

Data File : VV009777.D
Acq On : 19 Mar 2019 14:54
Operator : SY/MD
Sample : K1967-01DL 40X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09A9DL

Quant Time: Mar 20 05:19:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 20 05:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	137654	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	129812	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56757	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40873	44.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.08%
7) Chloroethane-d5	1.56	69	32924	48.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.16%
11) 1,1-Dichloroethene-d2	2.12	63	66386	33.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.18%
21) 2-Butanone-d5	3.93	46	48495	87.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.72%
24) Chloroform-d	4.40	84	75293	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.32%
26) 1,2-Dichloroethane-d4	5.08	65	48004	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.78%
32) Benzene-d6	5.10	84	164172	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.12	67	48199	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.34%
41) Toluene-d8	7.36	98	154902	47.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.92%
43) trans-1,3-Dichloropropene-	7.66	79	21705	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.88%
47) 2-Hexanone-d5	8.13	63	35497	84.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.45%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	69113	44.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.22%
64) 1,2-Dichlorobenzene-d4	11.68	152	54237	47.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.46%

Target Compounds

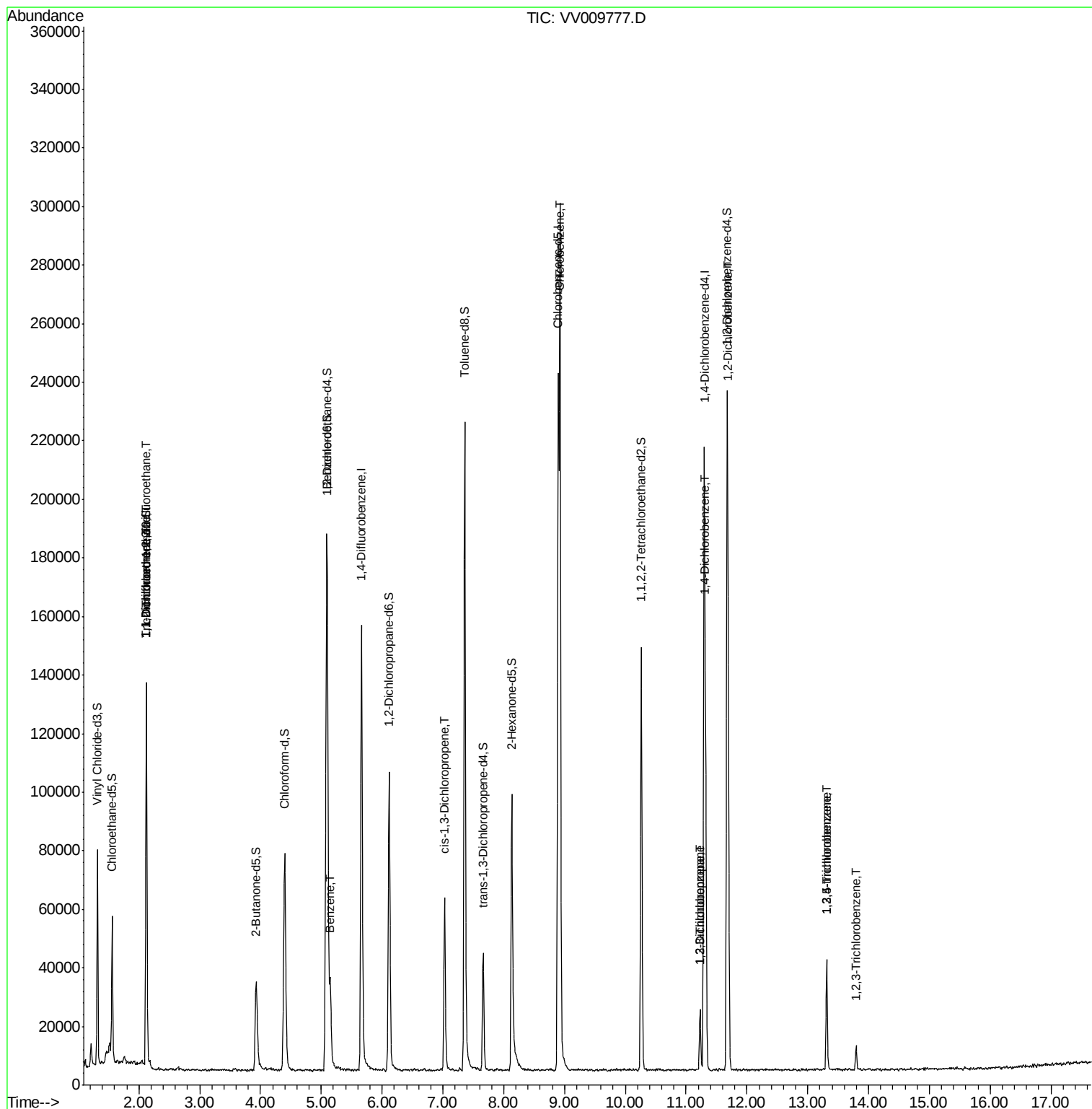
						Qvalue
9) Trichlorofluoromethane	2.12	101	672	0.393	ug/L #	17
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	672	0.710	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	513	0.625	ug/L #	1
33) Benzene	5.14	78	25843	7.294	ug/L	100
39) cis-1,3-Dichloropropene	7.02	75	1796	1.301	ug/L #	79
51) Chlorobenzene	8.93	112	155013	58.472	ug/L	97
59) 1,2,3-Trichloropropane	11.23	75	2624	2.207	ug/L #	42
62) 1,3-Dichlorobenzene	11.23	146	8553	4.593	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	39173	20.853	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	42757	22.505	ug/L	98
67) 1,3,5-Trichlorobenzene	13.31	180	11669	9.854	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	11669	14.059	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	2817	3.386	ug/L	96

