

Data File : VV009876.D
Acq On : 25 Mar 2019 21:34
Operator : SY/MD
Sample : K2016-11DL 400X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0988DL

Quant Time: Mar 26 07:20:01 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	176529	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	169187	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71378	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91529	50.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.56%
7) Chloroethane-d5	1.56	69	100630	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.24%
11) 1,1-Dichloroethene-d2	2.13	63	191514	36.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.08%
21) 2-Butanone-d5	3.93	46	81155	100.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.87%
24) Chloroform-d	4.40	84	119126	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
26) 1,2-Dichloroethane-d4	5.08	65	83627	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.82%
32) Benzene-d6	5.10	84	248870	54.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.38%
36) 1,2-Dichloropropane-d6	6.12	67	75795	53.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.00%
41) Toluene-d8	7.36	98	221739	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%
43) trans-1,3-Dichloropropene-	7.67	79	28896	44.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.30%
47) 2-Hexanone-d5	8.13	63	56495	97.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.29%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	102707	44.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.34%
64) 1,2-Dichlorobenzene-d4	11.67	152	84037	50.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.64%

Target Compounds

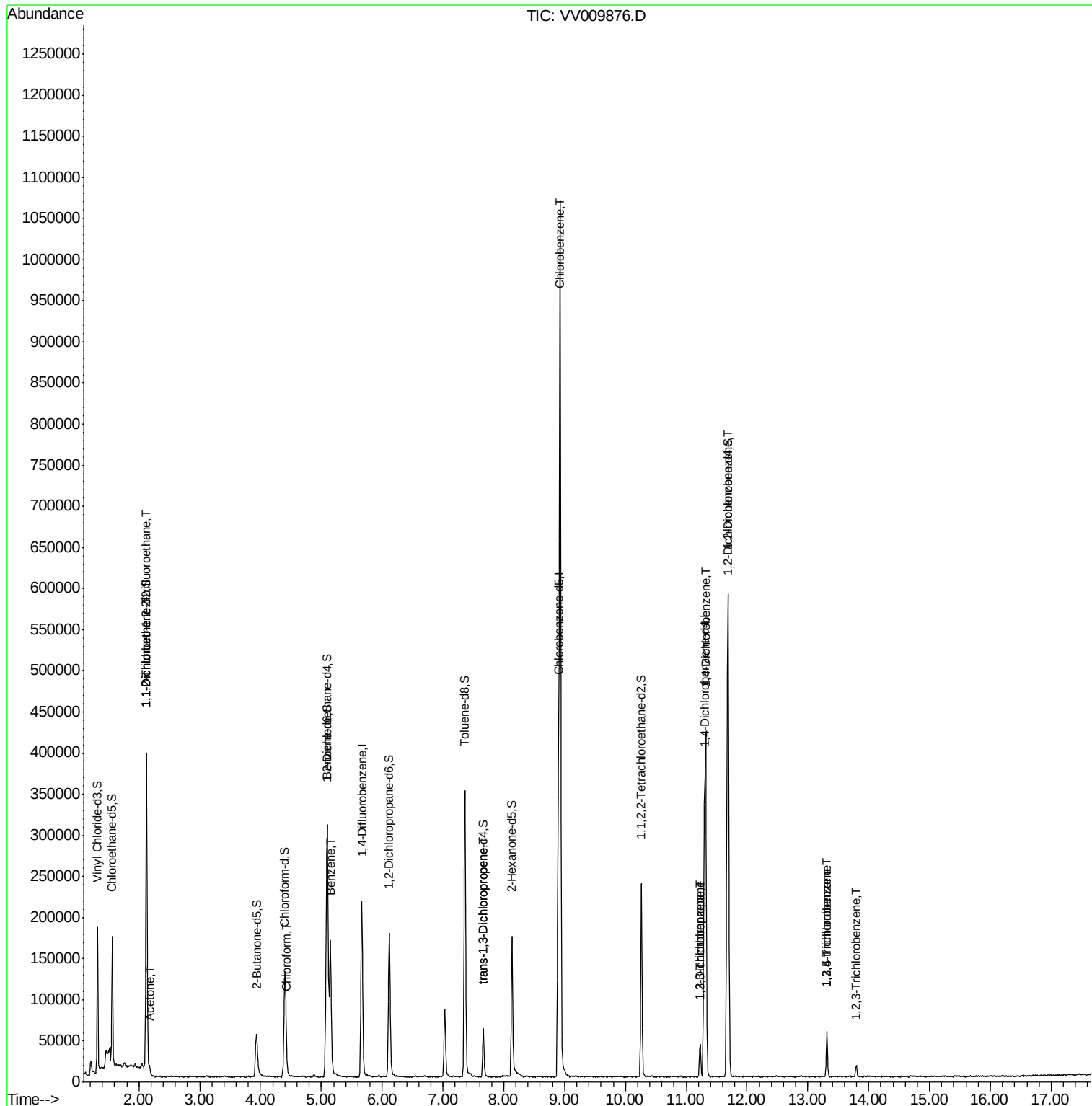
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1732	0.639	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1781	0.743	ug/L #	1
13) Acetone	2.19	43	637	0.665	ug/L	76
25) Chloroform	4.43	83	4401	1.760	ug/L	87
33) Benzene	5.15	78	155460	31.474	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	1413	0.831	ug/L #	57
51) Chlorobenzene	8.93	112	520529	139.104	ug/L	99
59) 1,2,3-Trichloropropane	11.23	75	4565	2.663	ug/L #	45
62) 1,3-Dichlorobenzene	11.23	146	14621	5.980	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	140153	54.672	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	176484	68.324	ug/L	94
67) 1,3,5-Trichlorobenzene	13.31	180	14287	8.565	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	14287	10.749	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	3799	2.825	ug/L	98

