

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102119\
 Data File : VV013250.D
 Acq On : 21 Oct 2019 17:47
 Operator : SY/MD
 Sample : VIBLK41
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK41

Quant Time: Oct 22 03:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 02:50:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	508290	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	541936	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	277866	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	187952	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.58	69	158809	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.13	63	244875	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	3.95	46	363946	50.57	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.14%
24) Chloroform-d	4.40	84	410315	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.08	65	202399	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	866313	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.12	67	263921	5.00	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	756006	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.66	79	91529	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.14	63	323683	45.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	180834	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	289612	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

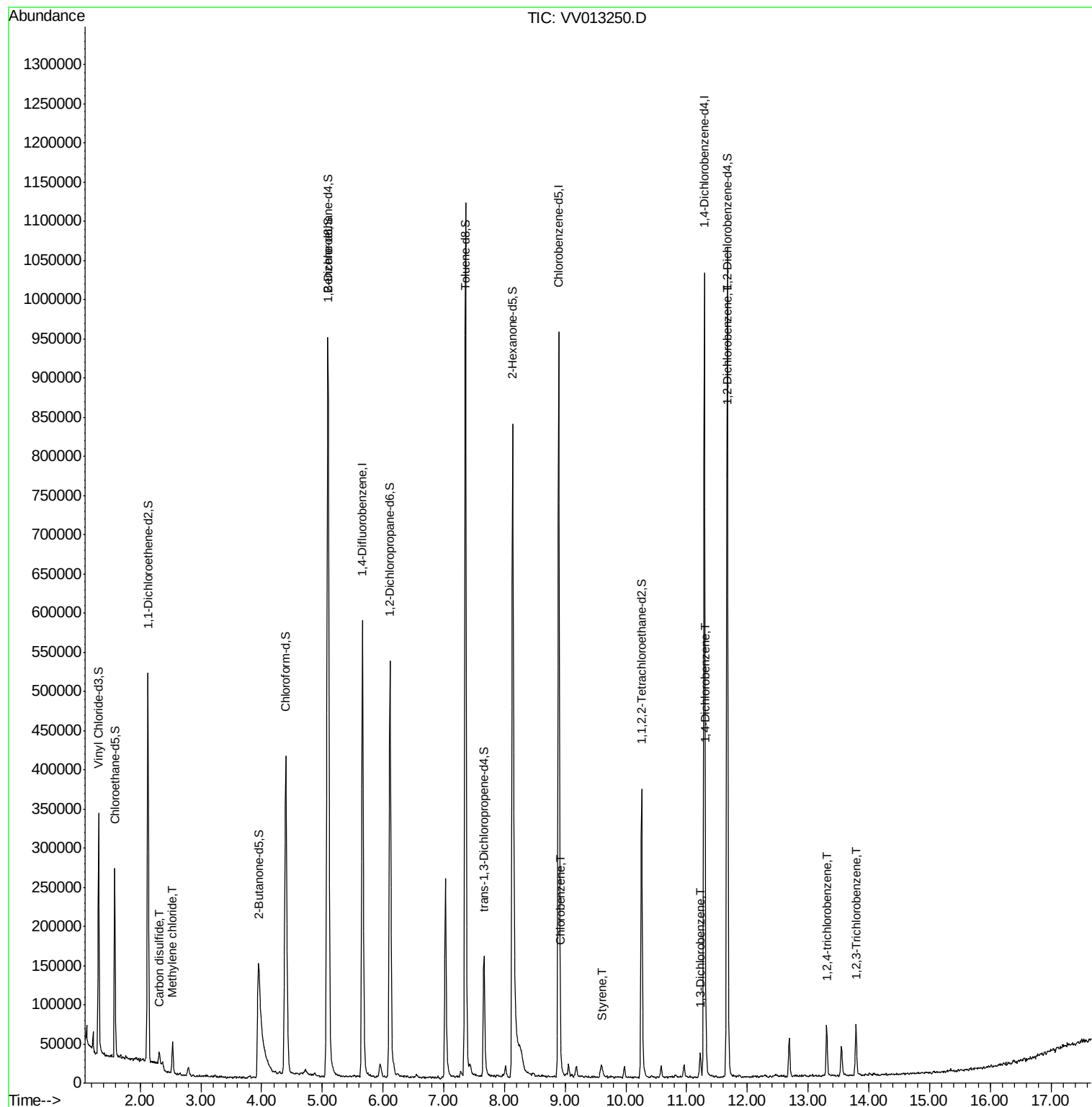
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Carbon disulfide	2.32	76	17521	0.153	ug/L #	85
16) Methylene chloride	2.53	84	16142	0.269	ug/L	95
51) Chlorobenzene	8.93	112	8600	0.060	ug/L	97
55) Styrene	9.61	104	7572	0.054	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	13405	0.137	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	16157	0.163	ug/L	92
65) 1,2-Dichlorobenzene	11.68	146	12128	0.135	ug/L #	89
68) 1,2,4-trichlorobenzene	13.31	180	21306	0.337	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	21280	0.362	ug/L	99