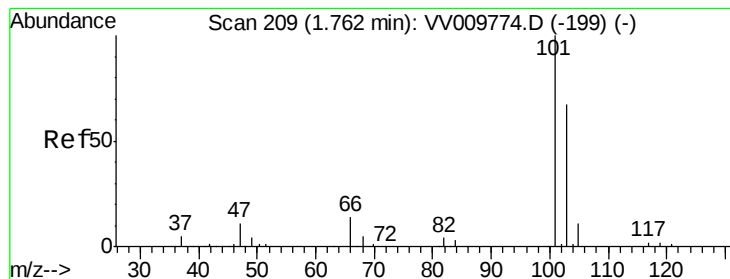
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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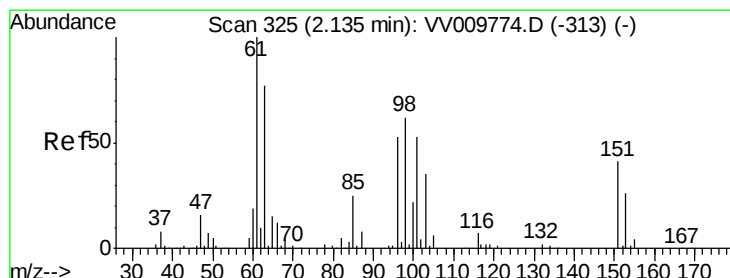
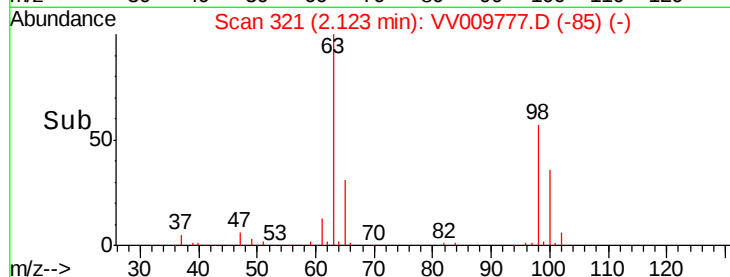
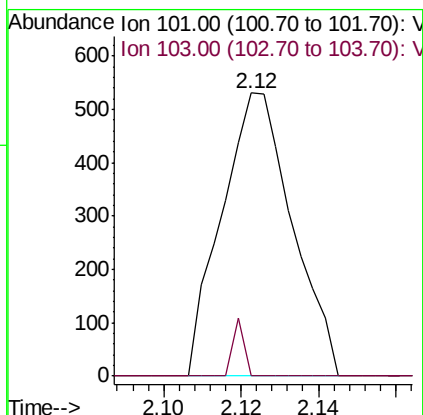
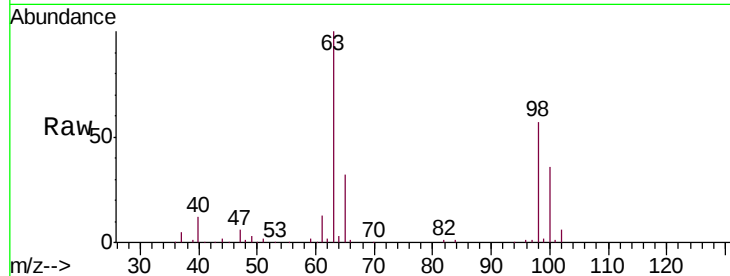


#9

Trichlorofluoromethane
Concen: 0.393 ug/L
RT: 2.12 min Scan# 321
Delta R.T. 0.36 min
Lab File: VV009777.D
Acq: 19 Mar 2019 14:54

Instrument :
MSVOA_V
ClientSampleId :
C09A9DL

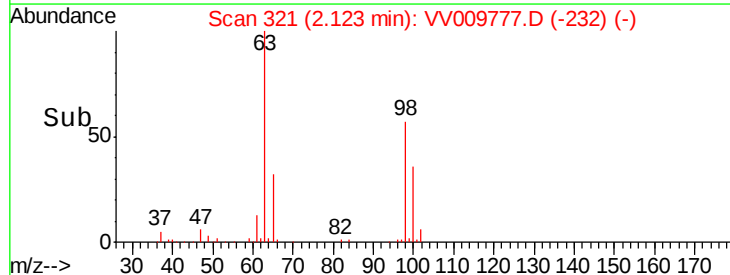
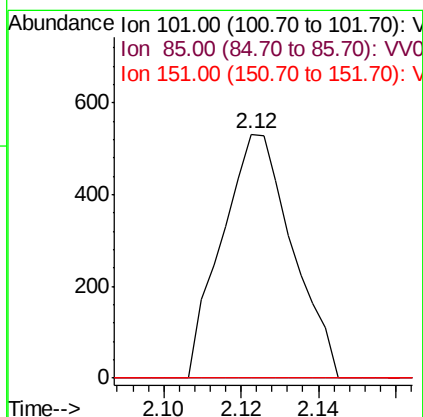
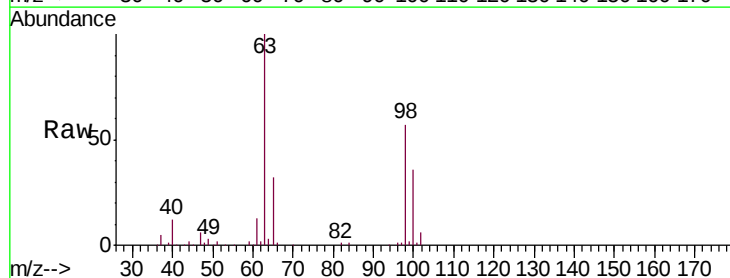
Tgt Ion:101 Resp: 672
Ion Ratio Lower Upper
101 100
103 0.0 52.3 78.5#

