

Data File : VV009766.D
Acq On : 18 Mar 2019 18:12
Operator : SY/MD
Sample : K1967-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09B8

Quant Time: Mar 19 04:35:16 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	5.66	114	133142	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	125808	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49543	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42234	47.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.10%
7) Chloroethane-d5	1.56	69	34441	52.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.12	63	70636	36.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.90%
21) 2-Butanone-d5	3.93	46	55902	104.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.55%
24) Chloroform-d	4.40	84	80797	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
26) 1,2-Dichloroethane-d4	5.08	65	51039	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
32) Benzene-d6	5.10	84	170604	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.78%
36) 1,2-Dichloropropane-d6	6.12	67	51836	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.58%
41) Toluene-d8	7.36	98	160653	50.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.58%
43) trans-1,3-Dichloropropene-	7.66	79	22760	48.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.18%
47) 2-Hexanone-d5	8.13	63	40859	100.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	73347	48.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.62%
64) 1,2-Dichlorobenzene-d4	11.68	152	51312	51.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.36%

Target Compounds

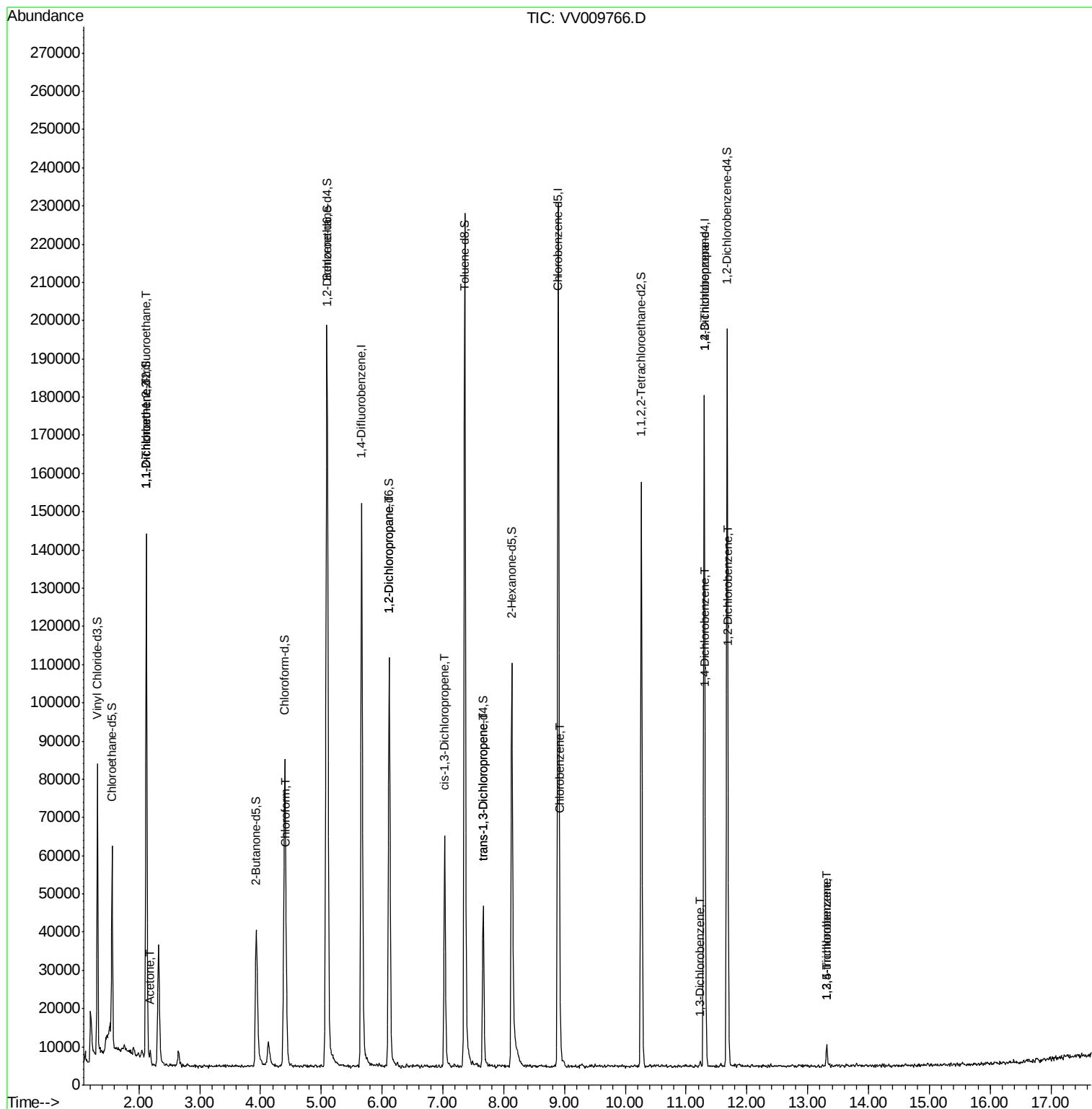
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	545	0.595 ug/L #	19
12) 1,1-Dichloroethene	2.12	96	533	0.671 ug/L #	1
13) Acetone	2.19	43	2082	4.111 ug/L	93
25) Chloroform	4.43	83	4430	2.695 ug/L	84
37) 1,2-Dichloropropane	6.12	63	5594	6.388 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1542	1.153 ug/L #	27
44) trans-1,3-Dichloropropene	7.66	75	1269	1.002 ug/L	89
51) Chlorobenzene	8.93	112	3553	1.383 ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	7168	6.221 ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	722	0.444 ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	3300	2.013 ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	1646	0.993 ug/L	95
67) 1,3,5-Trichlorobenzene	13.32	180	1894	1.832 ug/L	88
68) 1,2,4-trichlorobenzene	13.32	180	1894	2.614 ug/L	88

