

Data File : VV009767.D
Acq On : 18 Mar 2019 18:36
Operator : SY/MD
Sample : K1967-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09B9

Quant Time: Mar 19 04:35:30 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	5.67	114	134391	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	127242	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49799	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41660	45.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.96%
7) Chloroethane-d5	1.56	69	33406	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.94%
11) 1,1-Dichloroethene-d2	2.12	63	69179	35.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.70%
21) 2-Butanone-d5	3.93	46	52849	97.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.92%
24) Chloroform-d	4.40	84	76562	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
26) 1,2-Dichloroethane-d4	5.08	65	48743	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.48%
32) Benzene-d6	5.10	84	167086	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
36) 1,2-Dichloropropane-d6	6.12	67	50472	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.72%
41) Toluene-d8	7.36	98	156934	49.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.10%
43) trans-1,3-Dichloropropene-	7.66	79	21813	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.14%
47) 2-Hexanone-d5	8.13	63	39353	95.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.51%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	71371	46.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.96%
64) 1,2-Dichlorobenzene-d4	11.68	152	51316	50.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.86%

Target Compounds

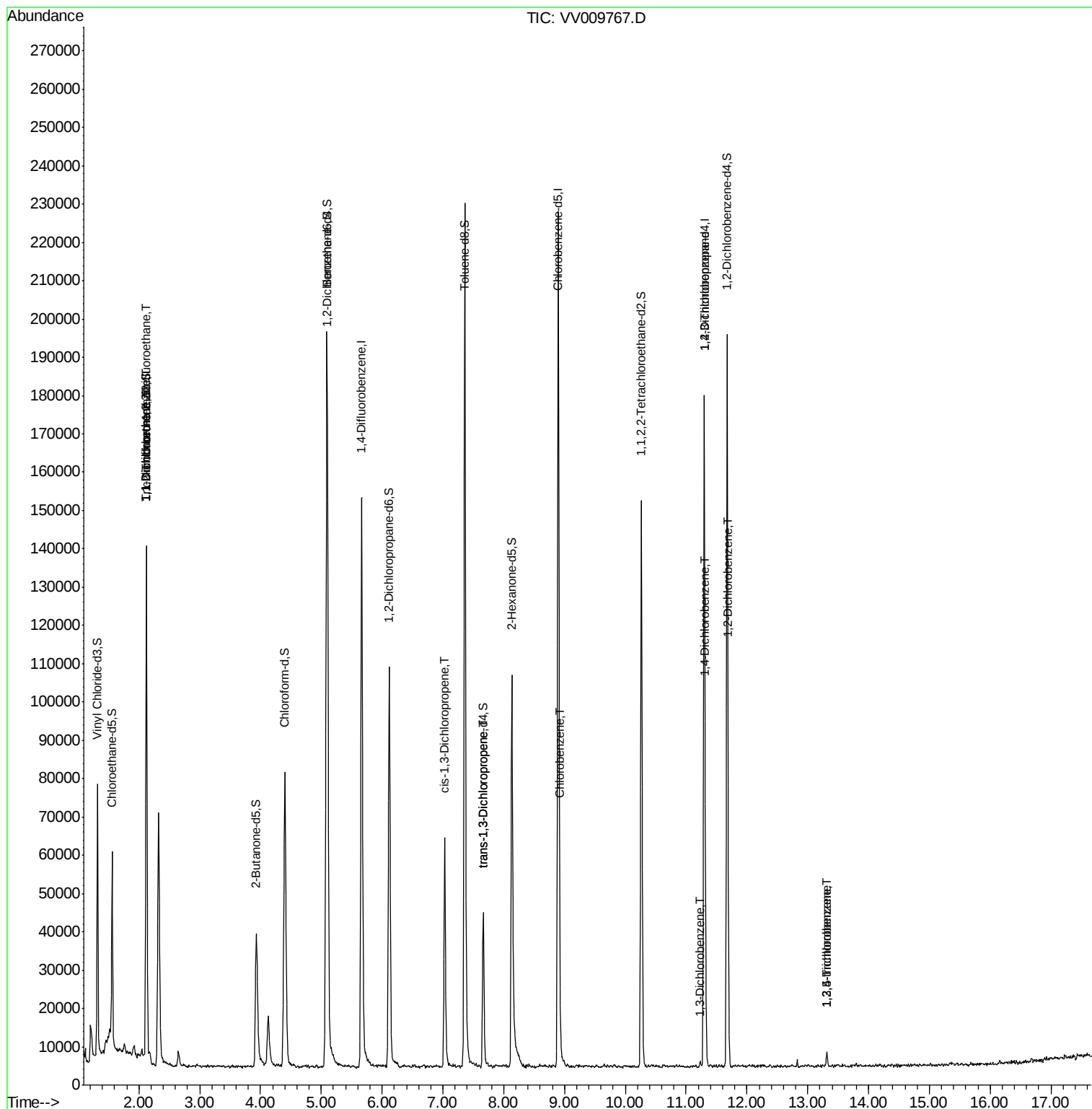
						Qvalue
9) Trichlorofluoromethane	2.13	101	768	0.460	ug/L #	17
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	768	0.831	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	550	0.686	ug/L #	1
39) cis-1,3-Dichloropropene	7.03	75	1707	1.262	ug/L #	59
44) trans-1,3-Dichloropropene	7.67	75	1113	0.869	ug/L	95
51) Chlorobenzene	8.93	112	2747	1.057	ug/L	90
59) 1,2,3-Trichloropropane	11.30	75	6764	5.805	ug/L	92
62) 1,3-Dichlorobenzene	11.23	146	655	0.401	ug/L	80
63) 1,4-Dichlorobenzene	11.32	146	2649	1.607	ug/L	94
65) 1,2-Dichlorobenzene	11.70	146	1417	0.850	ug/L #	84
67) 1,3,5-Trichlorobenzene	13.31	180	1433	1.379	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	1433	1.968	ug/L	93