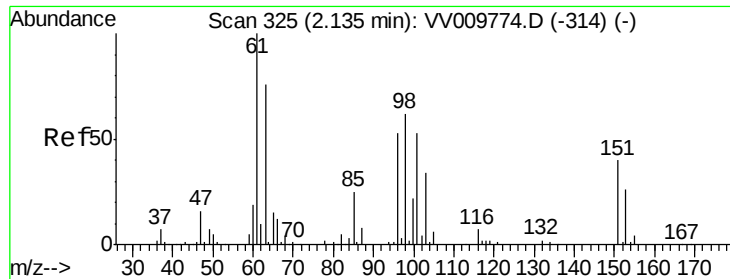


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.710 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV009777.D
Acq: 19 Mar 2019 14:54

Tgt Ion:101 Resp: 672
Ion Ratio Lower Upper
101 100
85 0.0 38.5 57.7#
151 0.0 58.9 88.3#

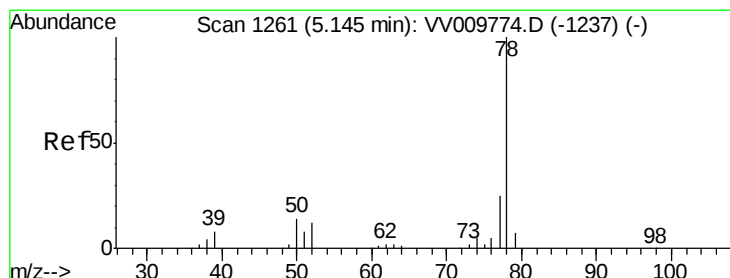
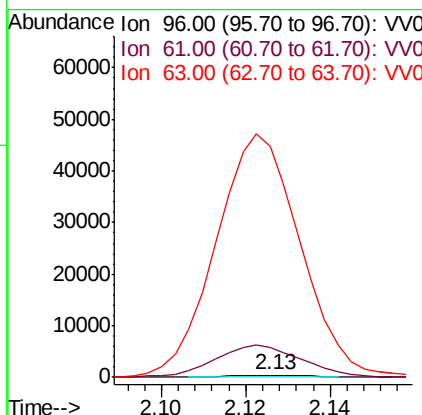
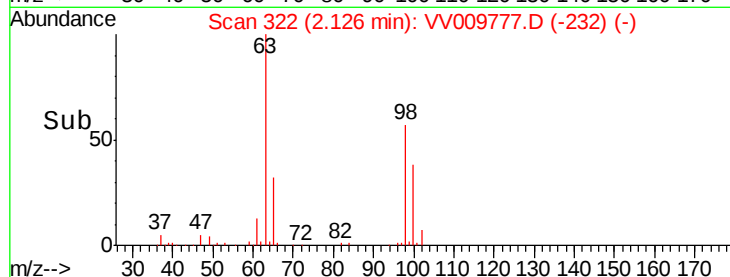
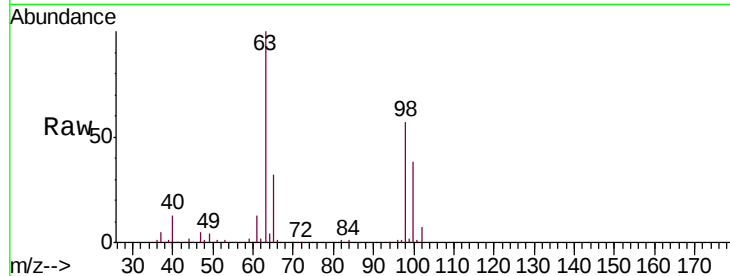




#12
 1,1-Dichloroethene
 Concen: 0.625 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV009777.D
 Acq: 19 Mar 2019 14:54

