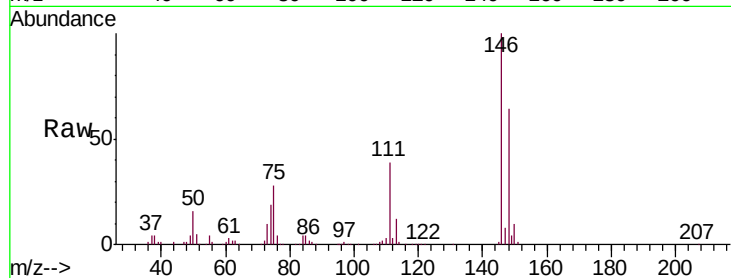




#62
 1,3-Dichlorobenzene
 Concen: 18.141 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012742.D
 Acq: 13 Sep 2019 21:57

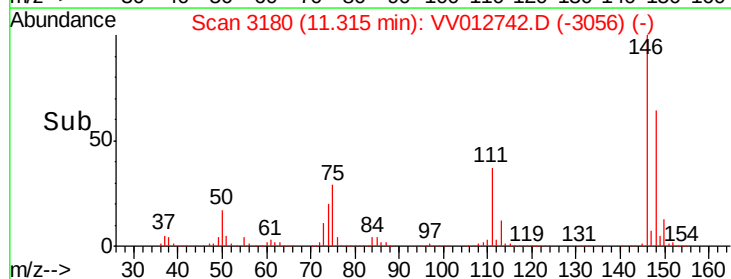
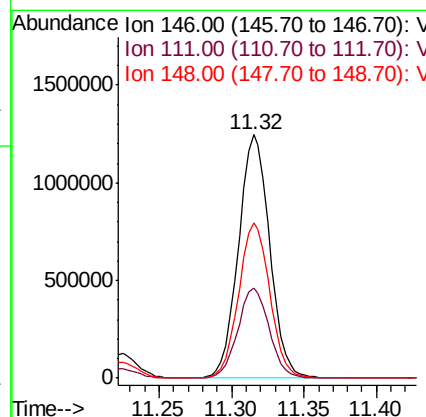
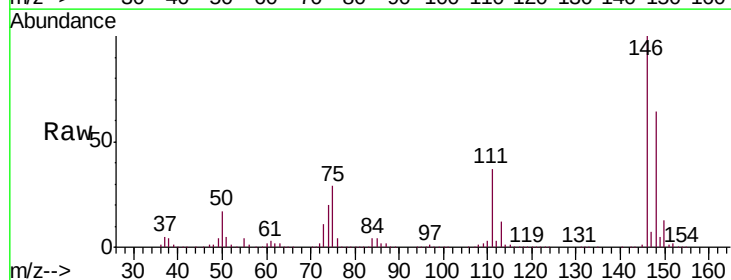
Instrument :
 MSVOA_V
 ClientSampleId :
 C0CJ5

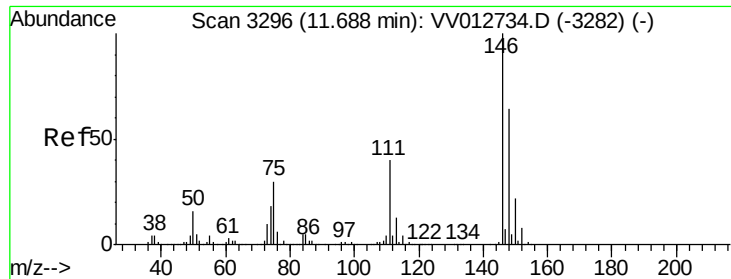
Tgt Ion:146 Resp: 191707
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.2 50.6
 148 64.4 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 171.065 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012742.D
 Acq: 13 Sep 2019 21:57

Tgt Ion:146 Resp: 1854371
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.2 48.8
 148 63.9 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 212.386 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012742.D

Acq: 13 Sep 2019 21:57

Instrument :

MSVOA_V

ClientSampleId :

