

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031819\
 Data File : VV009760.D
 Acq On : 18 Mar 2019 15:47
 Operator : SY/MD
 Sample : K1918-21
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09A5

Quant Time: Mar 19 04:59:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 18 12:32:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	140561	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	143628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	76030	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43361	45.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.50%
7) Chloroethane-d5	1.56	69	35008	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.14%
11) 1,1-Dichloroethene-d2	2.12	63	73096	36.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.44%
21) 2-Butanone-d5	3.93	46	56592	100.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.25%
24) Chloroform-d	4.40	84	80267	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	51481	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
32) Benzene-d6	5.10	84	173490	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.44%
36) 1,2-Dichloropropane-d6	6.12	67	52024	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.06%
41) Toluene-d8	7.36	98	169398	46.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.82%
43) trans-1,3-Dichloropropene-	7.66	79	23422	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.70%
47) 2-Hexanone-d5	8.13	63	44551	95.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.79%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	78462	45.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.52%
64) 1,2-Dichlorobenzene-d4	11.68	152	71437	46.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.86%

Target Compounds

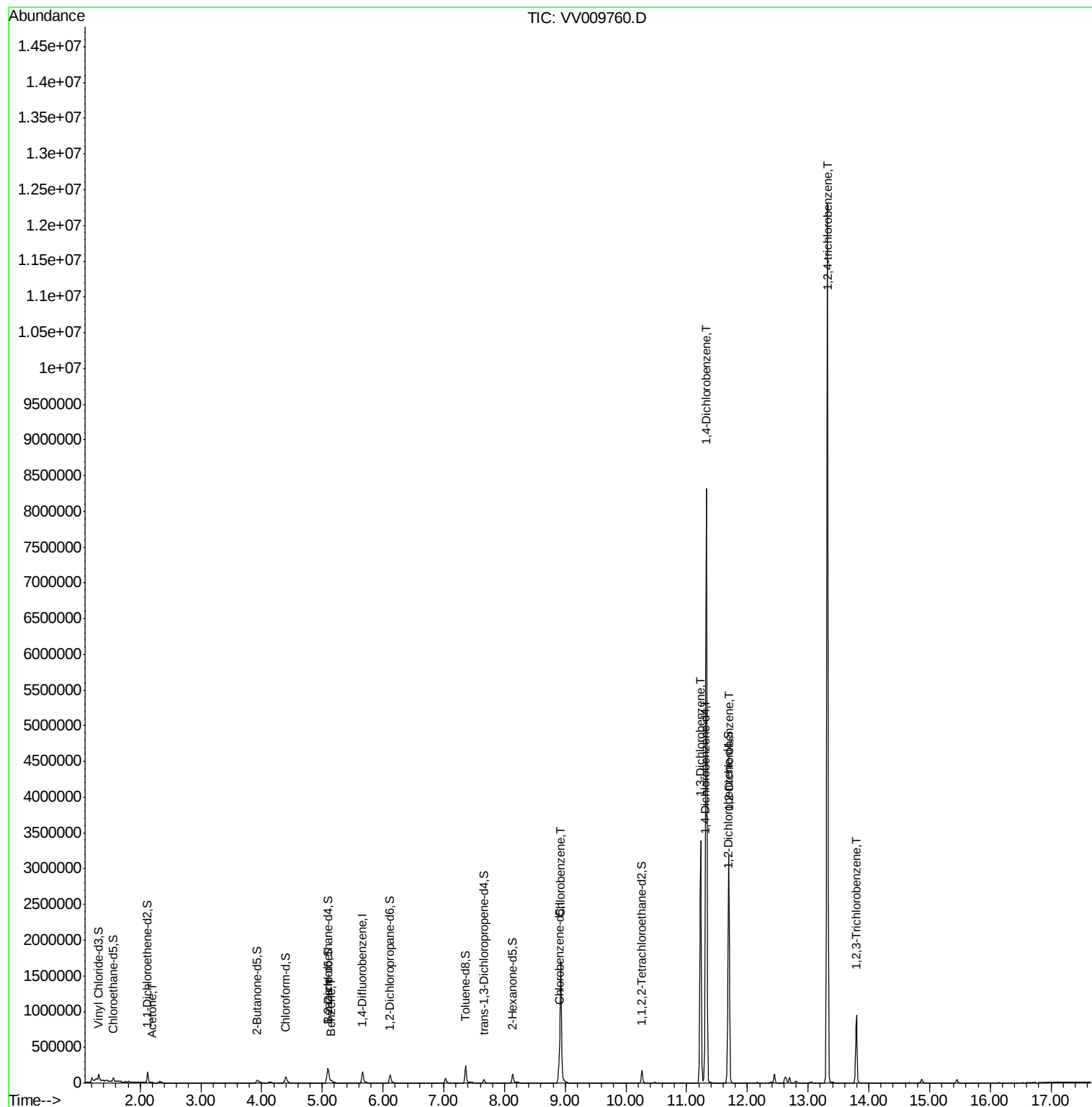
					Ovalue
13) Acetone	2.19	43	2914	5.450	ug/L 86
33) Benzene	5.15	78	30707	7.833	ug/L 100
51) Chlorobenzene	8.93	112	940578	320.662	ug/L 99
62) 1,3-Dichlorobenzene	11.23	146	1338697	536.700	ug/L 100
63) 1,4-Dichlorobenzene	11.32	146	3013894	1197.699	ug/L 97
65) 1,2-Dichlorobenzene	11.69	146	1184477	465.399	ug/L 98
68) 1,2,4-trichlorobenzene	13.32	180	3140688	2824.816	ug/L 99
70) 1,2,3-Trichlorobenzene	13.79	180	266099	238.739	ug/L 97