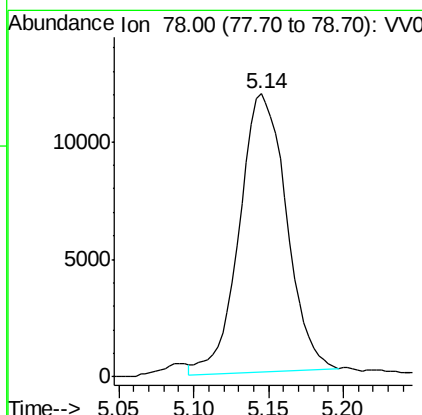
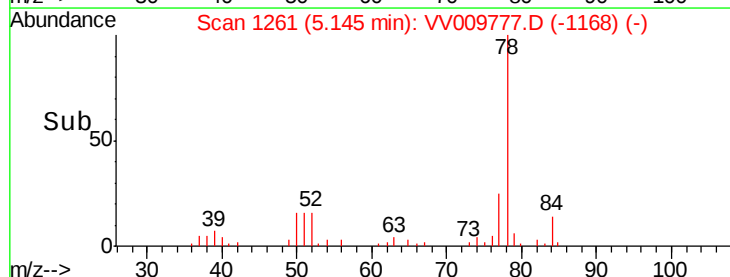
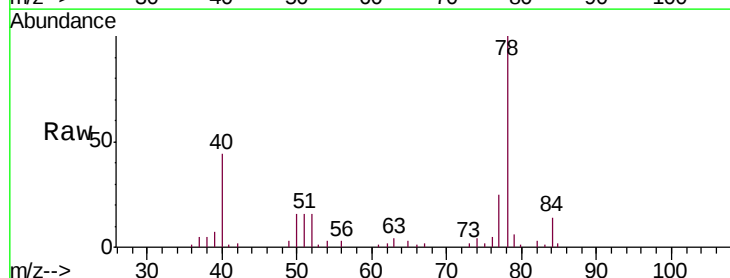
Instrument :
 MSVOA_V
 ClientSampleId :
 C09A9DL

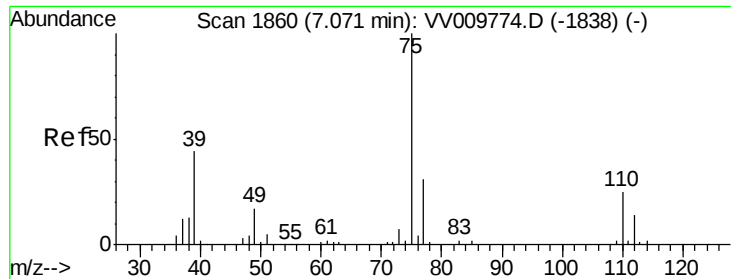
Tgt Ion: 96 Resp: 513
 Ion Ratio Lower Upper
 96 100
 61 1418.8 135.5 251.7#
 63 10819.3 100.2 186.2#



#33
 Benzene
 Concen: 7.294 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VV009777.D
 Acq: 19 Mar 2019 14:54

Tgt Ion: 78 Resp: 25843



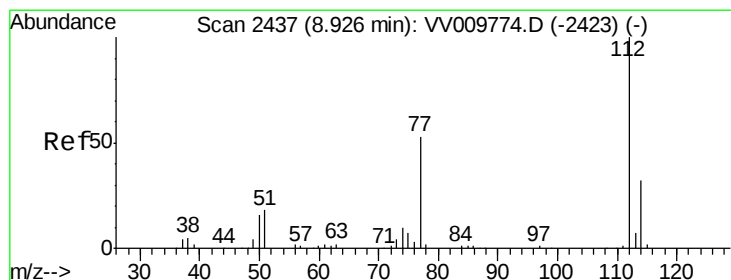
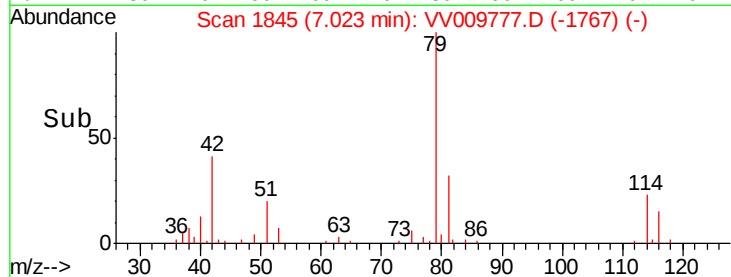
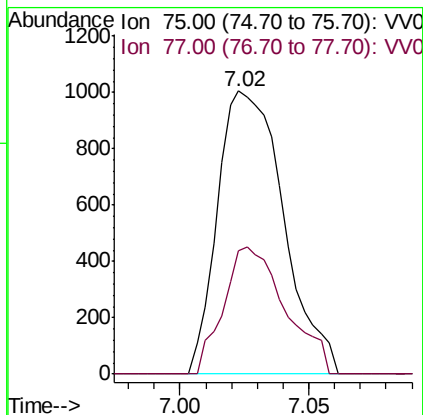
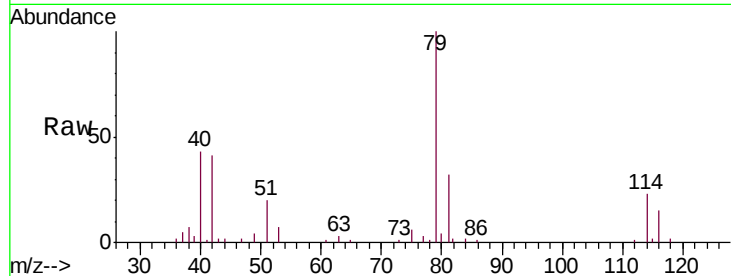


#39

cis-1,3-Dichloropropene
 Concen: 1.301 ug/L
 RT: 7.02 min Scan# 1845
 Delta R.T. -0.05 min
 Lab File: VV009777.D
 Acq: 19 Mar 2019 14:54