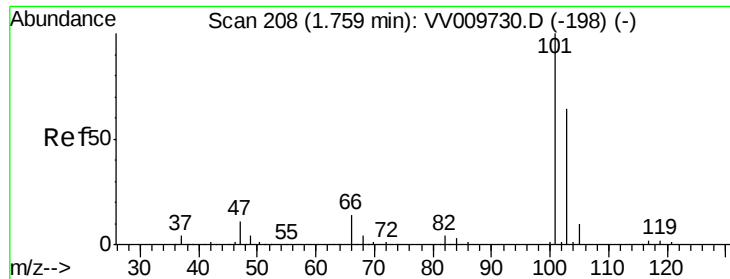
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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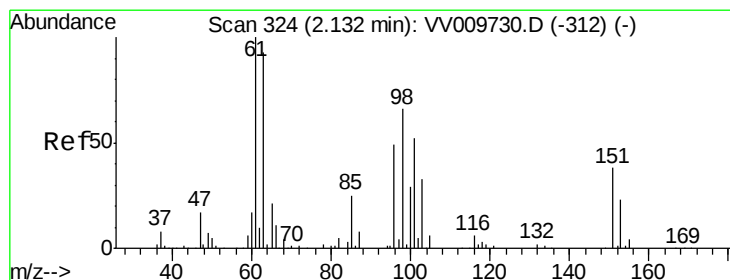
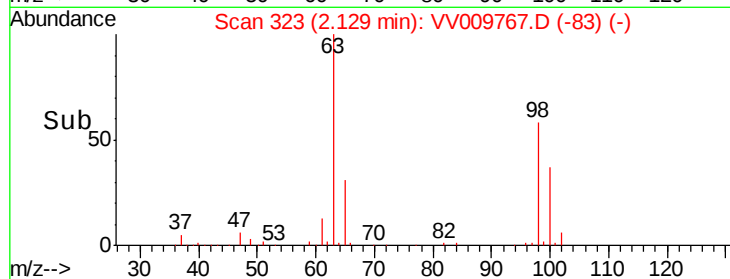
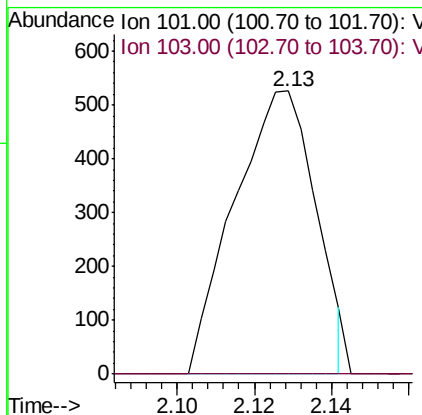
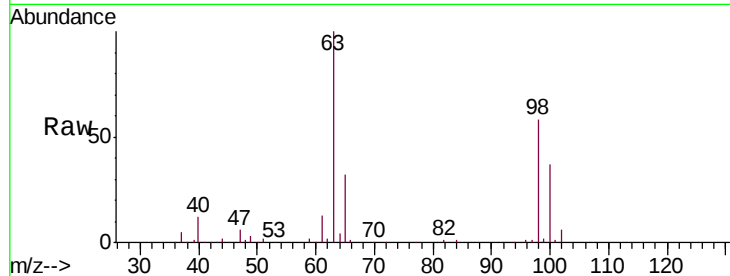


#9

Trichlorofluoromethane
Concen: 0.460 ug/L
RT: 2.13 min Scan# 323
Delta R.T. 0.37 min
Lab File: VV009767.D
Acq: 18 Mar 2019 18:36