C0CJ5

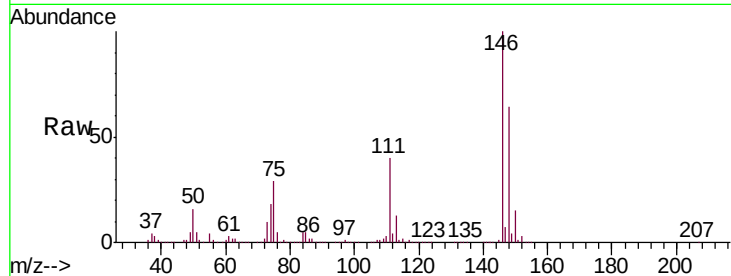
Tgt Ion:146 Resp: 2359921

Ion Ratio Lower Upper

146 100

111 40.5 32.2 48.2

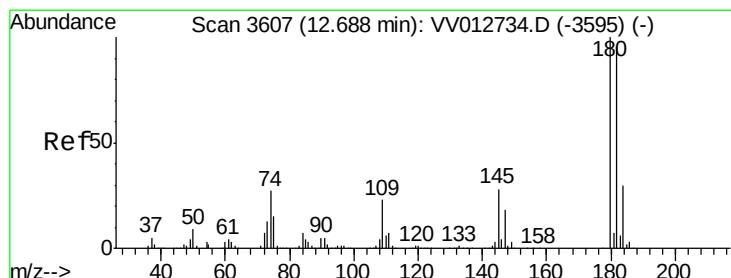
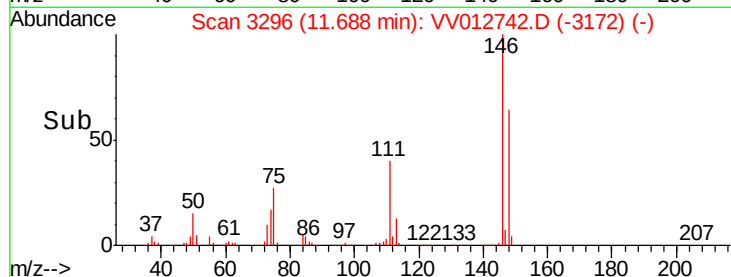
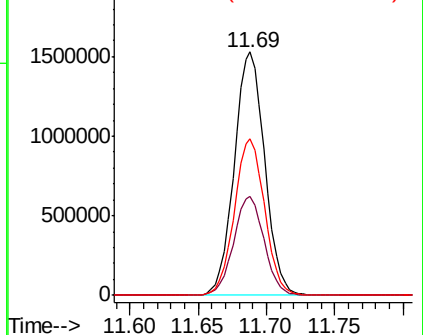
148 64.3 51.5 77.3



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: 57.875 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. 0.62 min

Lab File: VV012742.D

Acq: 13 Sep 2019 21:57

Tgt Ion:180 Resp: 451835

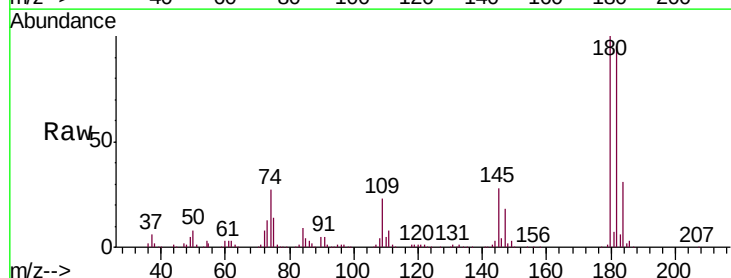
Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

184 30.4 24.4 36.6

145 28.2 22.6 33.8

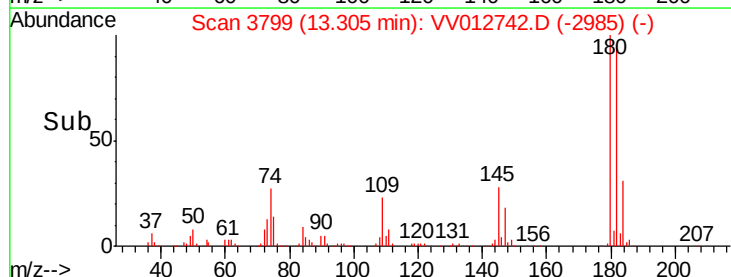
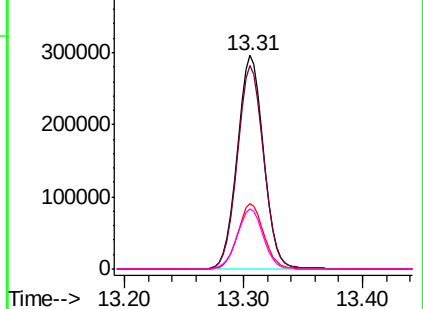


