

Data File : VV009779.D
Acq On : 19 Mar 2019 15:42
Operator : SY/MD
Sample : K1967-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09B4

Quant Time: Mar 20 05:19:44 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	137549	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	129080	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	48416	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44030	47.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.96%
7) Chloroethane-d5	1.56	69	35868	52.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.84%
11) 1,1-Dichloroethene-d2	2.13	63	72002	36.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.92%
21) 2-Butanone-d5	3.93	46	55407	100.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.30%
24) Chloroform-d	4.40	84	82334	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	5.08	65	52354	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.26%
32) Benzene-d6	5.10	84	179957	53.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.70%
36) 1,2-Dichloropropane-d6	6.12	67	54794	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.72%
41) Toluene-d8	7.36	98	167926	51.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.48%
43) trans-1,3-Dichloropropene-	7.66	79	23816	49.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.08%
47) 2-Hexanone-d5	8.13	63	39936	95.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.55%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	75054	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
64) 1,2-Dichlorobenzene-d4	11.68	152	54092	55.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.42%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	2.13	101	739	0.432	ug/L #	24
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	739	0.781	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	628	0.766	ug/L #	1
39) cis-1,3-Dichloropropene	7.03	75	1755	1.279	ug/L #	62
44) trans-1,3-Dichloropropene	7.67	75	1221	0.939	ug/L #	66
51) Chlorobenzene	8.93	112	1191	0.452	ug/L	94
59) 1,2,3-Trichloropropane	11.30	75	6416	5.428	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	786	0.490	ug/L #	83
65) 1,2-Dichlorobenzene	11.69	146	755	0.466	ug/L #	74
67) 1,3,5-Trichlorobenzene	13.31	180	550	0.544	ug/L #	25
68) 1,2,4-trichlorobenzene	13.31	180	550	0.777	ug/L #	16

