

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032519\
 Data File : VV009880.D
 Acq On : 25 Mar 2019 23:11
 Operator : SY/MD
 Sample : K2070-17 400X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09E3

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 11:06:18 AM

Quant Time: Mar 26 09:26:43 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	5.67	114	171450	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	169169	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67487	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85823	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.04%
7) Chloroethane-d5	1.56	69	97648	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.14%
11) 1,1-Dichloroethene-d2	2.13	63	186400	36.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.24%
21) 2-Butanone-d5	3.93	46	79233	101.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.40%
24) Chloroform-d	4.40	84	111913	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.94%
26) 1,2-Dichloroethane-d4	5.08	65	79417	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
32) Benzene-d6	5.10	84	239568	52.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.34%
36) 1,2-Dichloropropane-d6	6.12	67	74995	52.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.88%
41) Toluene-d8	7.36	98	219016	48.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.42%
43) trans-1,3-Dichloropropene-	7.66	79	26917	41.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.20%
47) 2-Hexanone-d5	8.14	63	58327	100.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.45%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	103608	45.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.14%
64) 1,2-Dichlorobenzene-d4	11.67	152	78644	50.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

					Ovalue	
33) Benzene	5.15	78	8037m	1.627	ug/L	
51) Chlorobenzene	8.93	112	22864	6.111	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	5676	2.455	ug/L	93
63) 1,4-Dichlorobenzene	11.32	146	21057	8.688	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	36922	15.118	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	3868	3.078	ug/L #	84
70) 1,2,3-Trichlorobenzene	13.80	180	1425	1.121	ug/L #	83

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

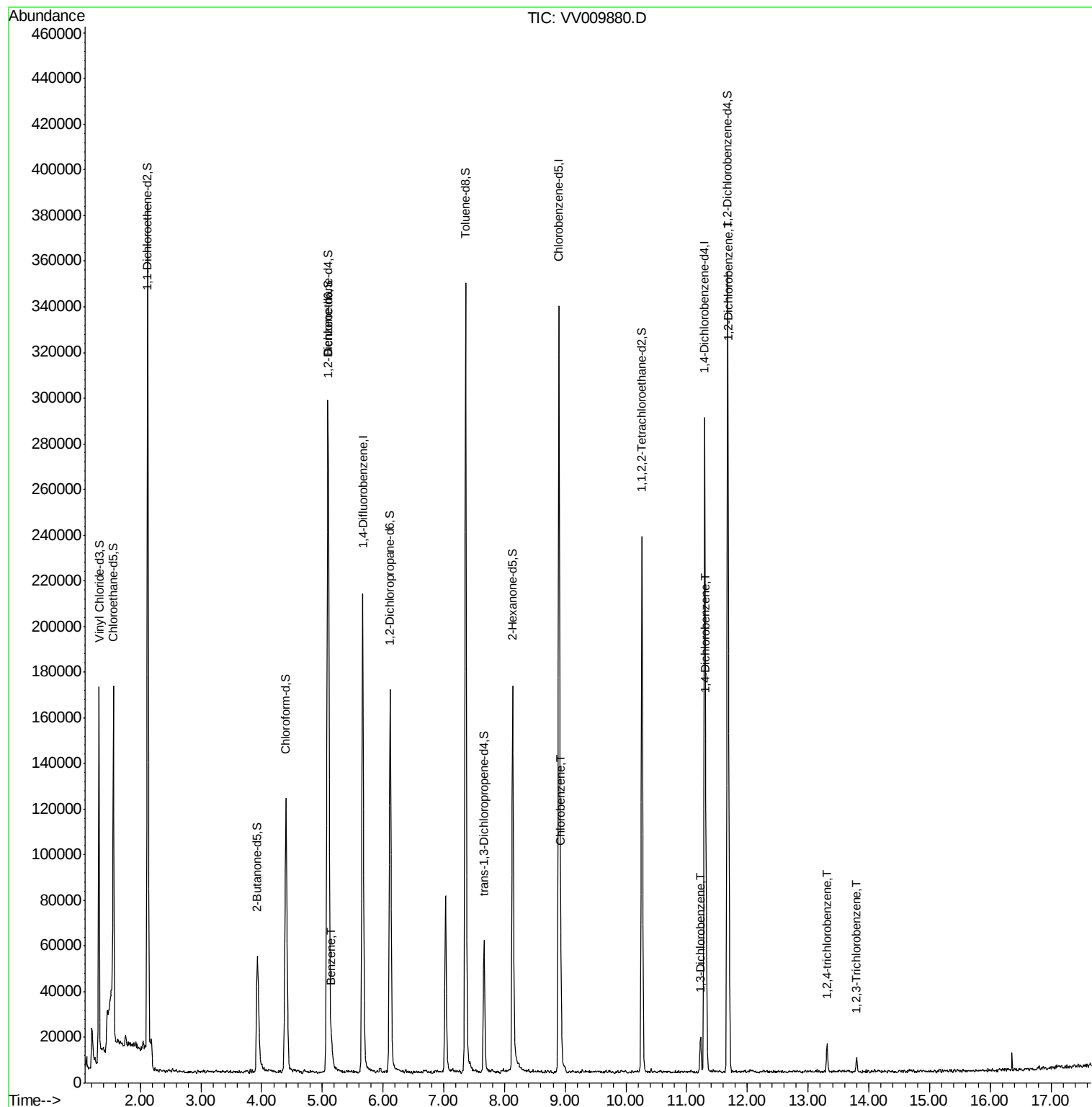
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV032519\
Data File : VV009880.D
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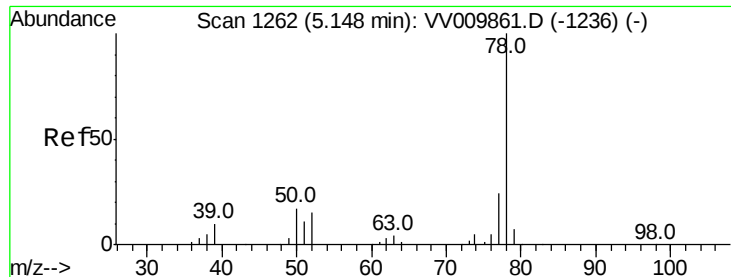
Instrument :
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Response via : Initial Calibration