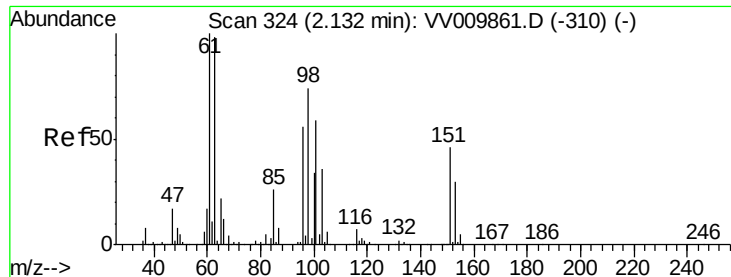
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.639 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009876.D

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MSVOA_V

ClientSampleId :

C0988DL

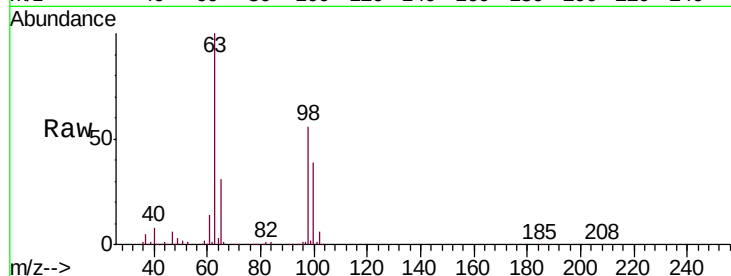
Tgt Ion: 101 Resp: 1732

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.4#

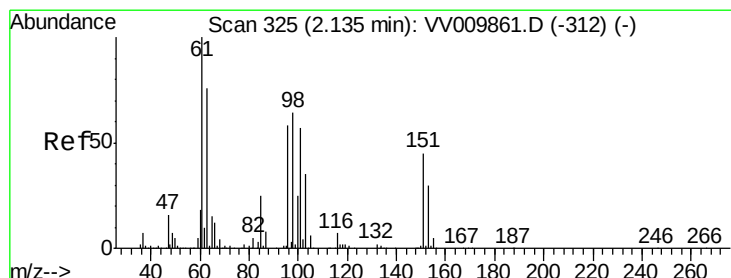
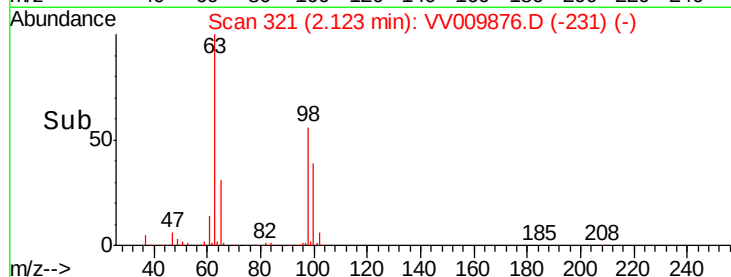
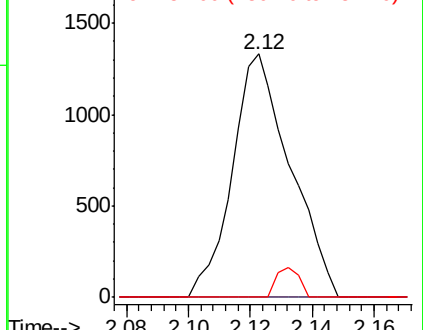
151 4.6 65.4 98.2#



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



#12

1,1-Dichloroethene

Concen: 0.743 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009876.D

Acq: 25 Mar 2019 21:34

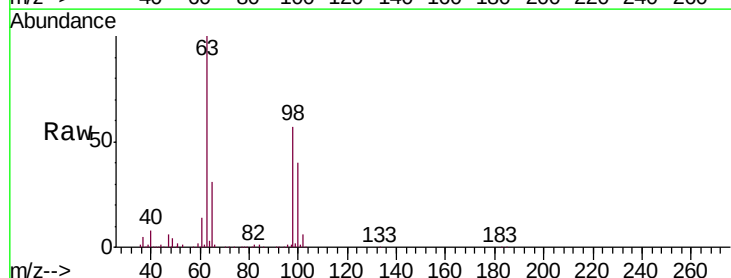
Tgt Ion: 96 Resp: 1781

Ion Ratio Lower Upper

96 100

61 1821.7 125.3 232.7#

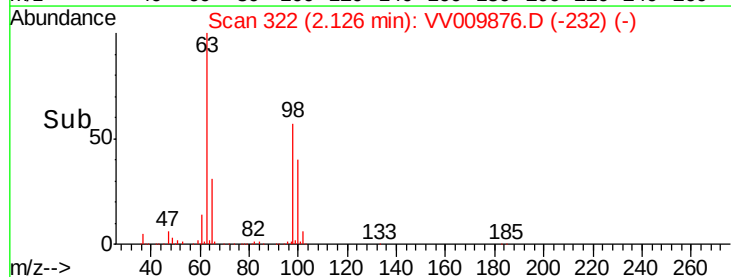
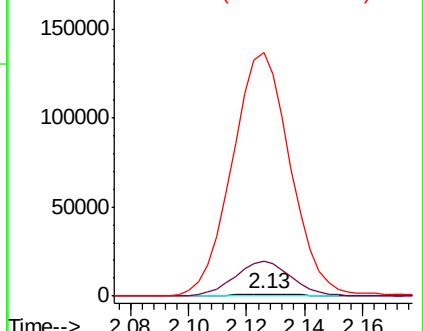
63 12878.4 109.7 203.7#