Instrument :
 MSVOA_V
 ClientSampleId :
 C09A9DL

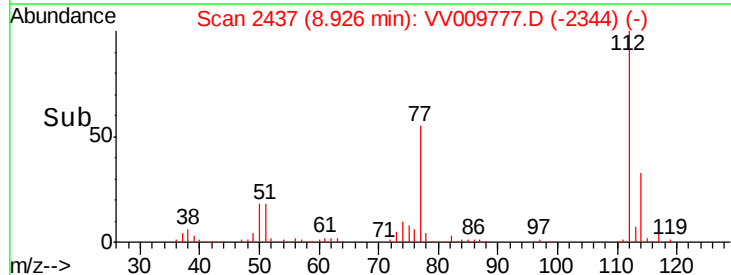
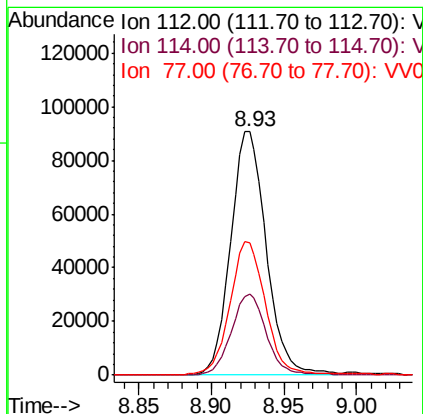
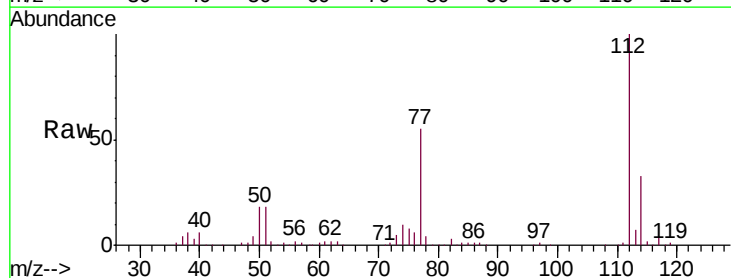
Tgt Ion: 75 Resp: 1796
 Ion Ratio Lower Upper
 75 100
 77 43.7 22.4 41.6#

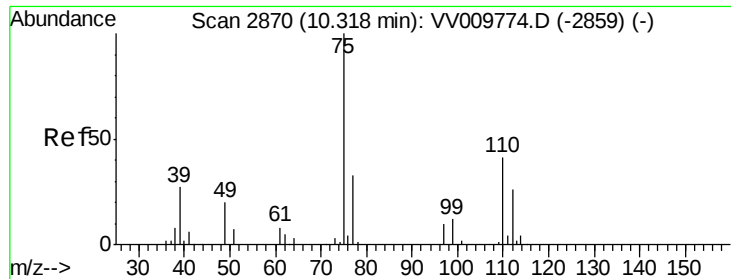


#51

Chlorobenzene
 Concen: 58.472 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV009777.D
 Acq: 19 Mar 2019 14:54

Tgt Ion: 112 Resp: 155013
 Ion Ratio Lower Upper
 112 100
 114 33.4 22.5 41.9
 77 54.6 45.4 68.2





#59

1,2,3-Trichloropropane

Concen: 2.207 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.91 min

Lab File: VV009777.D

Acq: 19 Mar 2019 14:54

Instrument :

MSVOA_V

ClientSampleId :

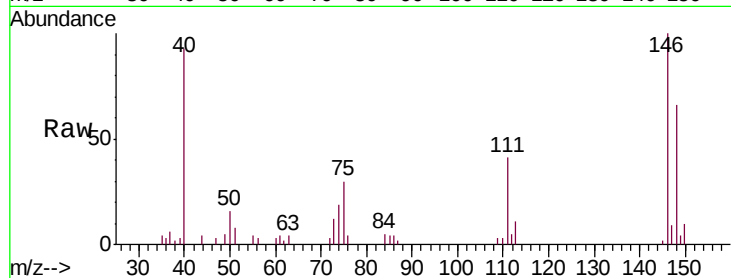
C09A9DL

Tgt Ion: 75 Resp: 2624

Ion Ratio Lower Upper

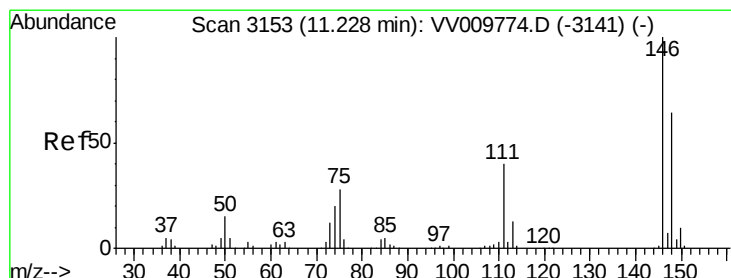
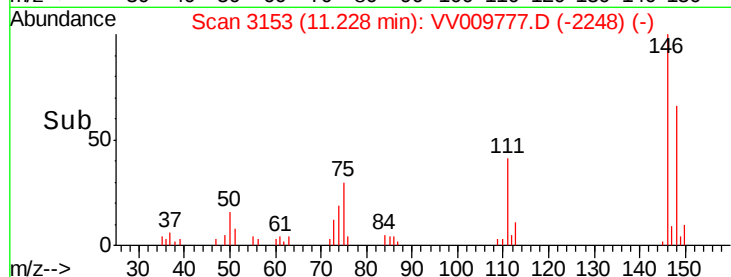
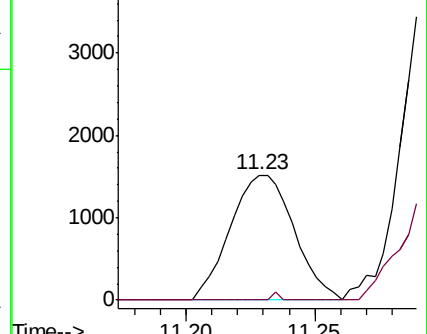
75 100

