

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030920\
 Data File : VV014774.D
 Acq On : 09 Mar 2020 14:13
 Operator : SY/MD
 Sample : L1834-16
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DK9

Quant Time: Mar 10 14:48:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	433550	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	430556	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	221414	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123578	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.24%
7) Chloroethane-d5	1.58	69	100147	43.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.36%
11) 1,1-Dichloroethene-d2	2.12	63	159930	32.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.60%
21) 2-Butanone-d5	3.94	46	193422	88.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.39%
24) Chloroform-d	4.38	84	262576	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.52%
26) 1,2-Dichloroethane-d4	5.06	65	174689	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.58%
32) Benzene-d6	5.08	84	534654	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
36) 1,2-Dichloropropane-d6	6.10	67	169291	44.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.86%
41) Toluene-d8	7.34	98	506928	45.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.06%
43) trans-1,3-Dichloropropene-	7.64	79	81603	44.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.72%
47) 2-Hexanone-d5	8.12	63	151075	90.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.30%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	230154	44.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	208525	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%

Target Compounds

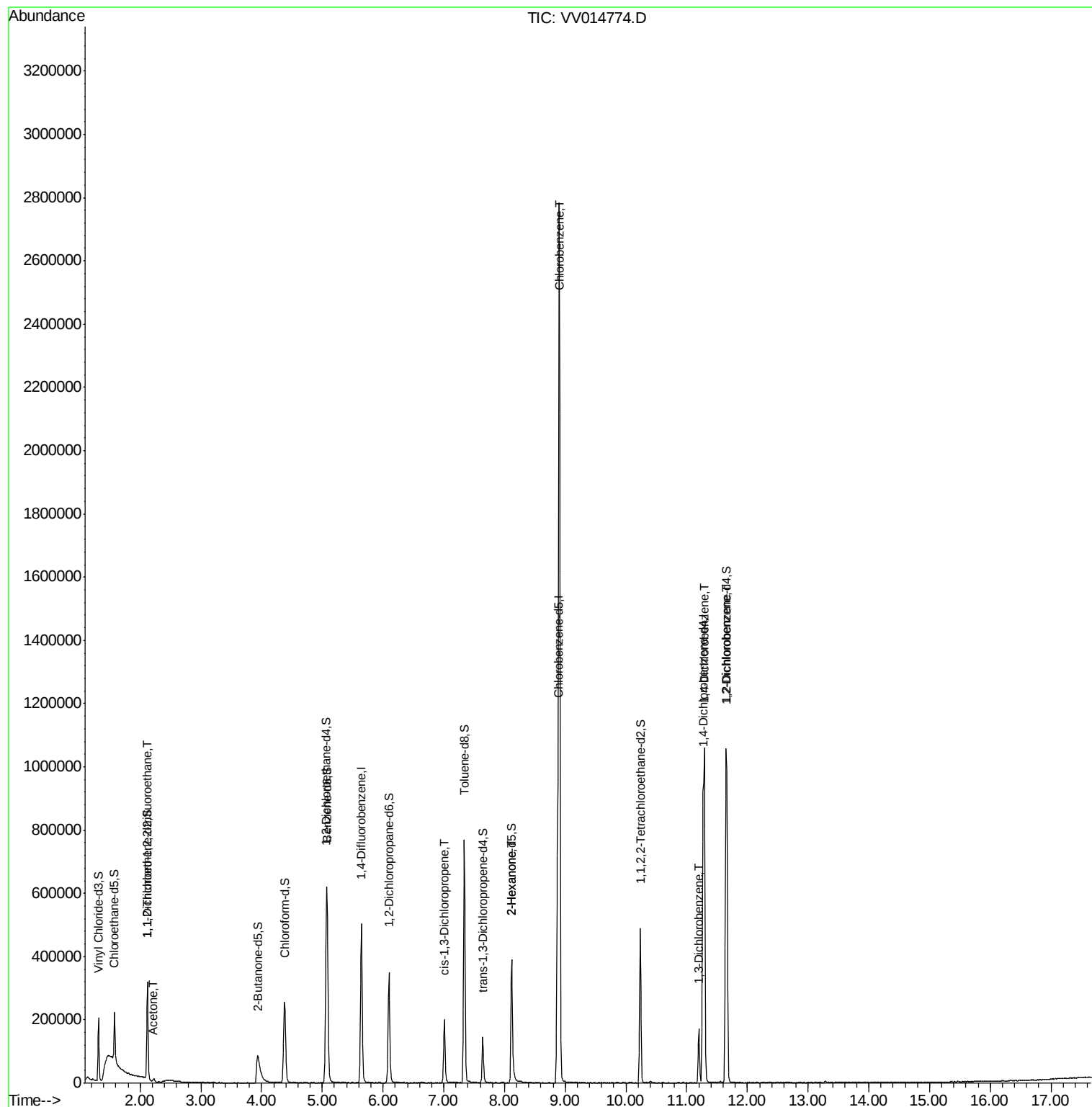
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1547	0.64	ug/L #	16
13) Acetone	2.20	43	1745	0.96	ug/L	97
39) cis-1,3-Dichloropropene	7.01	75	4398	0.83	ug/L #	52
48) 2-Hexanone	8.12	43	17596	4.58	ug/L #	78
51) Chlorobenzene	8.90	112	1443352	163.02	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	70199	9.80	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	399220	55.34	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	328449	46.08	ug/L	99