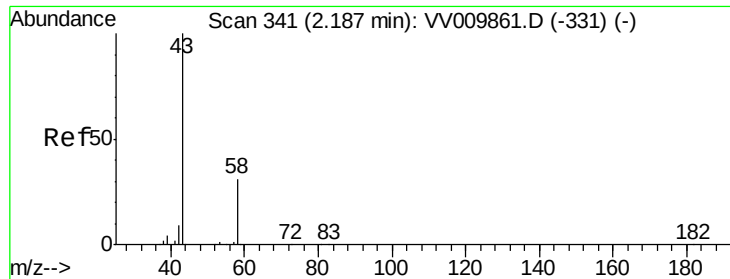


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 0.665 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV009876.D

Acq: 25 Mar 2019 21:34

Instrument :

MSVOA_V

ClientSampleId :

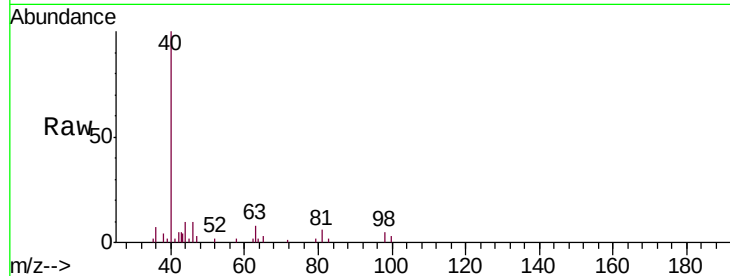
C0988DL

Tgt Ion: 43 Resp: 637

Ion Ratio Lower Upper

43 100

58 19.2 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV009861.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009861.D (-331) (-)

2.19

600

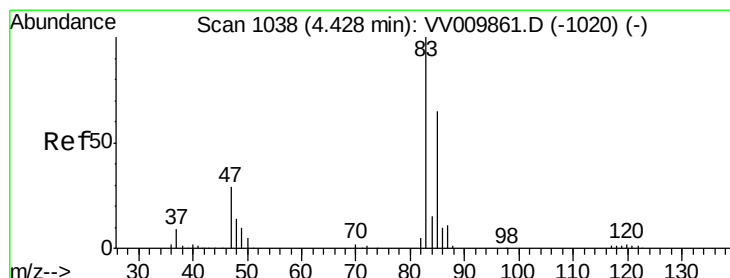
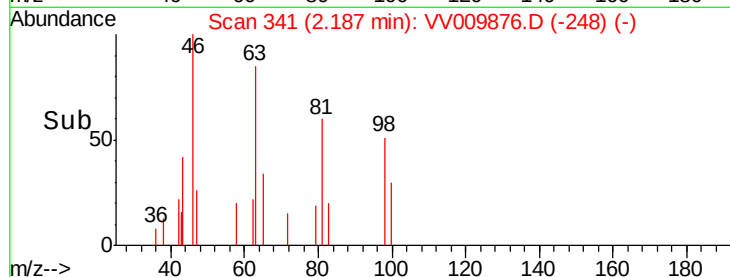
400

200

0

2.16 2.18 2.20 2.22

Time-->



#25

Chloroform

Concen: 1.760 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VV009876.D

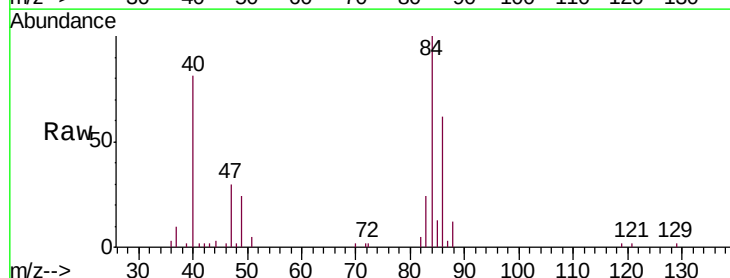
Acq: 25 Mar 2019 21:34

Tgt Ion: 83 Resp: 4401

Ion Ratio Lower Upper

83 100

85 54.0 44.7 82.9



Abundance Ion 83.00 (82.70 to 83.70): VV009861.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VV009861.D (-1020) (-)