Instrument :
MSVOA_V
ClientSampleId :
C09B9

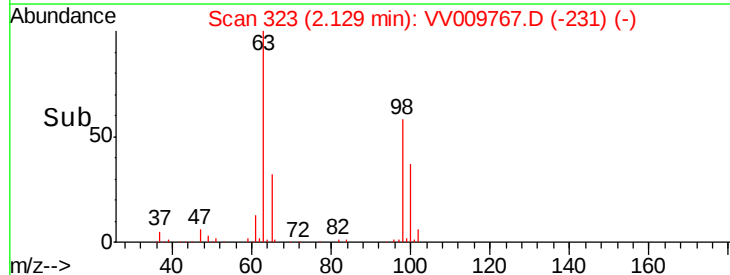
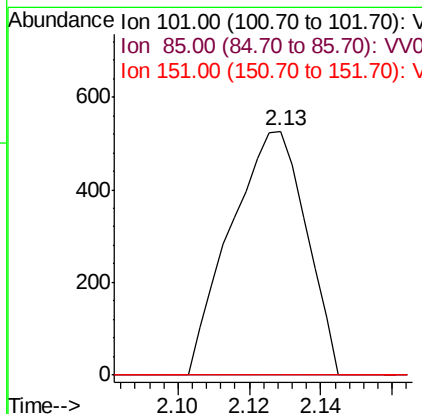
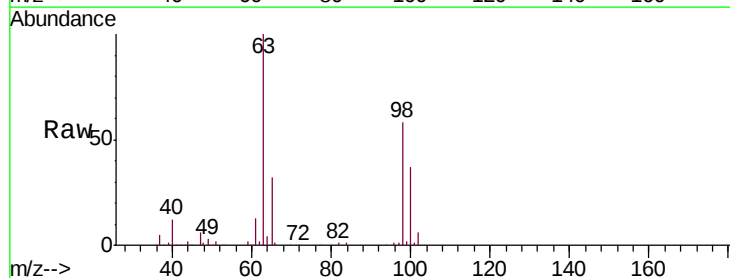
Tgt Ion:101 Resp: 768
Ion Ratio Lower Upper
101 100
103 0.0 52.3 78.5#

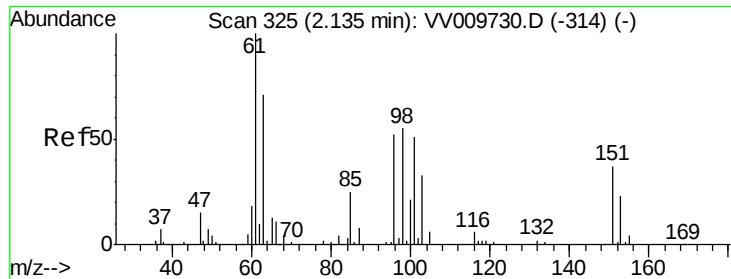


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.831 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.00 min
Lab File: VV009767.D
Acq: 18 Mar 2019 18:36

Tgt Ion:101 Resp: 768
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: 0.686 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009767.D

Acq: 18 Mar 2019 18:36

Instrument :

MSVOA_V

ClientSampleId :

C09B9

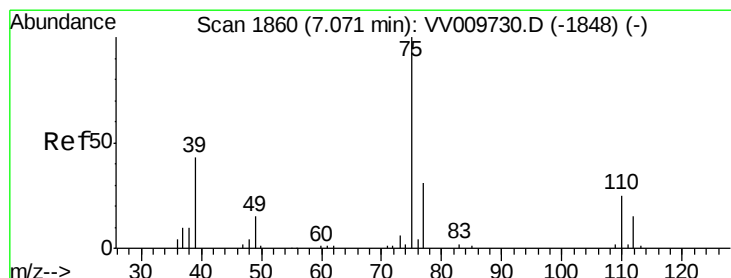
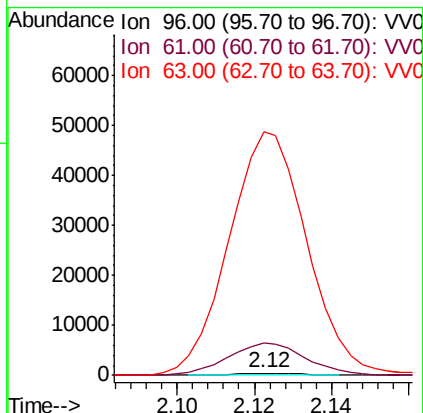
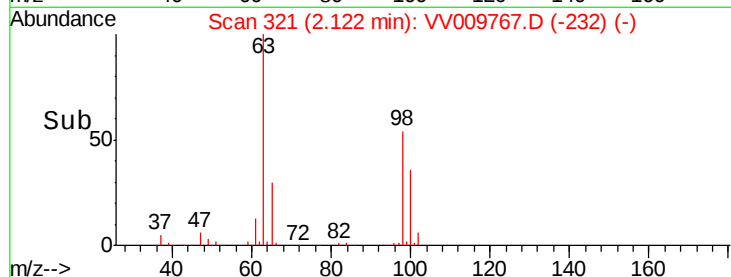
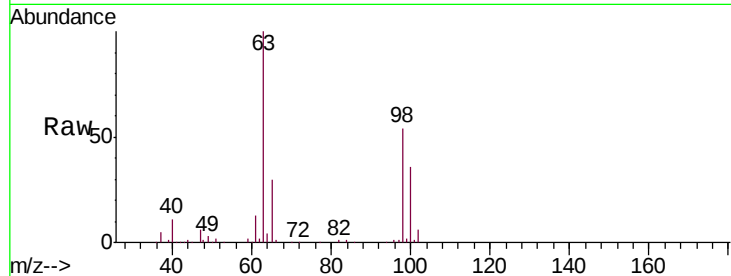
Tgt Ion: 96 Resp: 550