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

Data File : VV009779.D

Acq On : 19 Mar 2019 15:42

Operator : SY/MD

Sample : K1967-03

Misc : 5.0mL/MSV0A_V/WATER

ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09B4

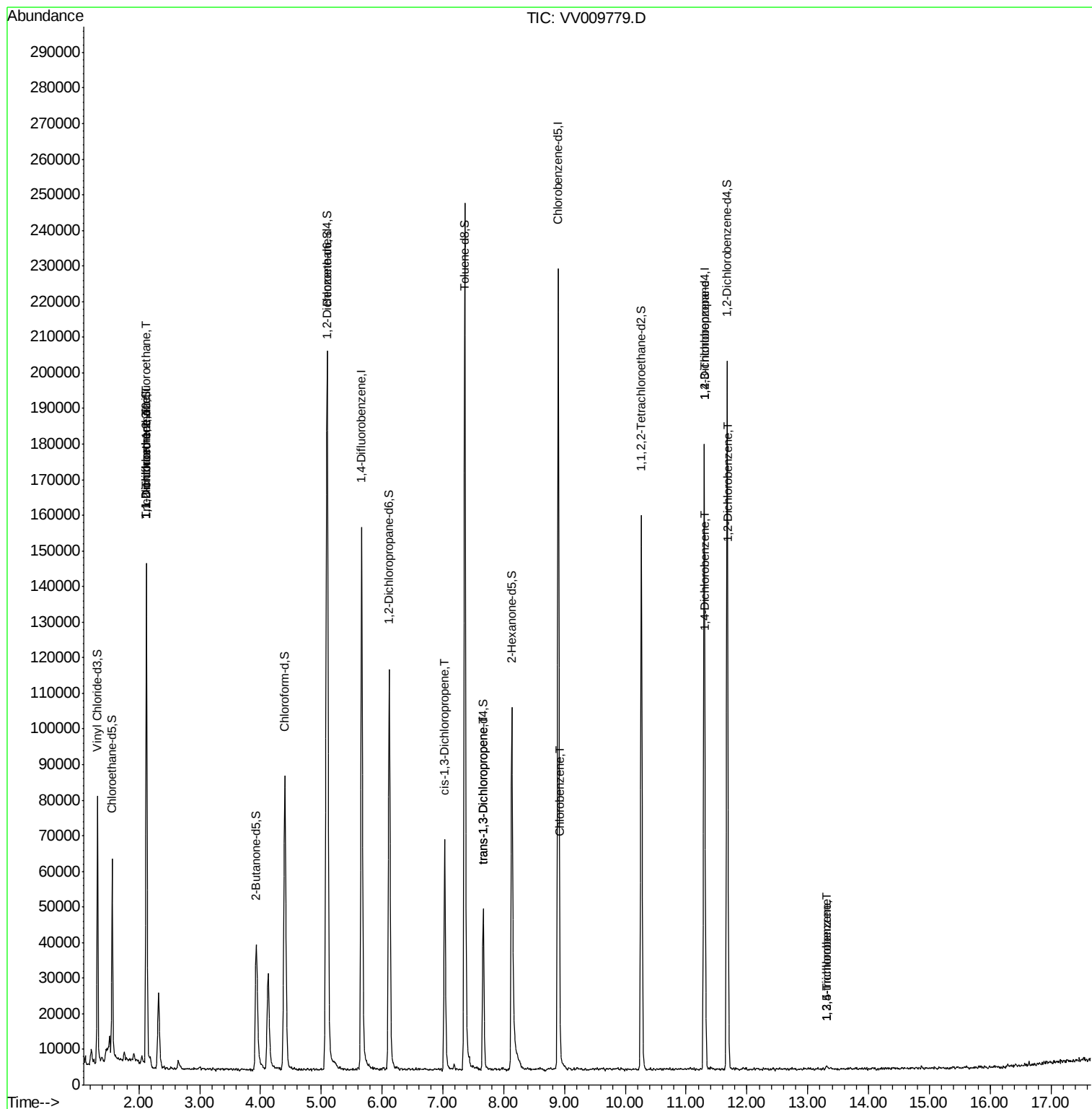
Quant Time: Mar 20 05:19:44 2019

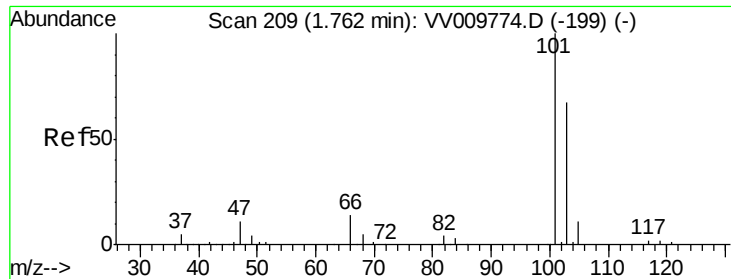
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM031719WMA.M

Quant Title : VOC Analysis

QLast Update : Wed Mar 20 05:16:13 2019

Response via : Initial Calibration



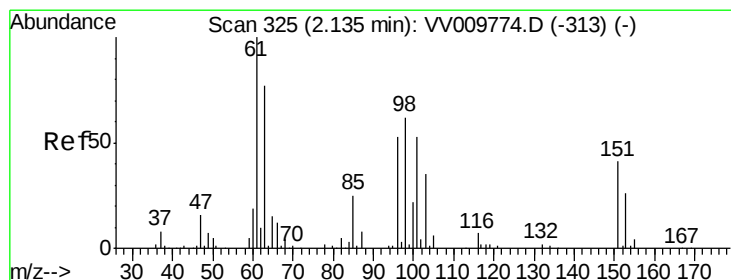
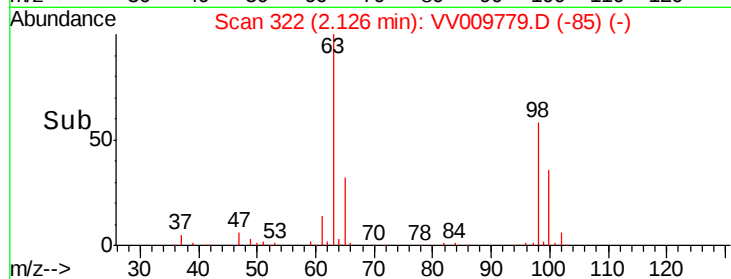
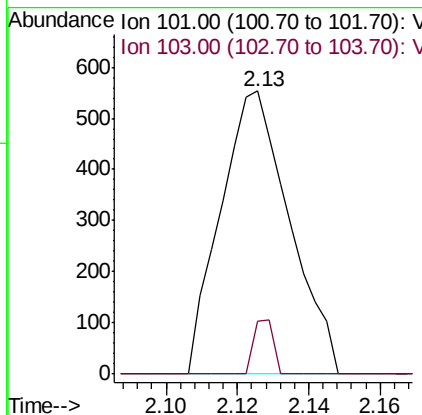
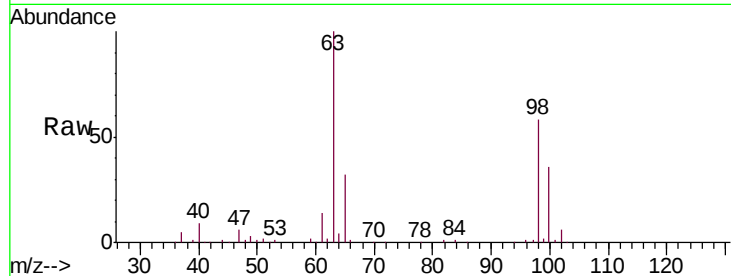