2000

1500

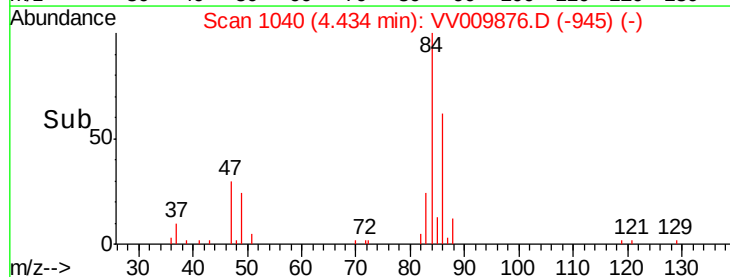
1000

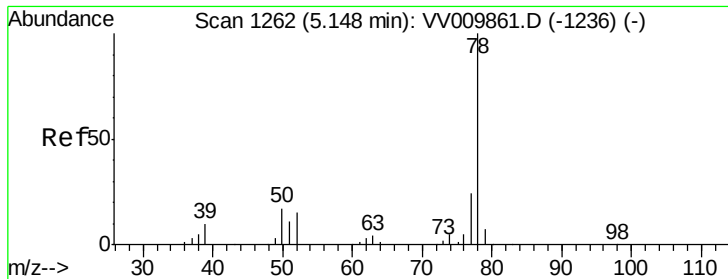
500

0

4.40 4.43 4.45 4.50

Time-->





#33

Benzene

Concen: 31.474 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV009876.D

Acq: 25 Mar 2019 21:34

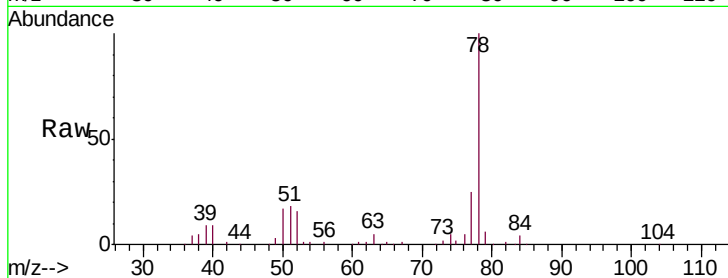
Instrument :

MSVOA_V

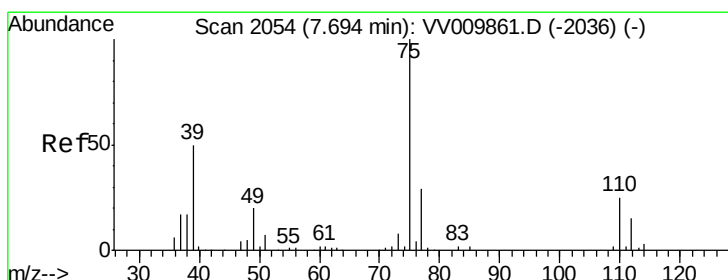
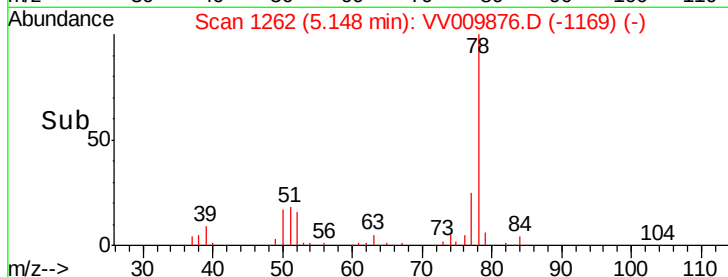
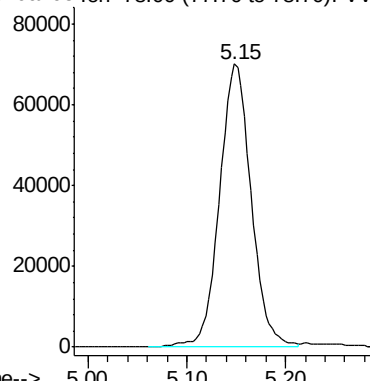
ClientSampleID :

C0988DL

Tgt Ion: 78 Resp: 155460



Abundance Ion 78.00 (77.70 to 78.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.831 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009876.D

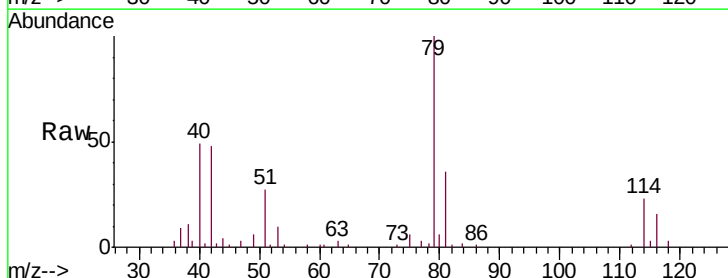
Acq: 25 Mar 2019 21:34

Tgt Ion: 75 Resp: 1413

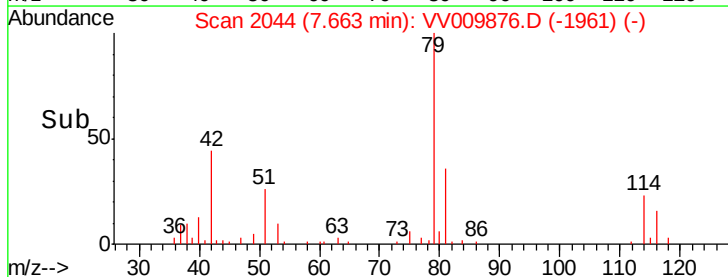
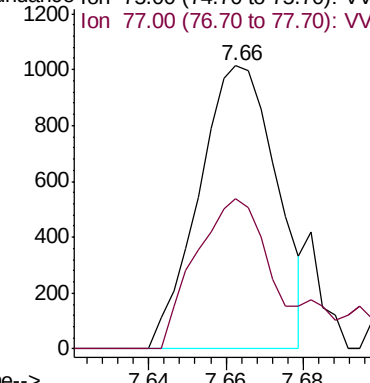
Ion Ratio Lower Upper

