

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031819\
 Data File : VV009762.D
 Acq On : 18 Mar 2019 16:35
 Operator : SY/MD
 Sample : K1967-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B0

Quant Time: Mar 19 05:08:41 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	5.67	114	147539	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	145194	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73404	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42148	42.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.74%
7) Chloroethane-d5	1.56	69	34932	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.12	63	70624	33.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.68%
21) 2-Butanone-d5	3.93	46	57829	97.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.60%
24) Chloroform-d	4.40	84	81650	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.36%
26) 1,2-Dichloroethane-d4	5.08	65	52012	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
32) Benzene-d6	5.10	84	175440	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
36) 1,2-Dichloropropane-d6	6.12	67	52989	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.74%
41) Toluene-d8	7.36	98	170052	46.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.16%
43) trans-1,3-Dichloropropene-	7.67	79	24868	45.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.06%
47) 2-Hexanone-d5	8.14	63	43008	91.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.48%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	78226	44.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.28%
64) 1,2-Dichlorobenzene-d4	11.68	152	70308	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%

Target Compounds

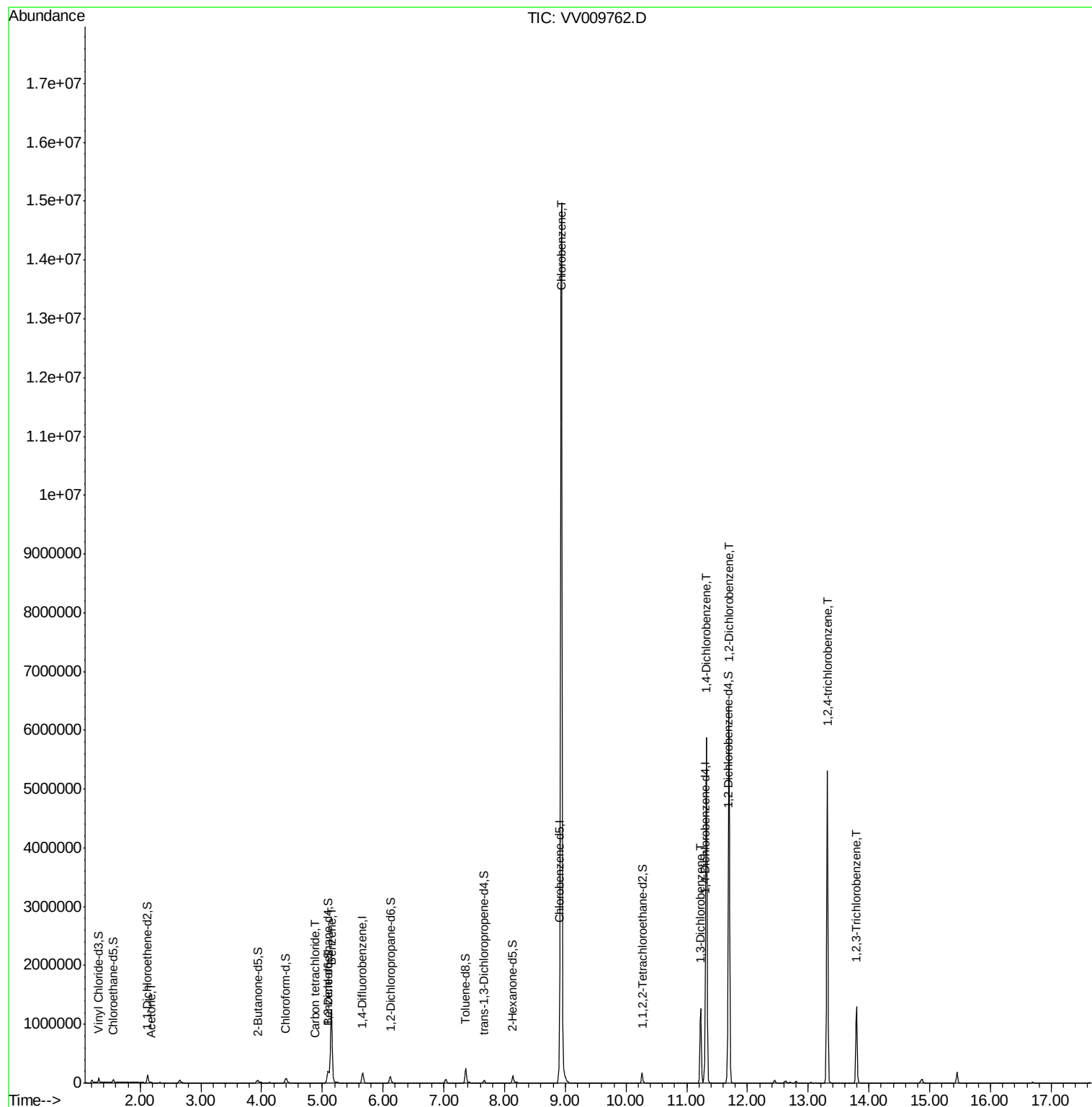
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.19	43	2767	4.930	ug/L	92
31) Carbon tetrachloride	4.88	117	2420	1.854	ug/L	92
33) Benzene	5.15	78	1259423	317.803	ug/L	100
51) Chlorobenzene	8.94	112	7355542	2480.607	ug/L	92
62) 1,3-Dichlorobenzene	11.23	146	499161	207.279	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	2165198	891.215	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	2274624	925.707	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	1424203	1326.791	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	346911	322.377	ug/L	97