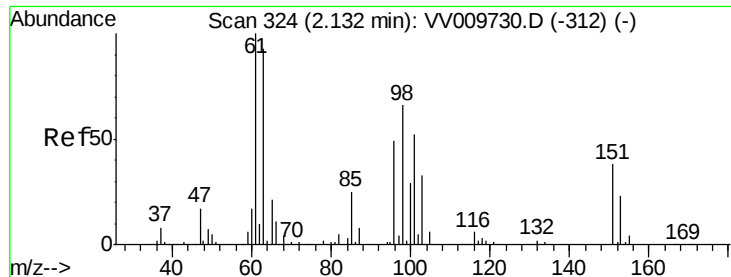
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.595 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009766.D

Acq: 18 Mar 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

C09B8

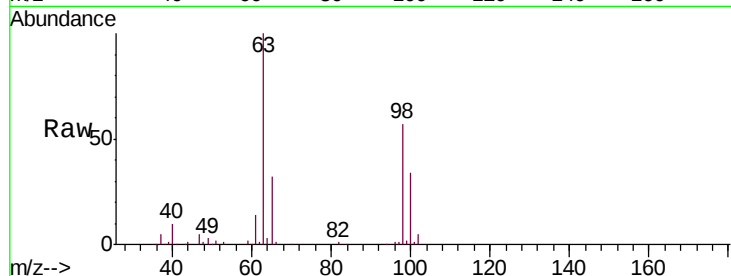
Tgt Ion: 101 Resp: 545

Ion Ratio Lower Upper

101 100

85 0.0 38.5 57.7#

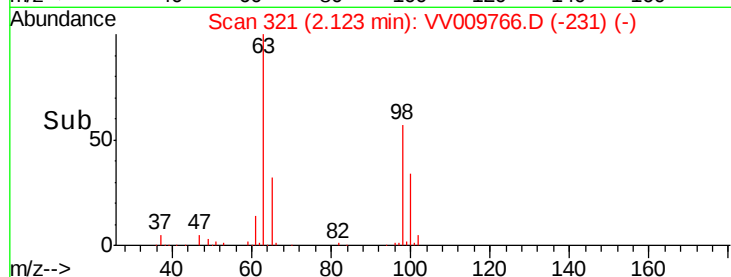
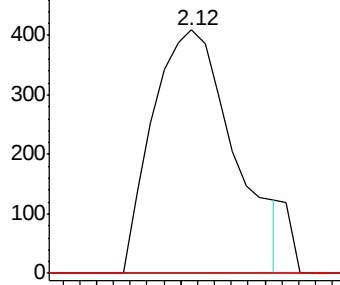
151 0.0 58.9 88.3#



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: 0.671 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009766.D

Acq: 18 Mar 2019 18:12

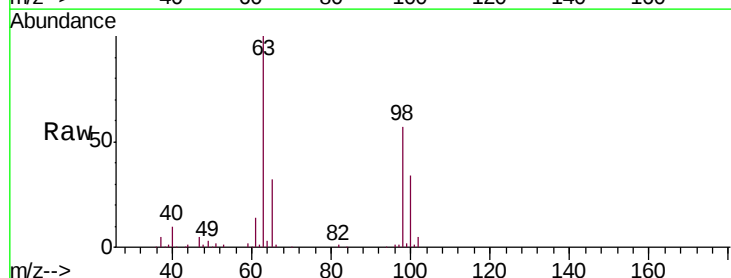
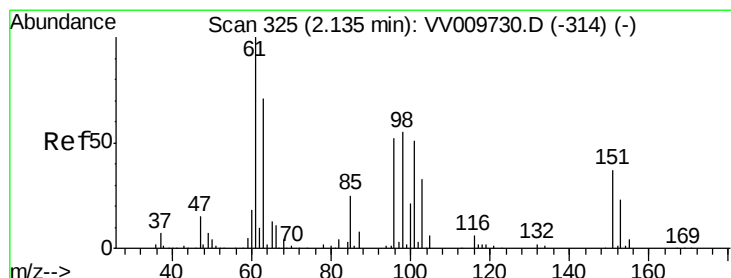
Tgt Ion: 96 Resp: 533

Ion Ratio Lower Upper

96 100

61 1755.9 135.5 251.7#

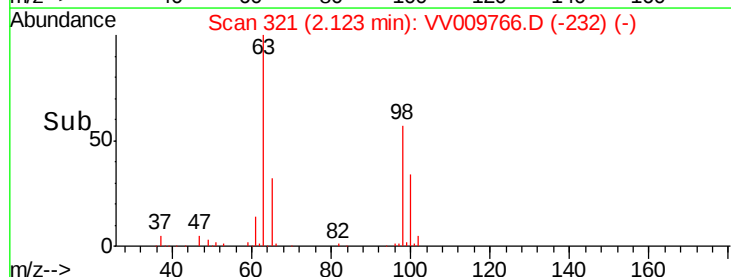
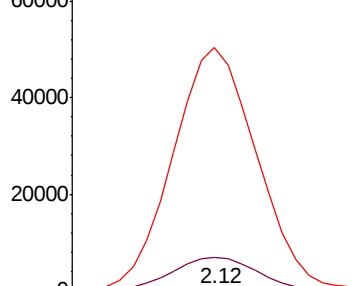
63 12739.2 100.2 186.2#

