

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014961.D
 Acq On : 16 Mar 2020 21:21
 Operator : SY/MD
 Sample : L1940-16
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB7

Quant Time: Mar 18 05:22:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	360815	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	356493	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	195938	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102852	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.58%
7) Chloroethane-d5	1.58	69	82032	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.90%
11) 1,1-Dichloroethene-d2	2.12	63	127288	34.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.02%
21) 2-Butanone-d5	3.93	46	128643	87.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.77%
24) Chloroform-d	4.38	84	226170	45.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.32%
26) 1,2-Dichloroethane-d4	5.06	65	148906	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.86%
32) Benzene-d6	5.08	84	461768	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
36) 1,2-Dichloropropane-d6	6.10	67	136214	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.16%
41) Toluene-d8	7.34	98	449842	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%
43) trans-1,3-Dichloropropene-	7.64	79	59364	38.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.36%
47) 2-Hexanone-d5	8.12	63	124648	94.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.42%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	196801	45.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	201440	46.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.86%

Target Compounds

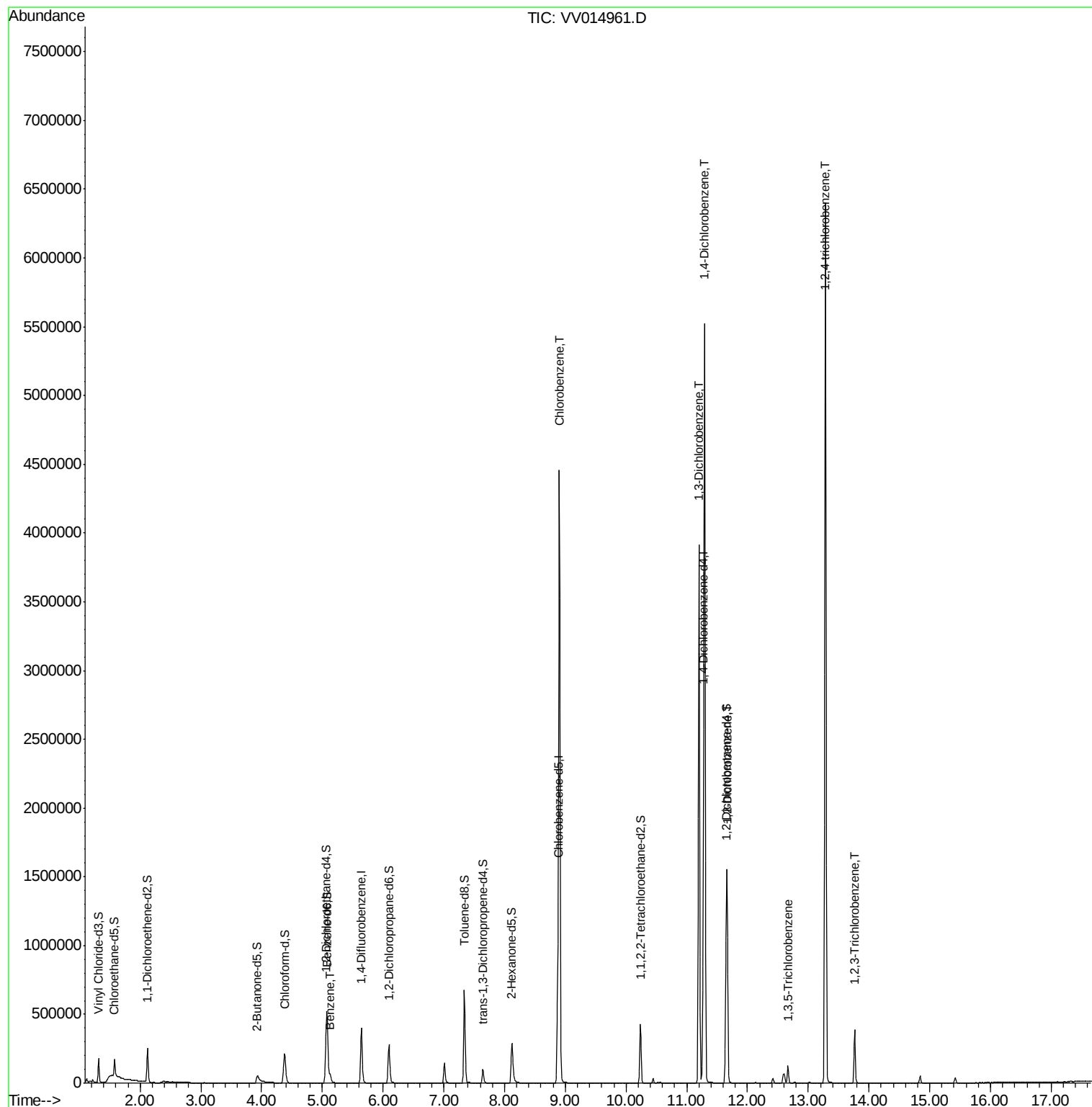
					Ovalue
33) Benzene	5.13	78	58097	5.989	ug/L 100
51) Chlorobenzene	8.90	112	2440619	324.692	ug/L 100
62) 1,3-Dichlorobenzene	11.20	146	1639786	253.959	ug/L 99
63) 1,4-Dichlorobenzene	11.29	146	2256977	347.001	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	586845	90.986	ug/L 98
67) 1,3,5-Trichlorobenzene	12.67	180	40230	7.947	ug/L 99
68) 1,2,4-trichlorobenzene	13.28	180	2049838	454.289	ug/L 100
70) 1,2,3-Trichlorobenzene	13.77	180	125338	28.061	ug/L 97