Ion Ratio Lower Upper

96 100

61 1449.3 135.5 251.7#

63 11078.2 100.2 186.2#



#39

cis-1,3-Dichloropropene

Concen: 1.262 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009767.D

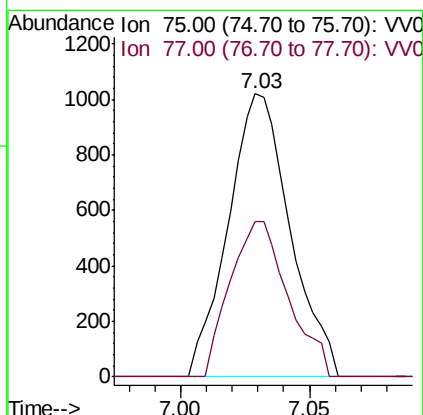
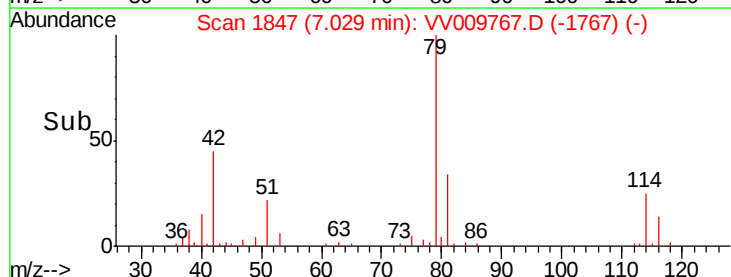
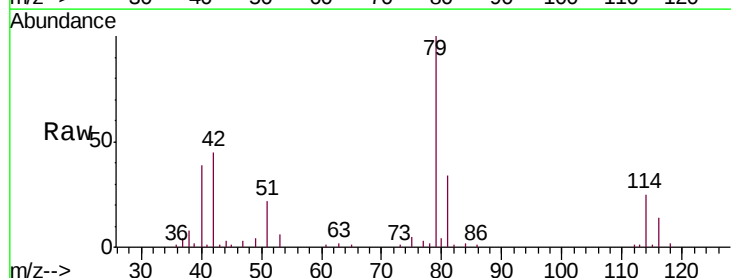
Acq: 18 Mar 2019 18:36

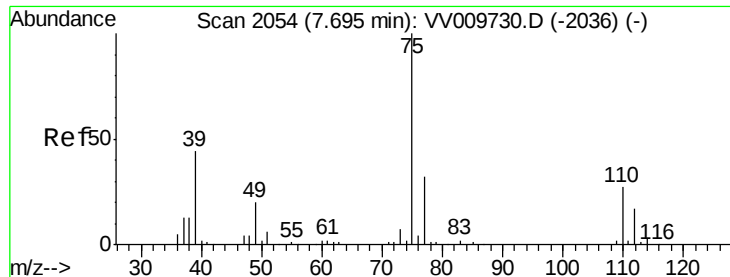
Tgt Ion: 75 Resp: 1707

Ion Ratio Lower Upper

75 100

77 55.0 22.4 41.6#





#44

trans-1,3-Dichloropropene

Concen: 0.869 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009767.D

Acq: 18 Mar 2019 18:36

Instrument :

MSVOA_V

ClientSampleId :

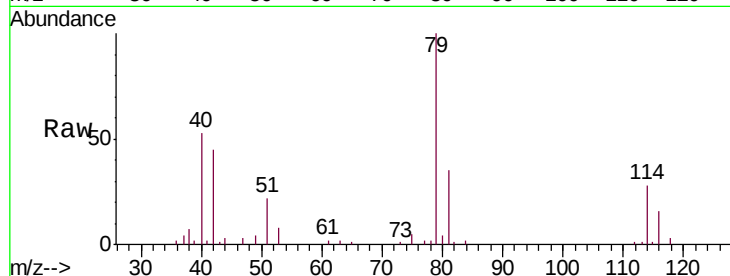
C09B9

Tgt Ion: 75 Resp: 1113

Ion Ratio Lower Upper

75 100

77 34.9 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) (-)