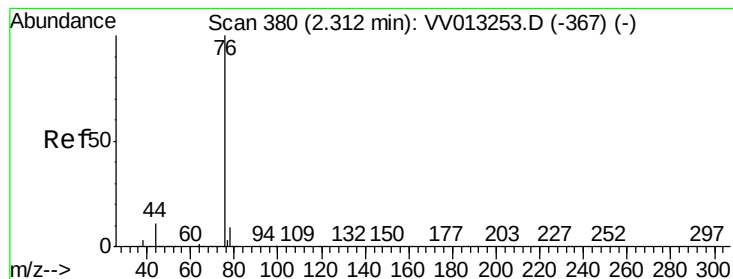
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 22 02:50:14 2019
Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.153 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

Instrument :

MSVOA_V

ClientSampled :

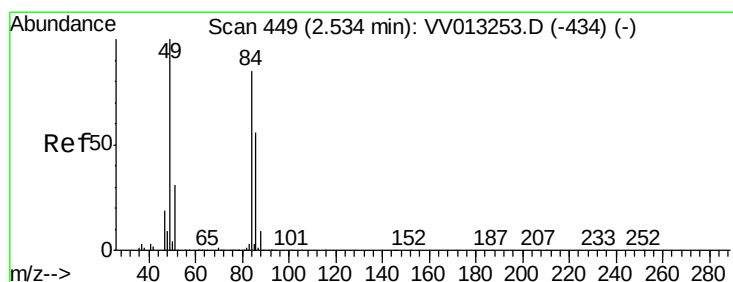
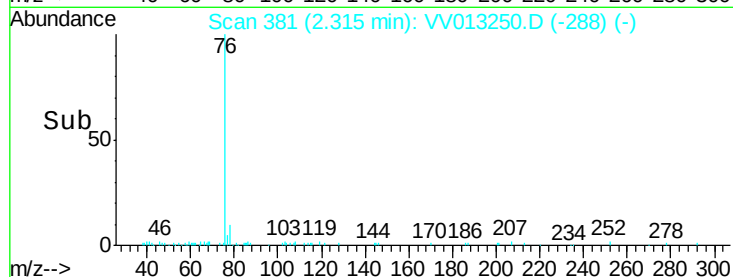
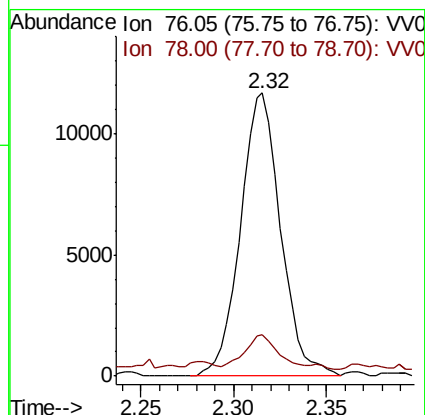
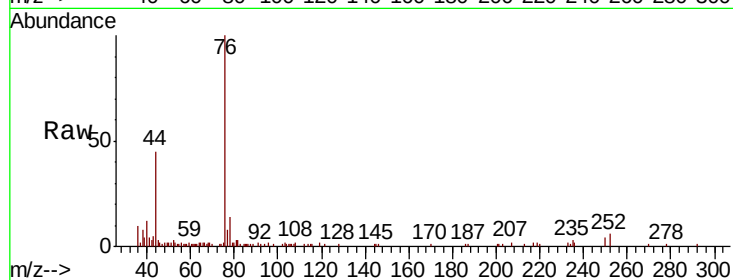
VIBLK41