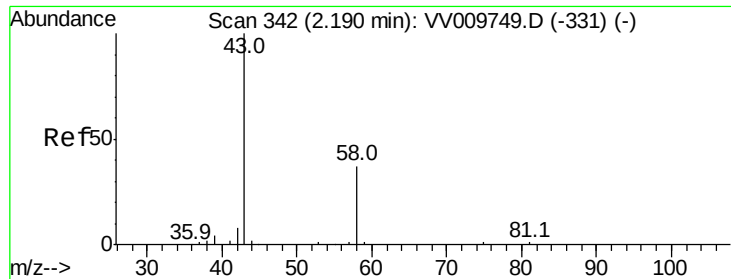
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.930 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV009762.D

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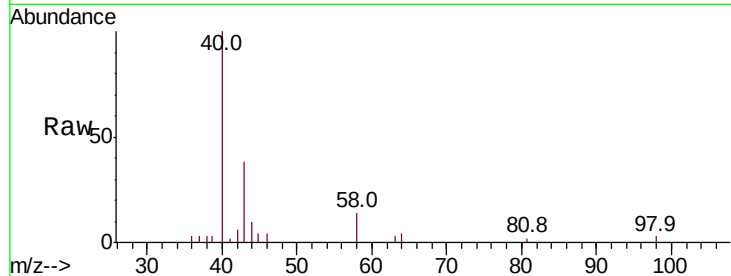
Instrument :
MSVOA_V
ClientSampleId :
C09B0

Tot Ion: 43 Resp: 2767

Ion Ratio Lower Upper

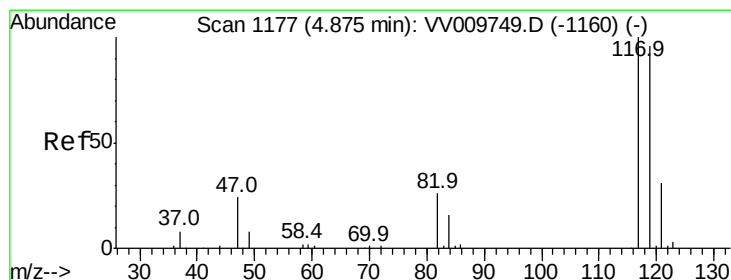
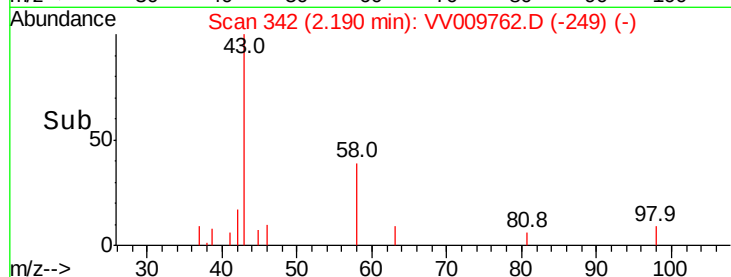
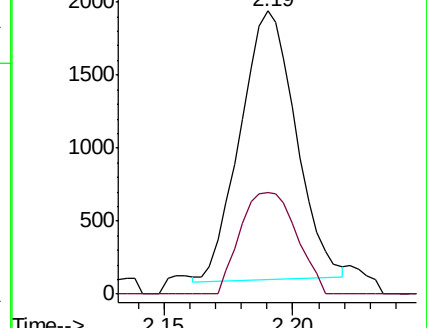
43 100