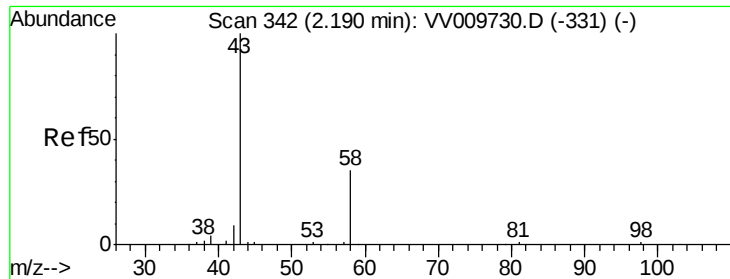


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.111 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV009766.D

Acq: 18 Mar 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

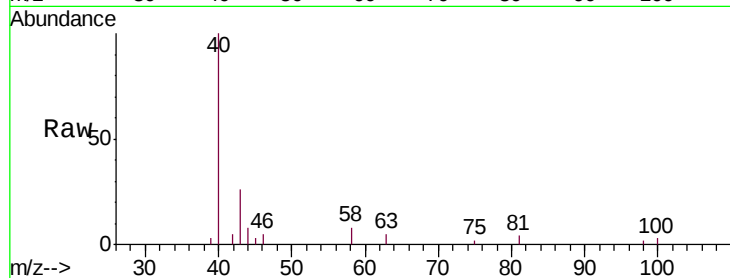
C09B8

Tgt Ion: 43 Resp: 2082

Ion Ratio Lower Upper

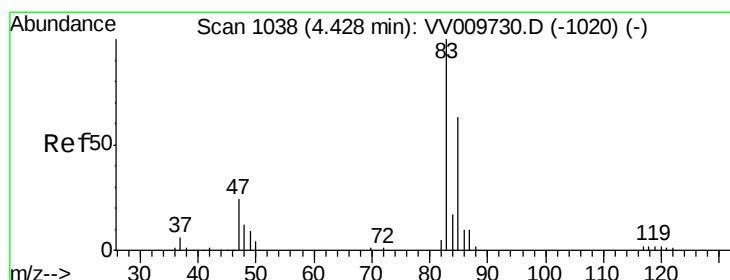
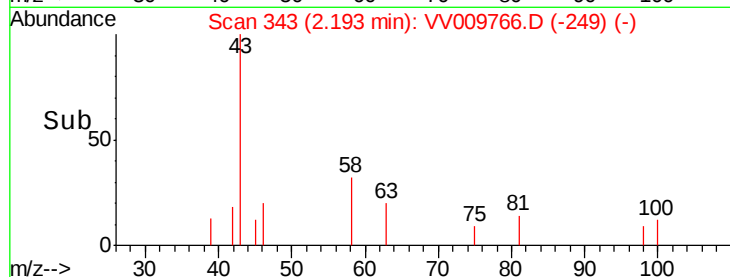
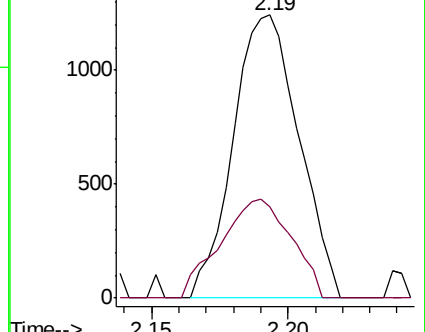
43 100

58 37.7 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VV009730.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009730.D (-331) (-)



#25

Chloroform

Concen: 2.695 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV009766.D

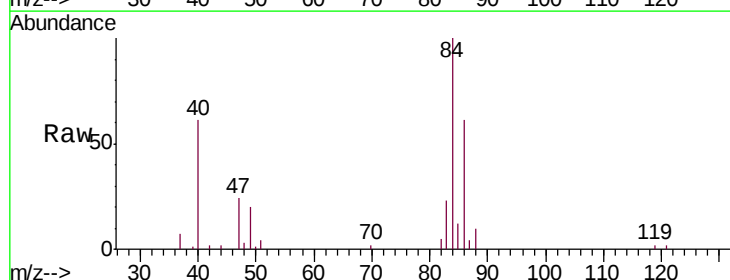
Acq: 18 Mar 2019 18:12

Tgt Ion: 83 Resp: 4430

Ion Ratio Lower Upper

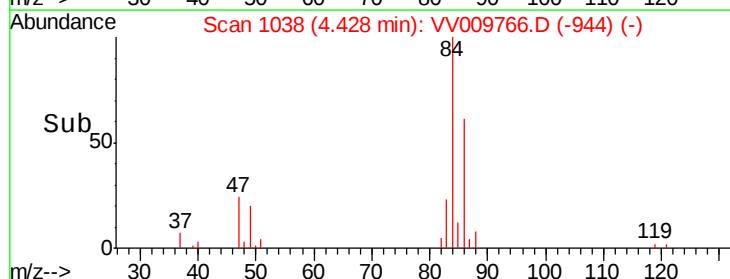
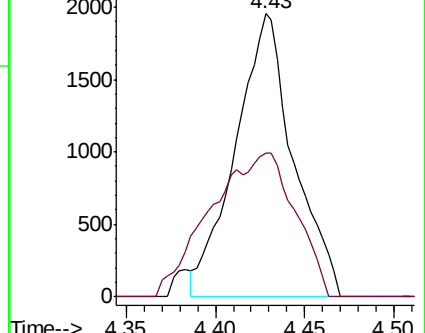
83 100