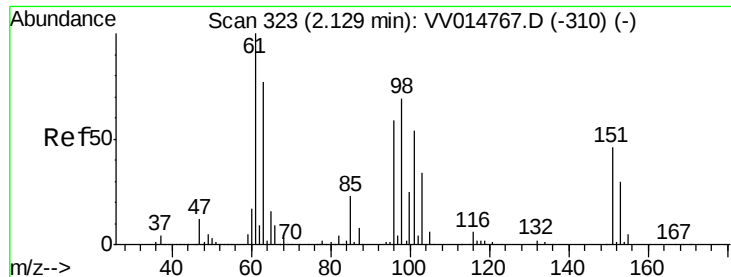
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.64 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014774.D

Acq: 09 Mar 2020 14:13

Instrument :

MSVOA_V

ClientSampleId :

C0DK9

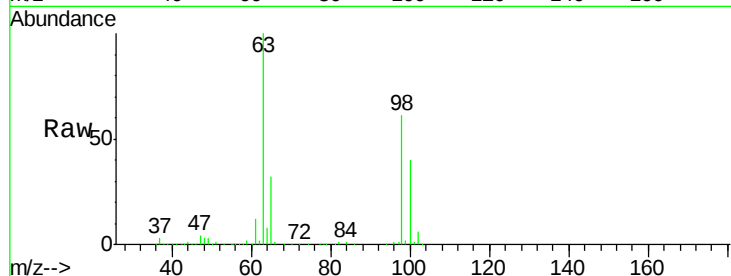
Tgt Ion: 101 Resp: 1547

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

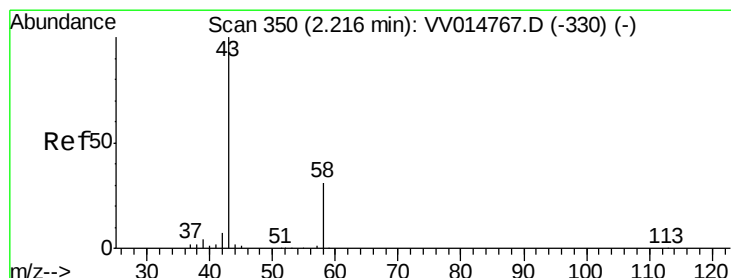
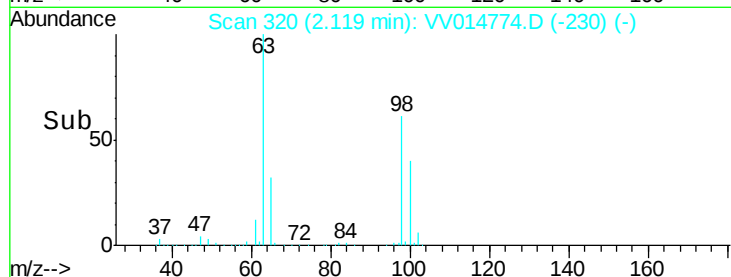
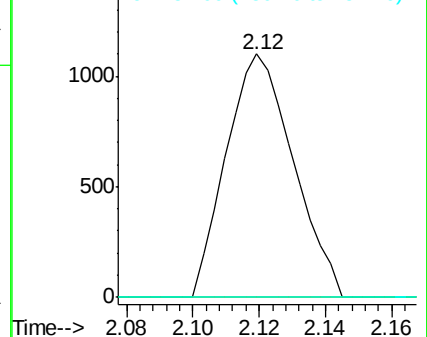
151 0.0 66.4 99.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 0.96 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