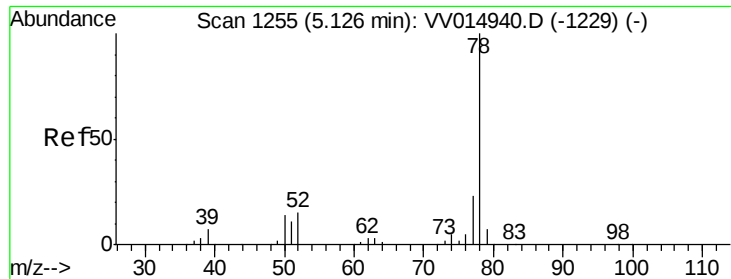
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 03:17:46 2020
Response via : Initial Calibration





#33

Benzene

Concen: 5.989 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV014961.D

Acq: 16 Mar 2020 21:21

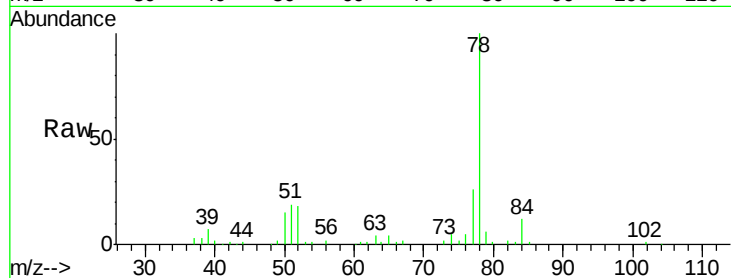
Instrument :

MSVOA_V

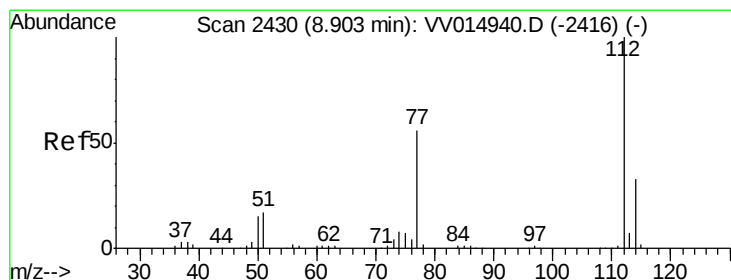
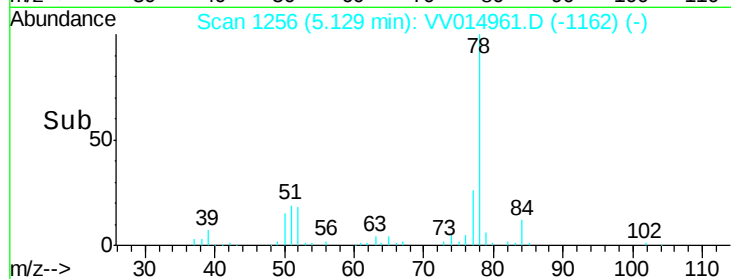
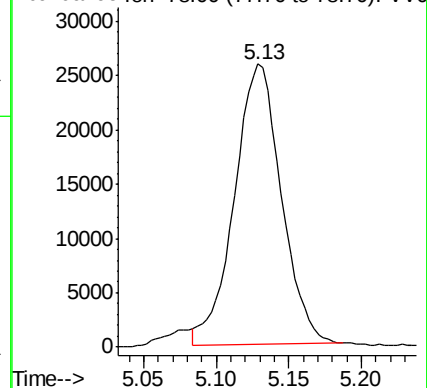
ClientSampleId :