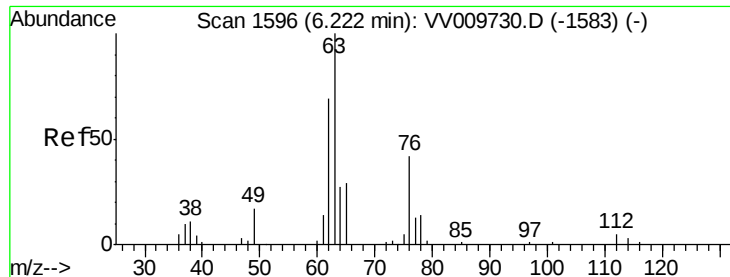
85 50.9 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV009730.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VV009730.D (-1020) (-)





#37

1,2-Dichloropropane

Concen: 6.388 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009766.D

Acq: 18 Mar 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

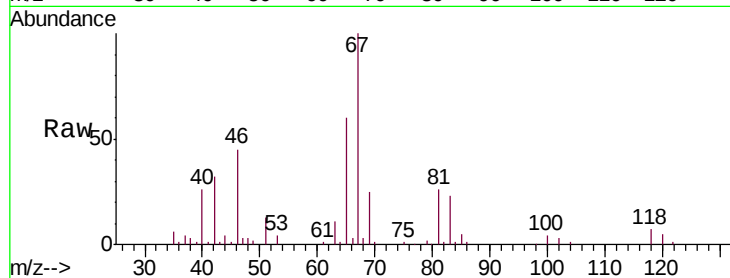
C09B8

Tgt Ion: 63 Resp: 5594

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VV009730.D (-1583) (-)

Ion 112.00 (111.70 to 112.70): VV009730.D (-1583) (-)

6.12

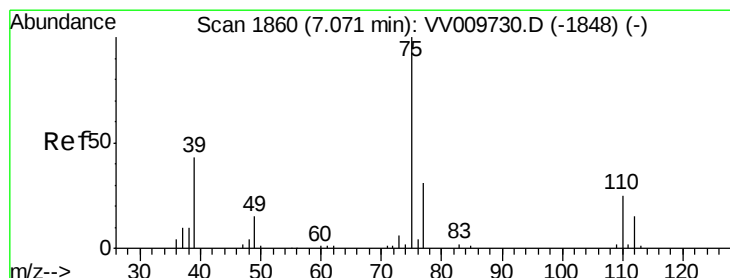
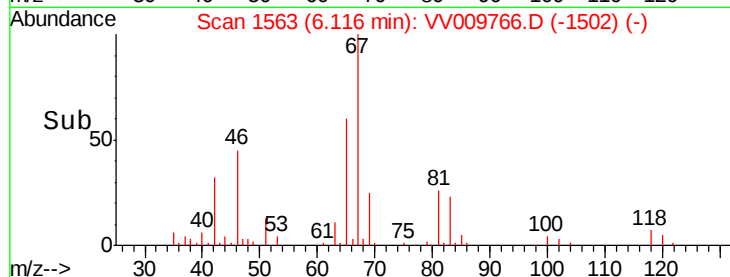
3000

2000

1000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.153 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009766.D

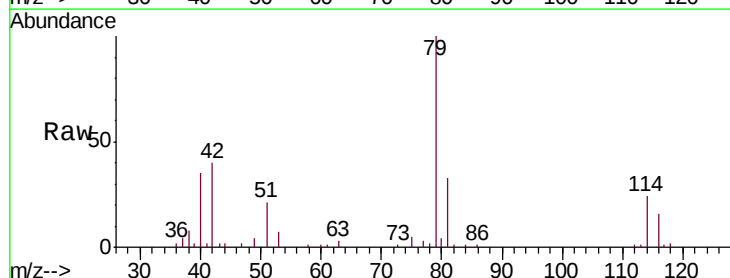
Acq: 18 Mar 2019 18:12

Tgt Ion: 75 Resp: 1542

Ion Ratio Lower Upper

75 100

77 72.6 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV009730.D (-1848) (-)

Ion 77.00 (76.70 to 77.70): VV009730.D (-1848) (-)