58 38.3 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) (-)



#31

Carbon tetrachloride

Concen: 1.854 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009762.D

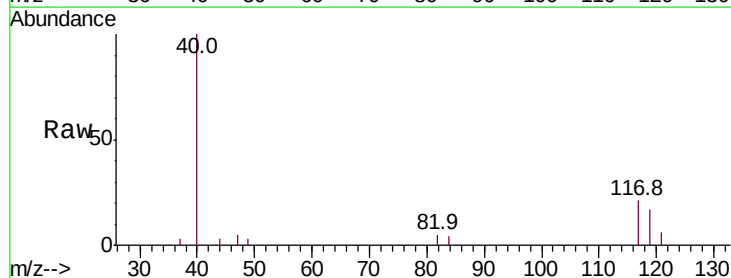
Acq: 18 Mar 2019 16:35

Tgt Ion: 117 Resp: 2420

Ion Ratio Lower Upper

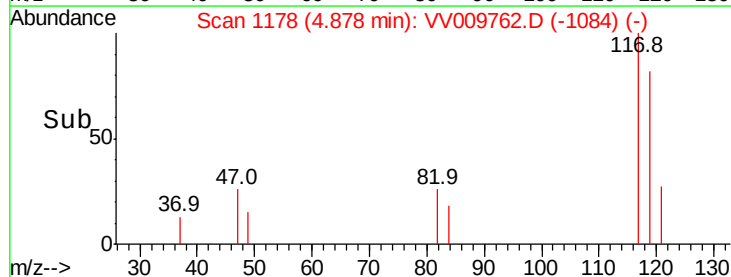
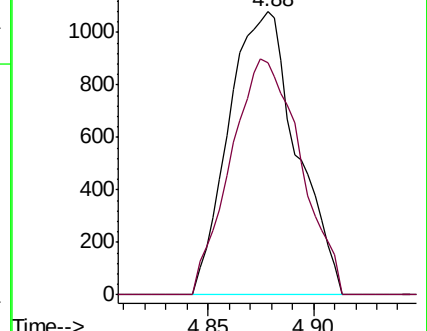
117 100

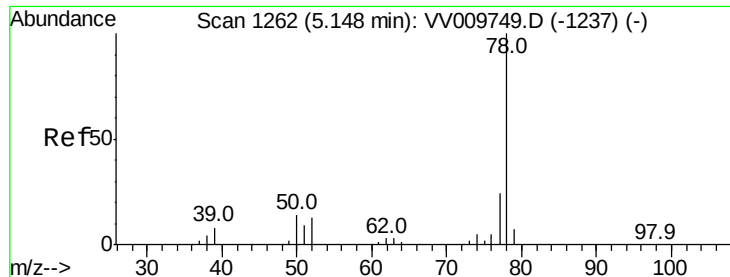
119 85.5 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): VV009749.D (-1160) (-)

Ion 119.00 (118.70 to 119.70): VV009749.D (-1160) (-)





