

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121819\
 Data File : VV014123.D
 Acq On : 18 Dec 2019 15:45
 Operator : SY/MD
 Sample : K6356-05 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0D40

Quant Time: Dec 19 08:19:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 19 07:06:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	755171	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	725813	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	343946	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	211201	48.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.72%
7) Chloroethane-d5	1.58	69	197131	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.48%
11) 1,1-Dichloroethene-d2	2.13	63	295675	30.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.22%
21) 2-Butanone-d5	3.92	46	310144	100.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.89%
24) Chloroform-d	4.40	84	432537	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
26) 1,2-Dichloroethane-d4	5.08	65	272037	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
32) Benzene-d6	5.10	84	846540	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.02%
36) 1,2-Dichloropropane-d6	6.11	67	266447	47.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.40%
41) Toluene-d8	7.36	98	704435	41.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.16%
43) trans-1,3-Dichloropropene-	7.66	79	114266	41.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.18%
47) 2-Hexanone-d5	8.13	63	208111	98.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	341907	41.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.66%
64) 1,2-Dichlorobenzene-d4	11.67	152	310495	45.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.92%

Target Compounds

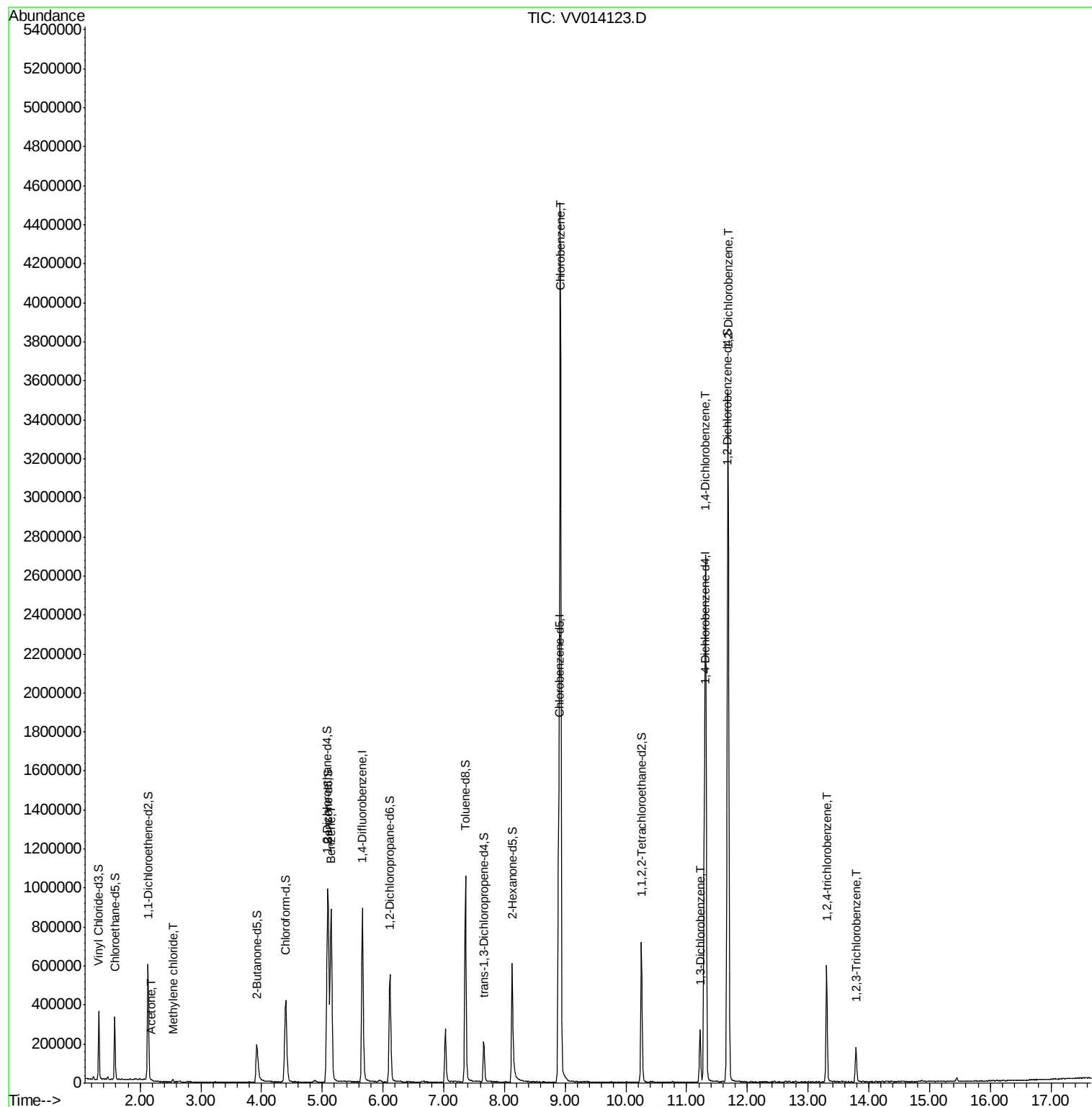
					Ovalue
13) Acetone	2.18	43	6380	1.416 ug/L	99
16) Methylene chloride	2.54	84	5765	1.009 ug/L	96
33) Benzene	5.14	78	871790	40.333 ug/L	100
51) Chlorobenzene	8.92	112	2383315	154.901 ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	113972	10.099 ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	1081116	92.662 ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	1382856	122.496 ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	200110	24.199 ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	58512	6.766 ug/L	98