7.03

1000

800

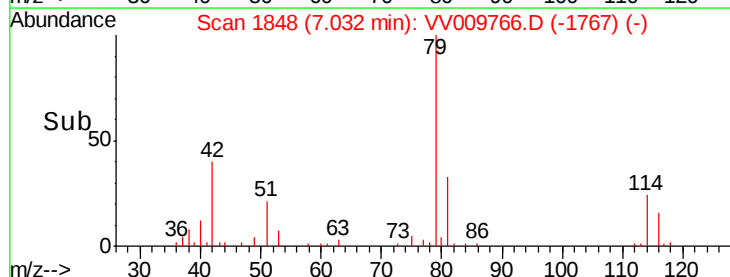
600

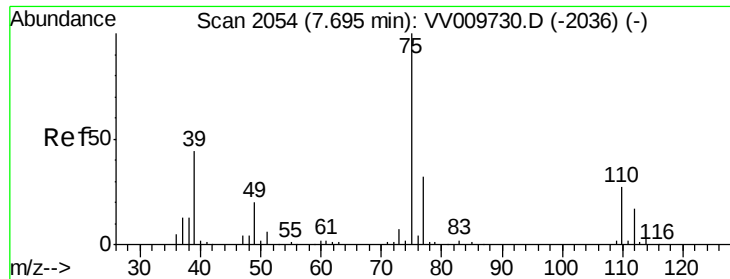
400

200

0

Time-->





#44

trans-1,3-Dichloropropene

Concen: 1.002 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009766.D

Acq: 18 Mar 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

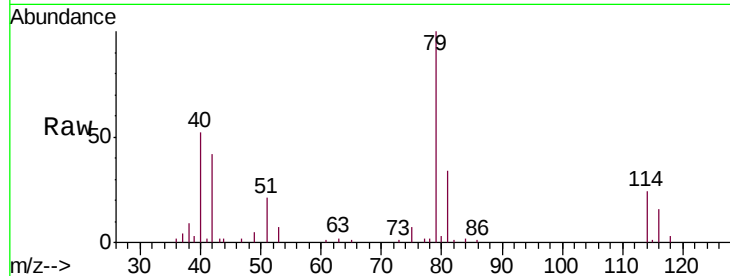
C09B8

Tgt Ion: 75 Resp: 1269

Ion Ratio Lower Upper

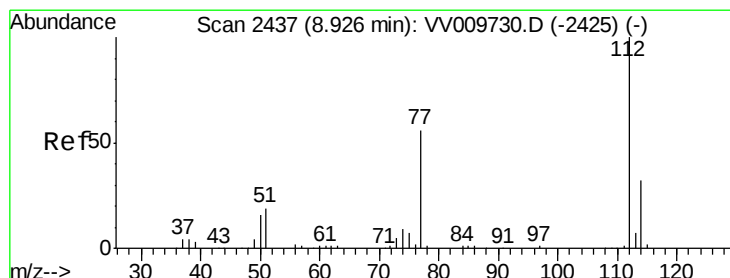
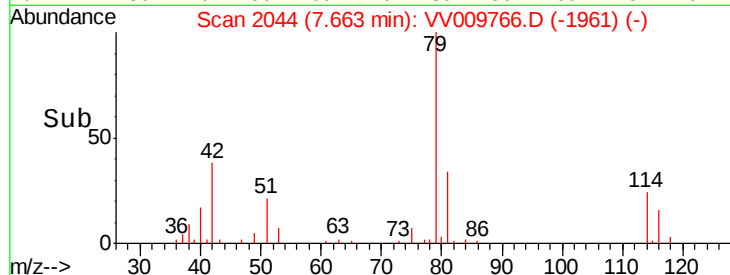
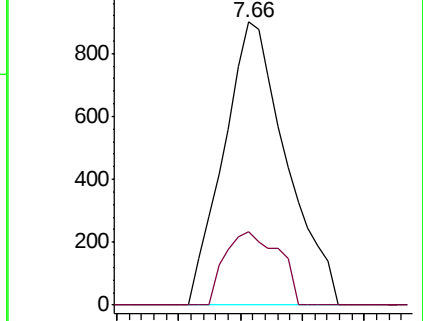
75 100

77 25.8 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009730.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009730.D (-2036) (-)



#51

Chlorobenzene

Concen: 1.383 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009766.D

Acq: 18 Mar 2019 18:12

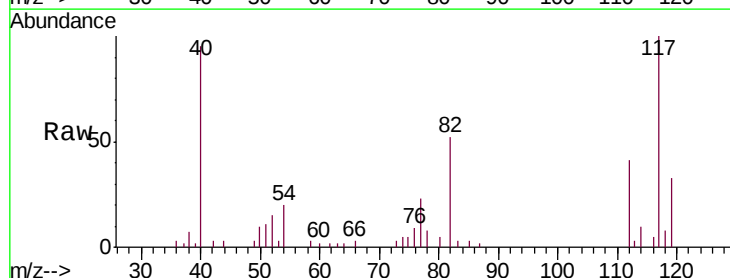
Tgt Ion: 112 Resp: 3553

Ion Ratio Lower Upper

112 100

114 25.3 22.5 41.9

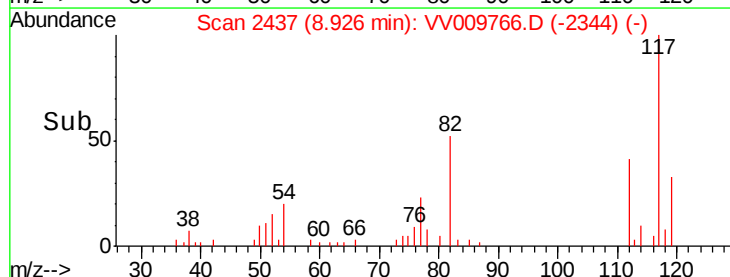
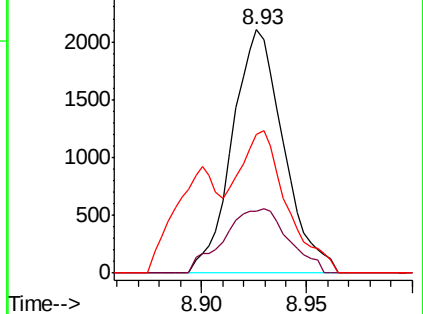
77 56.9 45.4 68.2