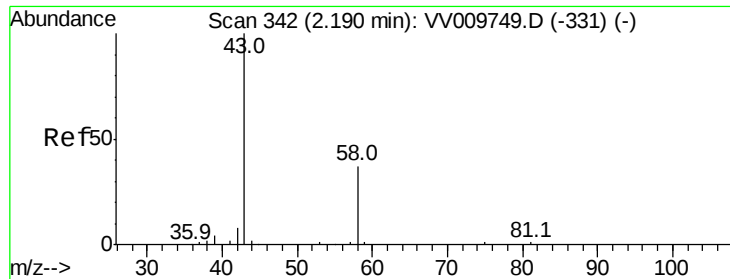
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 18 12:32:58 2019
Response via : Initial Calibration





#13

Acetone

Concen: 5.450 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

Instrument :

MSVOA_V

ClientSampleId :

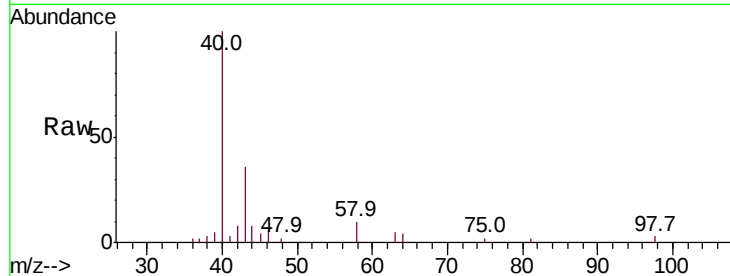
C09A5

Tot Ion: 43 Resp: 2914

Ion Ratio Lower Upper

43 100

58 25.6 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VV009749.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009749.D (-331) (-)

2.19

1500

1000

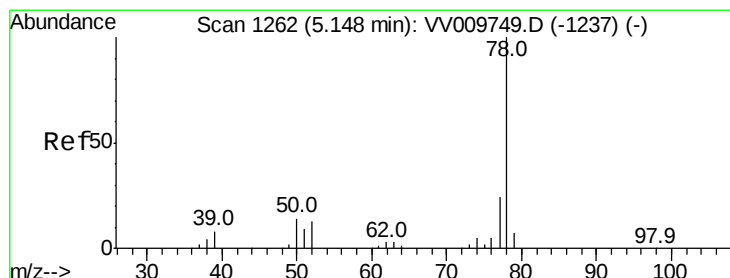
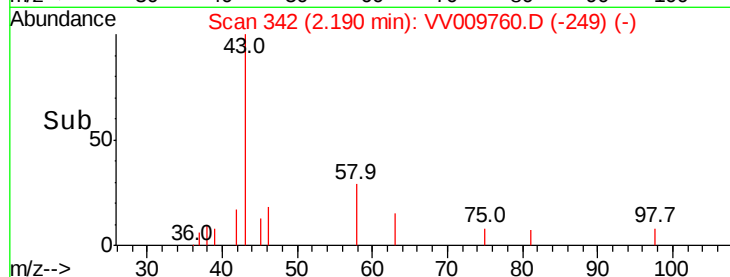
500