77 0.0 26.2 39.4#



Abundance Ion 75.00 (74.70 to 75.70): VV009777.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009777.D (-2859) (-)



#62

1,3-Dichlorobenzene

Concen: 4.593 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV009777.D

Acq: 19 Mar 2019 14:54

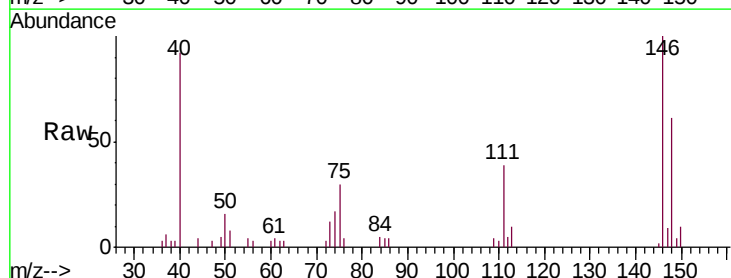
Tgt Ion: 146 Resp: 8553

Ion Ratio Lower Upper

146 100

111 39.4 28.8 53.4

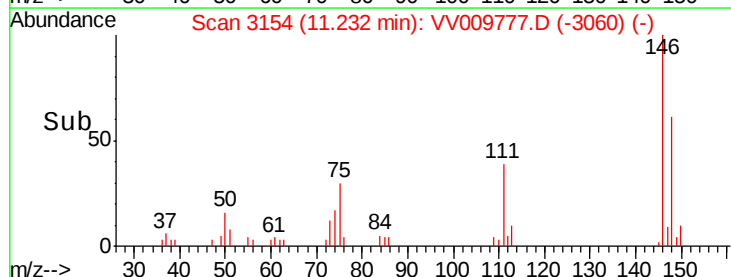
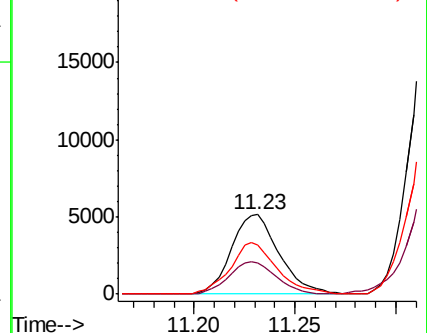
148 61.4 44.8 83.2

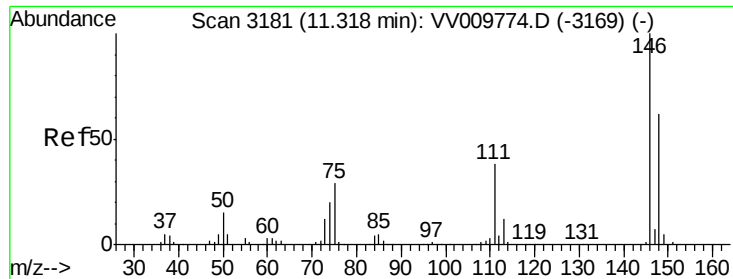


Abundance Ion 146.00 (145.70 to 146.70): VV009777.D (-3141) (-)

Ion 111.00 (110.70 to 111.70): VV009777.D (-3141) (-)

Ion 148.00 (147.70 to 148.70): VV009777.D (-3141) (-)

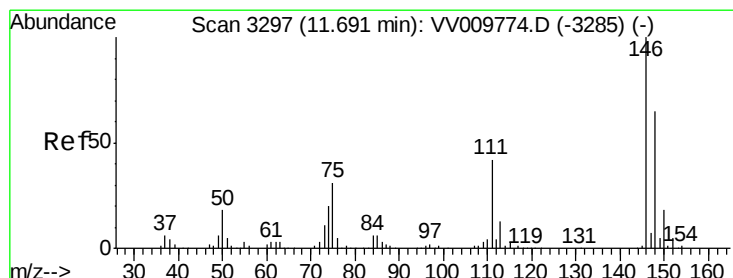
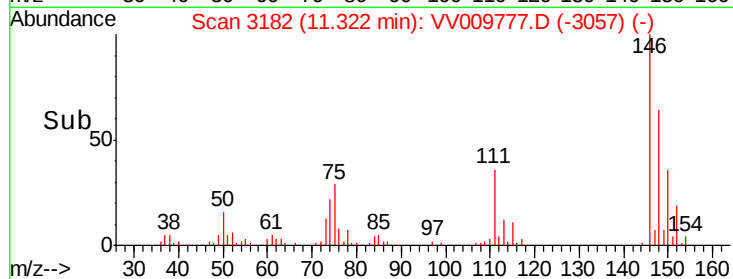
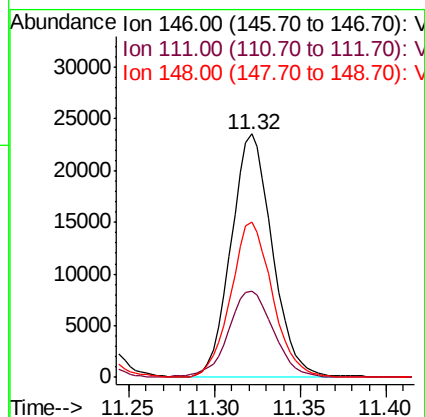
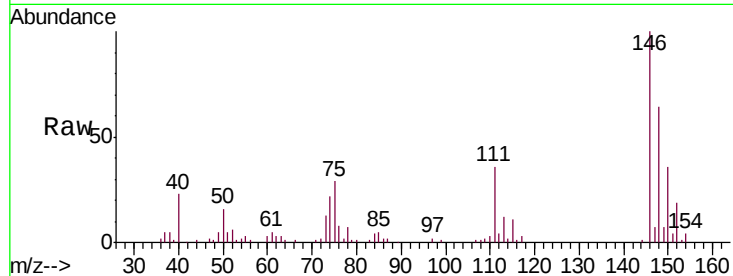




