

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032519\
 Data File : VV009869.D
 Acq On : 25 Mar 2019 18:45
 Operator : SY/MD
 Sample : K2070-06 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B1

Quant Time: Mar 26 07:50:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 07:13:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	174994	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	172203	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72921	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82725	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.60%
7) Chloroethane-d5	1.56	69	95835	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.34%
11) 1,1-Dichloroethene-d2	2.13	63	179809	34.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.28%
21) 2-Butanone-d5	3.93	46	79198	99.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.31%
24) Chloroform-d	4.40	84	109020	43.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.76%
26) 1,2-Dichloroethane-d4	5.08	65	76449	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.06%
32) Benzene-d6	5.10	84	233882	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.08%
36) 1,2-Dichloropropane-d6	6.12	67	70104	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	7.36	98	215849	47.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%
43) trans-1,3-Dichloropropene-	7.67	79	27300	41.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.90%
47) 2-Hexanone-d5	8.13	63	57382	97.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101438	43.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.70%
64) 1,2-Dichlorobenzene-d4	11.68	152	79403	47.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

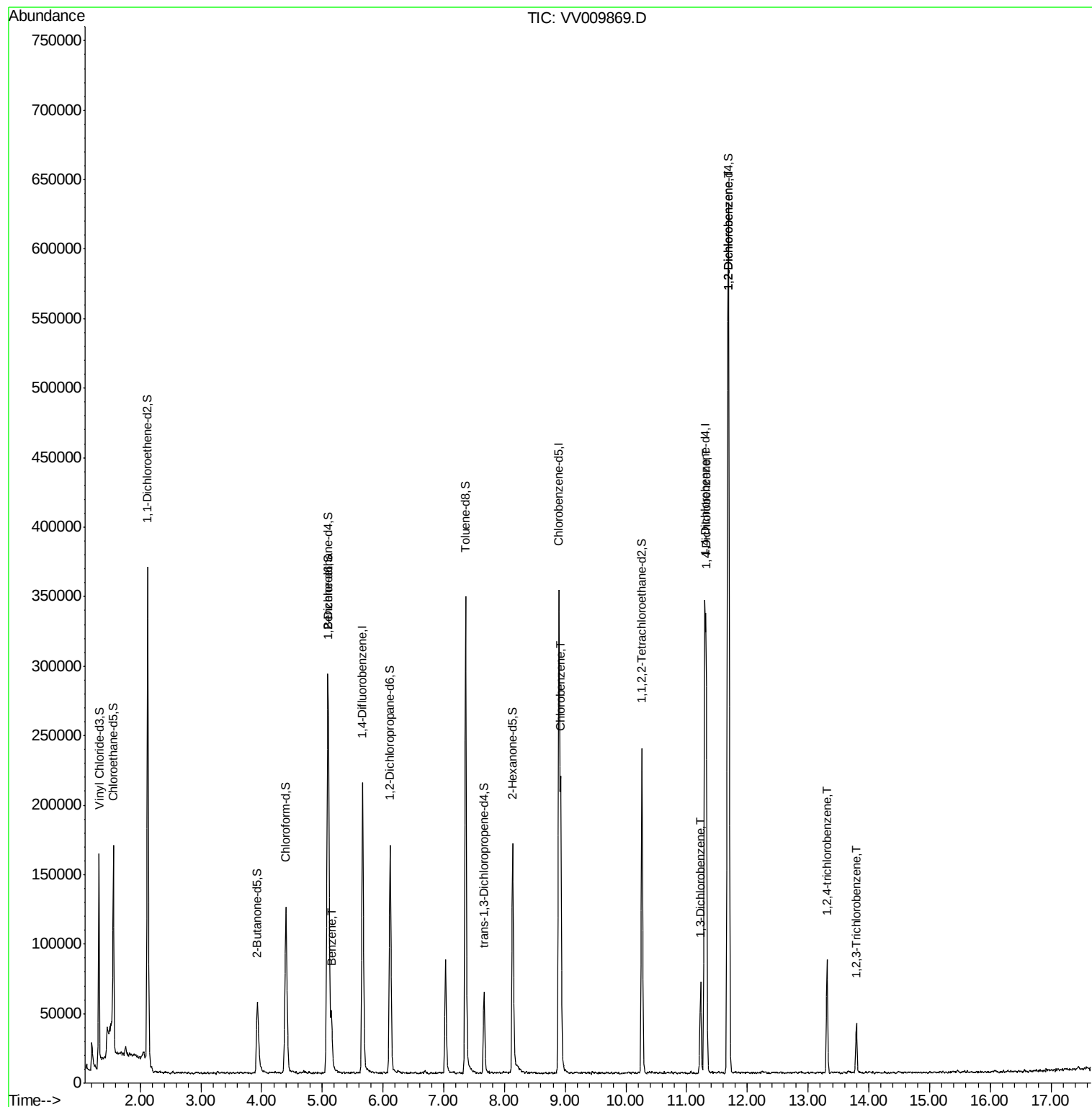
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.15	78	34241	6.811	ug/L	100
51) Chlorobenzene	8.93	112	100552	26.400	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	25251	10.109	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	110521	42.201	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	190030	72.011	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	22158	16.318	ug/L	95
70) 1,2,3-Trichlorobenzene	13.80	180	9563	6.962	ug/L	93