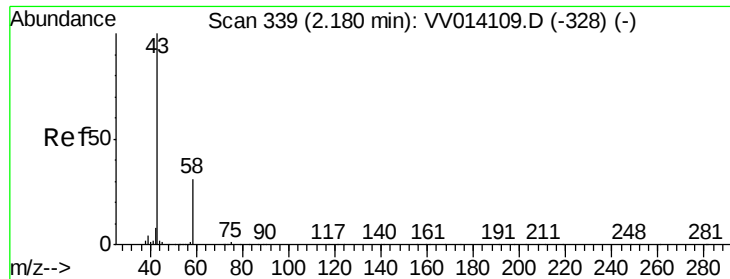
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.416 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014123.D

Acq: 18 Dec 2019 15:45

Instrument :

MSVOA_V

ClientSampleId :

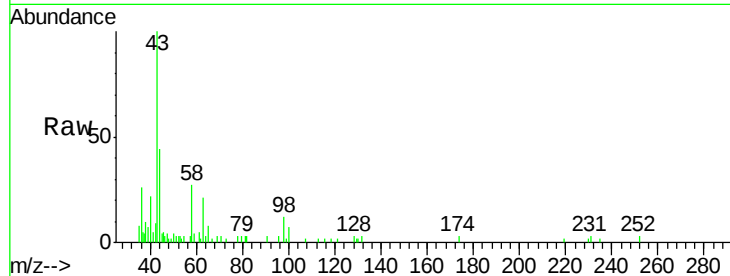
C0D40

Tot Ion: 43 Resp: 6380

Ion Ratio Lower Upper

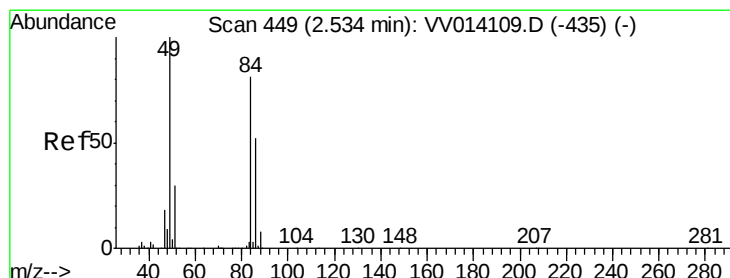
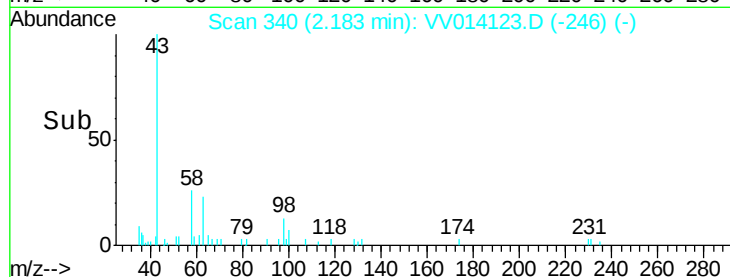
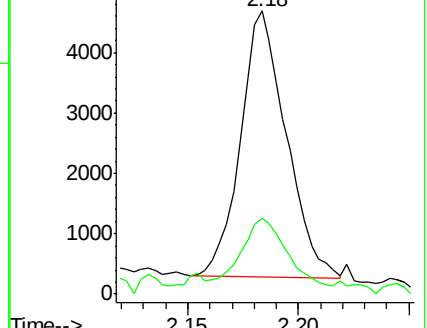
43 100