#33

Benzene

Concen: 317.803 ug/L

RT: 5.15 min Scan# 1262

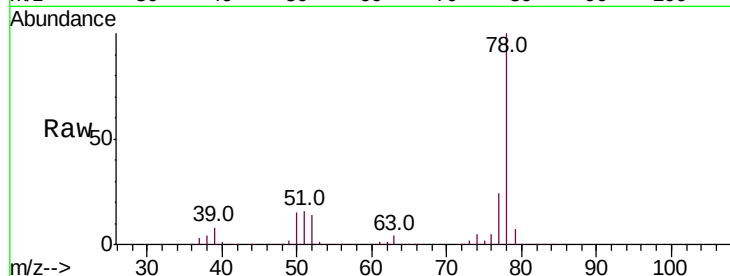
Delta R.T. 0.00 min

Lab File: VV009762.D

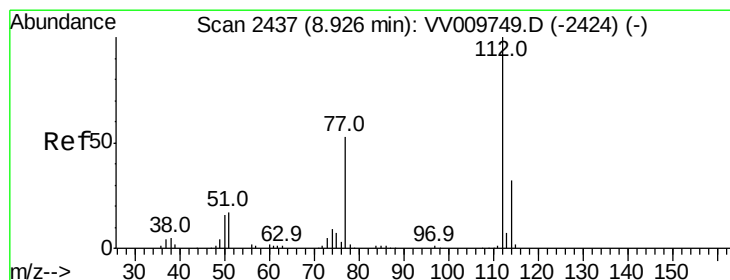
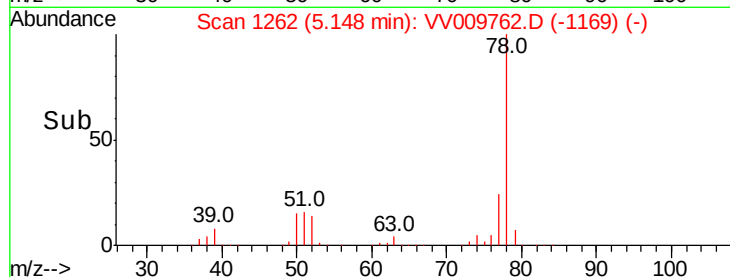
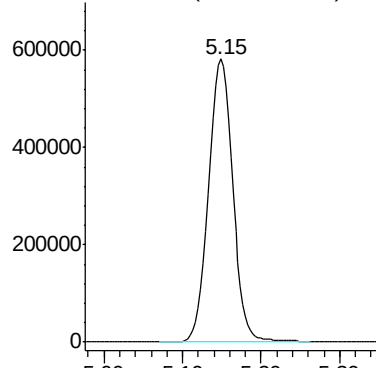
Acq: 18 Mar 2019 16:35

Instrument :
MSVOA_V
ClientSampled :
C09B0

Tgt Ion: 78 Resp: 1259423



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 2480.607 ug/L

RT: 8.94 min Scan# 2440

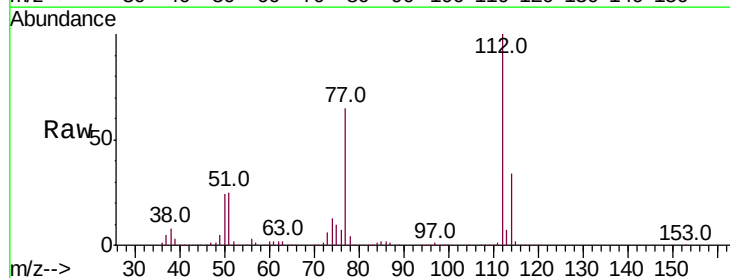
Delta R.T. 0.01 min

Lab File: VV009762.D

Acq: 18 Mar 2019 16:35

Tgt Ion: 112 Resp: 7355542

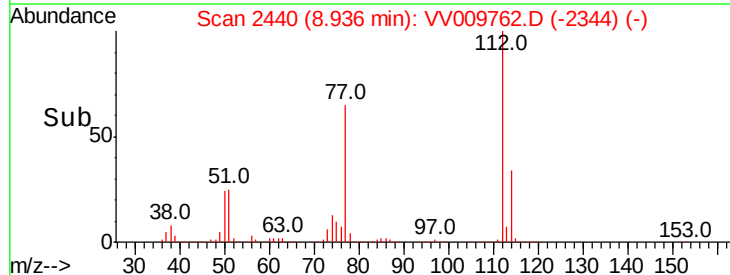
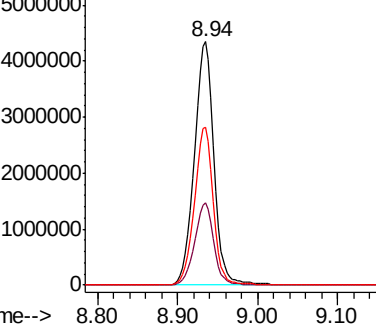
Ion	Ratio	Lower	Upper
112	100		
114	33.6	22.5	41.9
77	64.7	45.4	68.2