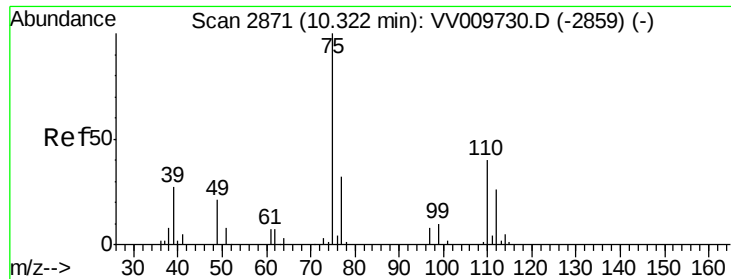


Abundance Ion 112.00 (111.70 to 112.70): VV009730.D (-2425) (-)

Ion 114.00 (113.70 to 114.70): VV009730.D (-2425) (-)

Ion 77.00 (76.70 to 77.70): VV009730.D (-2036) (-)

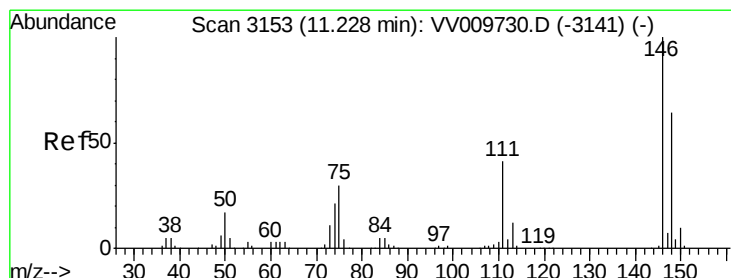
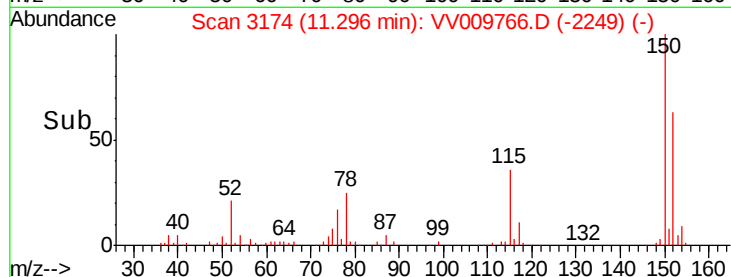
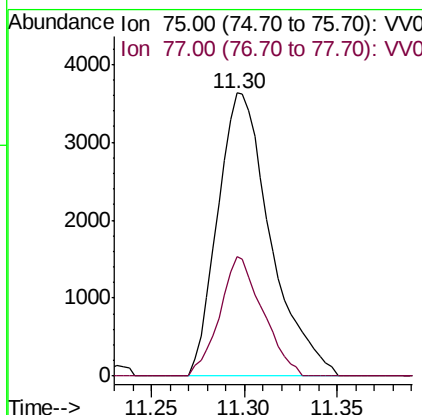
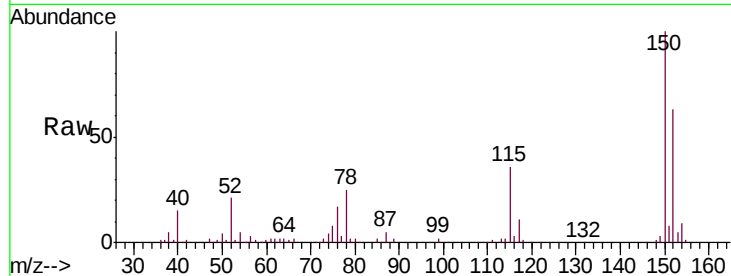




#59
 1,2,3-Trichloropropane
 Concen: 6.221 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.97 min
 Lab File: VV009766.D
 Acq: 18 Mar 2019 18:12

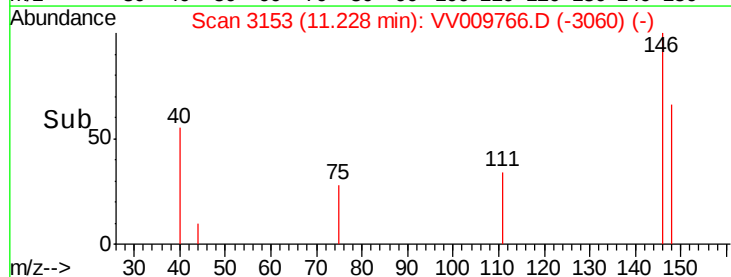
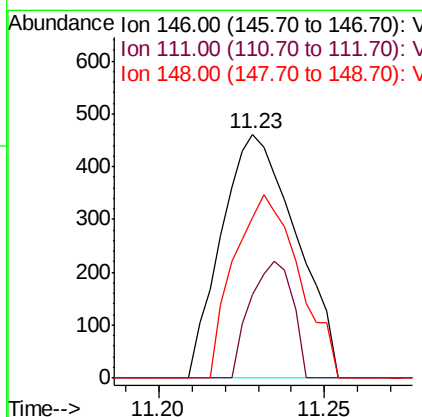
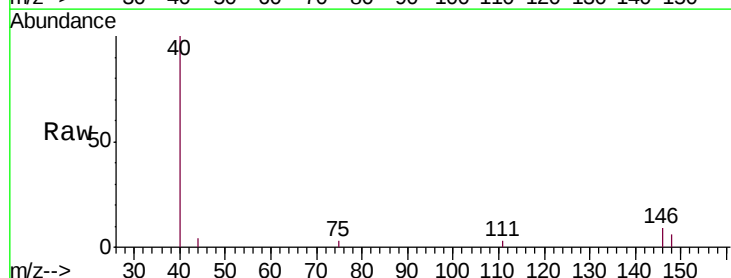
Instrument :
 MSVOA_V
 ClientSampled :
 C09B8