58 29.7 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV014109.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV014109.D (-328) (-)



#16

Methylene chloride

Concen: 1.009 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014123.D

Acq: 18 Dec 2019 15:45

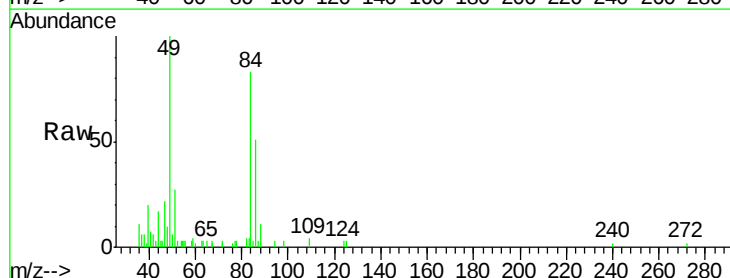
Tgt Ion: 84 Resp: 5765

Ion Ratio Lower Upper

84 100

86 61.7 43.9 81.5

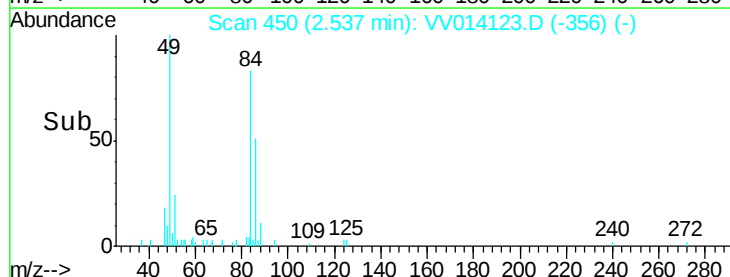
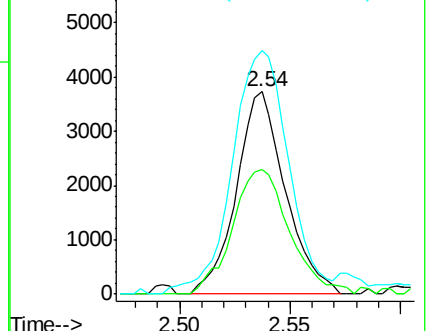
49 120.2 79.7 147.9

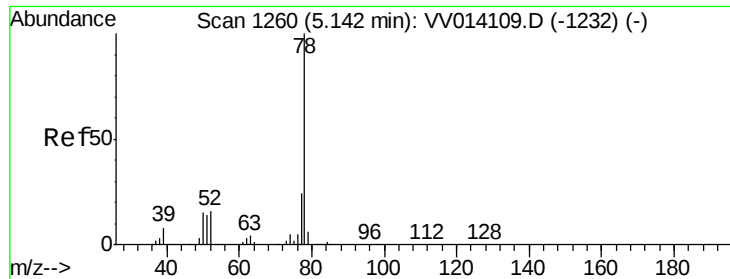


Abundance Ion 84.00 (83.70 to 84.70): VV014109.D (-435) (-)

Ion 86.00 (85.70 to 86.70): VV014109.D (-435) (-)

Ion 49.00 (48.70 to 49.70): VV014109.D (-435) (-)





#33

Benzene

Concen: 40.333 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV014123.D

Acq: 18 Dec 2019 15:45

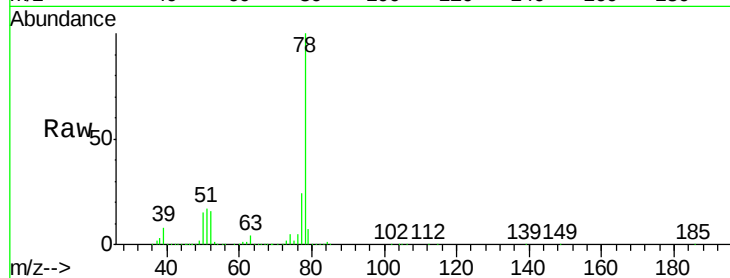
Instrument :