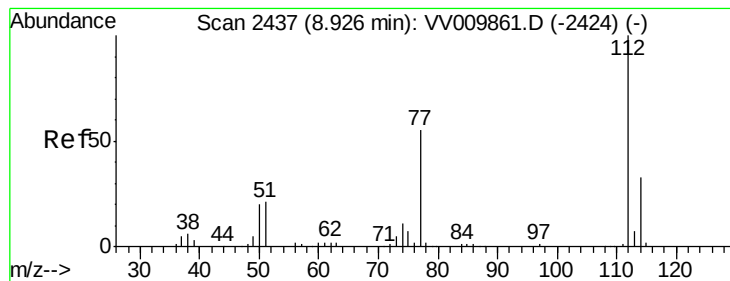
75 100

77 52.9 20.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0





#51

Chlorobenzene

Concen: 139.104 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009876.D

Acq: 25 Mar 2019 21:34

Instrument :

MSVOA_V

ClientSampleId :

C0988DL

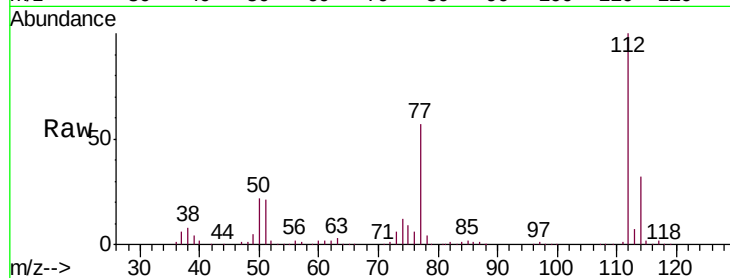
Tgt Ion: 112 Resp: 520529

Ion Ratio Lower Upper

112 100

114 32.3 23.3 43.3

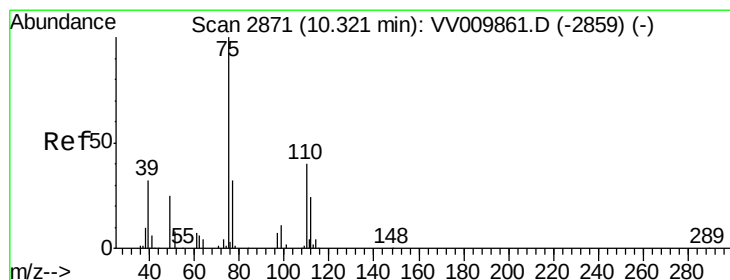
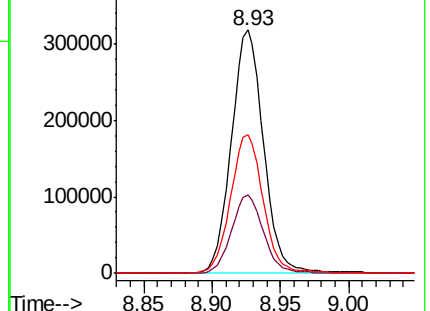
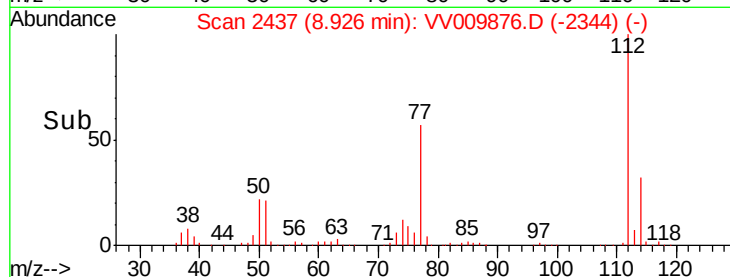
77 57.2 45.8 68.6



Abundance Ion 112.00 (111.70 to 112.70): VV009876.D (-2344) (-)

Ion 114.00 (113.70 to 114.70): VV009876.D (-2344) (-)

Ion 77.00 (76.70 to 77.70): VV009876.D (-2344) (-)



#59

1,2,3-Trichloropropane

Concen: 2.663 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.91 min

Lab File: VV009876.D

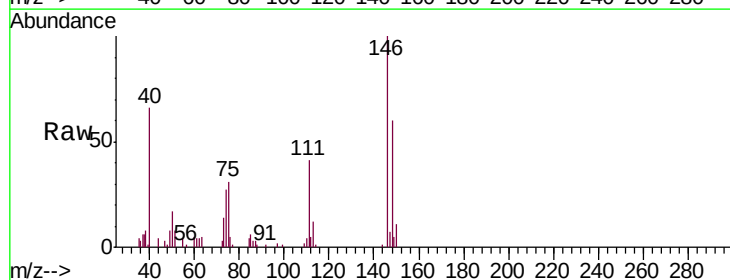
Acq: 25 Mar 2019 21:34

Tgt Ion: 75 Resp: 4565

Ion Ratio Lower Upper

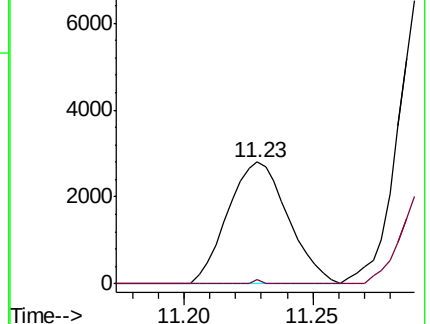
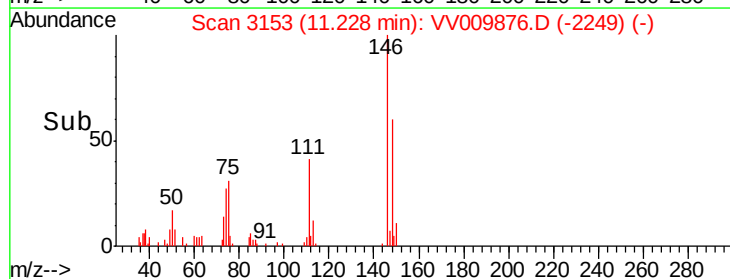
75 100