#9

Trichlorofluoromethane
 Concen: 0.432 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. 0.36 min
 Lab File: VV009779.D
 Acq: 19 Mar 2019 15:42

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B4

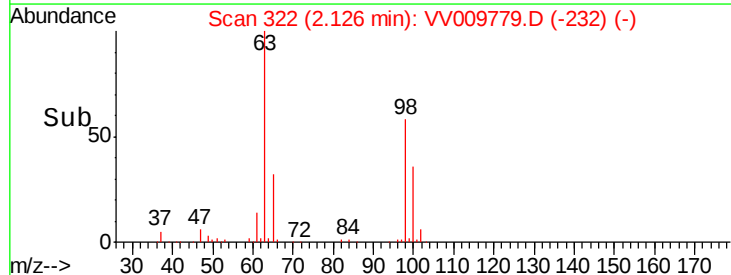
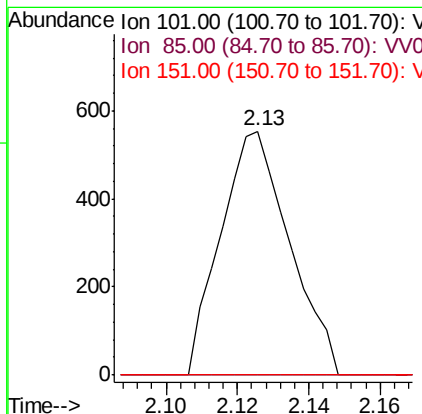
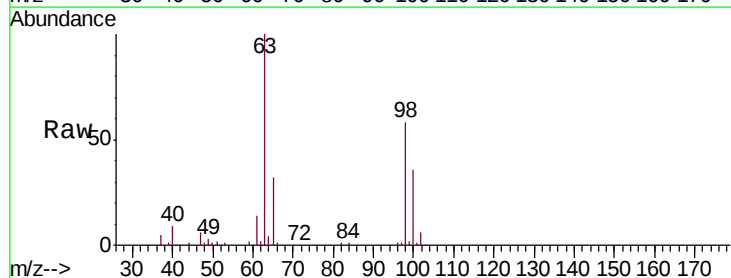
Tgt Ion:101 Resp: 739
 Ion Ratio Lower Upper
 101 100
 103 5.5 52.3 78.5#

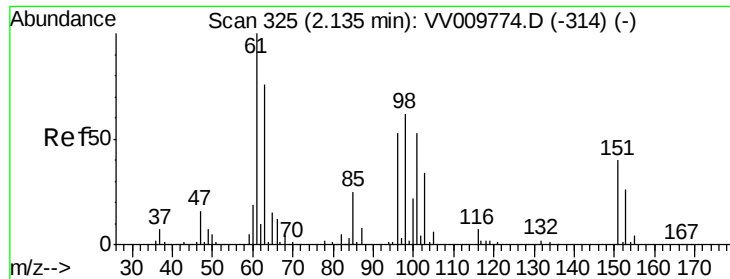


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.781 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV009779.D
 Acq: 19 Mar 2019 15:42

Tgt Ion:101 Resp: 739
 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: 0.766 ug/L