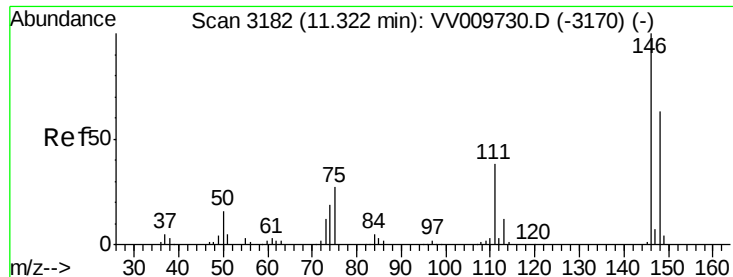
Tgt Ion: 75 Resp: 7168
 Ion Ratio Lower Upper
 75 100
 77 34.5 26.2 39.4



#62
 1,3-Dichlorobenzene
 Concen: 0.444 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009766.D
 Acq: 18 Mar 2019 18:12

Tgt Ion: 146 Resp: 722
 Ion Ratio Lower Upper
 146 100
 111 34.5 28.8 53.4
 148 65.9 44.8 83.2

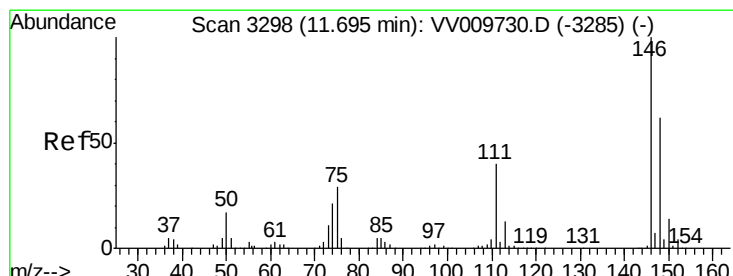
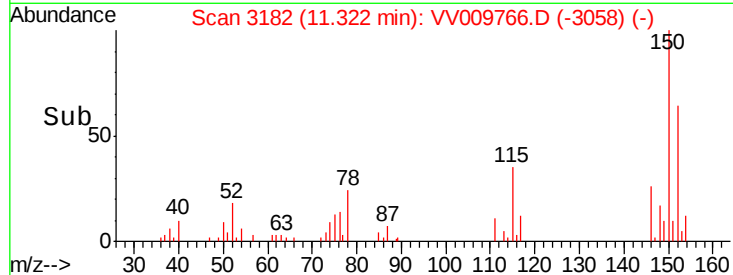
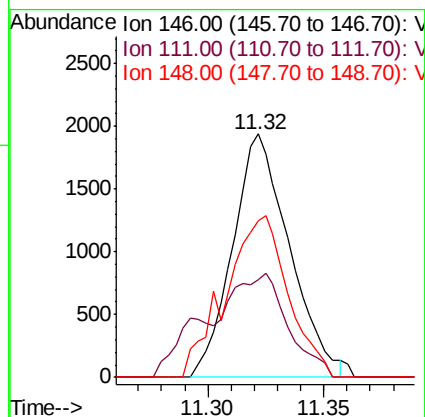
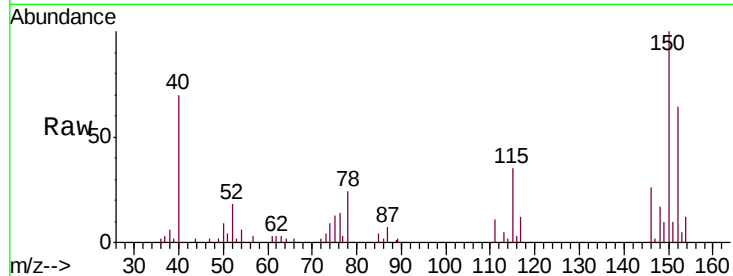




#63
 1,4-Dichlorobenzene
 Concen: 2.013 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009766.D
 Acq: 18 Mar 2019 18:12

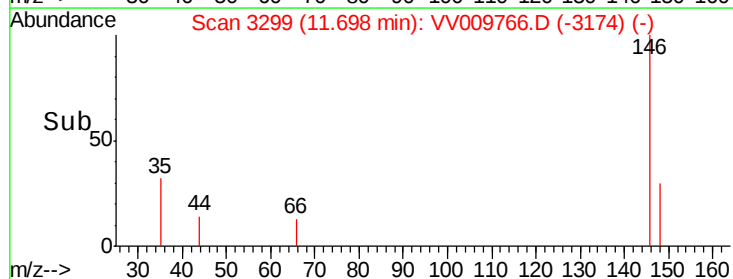
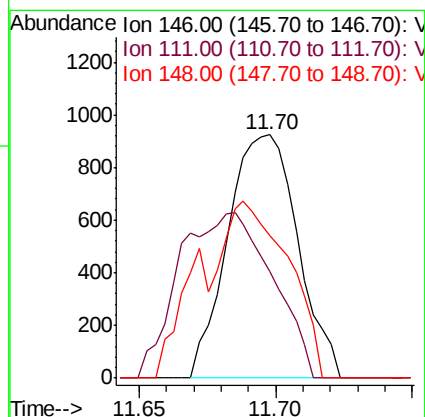
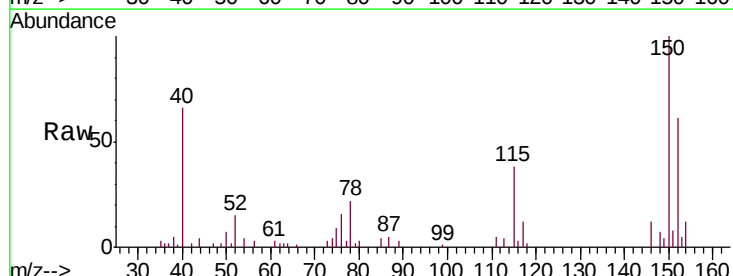
Instrument :
 MSVOA_V
 ClientSampled :
 C09B8