7.67

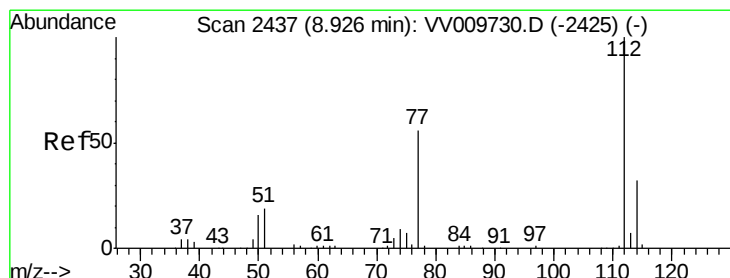
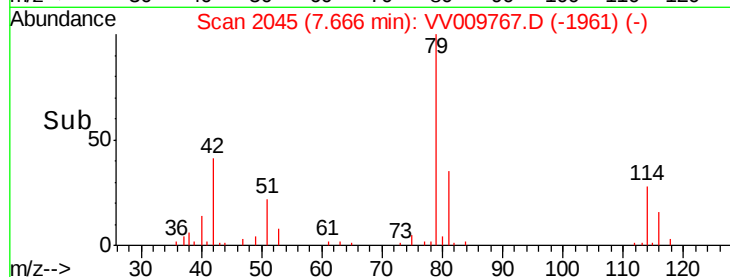
600

400

200

0

Time-->



#51

Chlorobenzene

Concen: 1.057 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009767.D

Acq: 18 Mar 2019 18:36

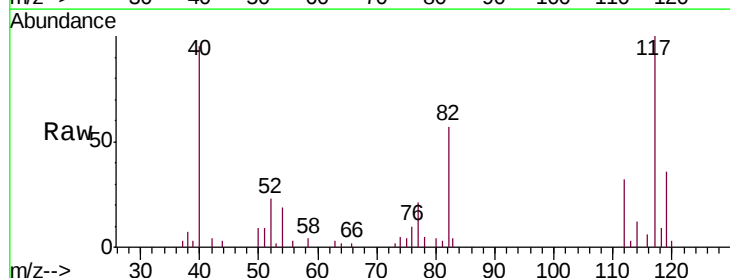
Tgt Ion: 112 Resp: 2747

Ion Ratio Lower Upper

112 100

114 36.8 22.5 41.9

77 65.0 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 (-2425) (-)