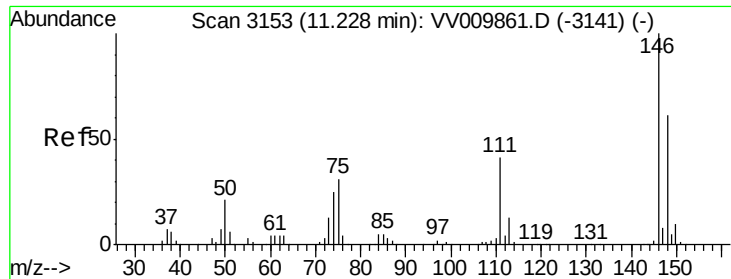
77 0.9 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VV009876.D (-2249) (-)

Ion 77.00 (76.70 to 77.70): VV009876.D (-2249) (-)

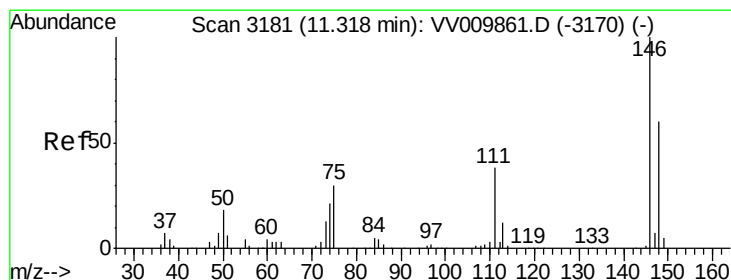
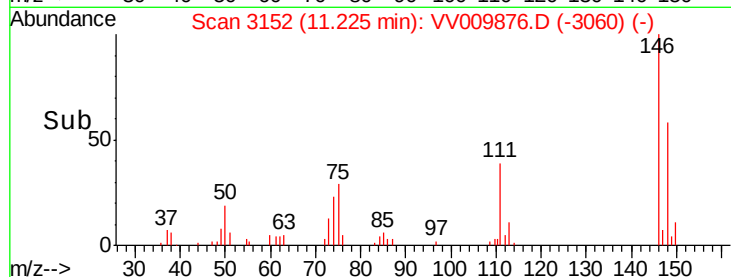
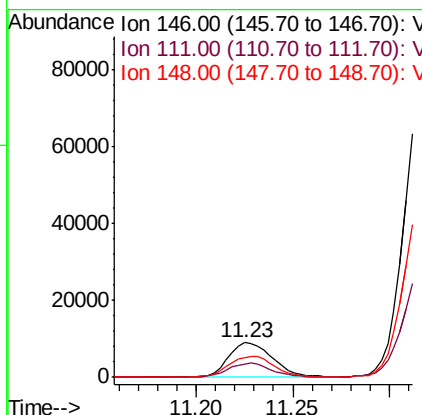
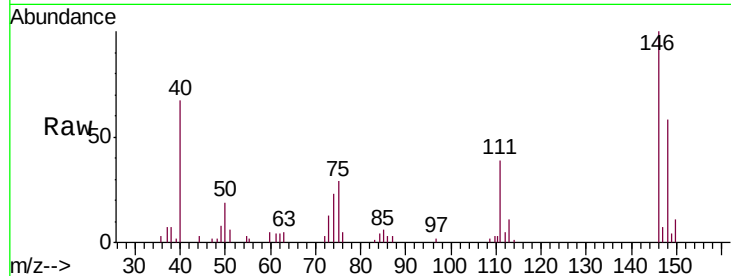




#62
 1,3-Dichlorobenzene
 Concen: 5.980 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009876.D
 Acq: 25 Mar 2019 21:34

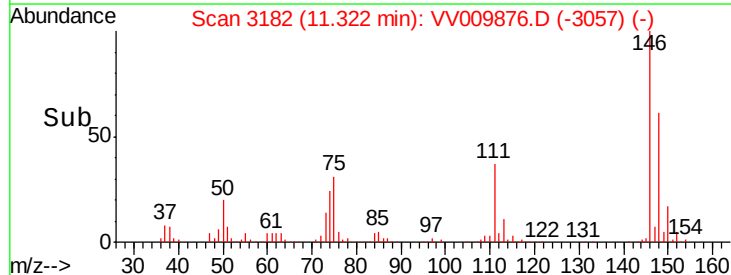
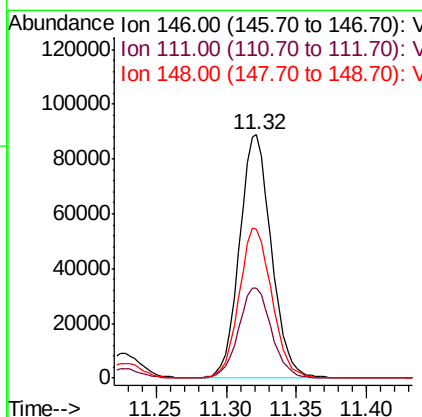
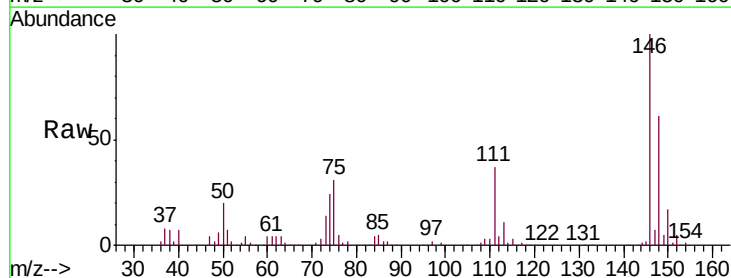
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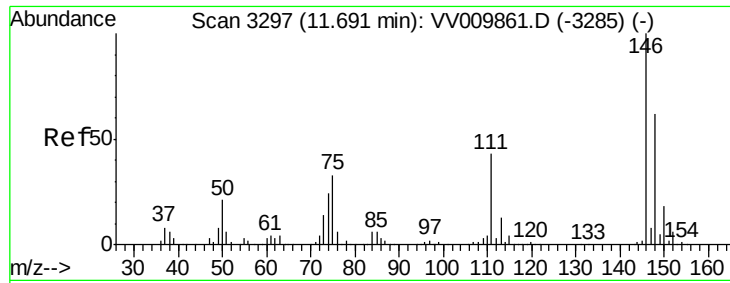
Tgt Ion:146 Resp: 14621
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.5 51.1
 148 57.6 43.0 80.0