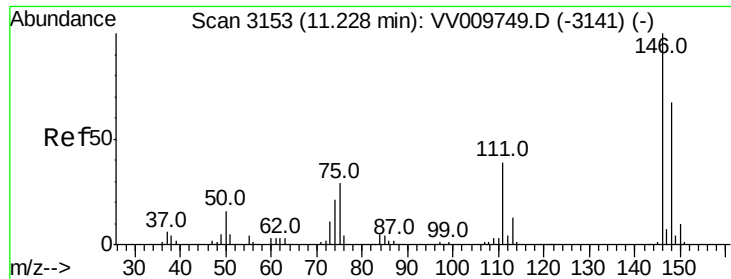


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 207.279 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009762.D

Acq: 18 Mar 2019 16:35

Instrument :

MSVOA_V

ClientSampleId :

C09B0

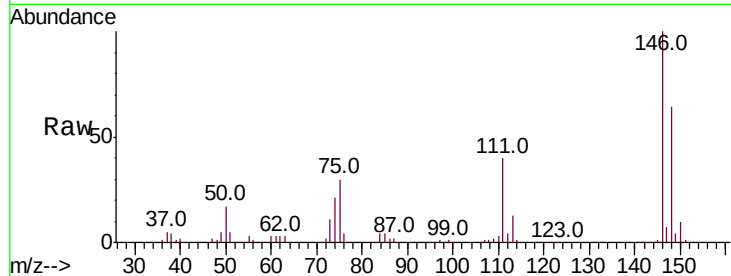
Tot Ion:146 Resp: 499161

Ion Ratio Lower Upper

146 100

111 39.9 28.8 53.4

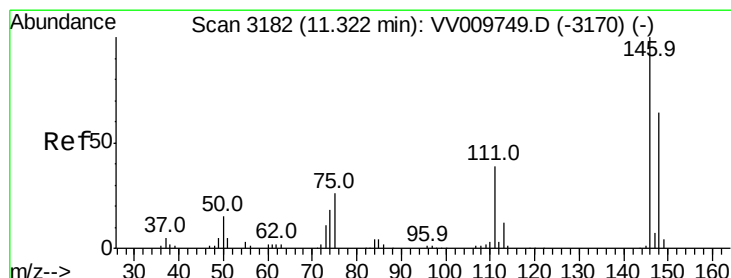
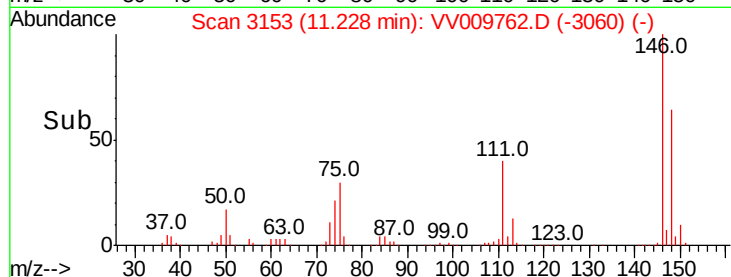
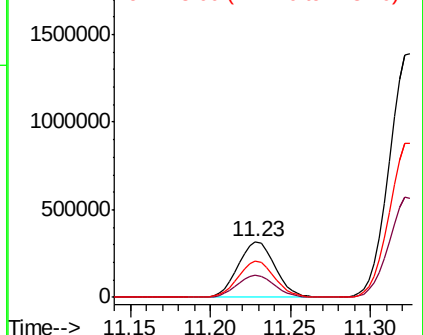
148 64.4 44.8 83.2



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: 891.215 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV009762.D