C0DB7

Tgt Ion: 78 Resp: 58097



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 324.692 ug/L

RT: 8.90 min Scan# 2430

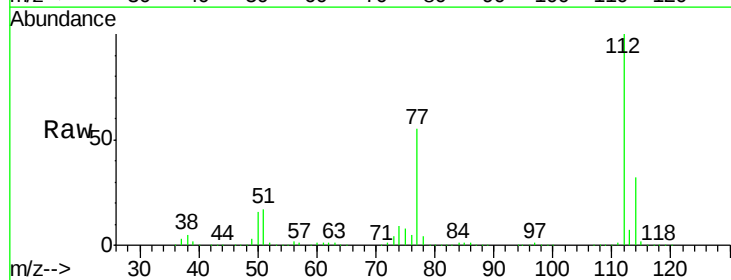
Delta R.T. 0.00 min

Lab File: VV014961.D

Acq: 16 Mar 2020 21:21

Tgt Ion: 112 Resp: 2440619

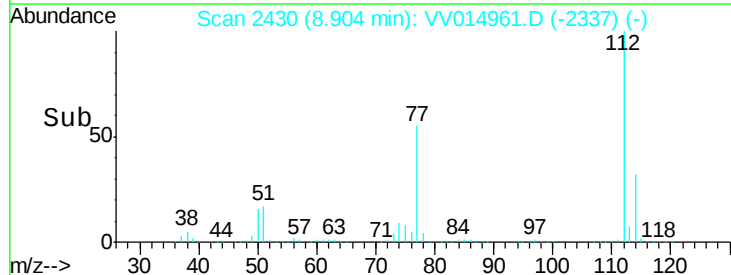
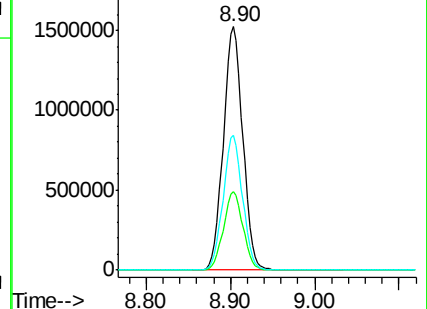
Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.8	42.4
77	55.3	44.5	66.7

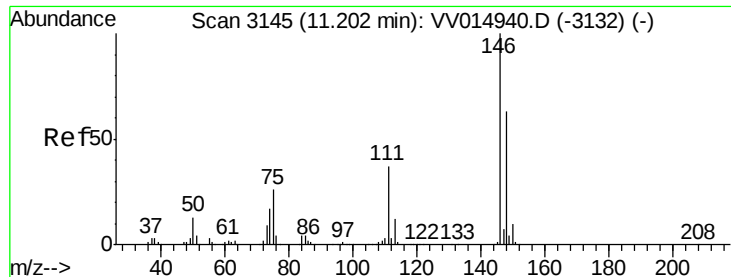


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 253.959 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014961.D

Acq: 16 Mar 2020 21:21

Instrument :

MSVOA_V

ClientSampled :