#33

Benzene

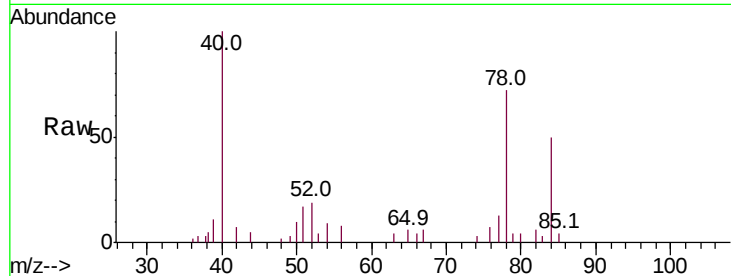
Concen: 1.627 ug/L m
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV009880.D
Acq: 25 Mar 2019 23:11

Instrument :
MSVOA_V
ClientSampleId :
C09E3

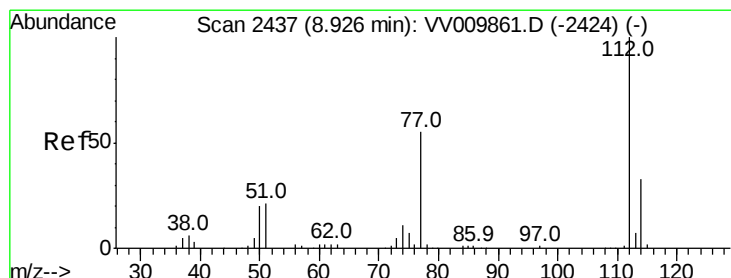
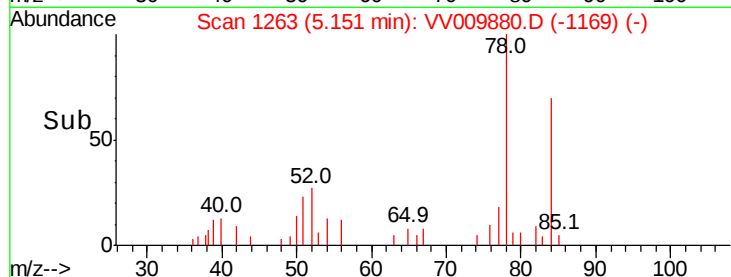
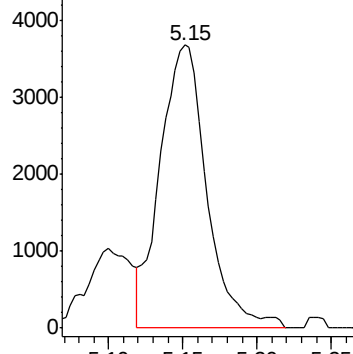
Tgt Ion: 78 Resp: 8037

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Abundance Ion 78.00 (77.70 to 78.70): VV0

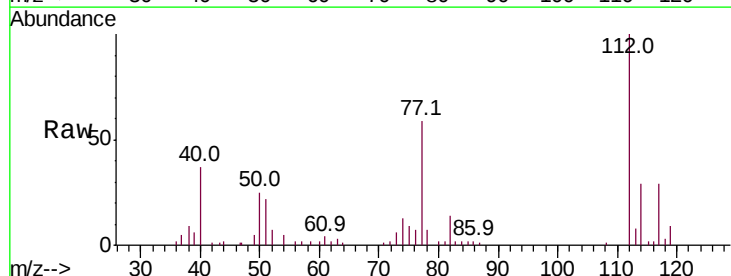


#51

Chlorobenzene

Concen: 6.111 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV009880.D
Acq: 25 Mar 2019 23:11

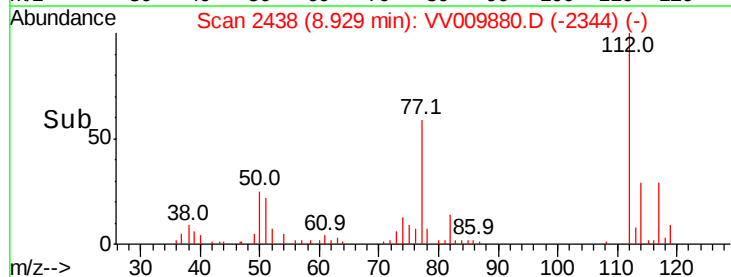
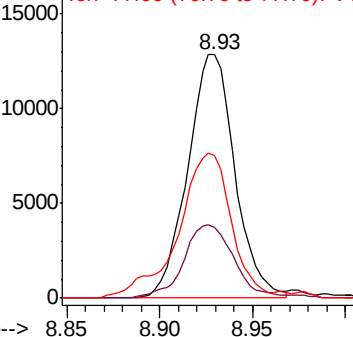
Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.9	23.3	43.3
77	58.7	45.8	68.6

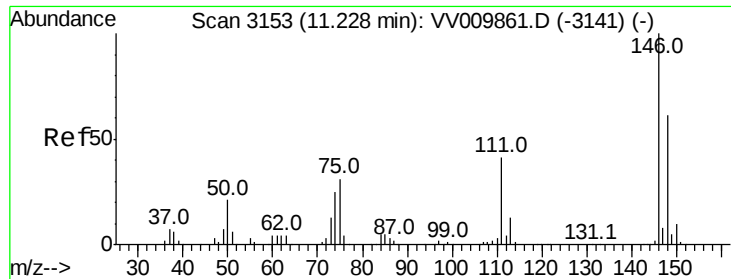


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 2.455 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.01 min

Lab File: VV009880.D

Acq: 25 Mar 2019 23:11

Instrument :