RT: 2.13 min Scan# 323

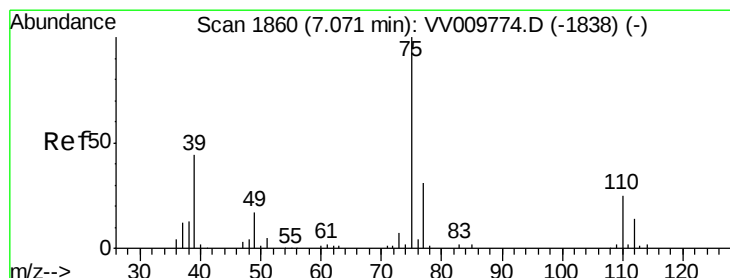
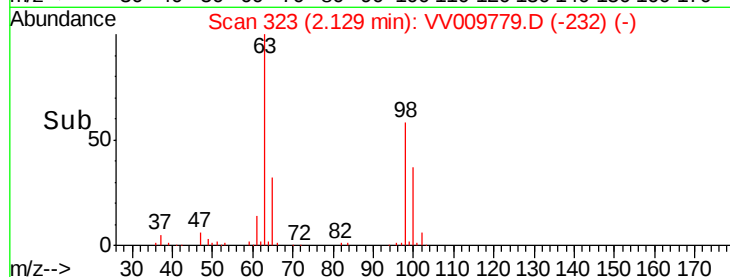
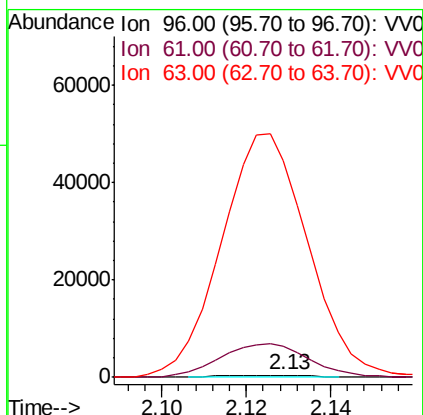
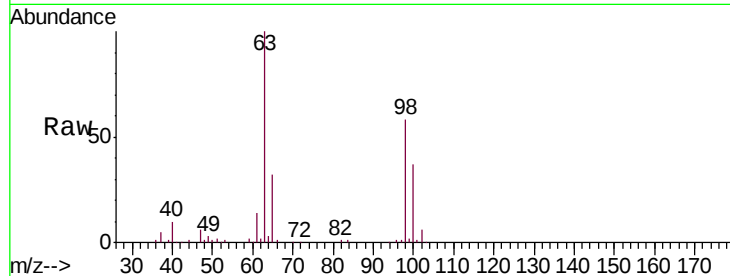
Delta R.T. -0.01 min

Lab File: VV009779.D

Acq: 19 Mar 2019 15:42

Instrument :
MSVOA_V
ClientSampleId :
C09B4

Tgt Ion:	96	Resp:	628
Ion	Ratio	Lower	Upper
96	100		
61	1335.6	135.5	251.7#
63	9440.7	100.2	186.2#



#39

cis-1,3-Dichloropropene

Concen: 1.279 ug/L

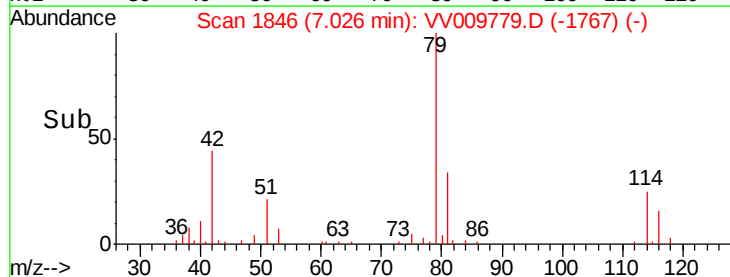
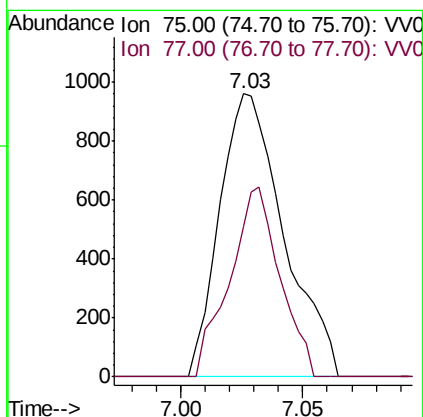
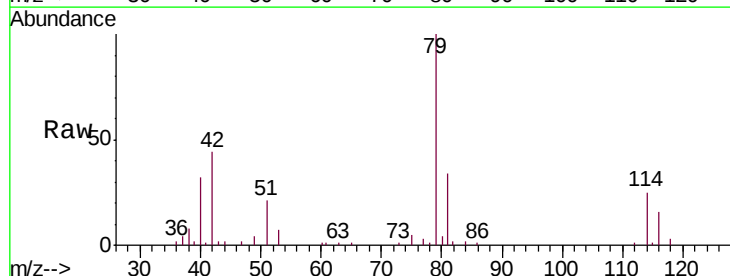
RT: 7.03 min Scan# 1846