C0DB7

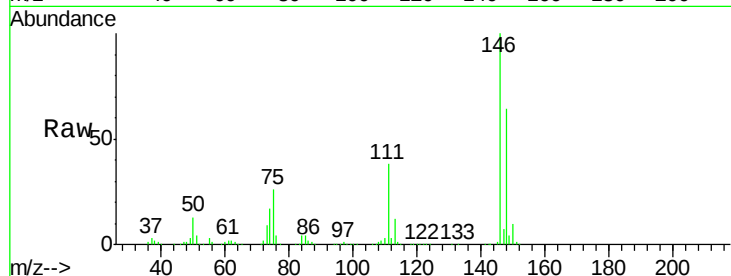
Tot Ion:146 Resp: 1639786

Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.3

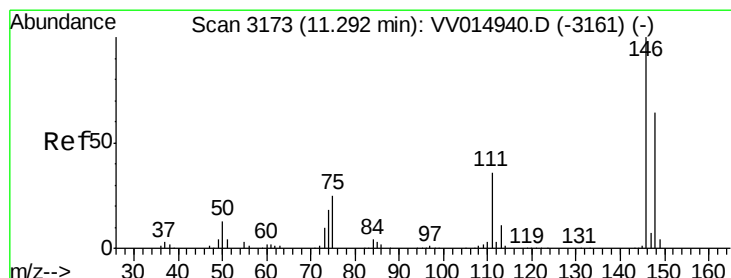
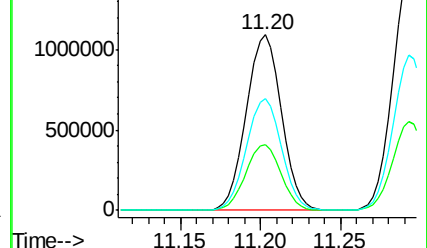
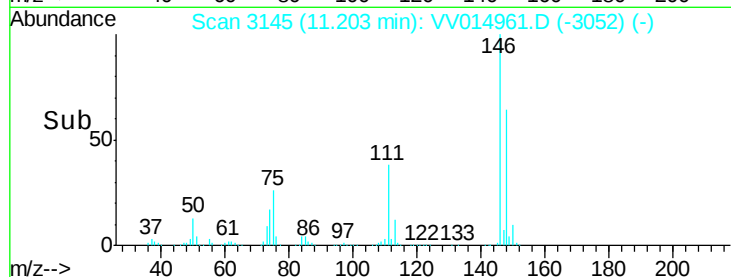
148 63.9 45.4 84.2



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: 347.001 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014961.D

Acq: 16 Mar 2020 21:21

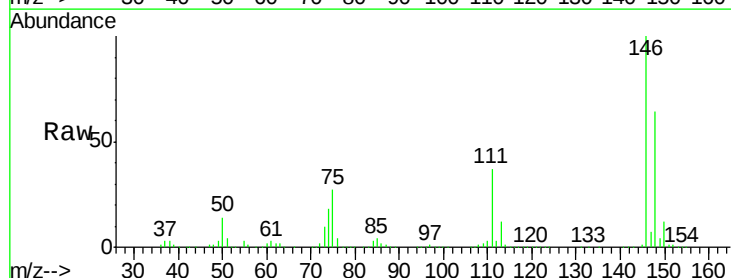
Tgt Ion:146 Resp: 2256977

Ion Ratio Lower Upper

146 100

111 36.5 26.0 48.2

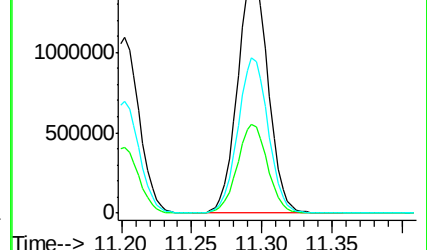
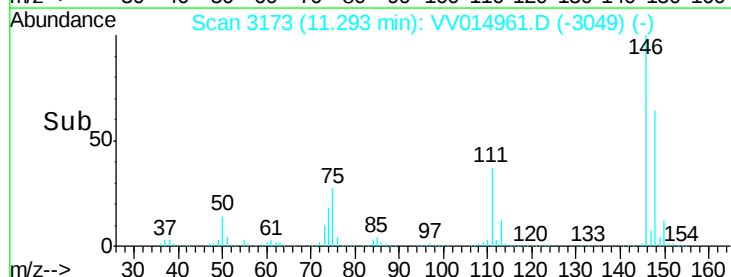
148 63.6 46.1 85.5

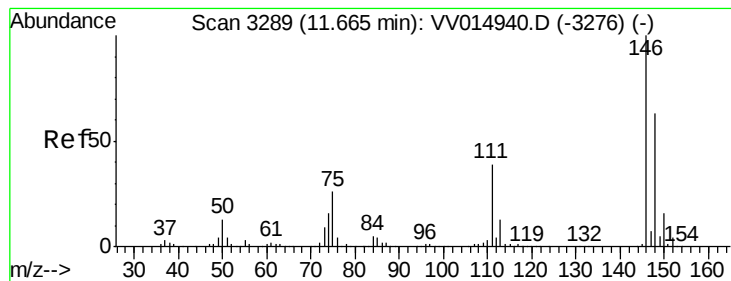


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 90.986 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014961.D

Acq: 16 Mar 2020 21:21

Instrument :

MSVOA_V

ClientSampled :