Acq: 18 Mar 2019 16:35

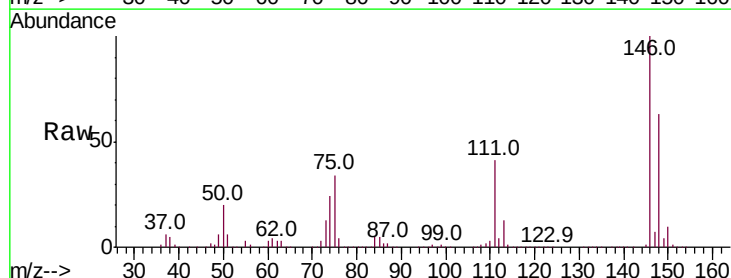
Tgt Ion:146 Resp: 2165198

Ion Ratio Lower Upper

146 100

111 40.7 26.7 49.5

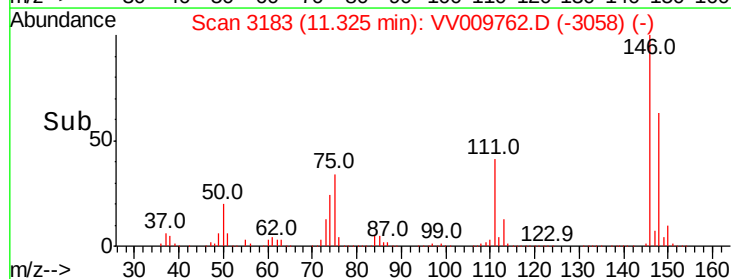
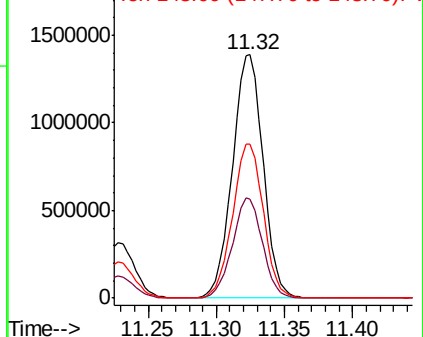
148 63.5 44.3 82.3

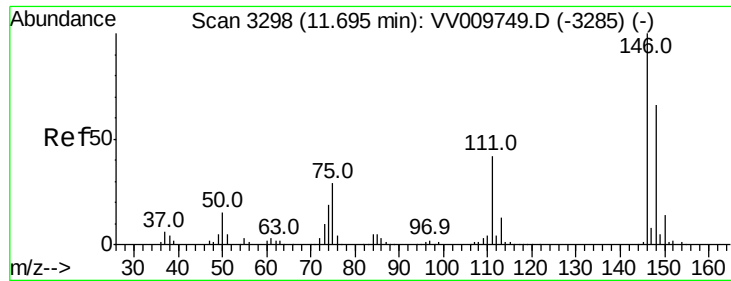


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 925.707 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV009762.D

Acq: 18 Mar 2019 16:35

Instrument :

MSVOA_V

ClientSampleId :

C09B0

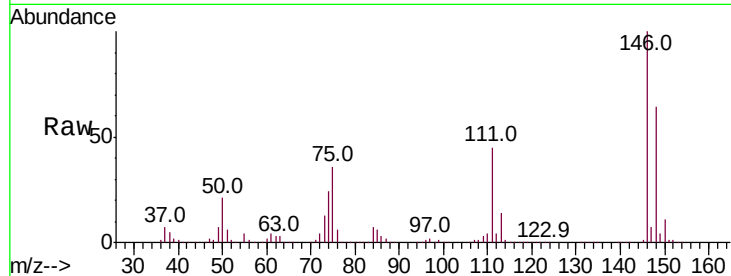
Tot Ion:146 Resp: 2274624

Ion Ratio Lower Upper

146 100

111 44.9 32.2 48.4

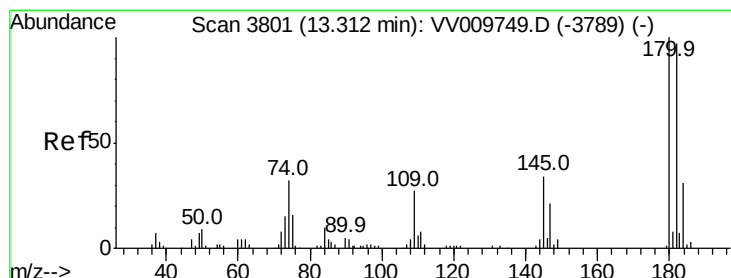
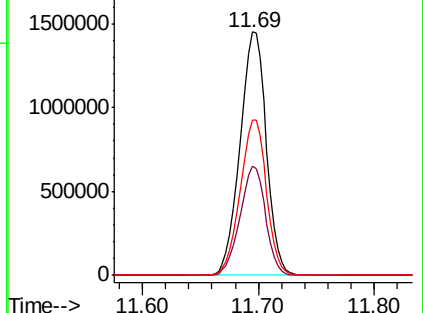
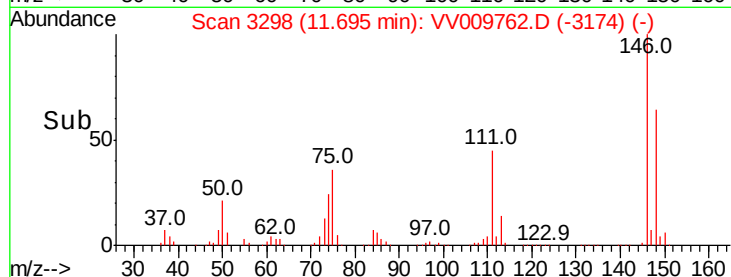
148 63.9 49.6 74.4