0

2.15

2.20

Time-->



#33

Benzene

Concen: 7.833 ug/L

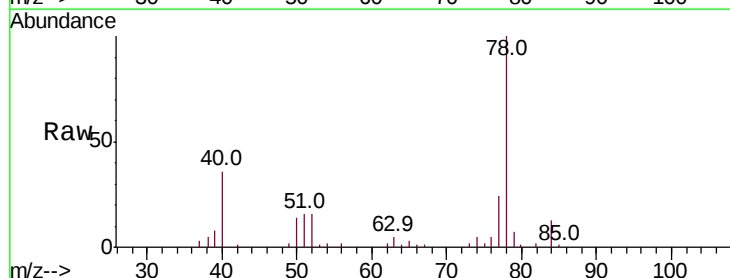
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

Tgt Ion: 78 Resp: 30707



Abundance Ion 78.00 (77.70 to 78.70): VV009749.D (-1237) (-)

15000

10000

5000

0

5.05

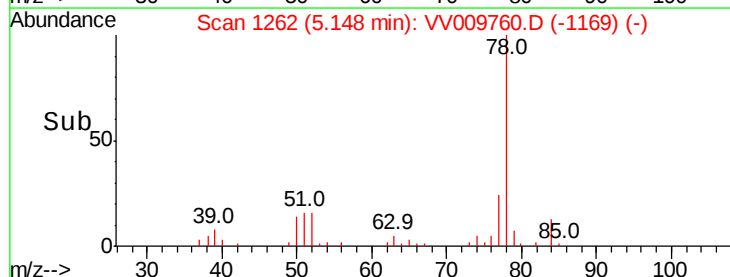
5.10

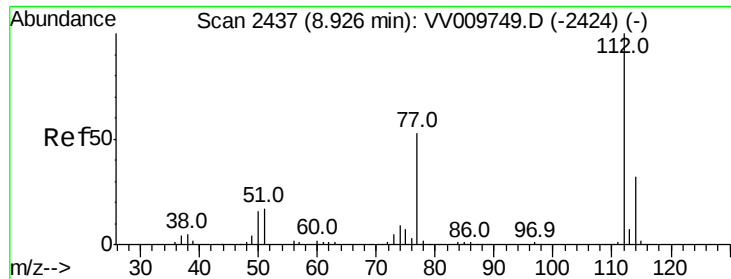
5.15

5.20

5.25

Time-->





#51

Chlorobenzene

Concen: 320.662 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

Instrument :

MSVOA_V

ClientSampleId :