MSVOA_V

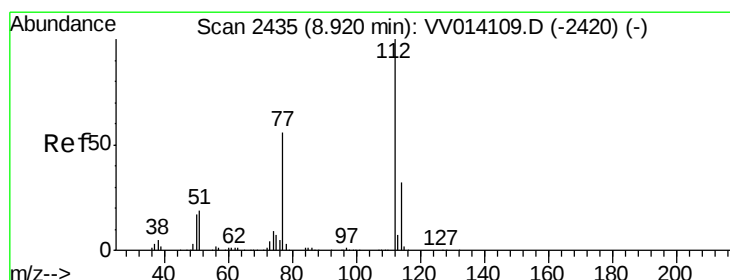
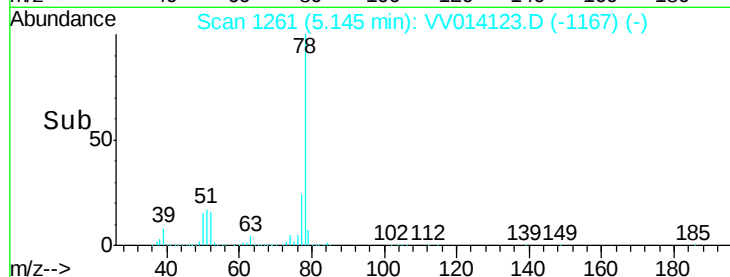
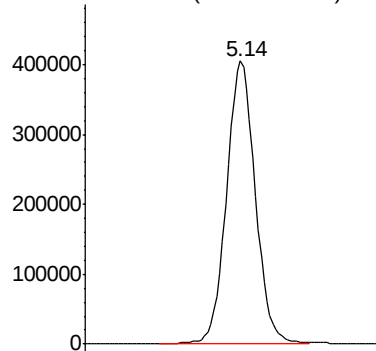
ClientSampleId :

C0D40

Tgt Ion: 78 Resp: 871790



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 154.901 ug/L

RT: 8.92 min Scan# 2435

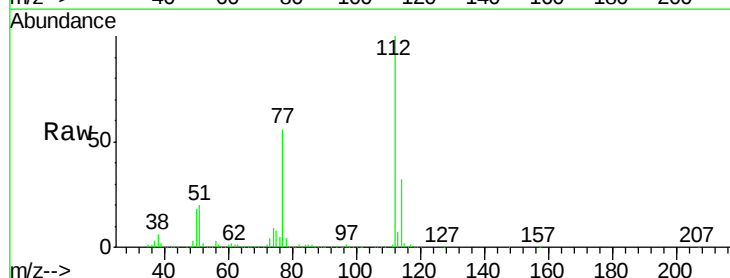
Delta R.T. -0.00 min

Lab File: VV014123.D

Acq: 18 Dec 2019 15:45

Tgt Ion: 112 Resp: 2383315

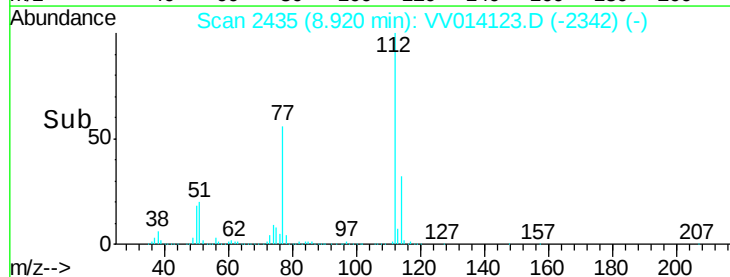
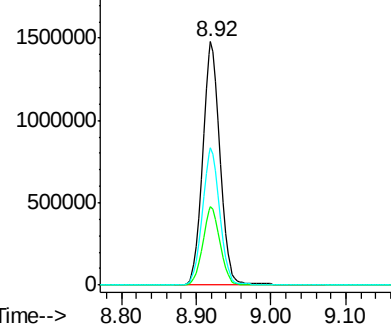
Ion	Ratio	Lower	Upper
112	100		
114	32.4	23.2	43.2
77	56.5	45.0	67.4