8.93

2000

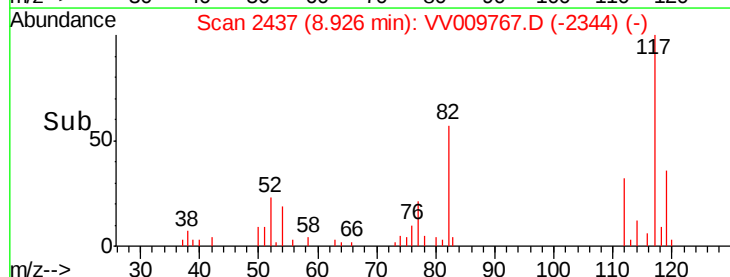
1500

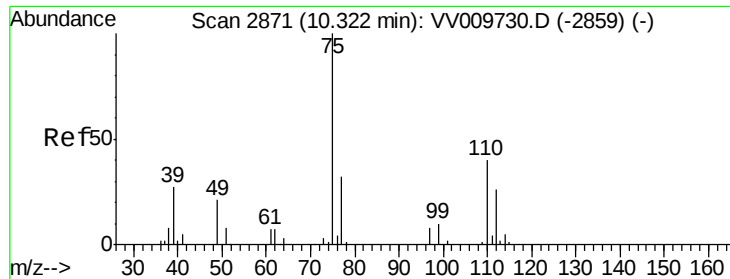
1000

500

0

Time-->

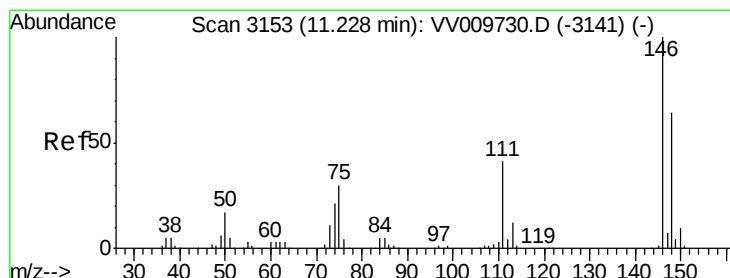
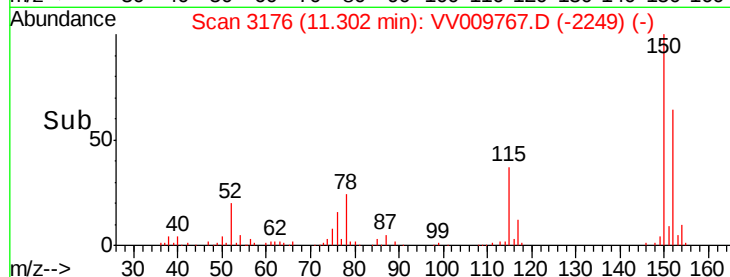
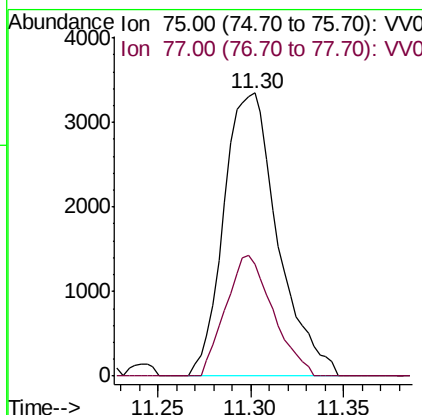
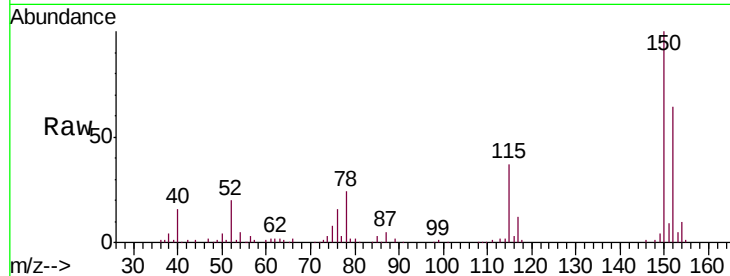




#59
 1,2,3-Trichloropropane
 Concen: 5.805 ug/L
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.98 min
 Lab File: VV009767.D
 Acq: 18 Mar 2019 18:36

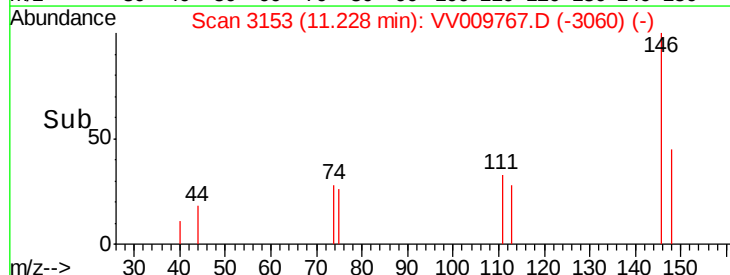
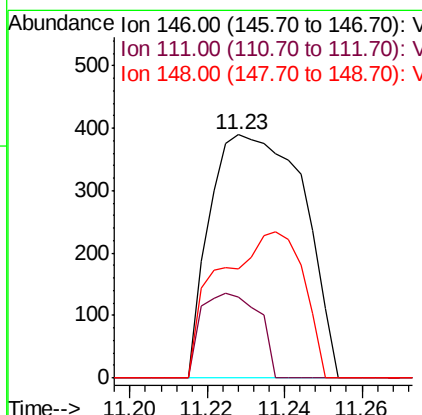
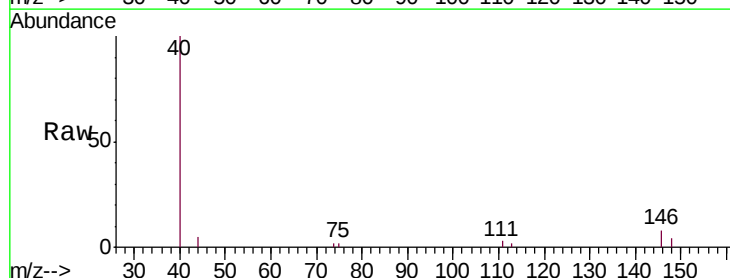
Instrument :
 MSVOA_V
 ClientSampleId :
 C09B9

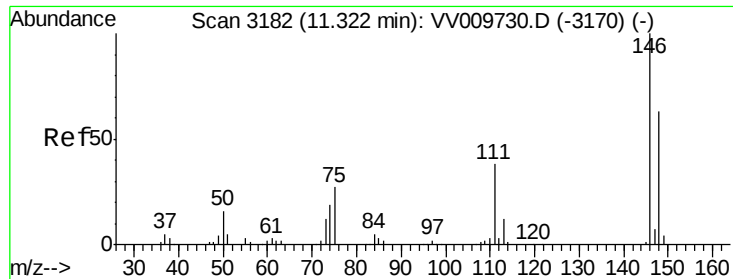
Tgt Ion: 75 Resp: 6764
 Ion Ratio Lower Upper
 75 100
 77 37.3 26.2 39.4