Lab File: VV014774.D

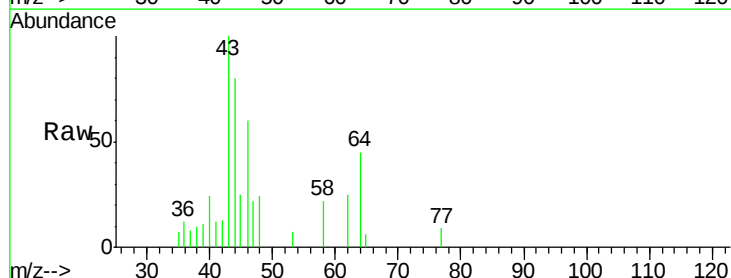
Acq: 09 Mar 2020 14:13

Tgt Ion: 43 Resp: 1745

Ion Ratio Lower Upper

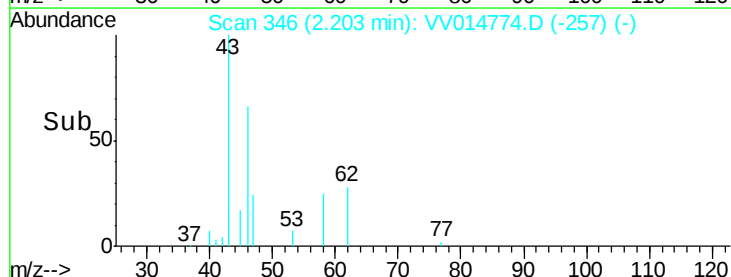
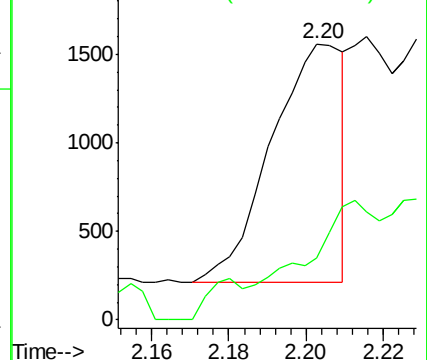
43 100

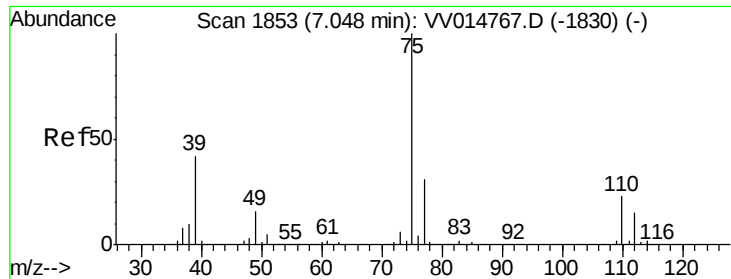
58 32.5 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#39

cis-1,3-Dichloropropene

Concen: 0.83 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV014774.D

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Instrument :