MSVOA_V

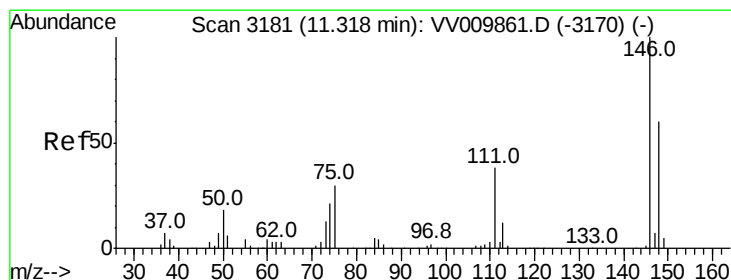
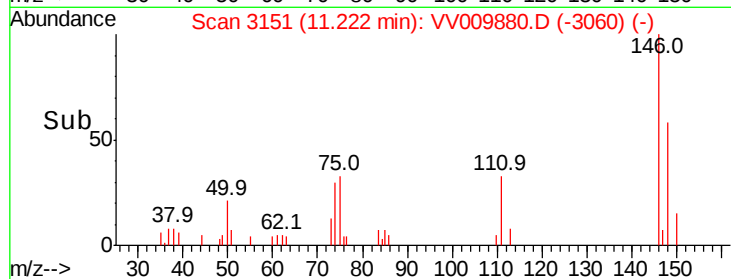
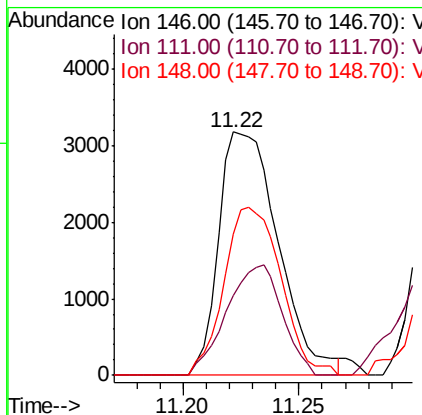
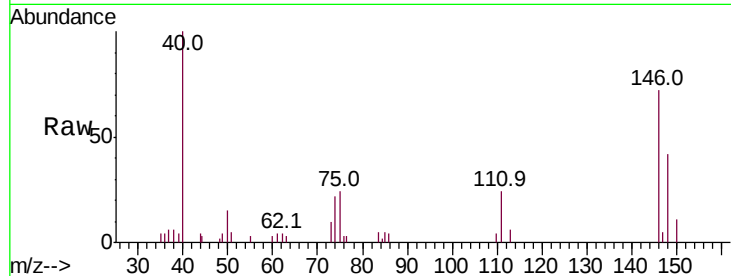
ClientSampled :

C09E3

Tot Ion:	146	Resp:	5676
Ion Ratio	Lower	Upper	
146	100		
111	33.0	27.5	51.1
148	57.9	43.0	80.0

Manual Integrations
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#63

1,4-Dichlorobenzene

Concen: 8.688 ug/L

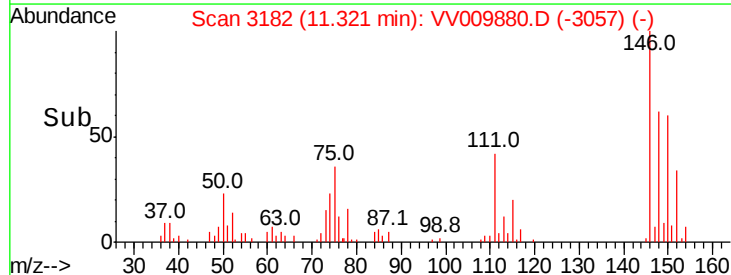
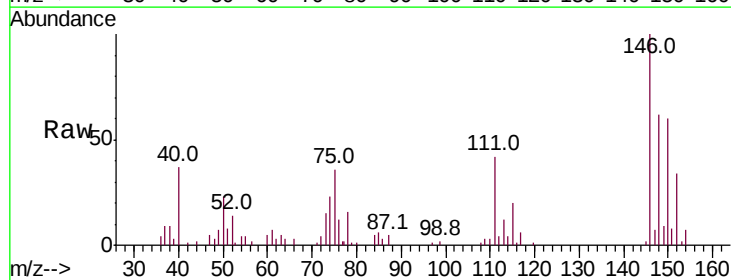
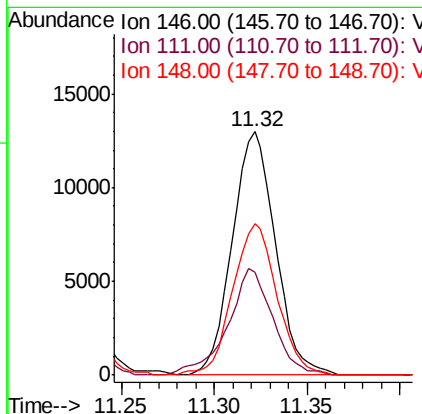
RT: 11.32 min Scan# 3182