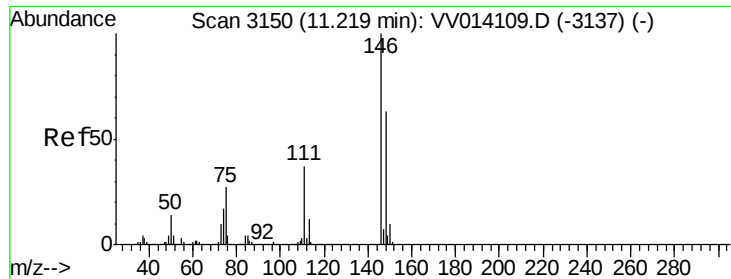


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 10.099 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014123.D

Acq: 18 Dec 2019 15:45

Instrument :

MSVOA_V

ClientSampleId :

C0D40

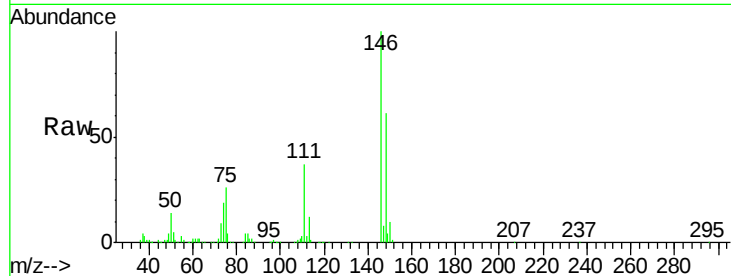
Tot Ion:146 Resp: 113972

Ion Ratio Lower Upper

146 100

111 36.7 25.8 48.0

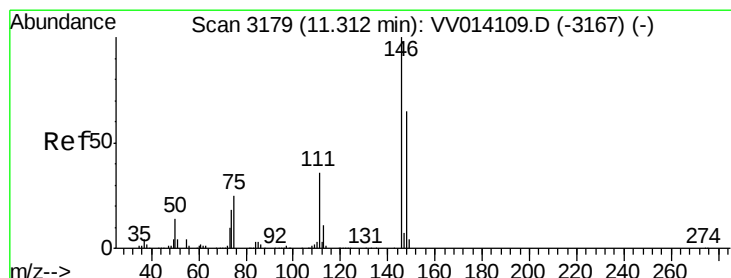
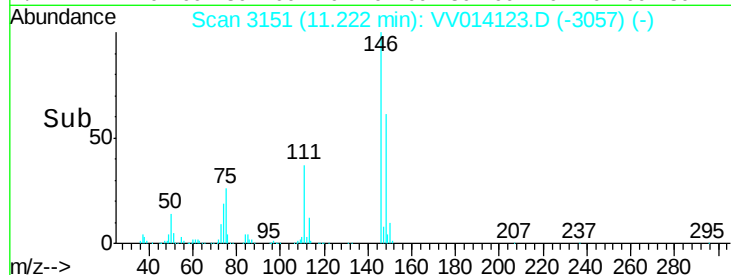
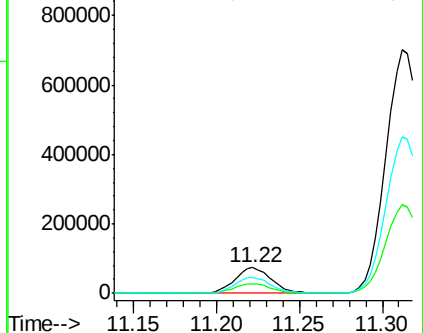
148 61.5 45.2 84.0



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: 92.662 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014123.D