MSVOA_V

ClientSampleId :

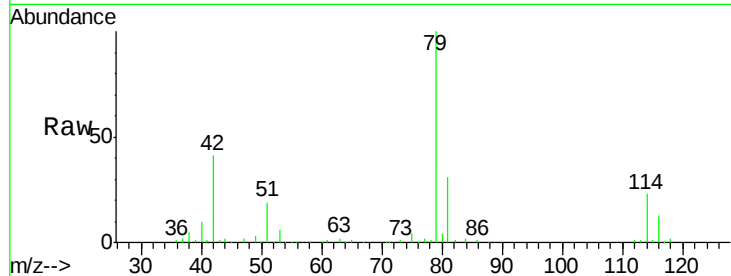
C0DK9

Tgt Ion: 75 Resp: 4398

Ion Ratio Lower Upper

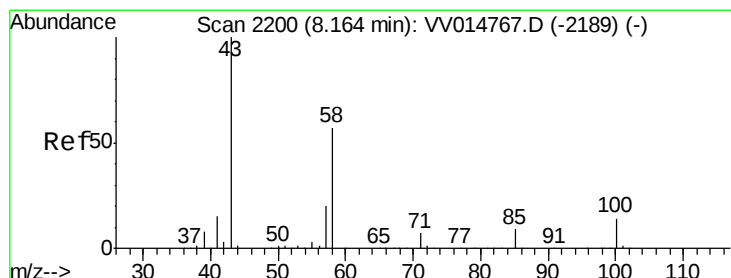
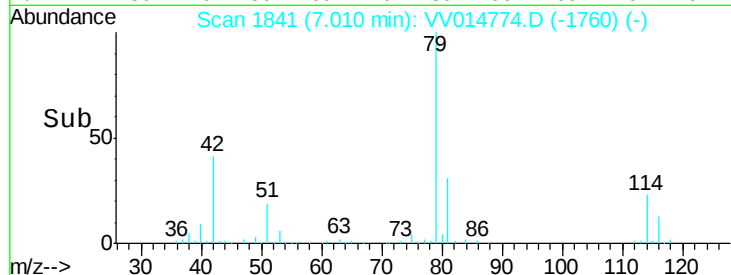
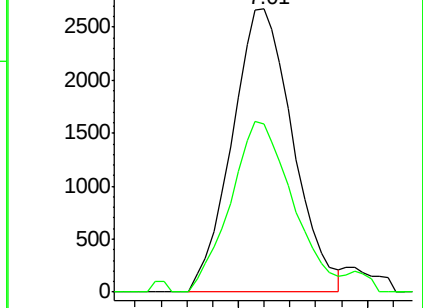
75 100

77 59.5 22.8 42.4#



Abundance Ion 75.00 (74.70 to 75.70): VV014767.D (-1830) (-)

Ion 77.00 (76.70 to 77.70): VV014767.D (-1830) (-)