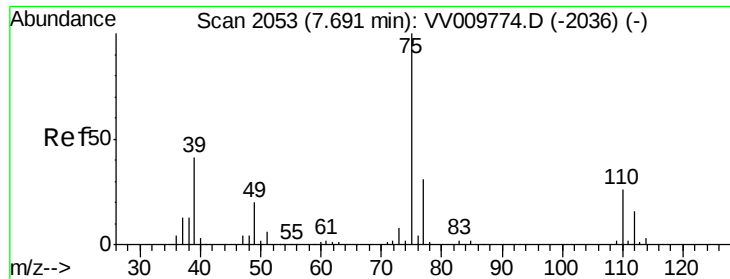
Delta R.T. -0.05 min

Lab File: VV009779.D

Acq: 19 Mar 2019 15:42

Tgt Ion:	75	Resp:	1755
Ion	Ratio	Lower	Upper
75	100		
77	53.2	22.4	41.6#





#44

trans-1,3-Dichloropropene

Concen: 0.939 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009779.D

Acq: 19 Mar 2019 15:42

Instrument :

MSVOA_V

ClientSampleId :

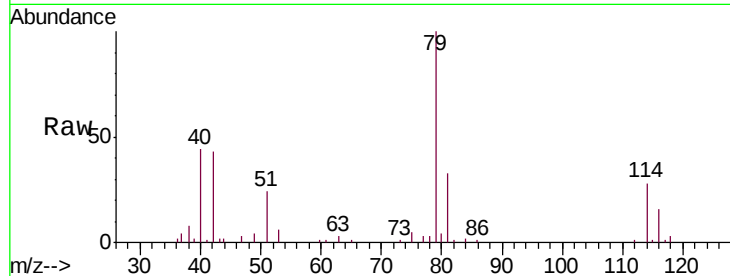
C09B4

Tgt Ion: 75 Resp: 1221

Ion Ratio Lower Upper

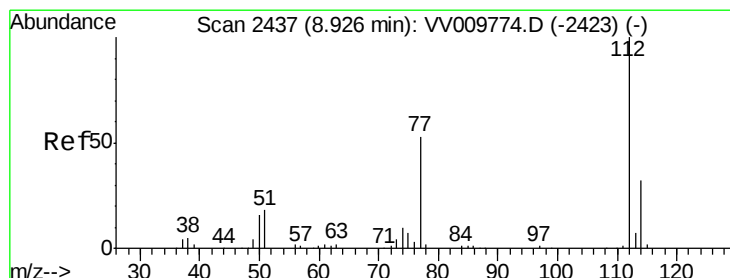
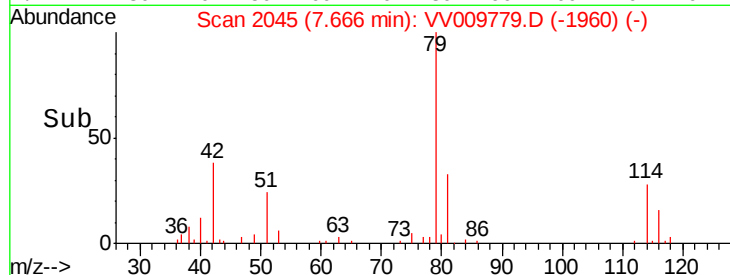
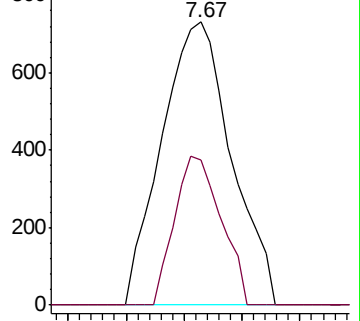
75 100