Acq: 18 Dec 2019 15:45

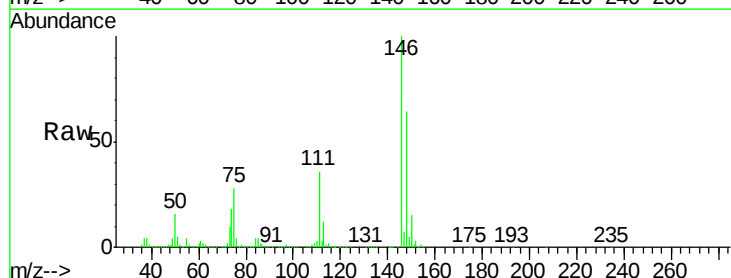
Tgt Ion:146 Resp: 1081116

Ion Ratio Lower Upper

146 100

111 36.3 25.4 47.2

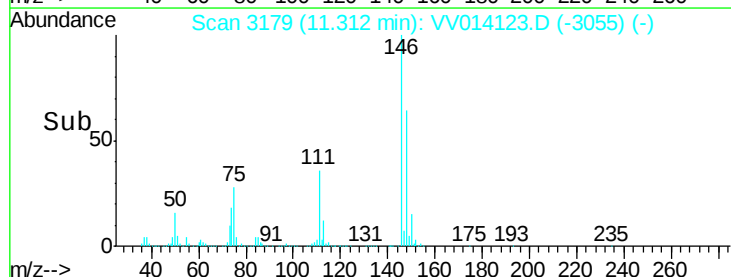
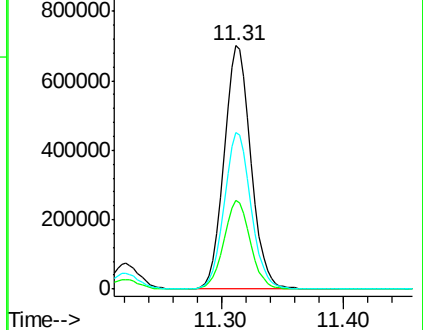
148 64.1 44.9 83.5

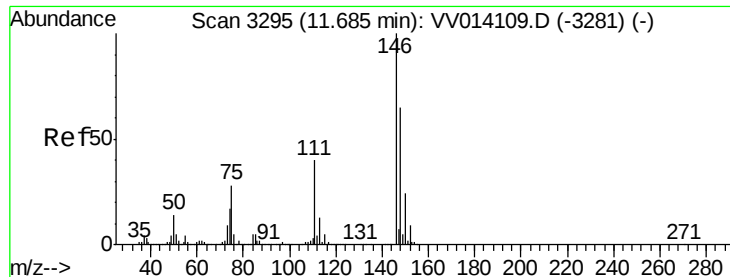


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 122.496 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014123.D

Acq: 18 Dec 2019 15:45

Instrument :

MSVOA_V

ClientSampleId :

C0D40

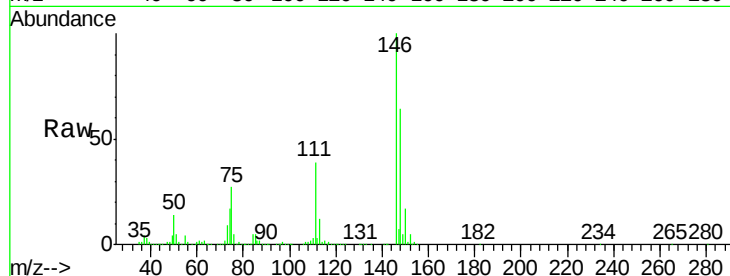
Tot Ion:146 Resp: 1382856

Ion Ratio Lower Upper

146 100

111 38.8 31.4 47.0

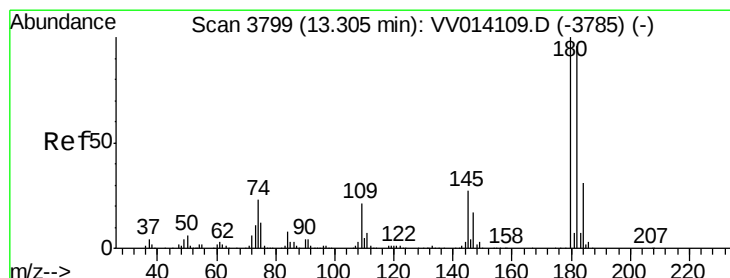
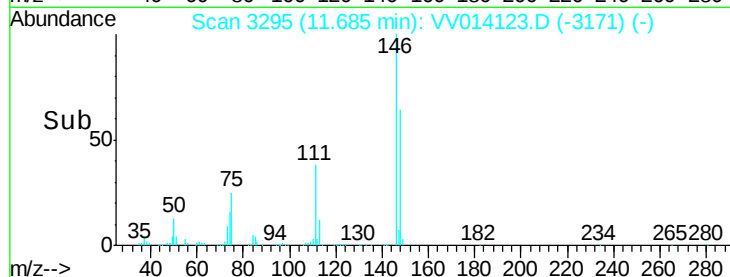
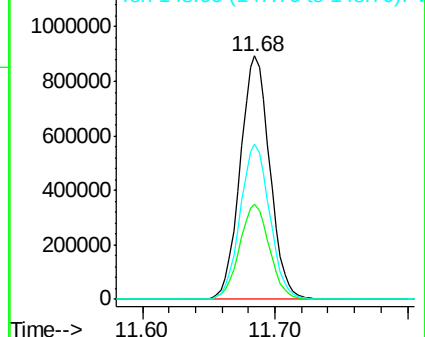
148 63.7 51.5 77.3