Tot Ion: 76 Resp: 17521

Ion Ratio Lower Upper

76 100

78 14.5 7.3 10.9#



#16

Methylene chloride

Concen: 0.269 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.01 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

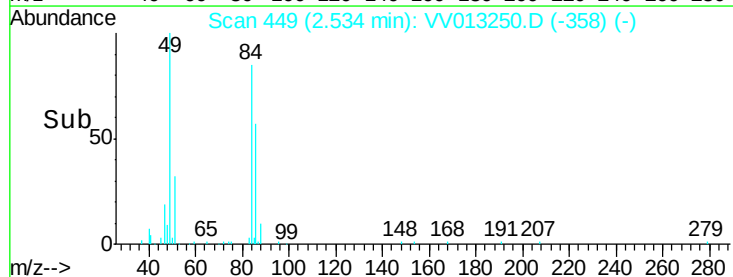
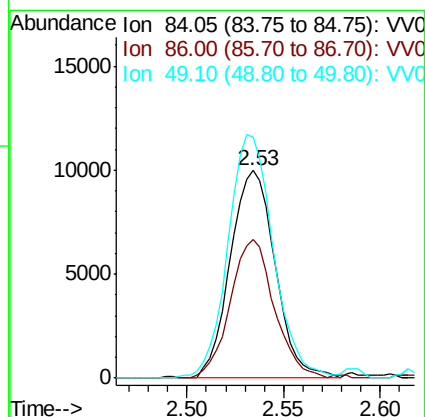
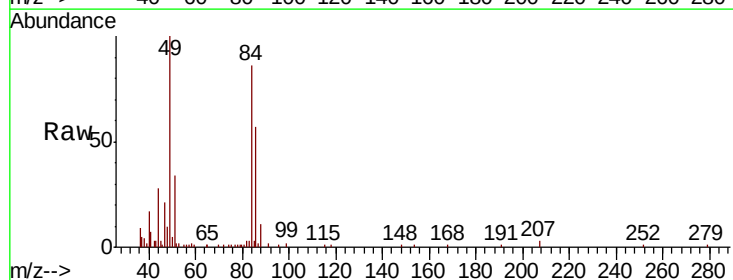
Tgt Ion: 84 Resp: 16142

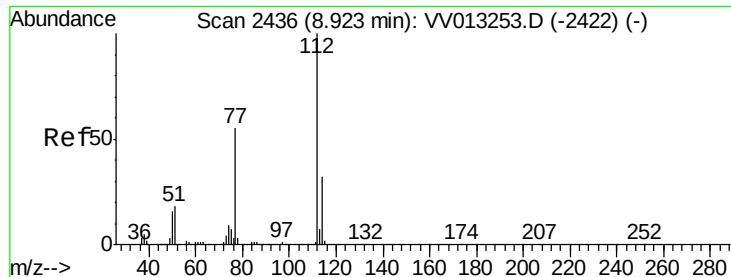
Ion Ratio Lower Upper

84 100

86 66.7 46.2 85.8

49 116.4 76.4 141.8





#51

Chlorobenzene

Concen: 0.060 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

Instrument :

MSVOA_V

ClientSampleId :