#63
 1,4-Dichlorobenzene
 Concen: 54.672 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009876.D
 Acq: 25 Mar 2019 21:34

Tgt Ion:146 Resp: 140153
 Ion Ratio Lower Upper
 146 100
 111 36.9 26.5 49.3
 148 61.3 43.2 80.2

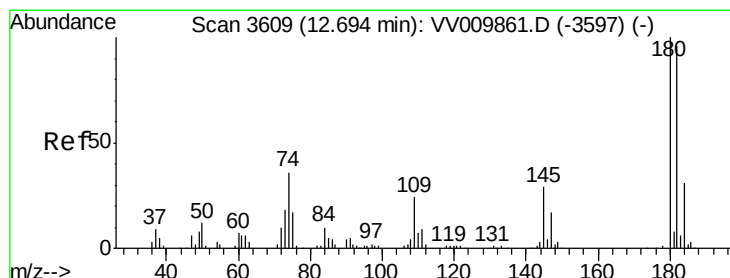
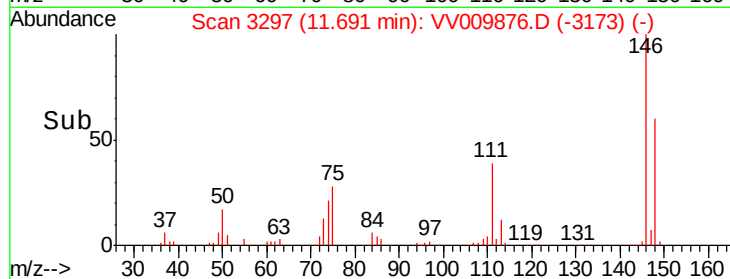
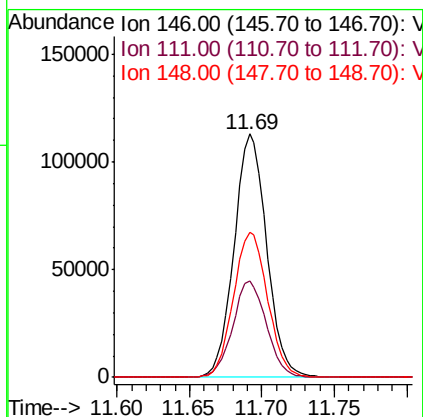
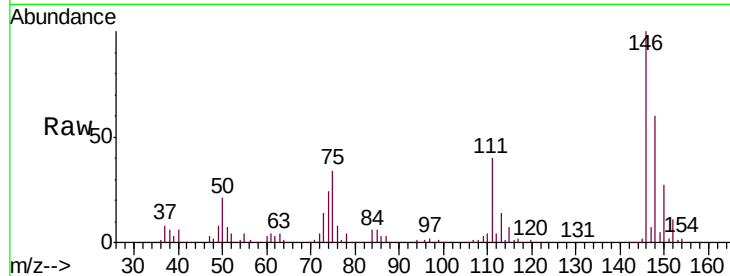




#65
 1,2-Dichlorobenzene
 Concen: 68.324 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009876.D
 Acq: 25 Mar 2019 21:34

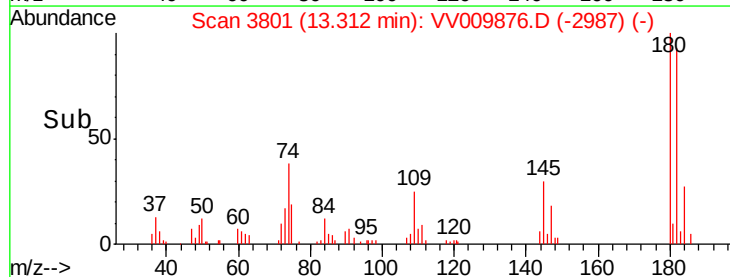
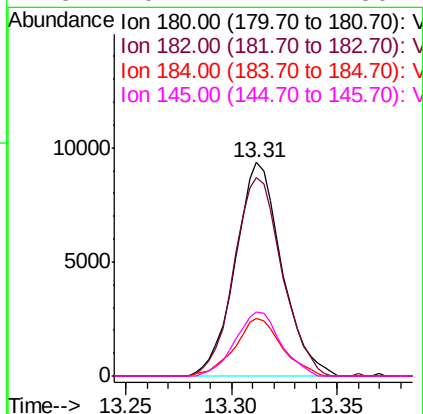
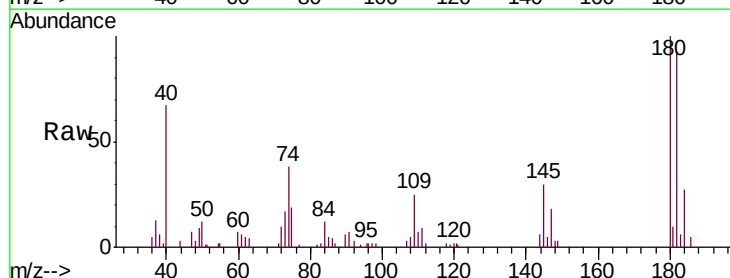
Instrument :
 MSVOA_V
 ClientSampled :
 C0988DL