77 51.3 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#51

Chlorobenzene

Concen: 0.452 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009779.D

Acq: 19 Mar 2019 15:42

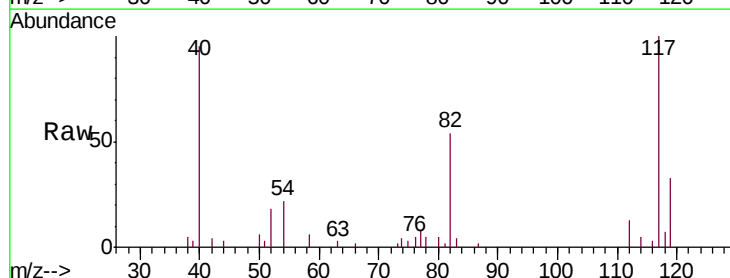
Tgt Ion: 112 Resp: 1191

Ion Ratio Lower Upper

112 100

114 35.7 22.5 41.9

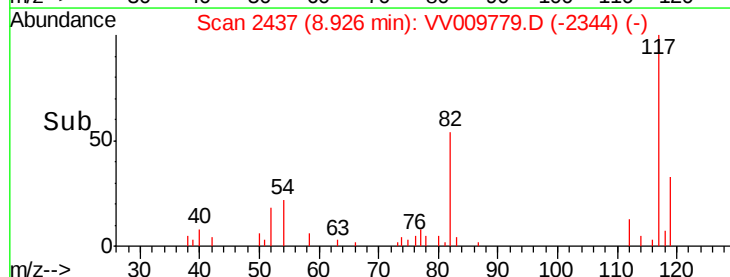
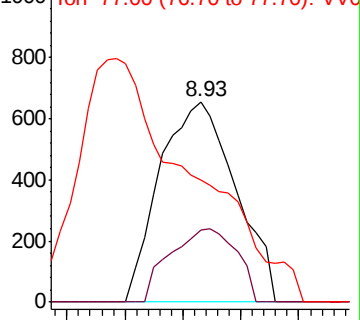
77 61.0 45.4 68.2

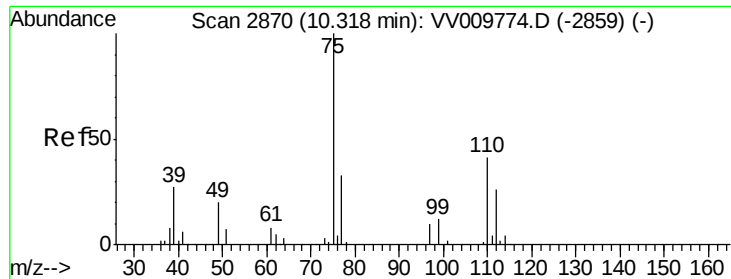


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.428 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009779.D

Acq: 19 Mar 2019 15:42

Instrument :

MSVOA_V

ClientSampled :

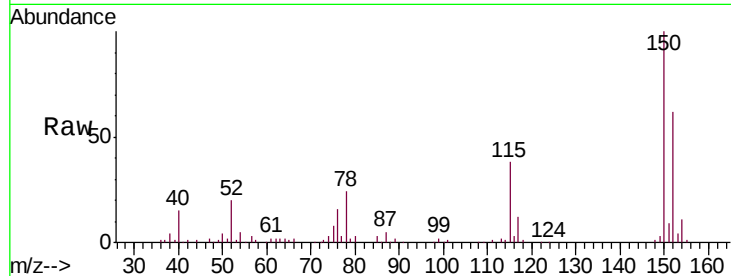
C09B4

Tgt Ion: 75 Resp: 6416

Ion Ratio Lower Upper

75 100

77 36.2 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV009779.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV009779.D (-2248) (-)

11.30

4000

3000

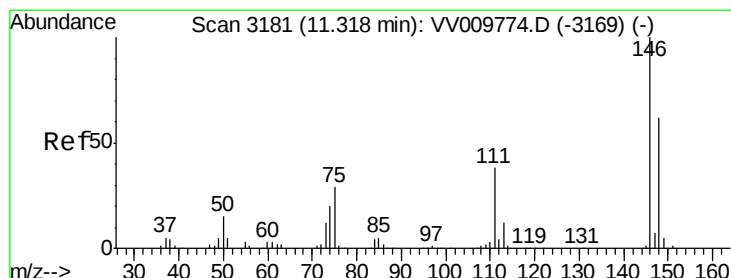
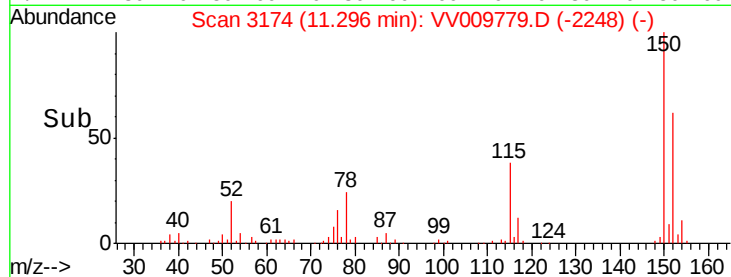
2000