#62
 1,3-Dichlorobenzene
 Concen: 0.401 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009767.D
 Acq: 18 Mar 2019 18:36

Tgt Ion: 146 Resp: 655
 Ion Ratio Lower Upper
 146 100
 111 33.3 28.8 53.4
 148 44.9 44.8 83.2





#63

1,4-Dichlorobenzene

Concen: 1.607 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009767.D

Acq: 18 Mar 2019 18:36

Instrument :

MSVOA_V

ClientSampleId :

C09B9

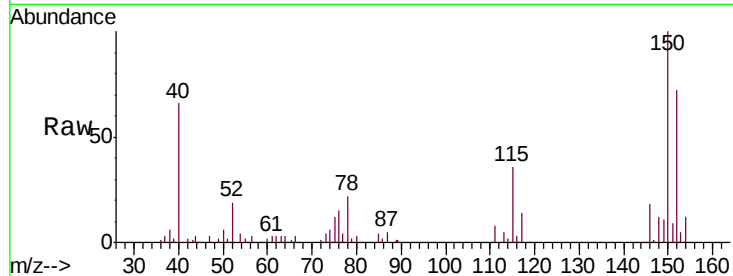
Tgt Ion:146 Resp: 2649

Ion Ratio Lower Upper

146 100

111 41.6 26.7 49.5

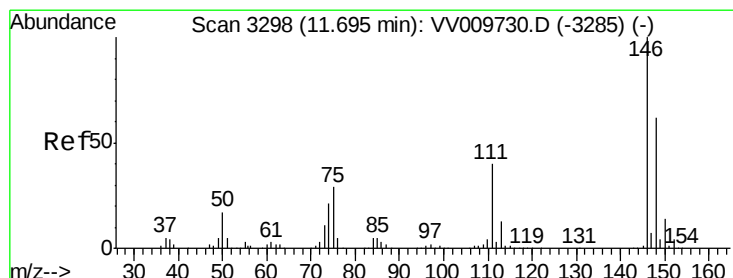
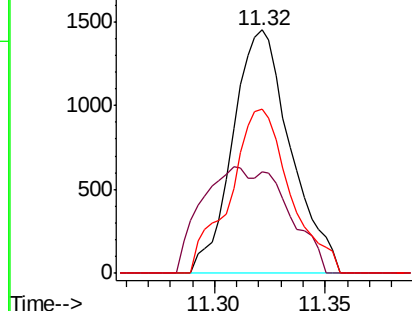
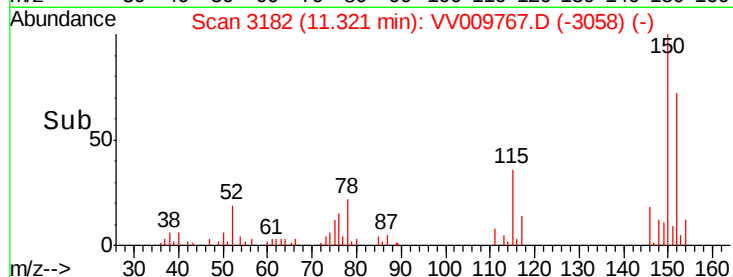
148 67.5 44.3 82.3



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: 0.850 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV009767.D