C0DB7

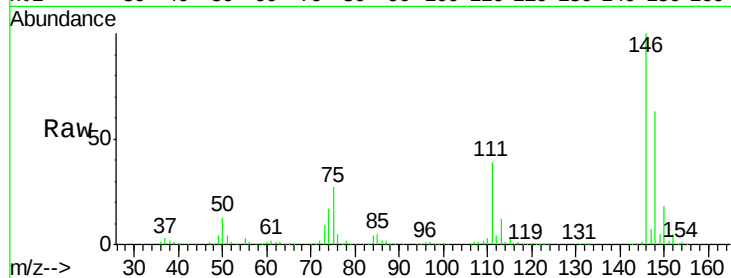
Tot Ion:146 Resp: 586845

Ion Ratio Lower Upper

146 100

111 39.4 31.6 47.4

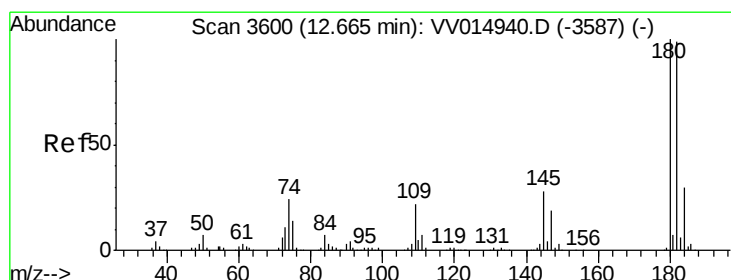
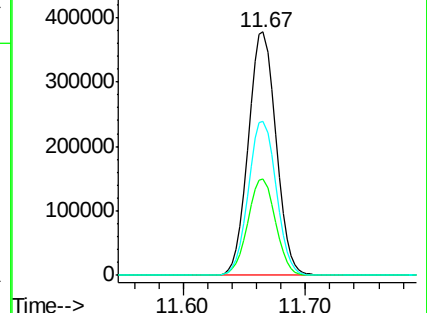
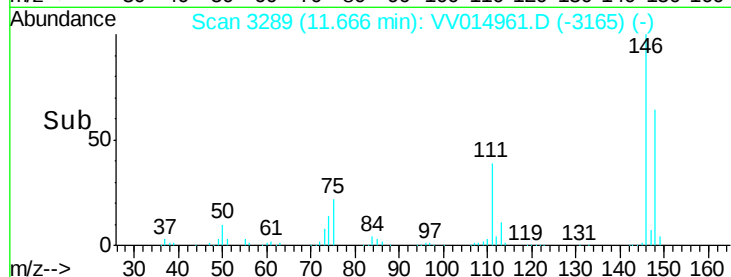
148 63.5 52.2 78.4



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: 7.947 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VV014961.D

Acq: 16 Mar 2020 21:21

Tgt Ion:180 Resp: 40230

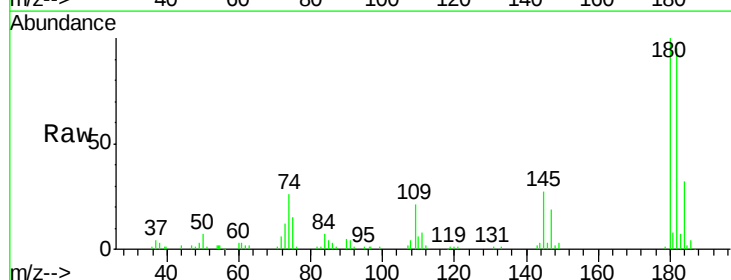
Ion Ratio Lower Upper

180 100

182 95.5 75.7 113.5

184 30.3 24.2 36.4

145 26.7 22.0 33.0

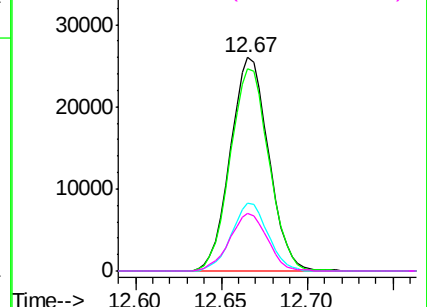
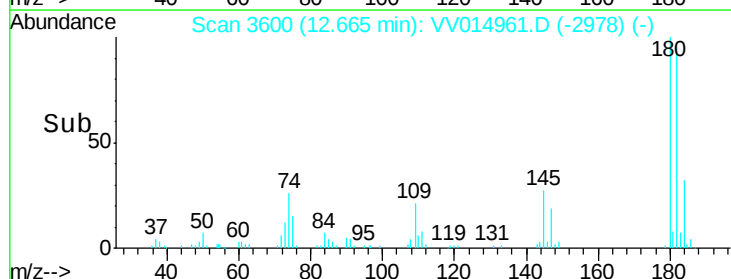