C09A5

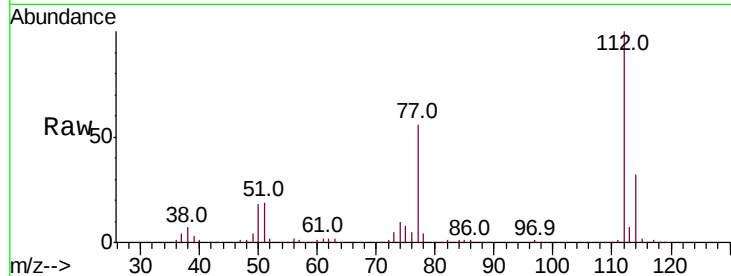
Tot Ion:112 Resp: 940578

Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.9

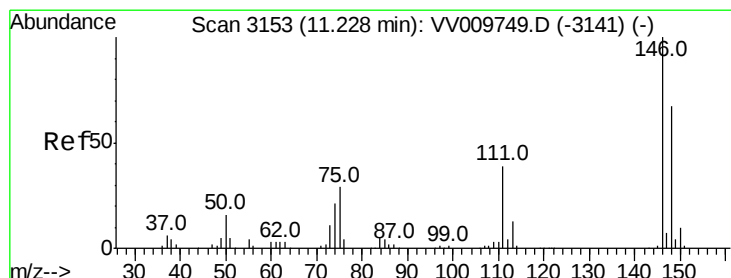
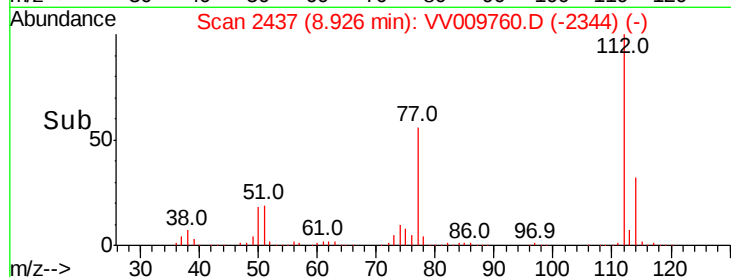
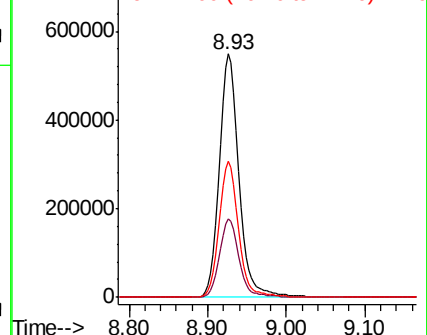
77 55.6 45.4 68.2



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): V



#62

1,3-Dichlorobenzene

Concen: 536.700 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

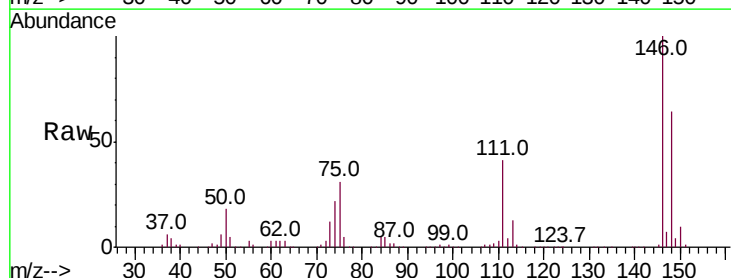
Tgt Ion:146 Resp: 1338697

Ion Ratio Lower Upper

146 100

111 41.3 28.8 53.4

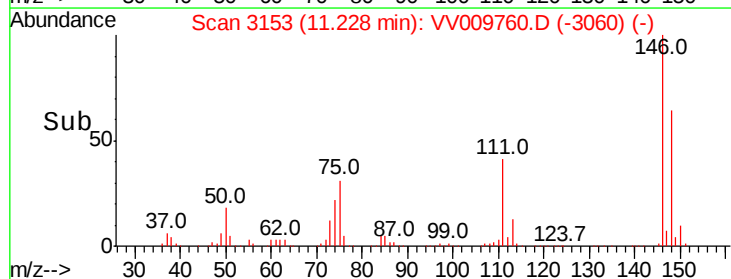
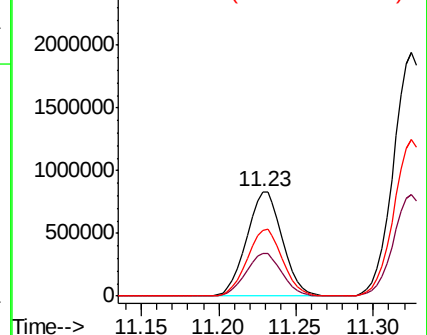
148 63.6 44.8 83.2

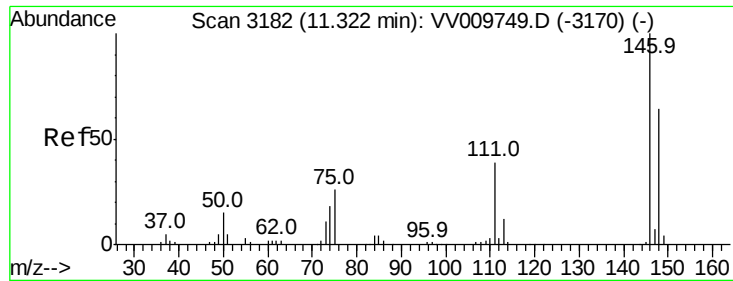


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 1197.699 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

Instrument :

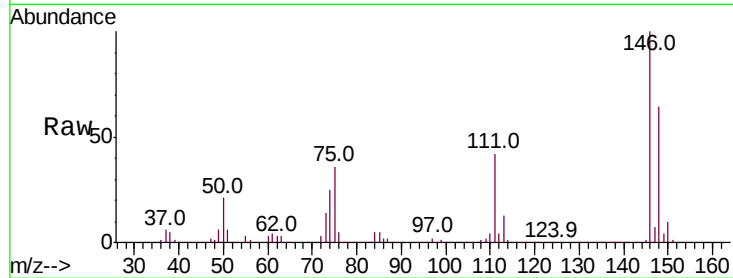
MSVOA_V

ClientSampled :