1000

0

11.25 11.30 11.35

Time-->



#63

1,4-Dichlorobenzene

Concen: 0.490 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009779.D

Acq: 19 Mar 2019 15:42

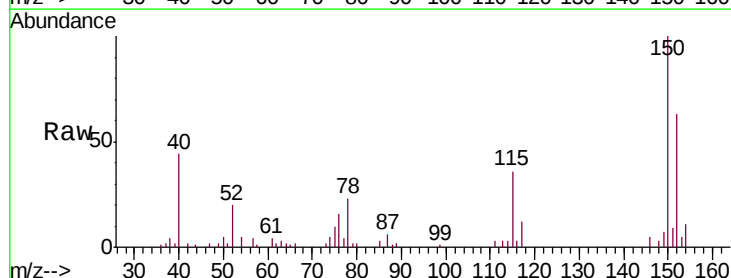
Tgt Ion: 146 Resp: 786

Ion Ratio Lower Upper

146 100

111 58.2 26.7 49.5#

148 68.8 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): VV009779.D (-3057) (-)

Ion 111.00 (110.70 to 111.70): VV009779.D (-3057) (-)

Ion 148.00 (147.70 to 148.70): VV009779.D (-3057) (-)

11.32

600

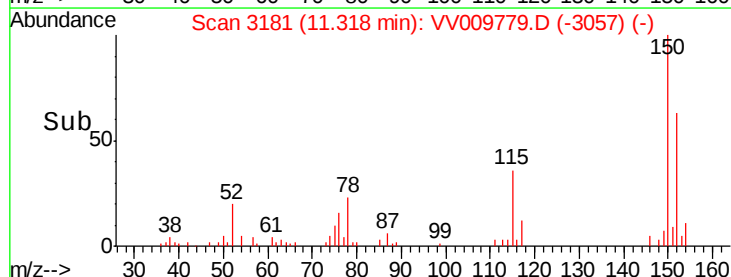
400

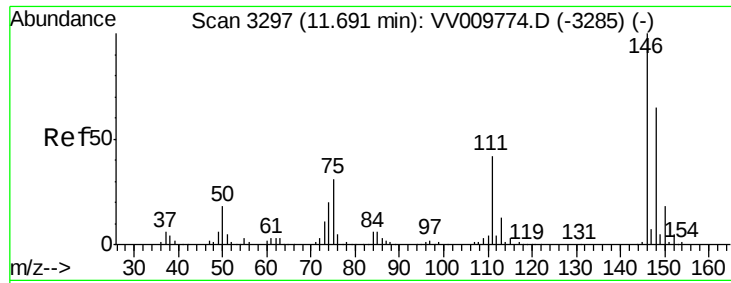
200

0

11.30 11.35

Time-->





#65

1,2-Dichlorobenzene

Concen: 0.466 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV009779.D

Acq: 19 Mar 2019 15:42

Instrument :

MSVOA_V

ClientSampleId :