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



#68

1,2,4-trichlorobenzene

Concen: 24.199 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. -0.00 min

Lab File: VV014123.D

Acq: 18 Dec 2019 15:45

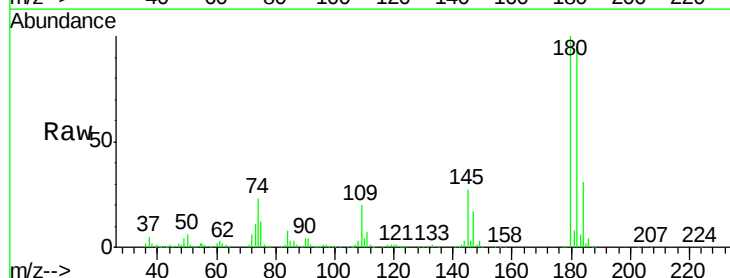
Tgt Ion:180 Resp: 200110

Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.4

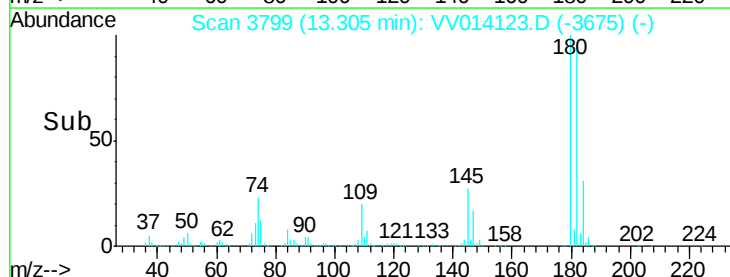
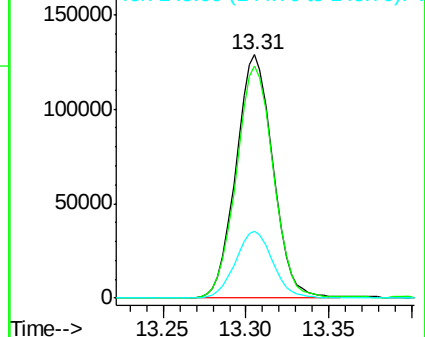
145 27.8 21.9 32.9

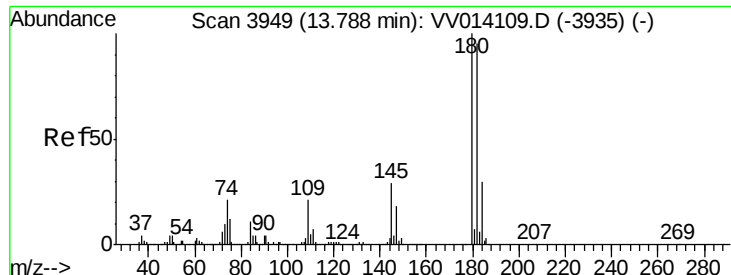


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 6.766 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014123.D

Acq: 18 Dec 2019 15:45

Instrument :

MSVOA_V

ClientSampleId :

C0D40

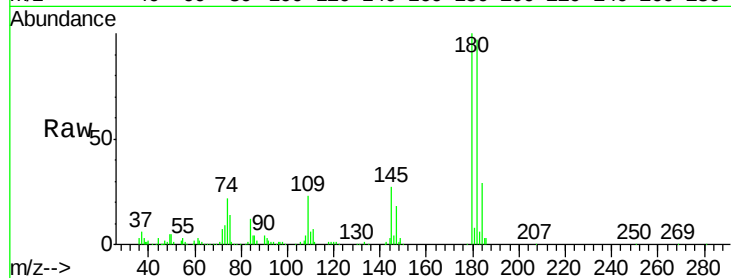
Tot Ion:180 Resp: 58512

Ion Ratio Lower Upper

180 100

182 98.3 77.0 115.4

145 29.9 22.6 34.0



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