VIBLK41

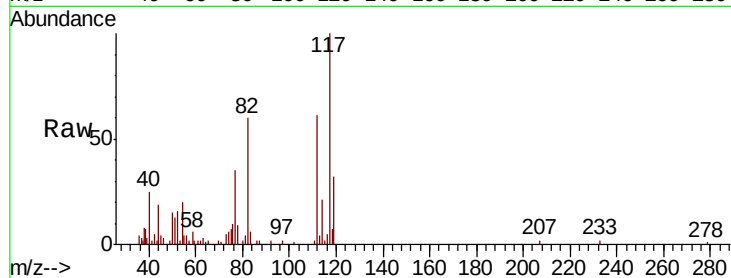
Tot Ion:112 Resp: 8600

Ion Ratio Lower Upper

112 100

114 34.7 21.8 40.6

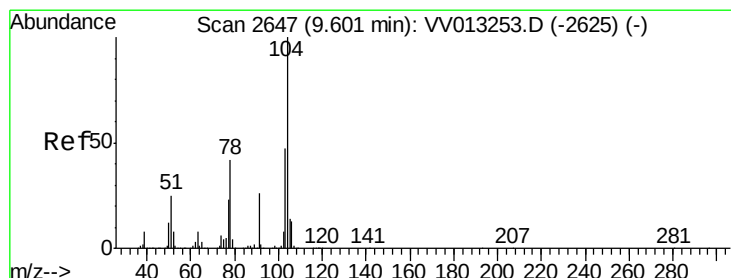
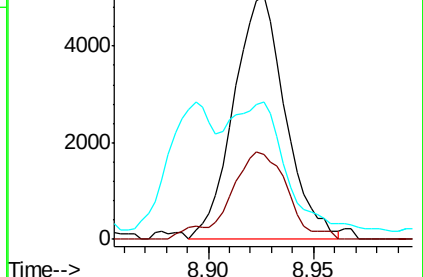
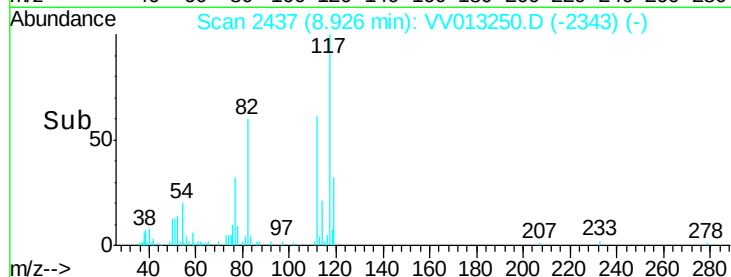
77 56.6 44.4 66.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0



#55

Styrene

Concen: 0.054 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.01 min

Lab File: VV013250.D

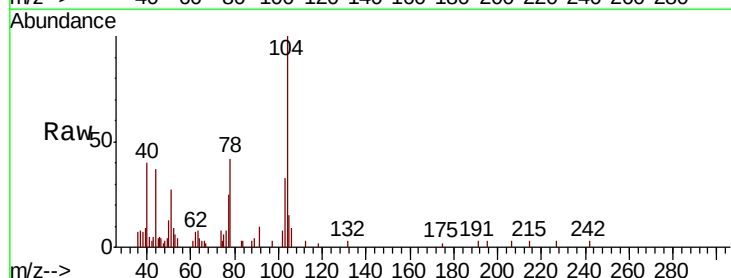
Acq: 21 Oct 2019 17:47

Tgt Ion:104 Resp: 7572

Ion Ratio Lower Upper

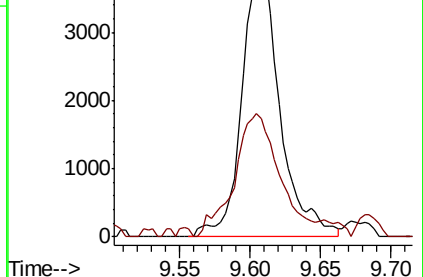
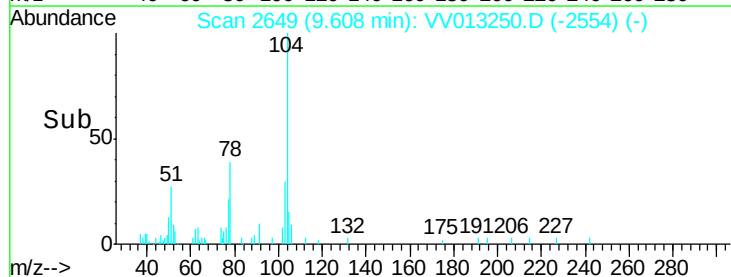
104 100