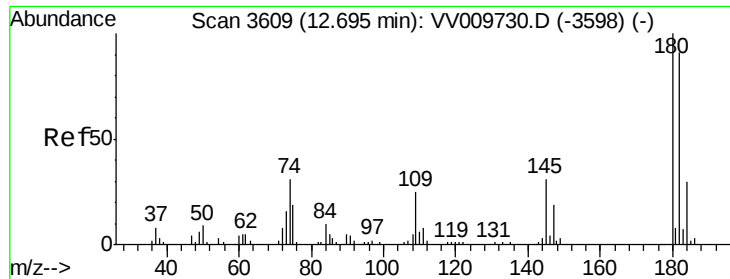
Tgt Ion:146 Resp: 3300
 Ion Ratio Lower Upper
 146 100
 111 40.2 26.7 49.5
 148 64.4 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 0.993 ug/L
 RT: 11.70 min Scan# 3299
 Delta R.T. 0.00 min
 Lab File: VV009766.D
 Acq: 18 Mar 2019 18:12

Tgt Ion:146 Resp: 1646
 Ion Ratio Lower Upper
 146 100
 111 43.9 32.2 48.4
 148 58.3 49.6 74.4

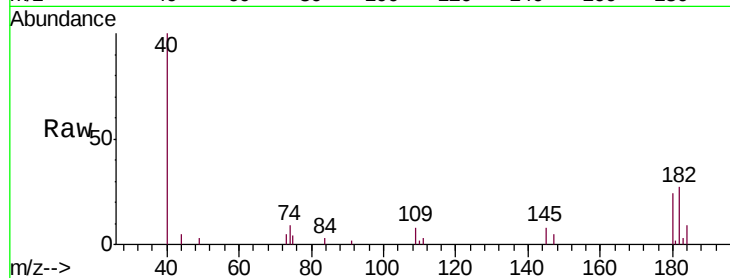




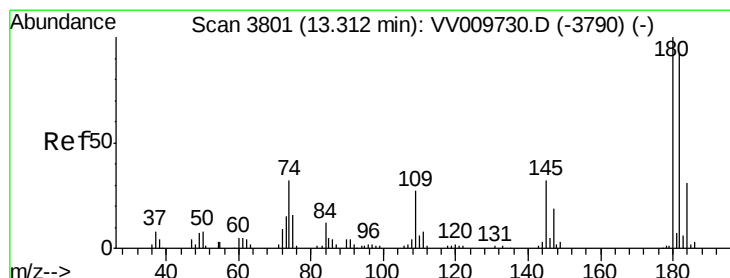
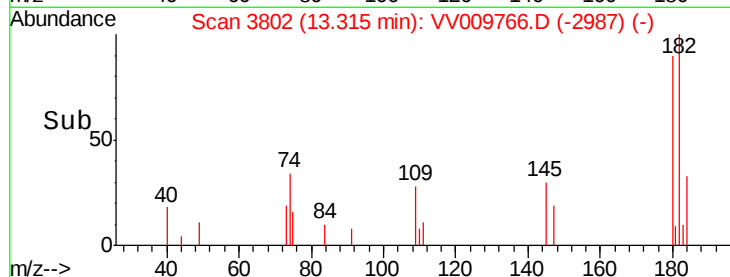
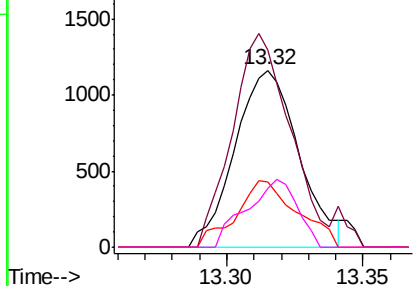
#67
 1,3,5-Trichlorobenzene
 Concen: 1.832 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.62 min
 Lab File: VV009766.D
 Acq: 18 Mar 2019 18:12

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B8

Tgt Ion:180 Resp: 1894
 Ion Ratio Lower Upper
 180 100
 182 109.0 73.9 110.9
 184 32.3 23.4 35.2
 145 30.6 24.6 37.0

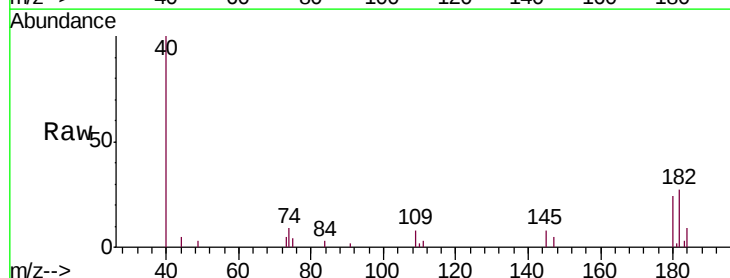


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.614 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009766.D
 Acq: 18 Mar 2019 18:12

Tgt Ion:180 Resp: 1894
 Ion Ratio Lower Upper
 180 100
 182 109.0 75.7 113.5
 145 30.6 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