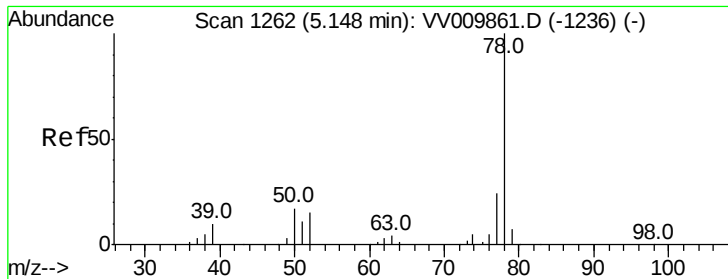
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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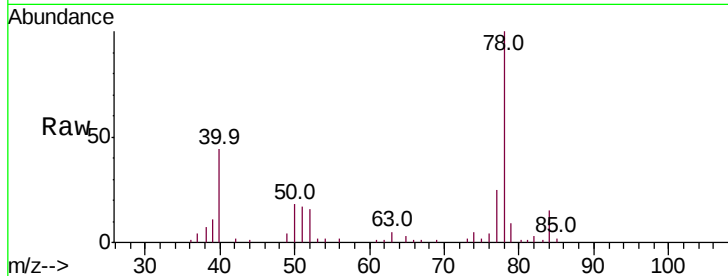




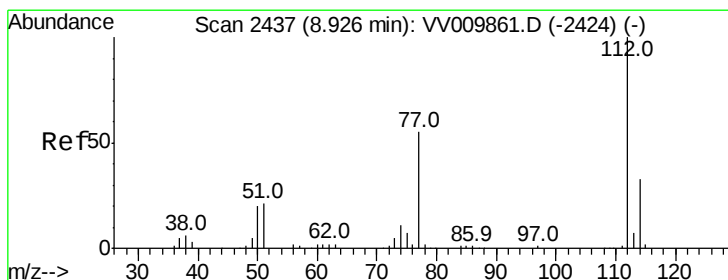
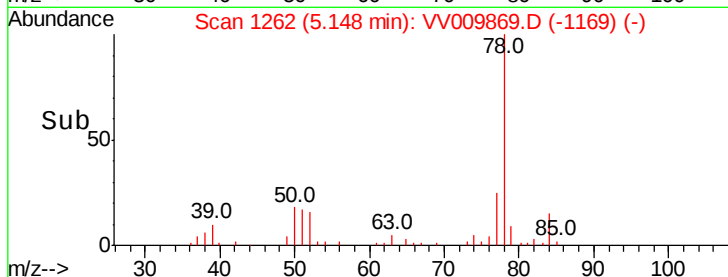
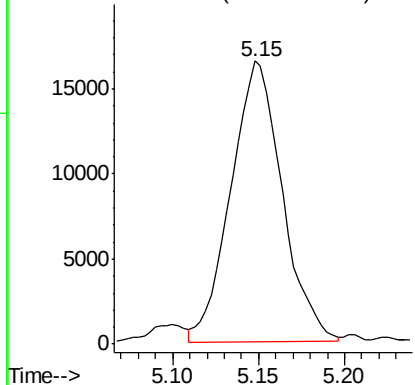
#33
Benzene
Concen: 6.811 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV009869.D
Acq: 25 Mar 2019 18:45