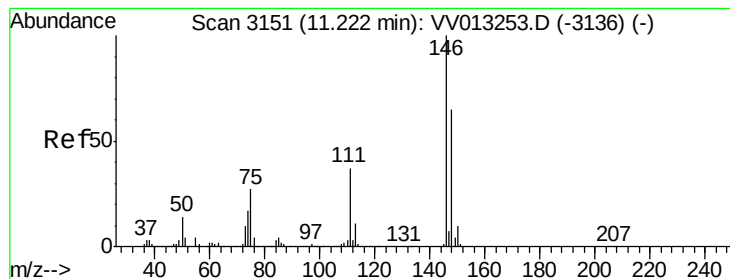
78 41.8 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#62

1,3-Dichlorobenzene

Concen: 0.137 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

Instrument :

MSVOA_V

ClientSampleId :

VIBLK41

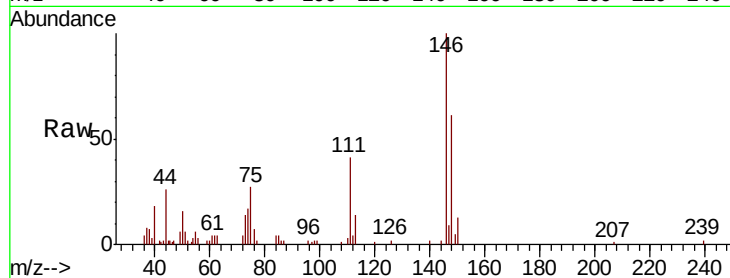
Tot Ion:146 Resp: 13405

Ion Ratio Lower Upper

146 100

111 41.5 25.8 47.8

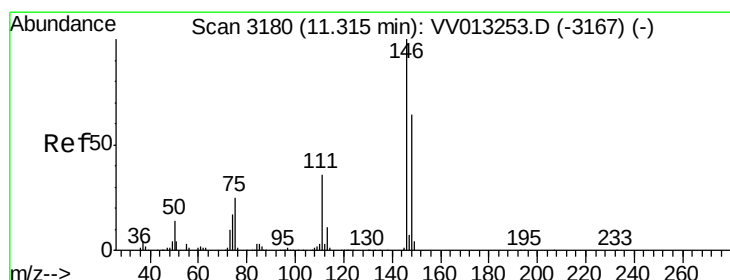
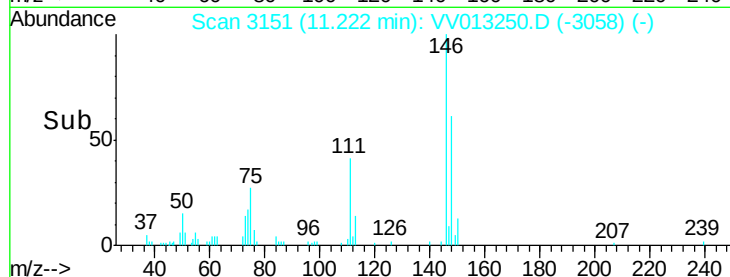
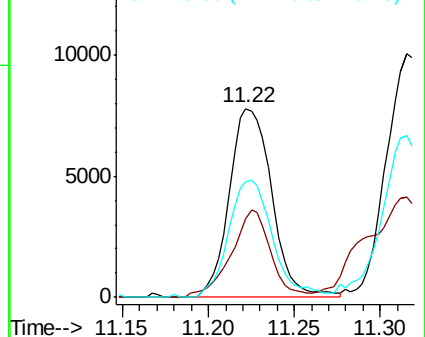
148 61.5 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.163 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