C09B4

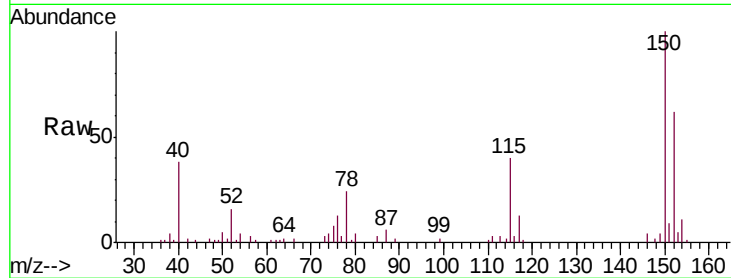
Tgt Ion:146 Resp: 755

Ion Ratio Lower Upper

146 100

111 71.1 32.2 48.4#

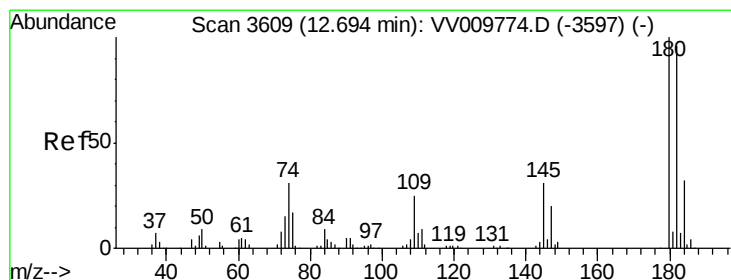
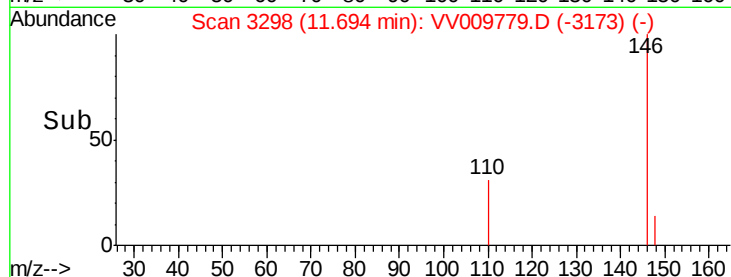
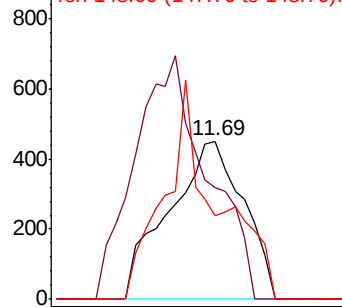
148 53.3 49.6 74.4



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



#67

1,3,5-Trichlorobenzene

Concen: 0.544 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.62 min

Lab File: VV009779.D

Acq: 19 Mar 2019 15:42

Tgt Ion:180 Resp: 550

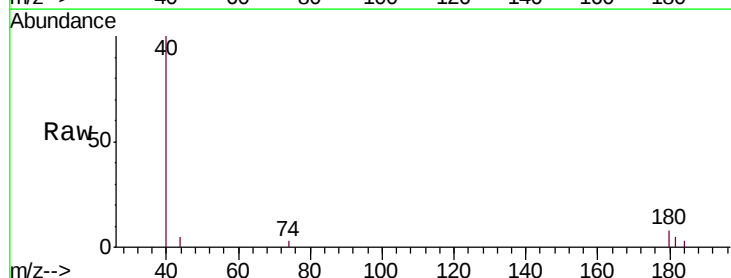
Ion Ratio Lower Upper

180 100

182 4.2 73.9 110.9#

184 8.2 23.4 35.2#

145 0.0 24.6 37.0#

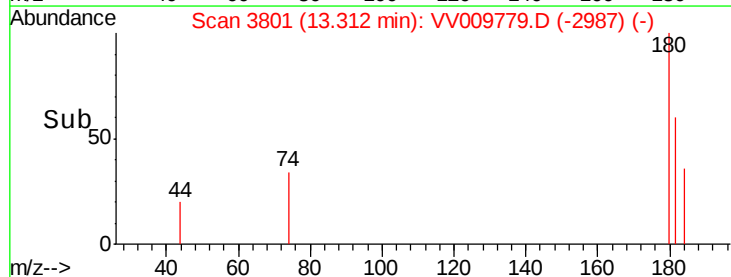
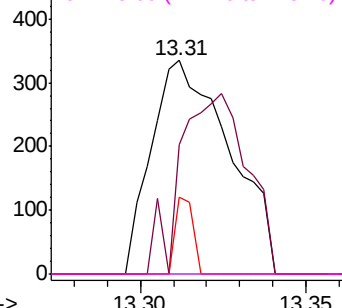


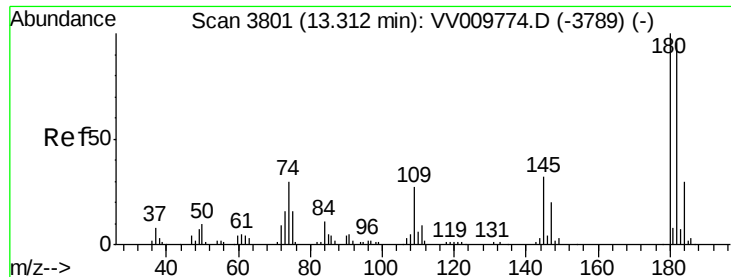
Abundance Ion 180.00 (179.70 to 180.70): V

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: 0.777 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009779.D
 Acq: 19 Mar 2019 15:42

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B4

Tgt Ion	Ratio	Lower	Upper
180	100		
182	4.2	75.7	113.5#
145	0.0	25.3	37.9#