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: 1326.791 ug/L

RT: 13.32 min Scan# 3802

Delta R.T. 0.00 min

Lab File: VV009762.D

Acq: 18 Mar 2019 16:35

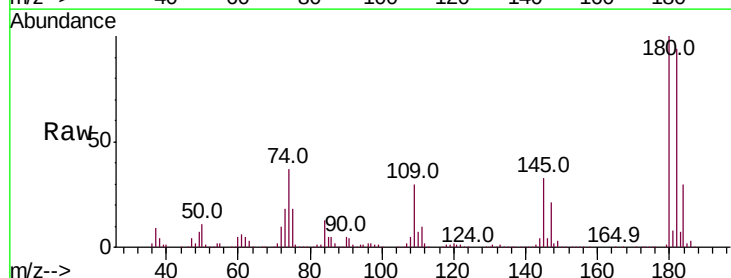
Tgt Ion:180 Resp: 1424203

Ion Ratio Lower Upper

180 100

182 94.3 75.7 113.5

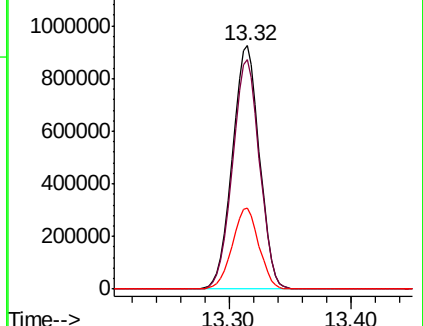
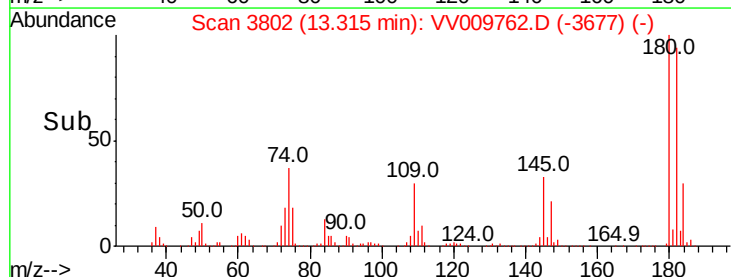
145 32.9 25.3 37.9

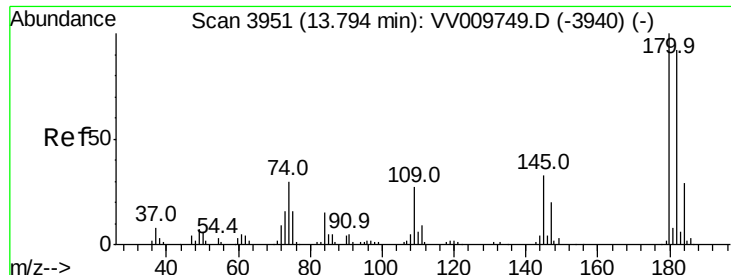


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 322.377 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009762.D

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ClientSampleId :

C09B0

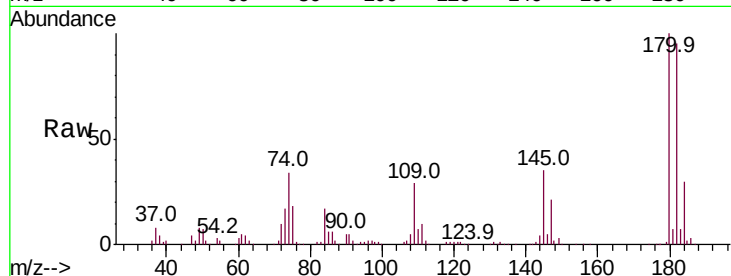
Tot Ion:180 Resp: 346911

Ion Ratio Lower Upper

180 100

182 94.3 73.3 109.9

145 34.2 26.4 39.6



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