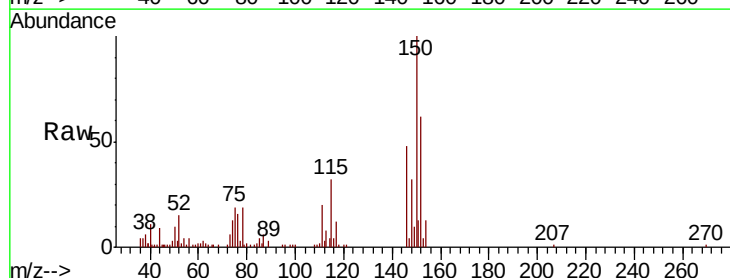
Tgt Ion:146 Resp: 16157

Ion Ratio Lower Upper

146 100

111 41.2 24.6 45.6

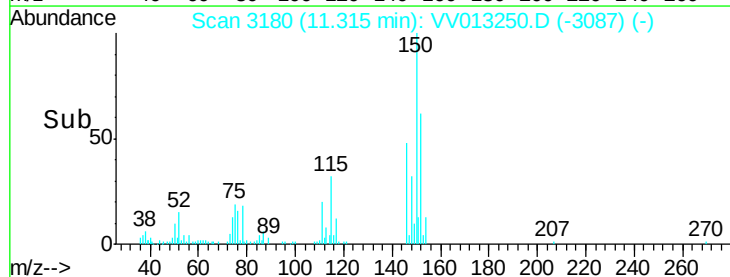
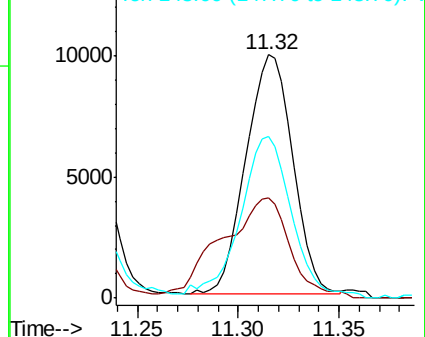
148 66.6 43.3 80.5

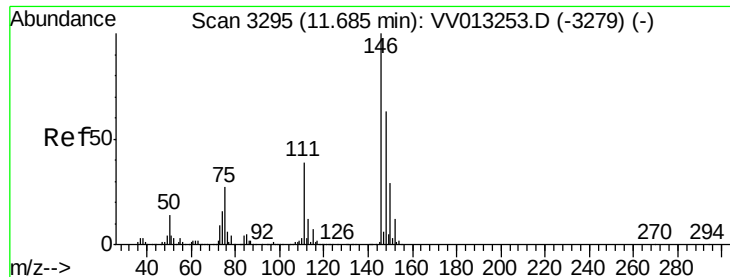


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.135 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

Instrument :

MSVOA_V

ClientSampleId :

VIBLK41

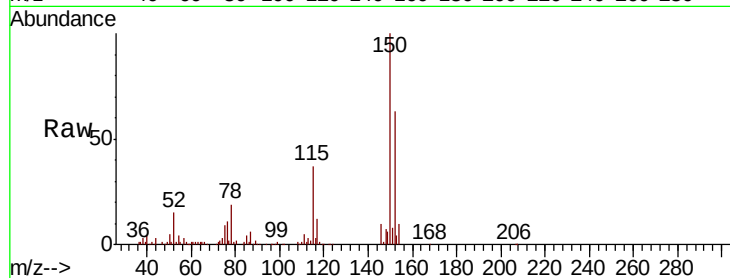
Tot Ion:146 Resp: 12128

Ion Ratio Lower Upper

146 100

111 48.9 31.8 47.6#

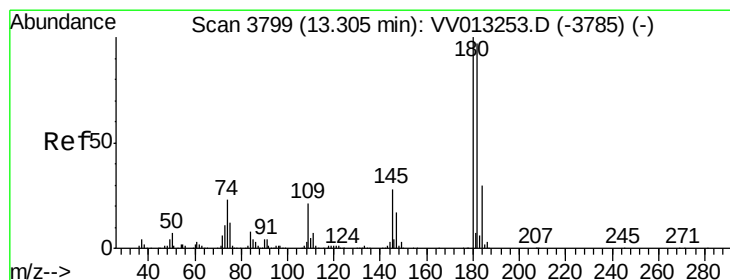
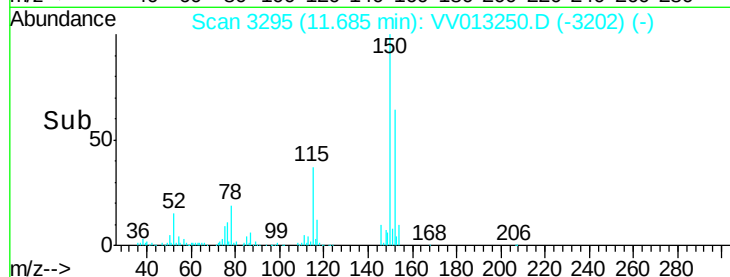
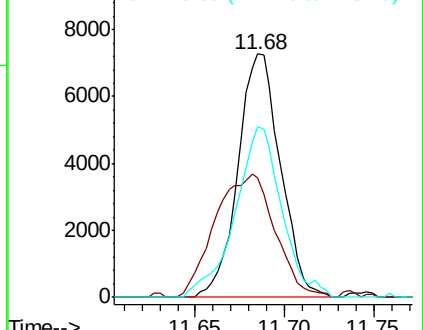
148 70.3 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): 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: 0.337 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