#48

2-Hexanone

Concen: 4.58 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV014774.D

Acq: 09 Mar 2020 14:13

Tgt Ion: 43 Resp: 17596

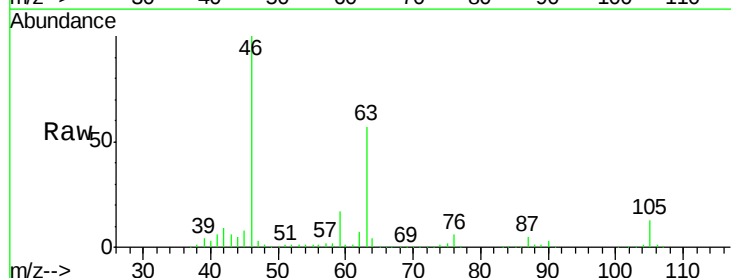
Ion Ratio Lower Upper

43 100

58 35.7 43.3 64.9#

57 23.6 15.6 23.4#

100 0.6 8.7 13.1#

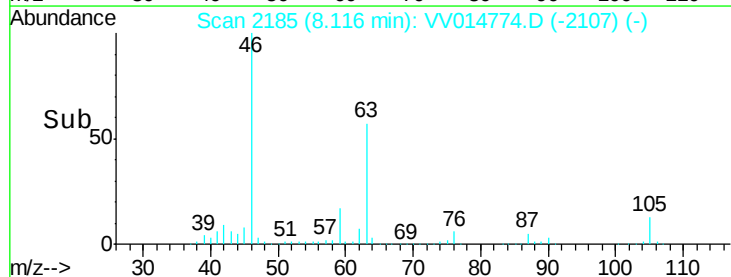
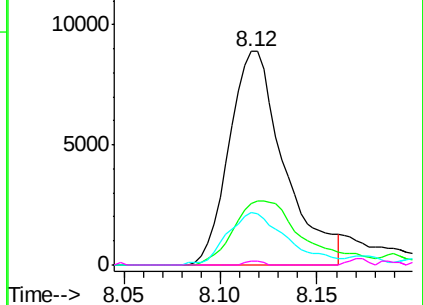


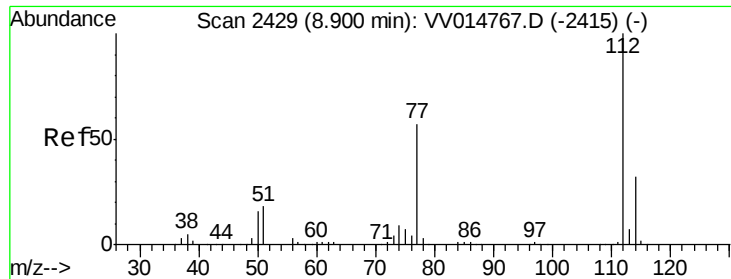
Abundance Ion 43.00 (42.70 to 43.70): VV014767.D (-2189) (-)

Ion 58.00 (57.70 to 58.70): VV014767.D (-2189) (-)

Ion 57.00 (56.70 to 57.70): VV014767.D (-2189) (-)

Ion 100.00 (99.70 to 100.70): VV014767.D (-2189) (-)





#51

Chlorobenzene

Concen: 163.02 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014774.D

Acq: 09 Mar 2020 14:13

Instrument :

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ClientSampleId :