C09A5

Tot Ion:146 Resp: 3013894

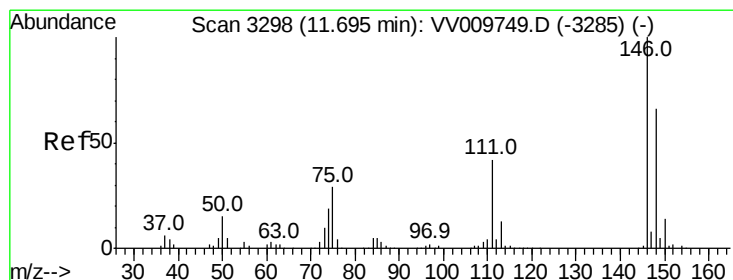
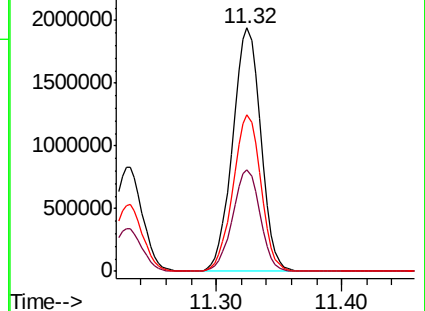
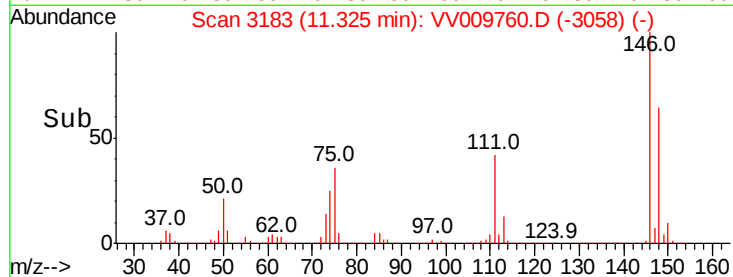
Ion	Ratio	Lower	Upper
146	100		
111	41.7	26.7	49.5
148	64.1	44.3	82.3



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



#65

1,2-Dichlorobenzene

Concen: 465.399 ug/L

RT: 11.69 min Scan# 3298

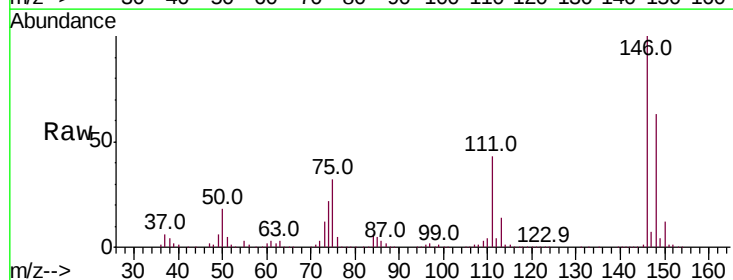
Delta R.T. -0.00 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

Tgt Ion:146 Resp: 1184477

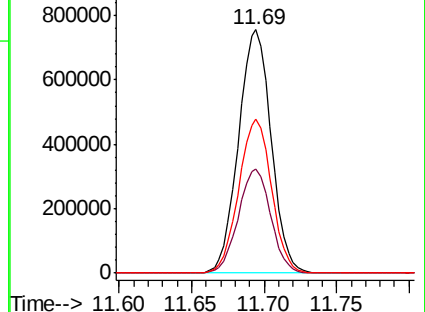
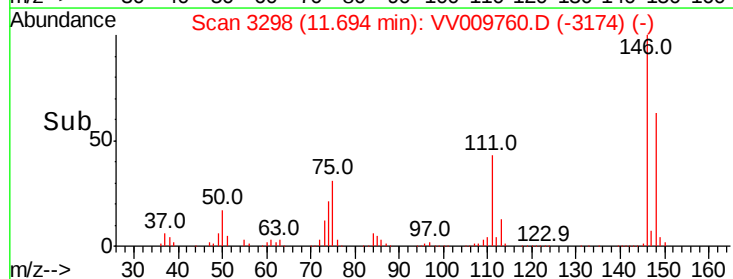
Ion	Ratio	Lower	Upper
146	100		
111	42.7	32.2	48.4
148	63.1	49.6	74.4