Instrument :
MSVOA_V
ClientSampled :
C09B1

Tgt Ion: 78 Resp: 34241

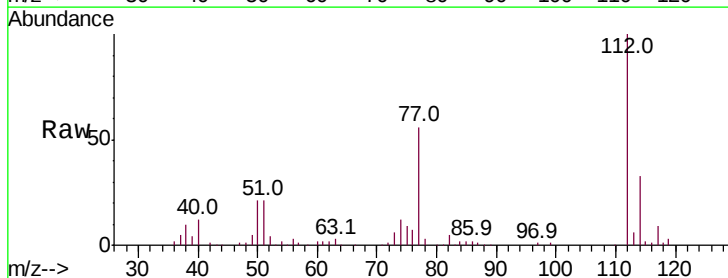


Abundance Ion 78.00 (77.70 to 78.70): VV0

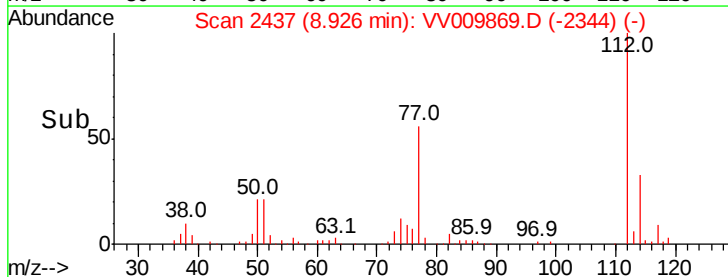
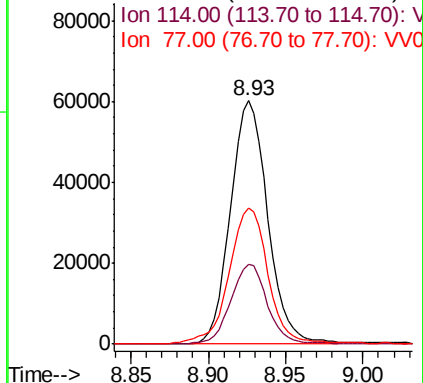


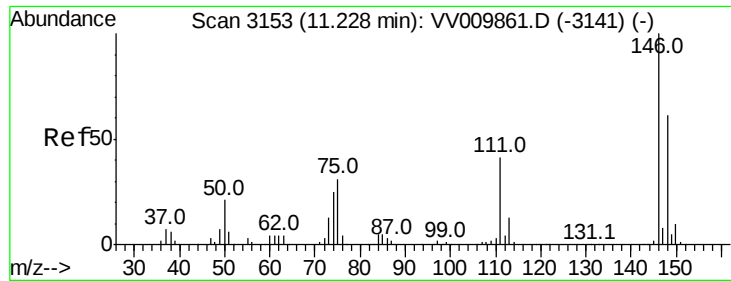
#51
Chlorobenzene
Concen: 26.400 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009869.D
Acq: 25 Mar 2019 18:45

Tgt Ion: 112 Resp: 100552
Ion Ratio Lower Upper
112 100
114 32.8 23.3 43.3
77 55.9 45.8 68.6