C0DK9

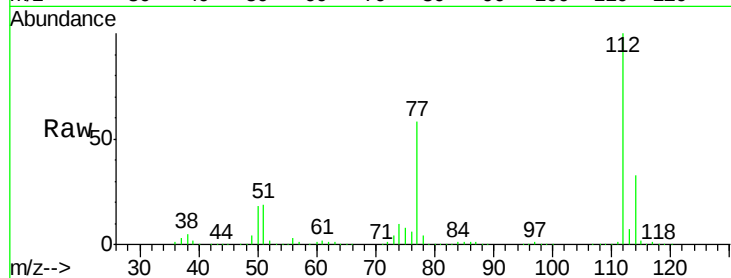
Tgt Ion:112 Resp: 1443352

Ion Ratio Lower Upper

112 100

114 32.8 22.1 41.1

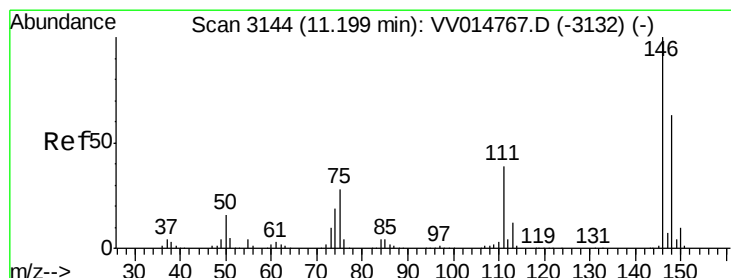
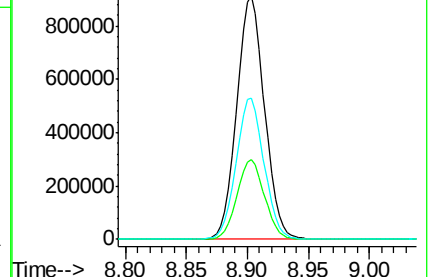
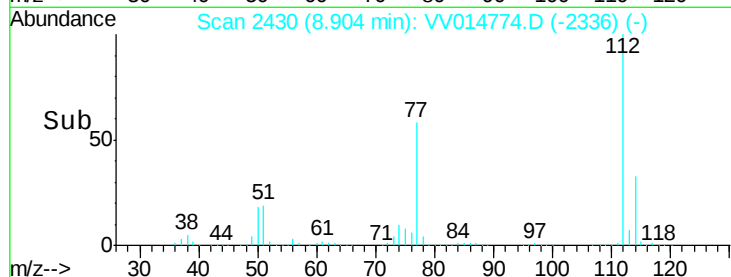
77 57.9 47.8 71.8



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: 9.80 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014774.D

Acq: 09 Mar 2020 14:13

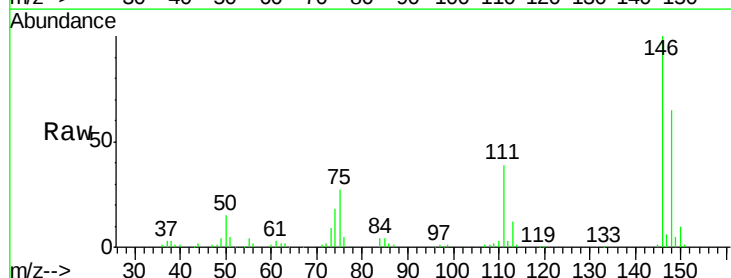
Tgt Ion:146 Resp: 70199

Ion Ratio Lower Upper

146 100

111 39.2 27.2 50.4

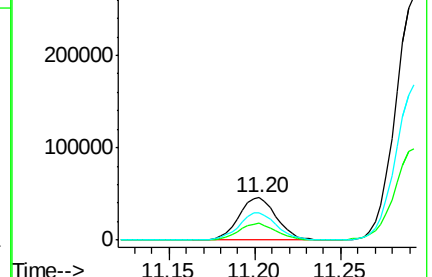
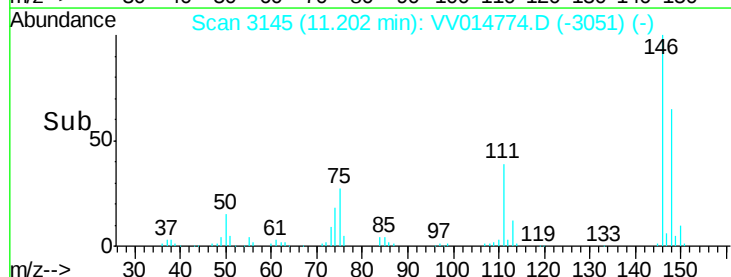
148 64.7 44.2 82.2

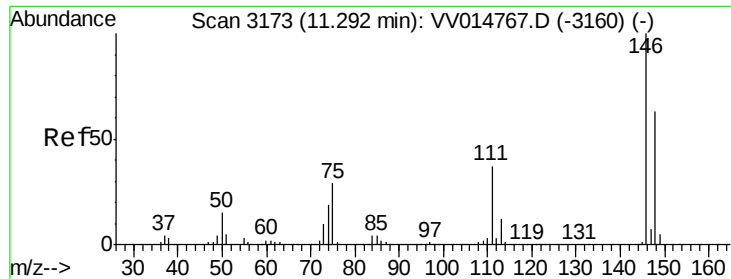


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 55.34 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014774.D