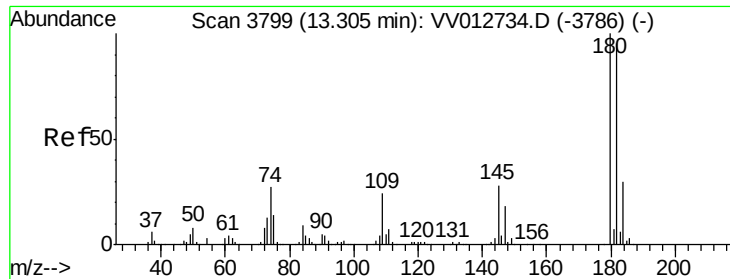
Abundance Ion 180.00 (179.70 to 180.70): V

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

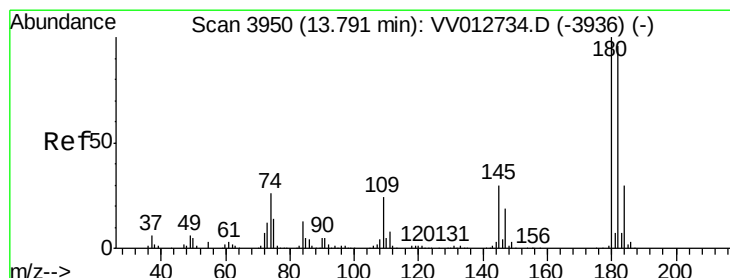
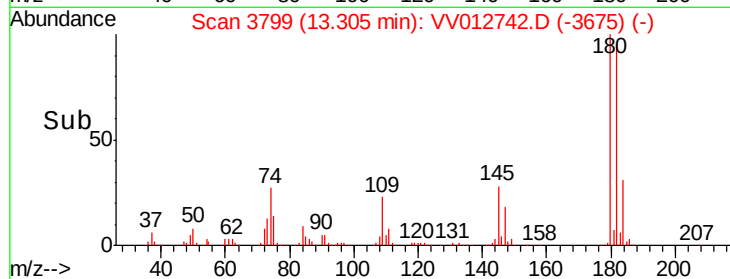
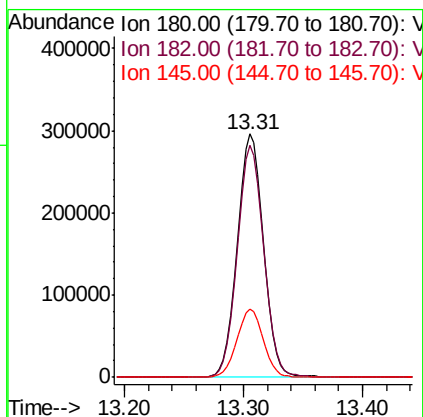
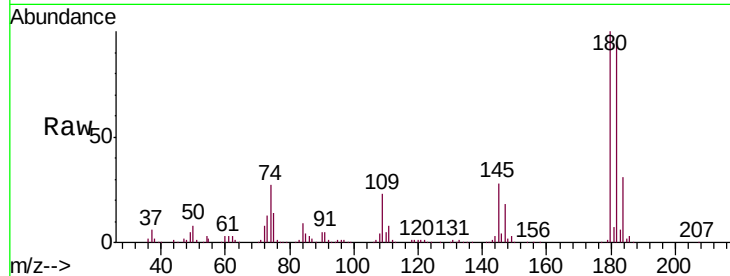




#68
 1,2,4-trichlorobenzene
 Concen: 68.497 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012742.D
 Acq: 13 Sep 2019 21:57

Instrument :
 MSVOA_V
 ClientSampleId :
 C0CJ5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
145	28.2	23.0	34.4



#70
 1,2,3-Trichlorobenzene
 Concen: 20.660 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VV012742.D
 Acq: 13 Sep 2019 21:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.6	113.4
145	31.4	24.2	36.2