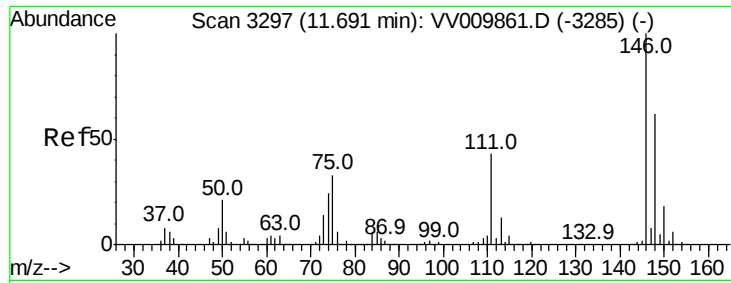
Delta R.T. 0.00 min

Lab File: VV009880.D

Acq: 25 Mar 2019 23:11

Tgt Ion:	146	Resp:	21057
Ion Ratio	Lower	Upper	
146	100		
111	42.4	26.5	49.3
148	62.3	43.2	80.2





#65

1,2-Dichlorobenzene

Concen: 15.118 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009880.D

Acq: 25 Mar 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

C09E3

Tot Ion:146 Resp: 36922

Ion Ratio Lower Upper

146 100

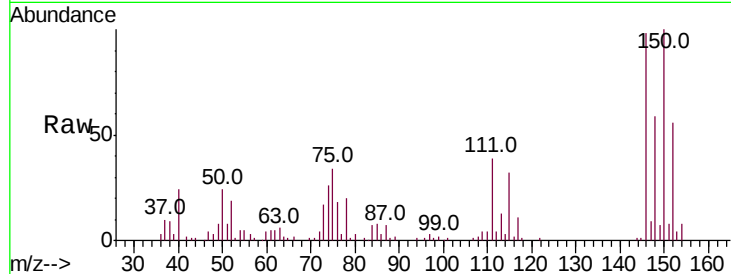
111 40.3 33.0 49.6

148 60.3 53.2 79.8

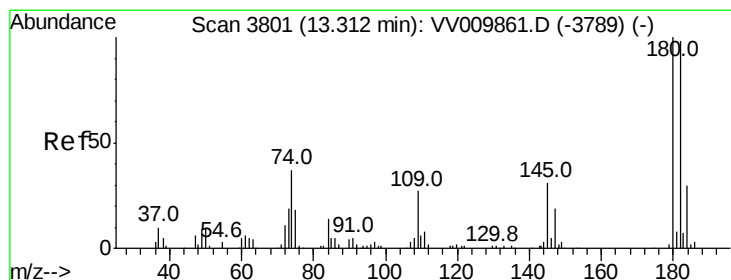
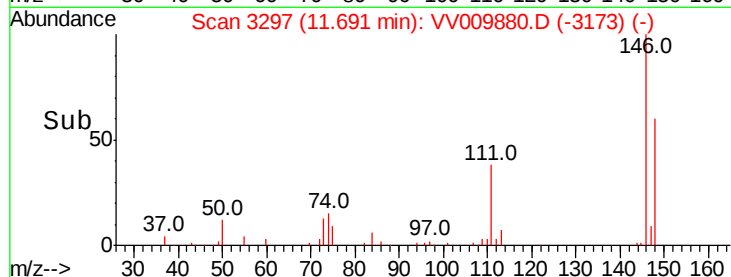
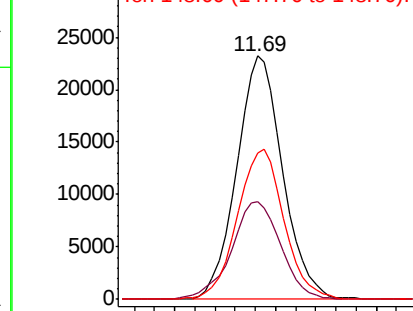
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3/26/2019 11:06:18 AM