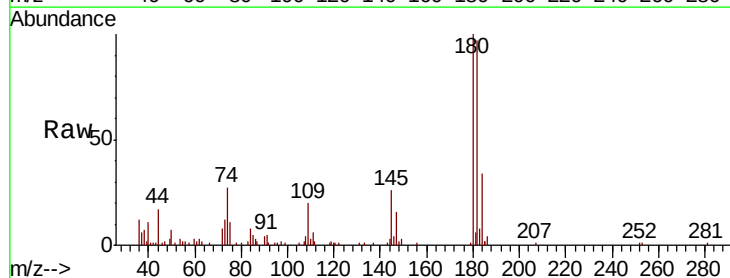
Tgt Ion:180 Resp: 21306

Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

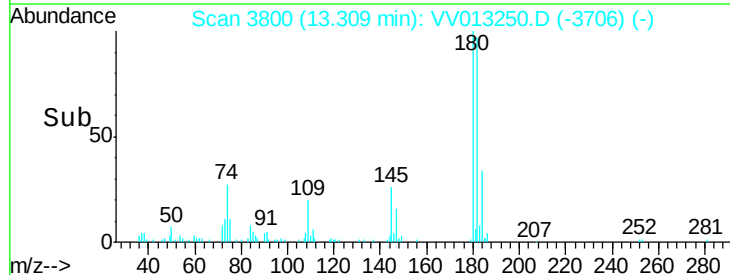
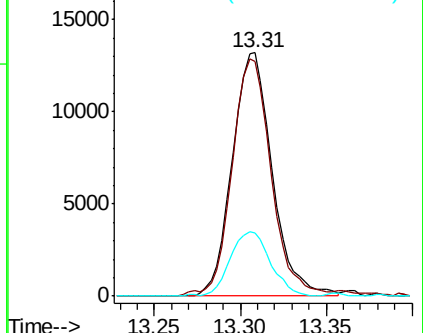
145 26.6 22.1 33.1

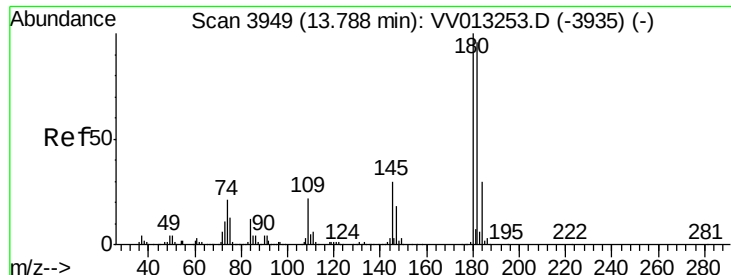


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

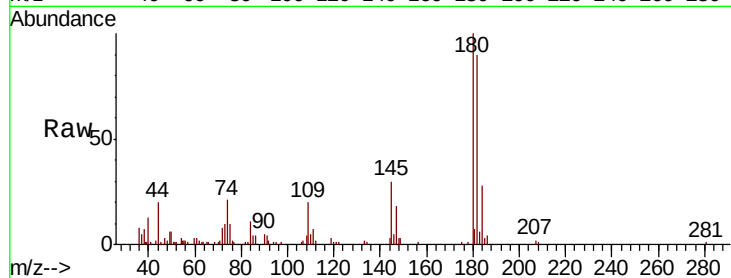




#70
 1,2,3-Trichlorobenzene
 Concen: 0.362 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013250.D
 Acq: 21 Oct 2019 17:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK41

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.5	114.7
145	30.2	23.5	35.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