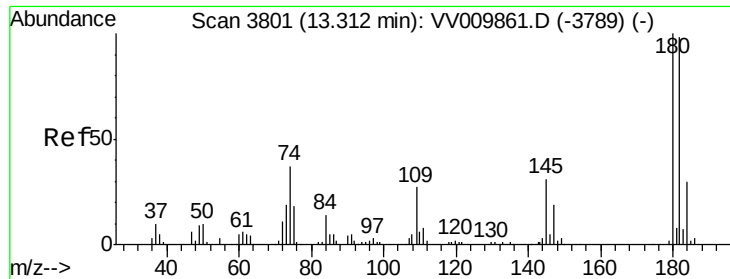
Tgt Ion:146 Resp: 176484
 Ion Ratio Lower Upper
 146 100
 111 39.7 33.0 49.6
 148 59.8 53.2 79.8



#67
 1,3,5-Trichlorobenzene
 Concen: 8.565 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.62 min
 Lab File: VV009876.D
 Acq: 25 Mar 2019 21:34

Tgt Ion:180 Resp: 14287
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.0 112.6
 184 27.2 24.1 36.1
 145 29.4 24.2 36.4

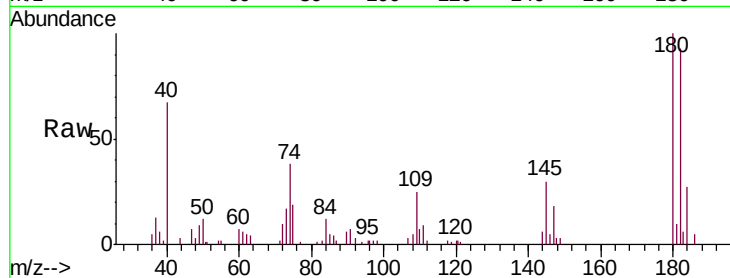




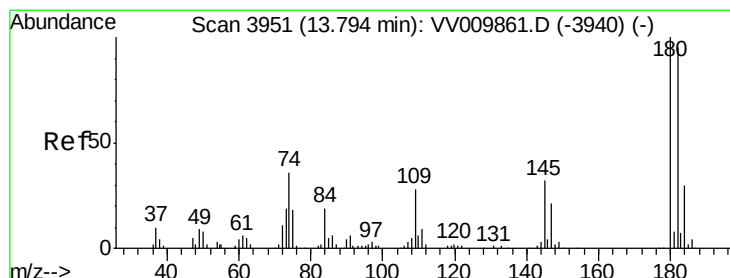
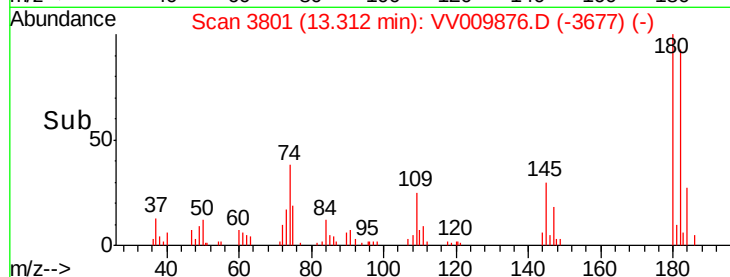
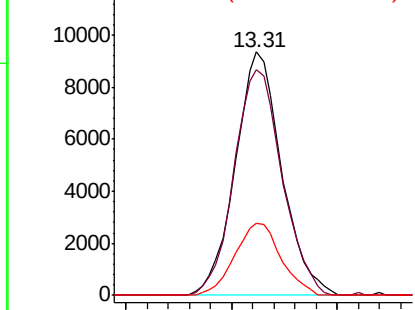
#68
 1,2,4-trichlorobenzene
 Concen: 10.749 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009876.D
 Acq: 25 Mar 2019 21:34

Instrument :
 MSVOA_V
 ClientSampleId :
 C0988DL

Tgt Ion:180 Resp: 14287
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.1 115.7
 145 29.4 24.3 36.5

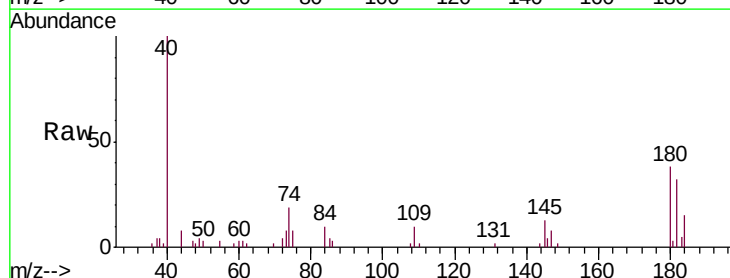


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 2.825 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009876.D
 Acq: 25 Mar 2019 21:34

Tgt Ion:180 Resp: 3799
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.6 113.4
 145 32.6 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