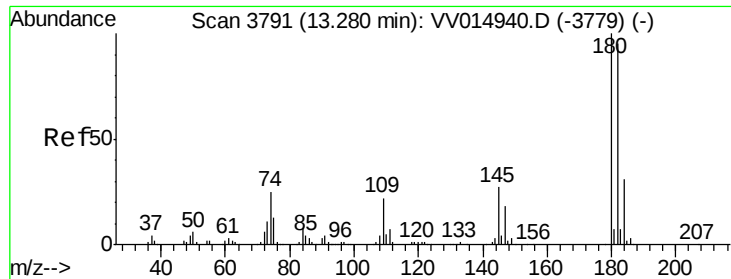
Abundance Ion 180.00 (179.70 to 180.70): V

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

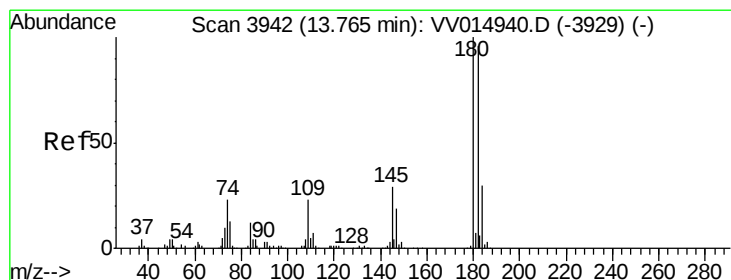
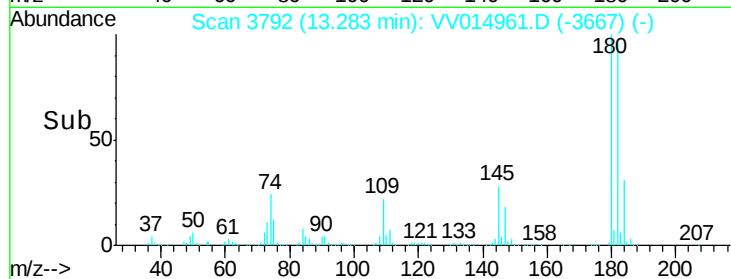
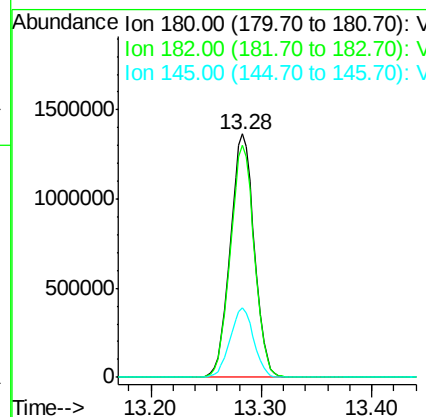
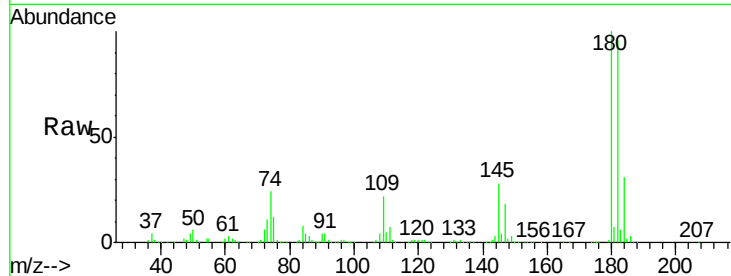




#68
 1,2,4-trichlorobenzene
 Concen: 454.289 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014961.D
 Acq: 16 Mar 2020 21:21

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB7

Tot Ion:180 Resp: 2049838
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.3 114.5
 145 28.2 23.1 34.7



#70
 1,2,3-Trichlorobenzene
 Concen: 28.061 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014961.D
 Acq: 16 Mar 2020 21:21

Tgt Ion:180 Resp: 125338
 Ion Ratio Lower Upper
 180 100
 182 98.5 76.2 114.4
 145 29.8 24.1 36.1