Acq: 18 Mar 2019 18:36

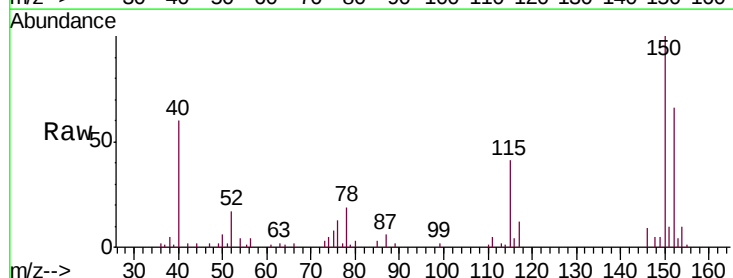
Tgt Ion:146 Resp: 1417

Ion Ratio Lower Upper

146 100

111 57.8 32.2 48.4#

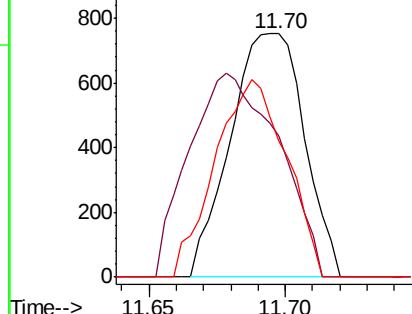
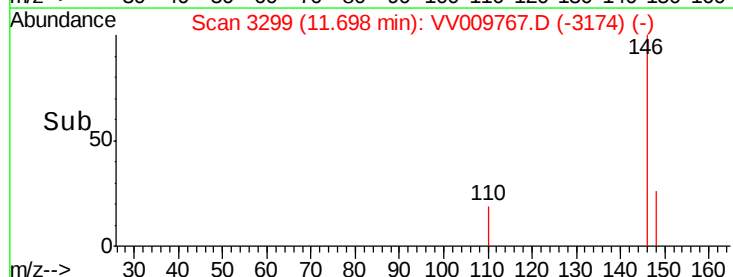
148 55.8 49.6 74.4

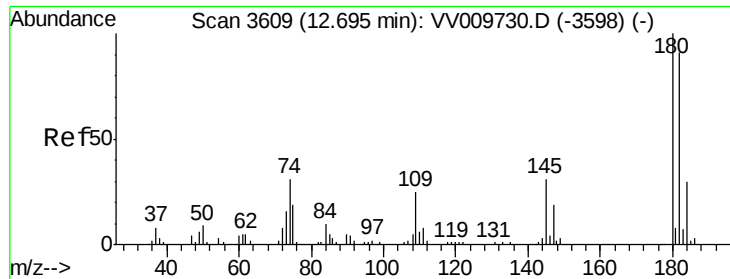


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

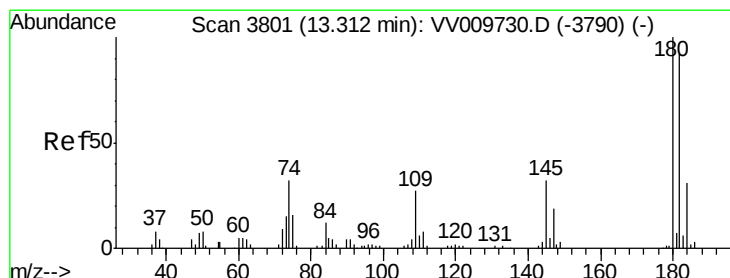
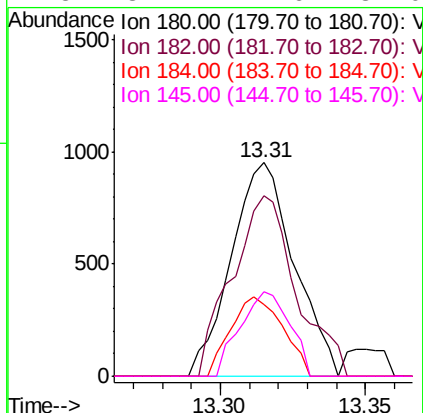
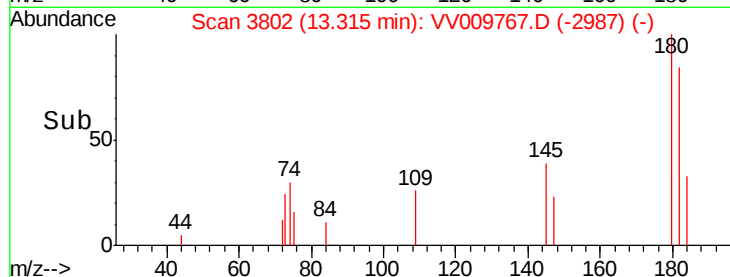
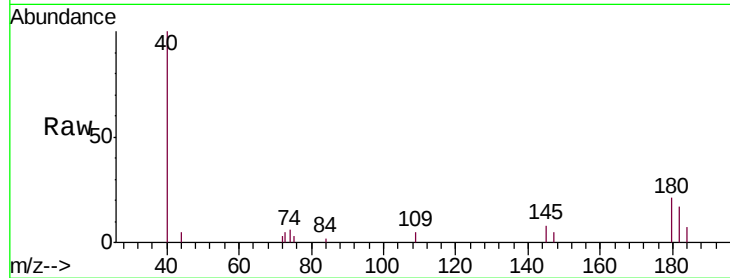




#67
 1,3,5-Trichlorobenzene
 Concen: 1.379 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.62 min
 Lab File: VV009767.D
 Acq: 18 Mar 2019 18:36

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B9

Tgt Ion:	180	Resp:	1433
Ion	Ratio	Lower	Upper
180	100		
182	86.3	73.9	110.9
184	30.8	23.4	35.2
145	31.1	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 1.968 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009767.D
 Acq: 18 Mar 2019 18:36

Tgt Ion:	180	Resp:	1433
Ion	Ratio	Lower	Upper
180	100		
182	86.3	75.7	113.5
145	31.1	25.3	37.9