Abundance Ion 112.00 (111.70 to 112.70): V





#62

1,3-Dichlorobenzene

Concen: 10.109 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009869.D

Acq: 25 Mar 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

C09B1

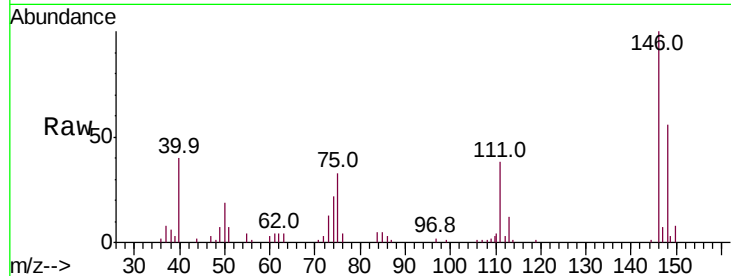
Tot Ion:146 Resp: 25251

Ion Ratio Lower Upper

146 100

111 38.5 27.5 51.1

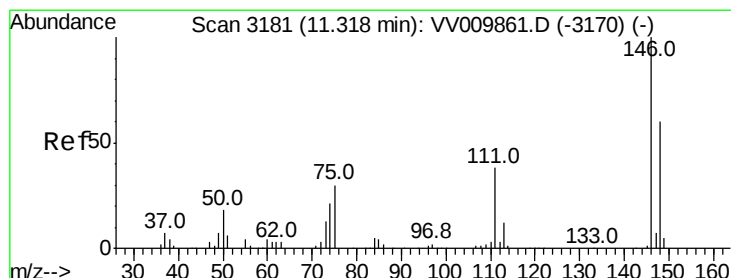
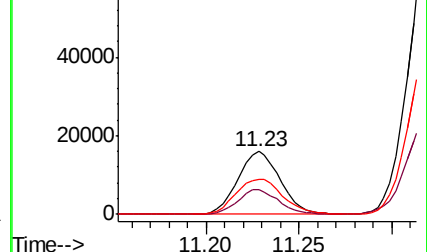
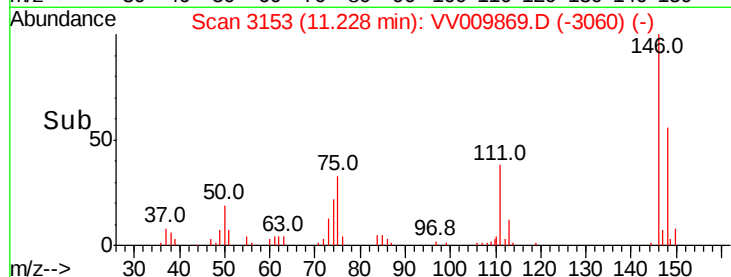
148 55.8 43.0 80.0



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: 42.201 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009869.D