#63
 1,4-Dichlorobenzene
 Concen: 20.853 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009777.D
 Acq: 19 Mar 2019 14:54

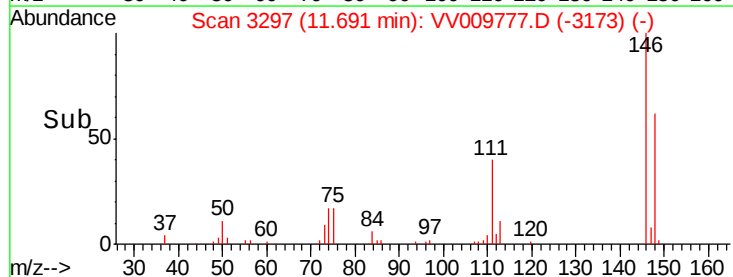
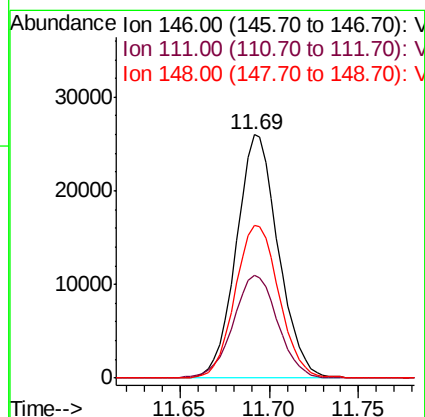
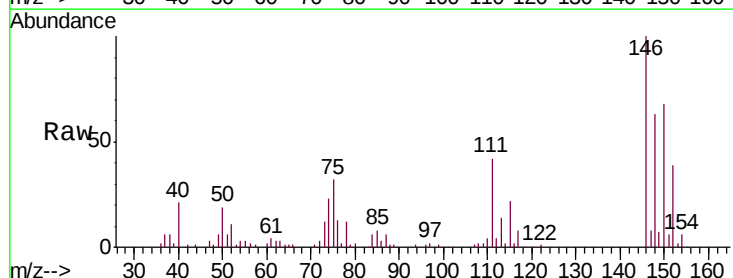
Instrument :
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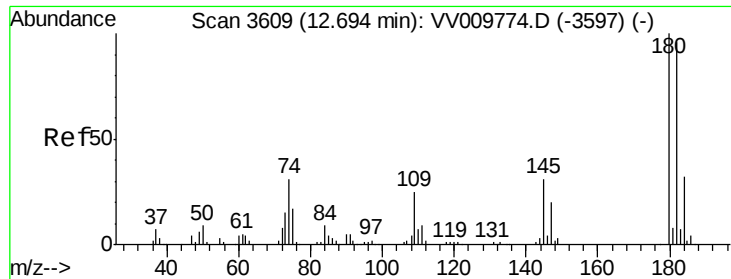
Tgt Ion:146 Resp: 39173
 Ion Ratio Lower Upper
 146 100
 111 35.6 26.7 49.5
 148 63.9 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 22.505 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009777.D
 Acq: 19 Mar 2019 14:54

Tgt Ion:146 Resp: 42757
 Ion Ratio Lower Upper
 146 100
 111 42.1 32.2 48.4
 148 62.6 49.6 74.4