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: 3.078 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. -0.00 min

Lab File: VV009880.D

Acq: 25 Mar 2019 23:11

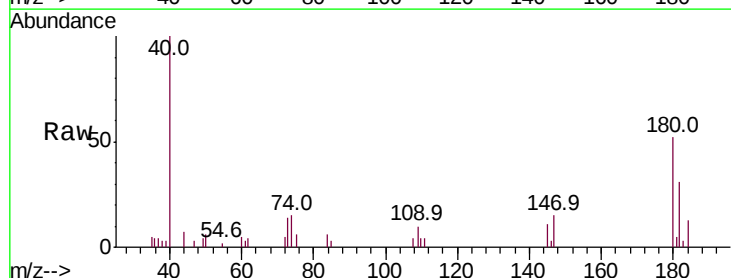
Tgt Ion:180 Resp: 3868

Ion Ratio Lower Upper

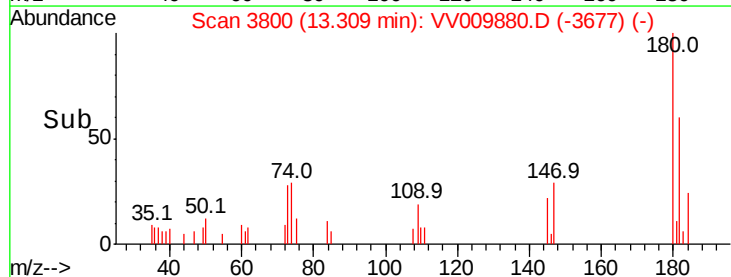
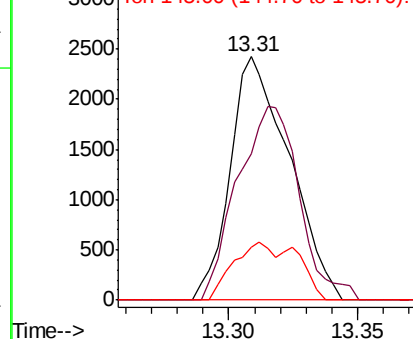
180 100

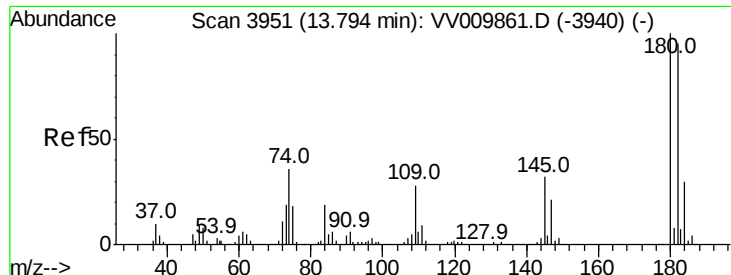
182 83.4 77.1 115.7

145 16.5 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: 1.121 ug/L
 RT: 13.80 min Scan# 3953
 Delta R.T. 0.01 min
 Lab File: VV009880.D
 Acq: 25 Mar 2019 23:11

Instrument :
 MSVOA_V
 ClientSampleId :
 C09E3

Tot Ion	Ratio	Lower	Upper
180	100		
182	112.2	75.6	113.4
145	38.9	24.8	37.2

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 3/26/2019 11:06:18 AM