Acq: 25 Mar 2019 18:45

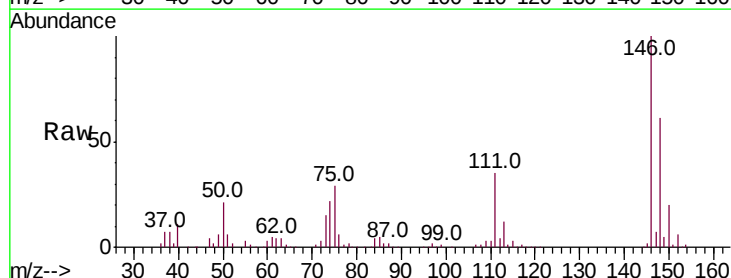
Tgt Ion:146 Resp: 110521

Ion Ratio Lower Upper

146 100

111 35.3 26.5 49.3

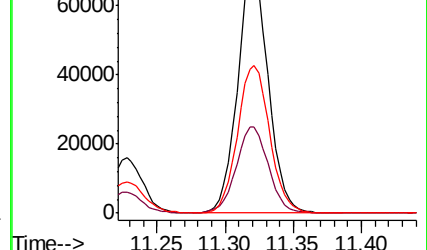
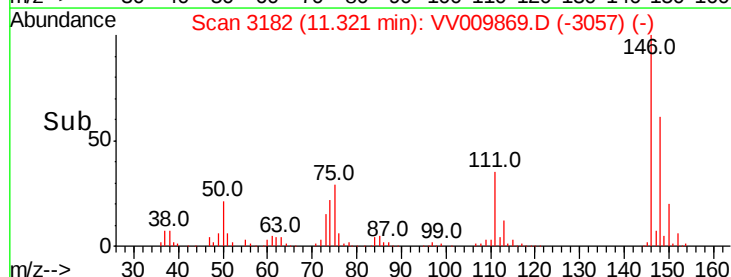
148 60.7 43.2 80.2

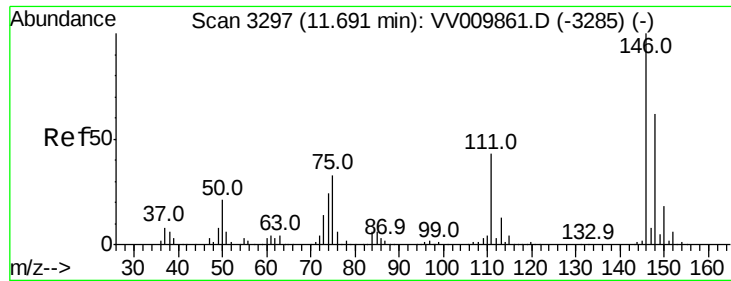


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 72.011 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009869.D

Acq: 25 Mar 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

C09B1

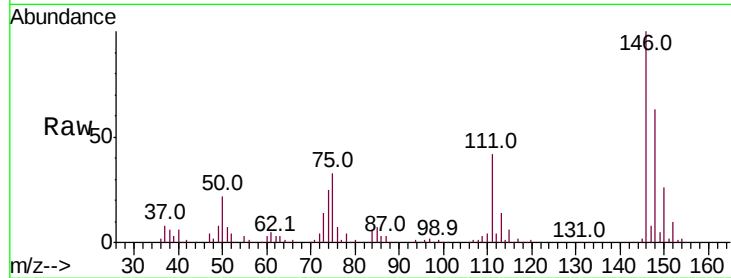
Tot Ion:146 Resp: 190030

Ion	Ratio	Lower	Upper
146	100		
111	42.4	33.0	49.6
148	63.0	53.2	79.8

146 100

111 42.4 33.0 49.6

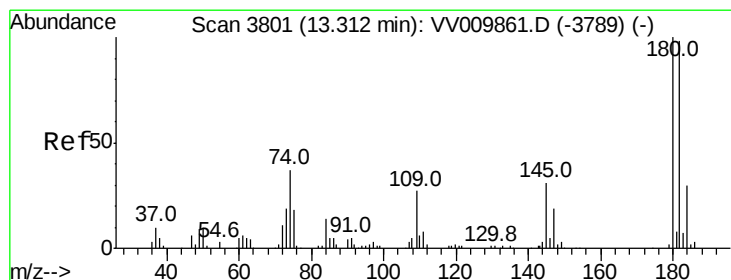
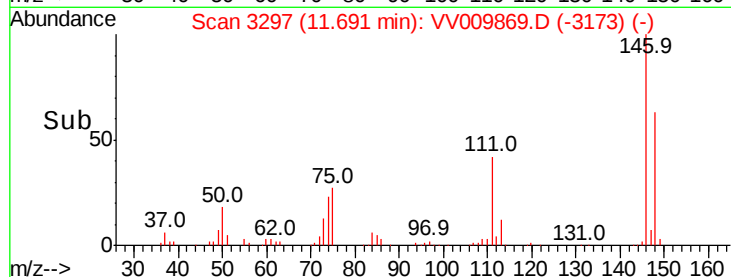
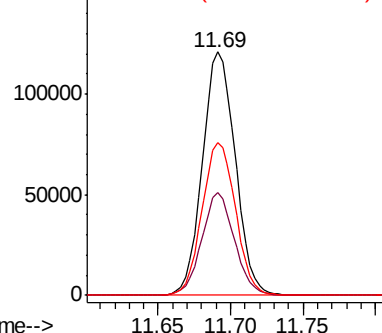
148 63.0 53.2 79.8