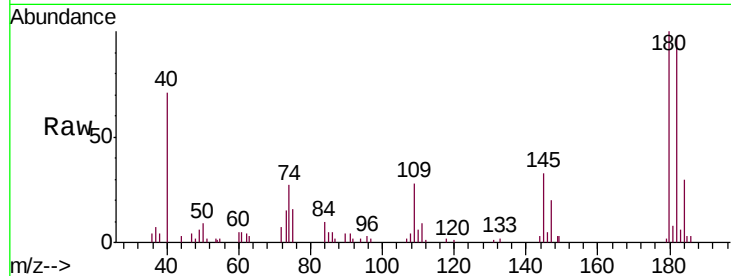




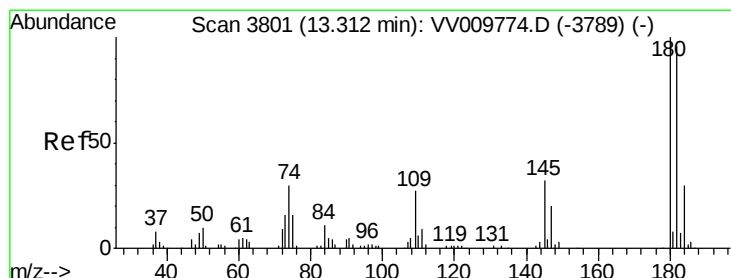
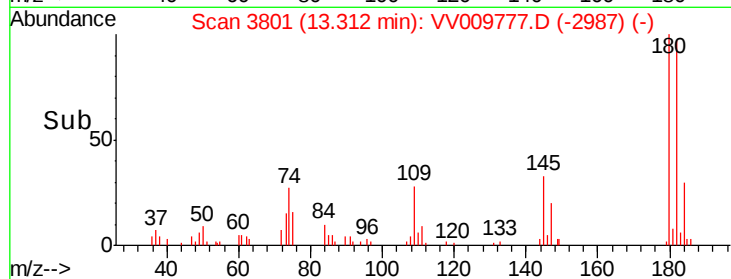
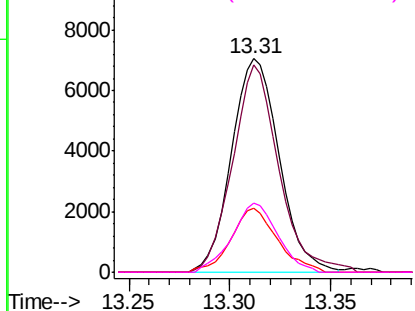
#67
 1,3,5-Trichlorobenzene
 Concen: 9.854 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.62 min
 Lab File: VV009777.D
 Acq: 19 Mar 2019 14:54

Instrument :
 MSVOA_V
 ClientSampled :
 C09A9DL

Tgt Ion:180 Resp: 11669
 Ion Ratio Lower Upper
 180 100
 182 94.0 73.9 110.9
 184 29.2 23.4 35.2
 145 31.1 24.6 37.0

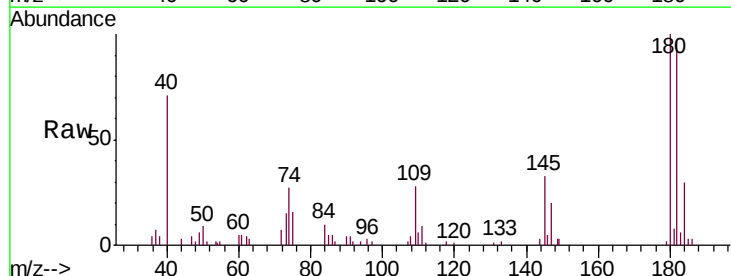


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

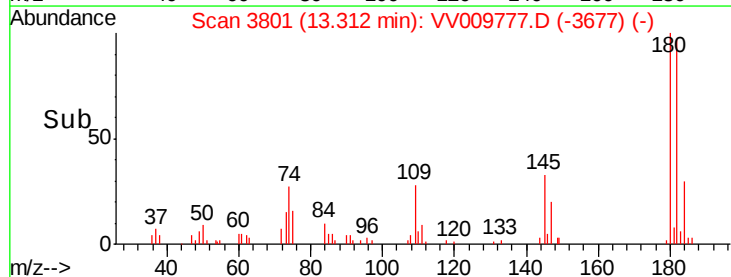
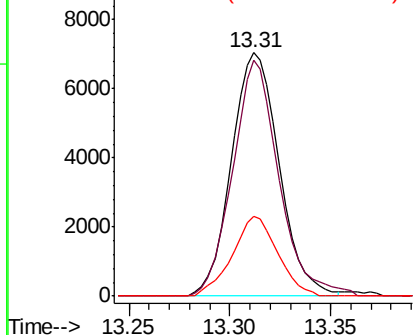


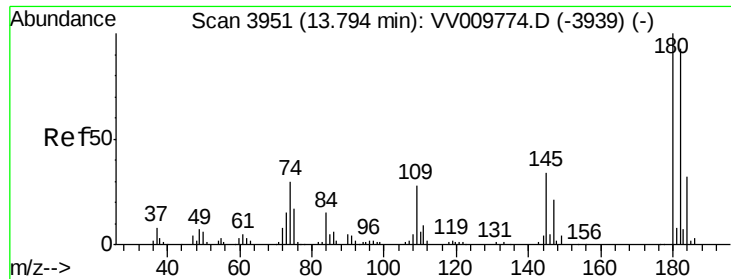
#68
 1,2,4-trichlorobenzene
 Concen: 14.059 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009777.D
 Acq: 19 Mar 2019 14:54

Tgt Ion:180 Resp: 11669
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.7 113.5
 145 31.1 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

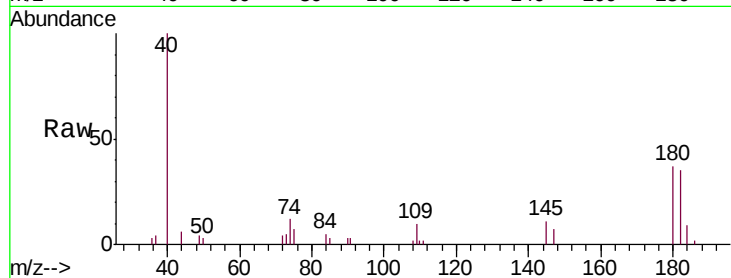




#70
 1,2,3-Trichlorobenzene
 Concen: 3.386 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009777.D
 Acq: 19 Mar 2019 14:54

Instrument :
 MSVOA_V
 ClientSampleId :
 C09A9DL

Tgt Ion:180 Resp: 2817
 Ion Ratio Lower Upper
 180 100
 182 94.4 73.3 109.9
 145 29.6 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