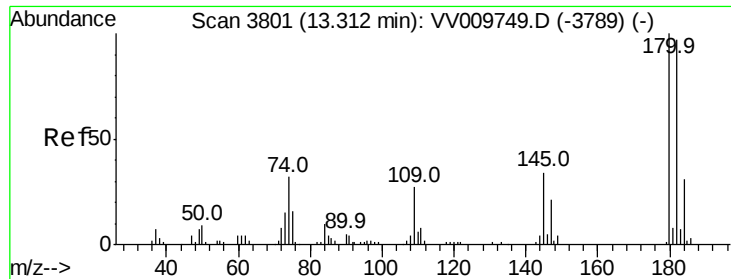


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

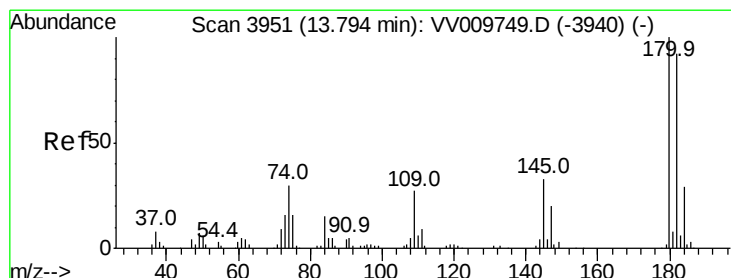
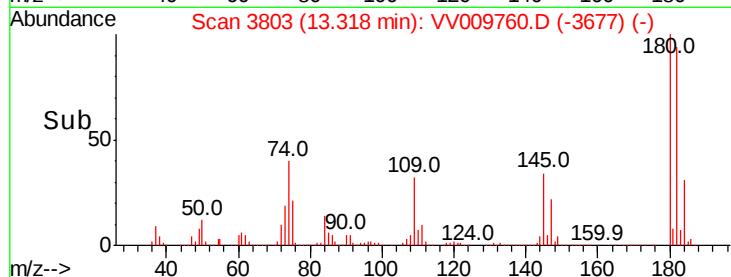
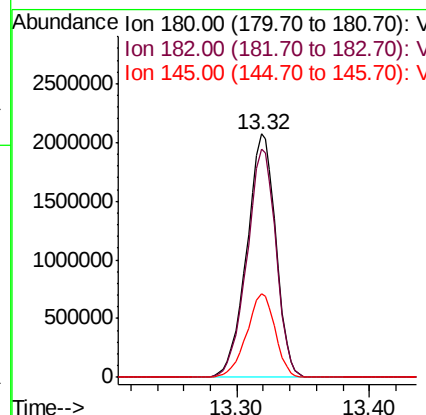
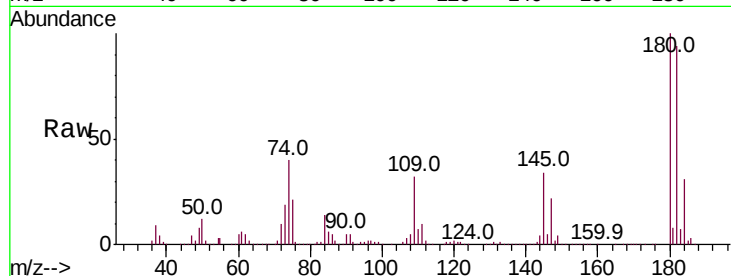




#68
 1,2,4-trichlorobenzene
 Concen: 2824.816 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV009760.D
 Acq: 18 Mar 2019 15:47

Instrument :
 MSVOA_V
 ClientSampleId :
 C09A5

Tot Ion:180 Resp: 3140688
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.7 113.5
 145 33.7 25.3 37.9



#70
 1,2,3-Trichlorobenzene
 Concen: 238.739 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. -0.00 min
 Lab File: VV009760.D
 Acq: 18 Mar 2019 15:47

Tgt Ion:180 Resp: 266099
 Ion Ratio Lower Upper
 180 100
 182 94.6 73.3 109.9
 145 34.2 26.4 39.6