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: 16.318 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VV009869.D

Acq: 25 Mar 2019 18:45

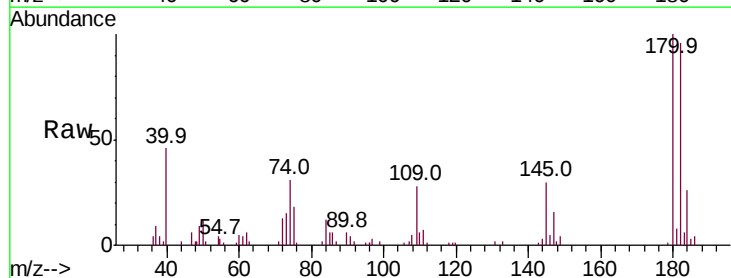
Tgt Ion:180 Resp: 22158

Ion	Ratio	Lower	Upper
180	100		
182	91.0	77.1	115.7
145	29.3	24.3	36.5

180 100

182 91.0 77.1 115.7

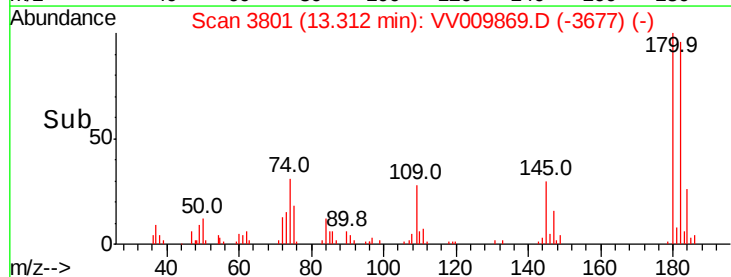
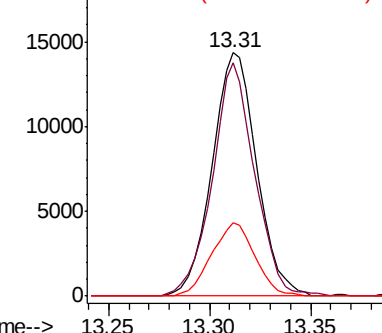
145 29.3 24.3 36.5

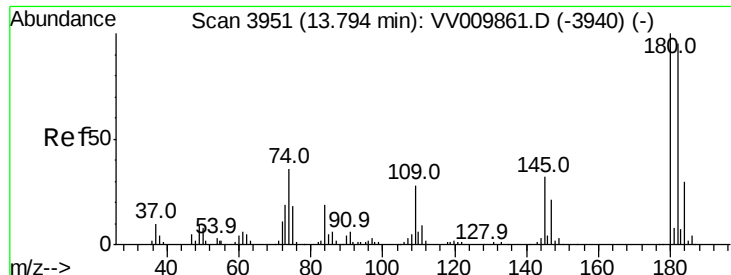


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 6.962 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009869.D

Acq: 25 Mar 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

C09B1

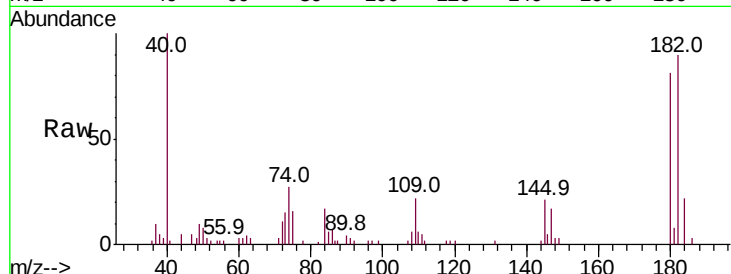
Tot Ion:180 Resp: 9563

Ion Ratio Lower Upper

180 100

182 101.3 75.6 113.4

145 27.8 24.8 37.2



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