Acq: 09 Mar 2020 14:13

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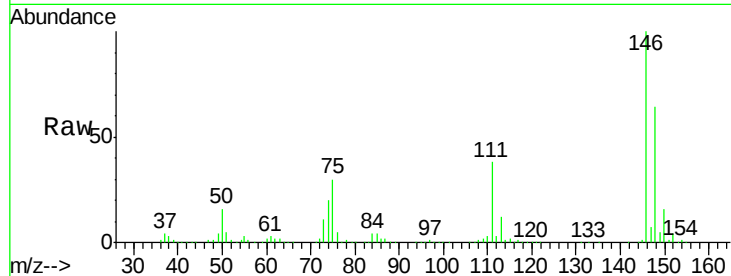
Tgt Ion:146 Resp: 399220

Ion Ratio Lower Upper

146 100

111 37.7 26.3 48.9

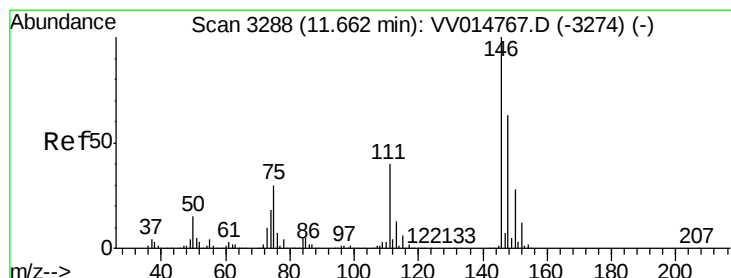
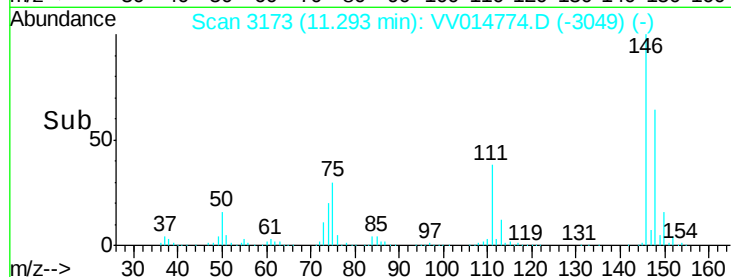
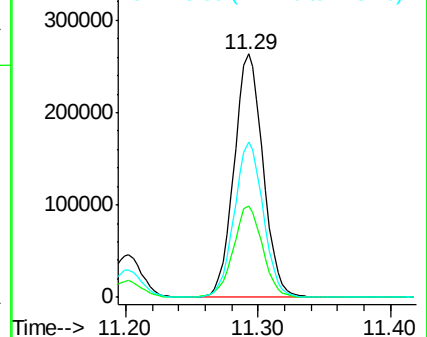
148 63.6 44.0 81.8



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



#65

1,2-Dichlorobenzene

Concen: 46.08 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014774.D

Acq: 09 Mar 2020 14:13

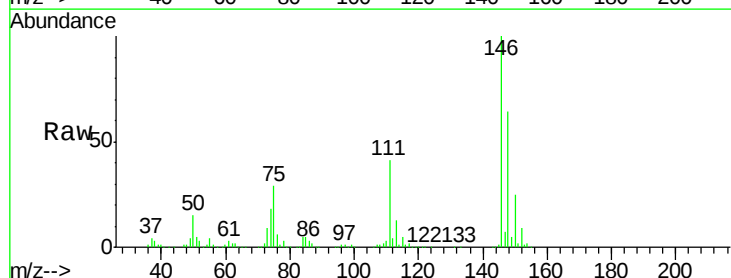
Tgt Ion:146 Resp: 328449

Ion Ratio Lower Upper

146 100

111 40.8 33.9 50.9

148 63.8 51.4 77.0



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

