

Data File : VV009863.D
Acq On : 25 Mar 2019 16:20
Operator : SY/MD
Sample : K2070-18 400X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09F1

Quant Time: Mar 26 07:16:54 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	5.66	114	213822	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	205403	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86442	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101246	46.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.74%
7) Chloroethane-d5	1.56	69	110160	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.68%
11) 1,1-Dichloroethene-d2	2.13	63	214268	33.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.58%
21) 2-Butanone-d5	3.93	46	89177	91.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.51%
24) Chloroform-d	4.40	84	131000	43.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.30%
26) 1,2-Dichloroethane-d4	5.08	65	89620	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.32%
32) Benzene-d6	5.10	84	282448	50.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.32%
36) 1,2-Dichloropropane-d6	6.11	67	85828	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.80%
41) Toluene-d8	7.36	98	255558	46.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.62%
43) trans-1,3-Dichloropropene-	7.66	79	34421	43.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.62%
47) 2-Hexanone-d5	8.13	63	61683	87.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.49%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	114617	41.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.12%
64) 1,2-Dichlorobenzene-d4	11.67	152	90851	45.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.74%

Target Compounds

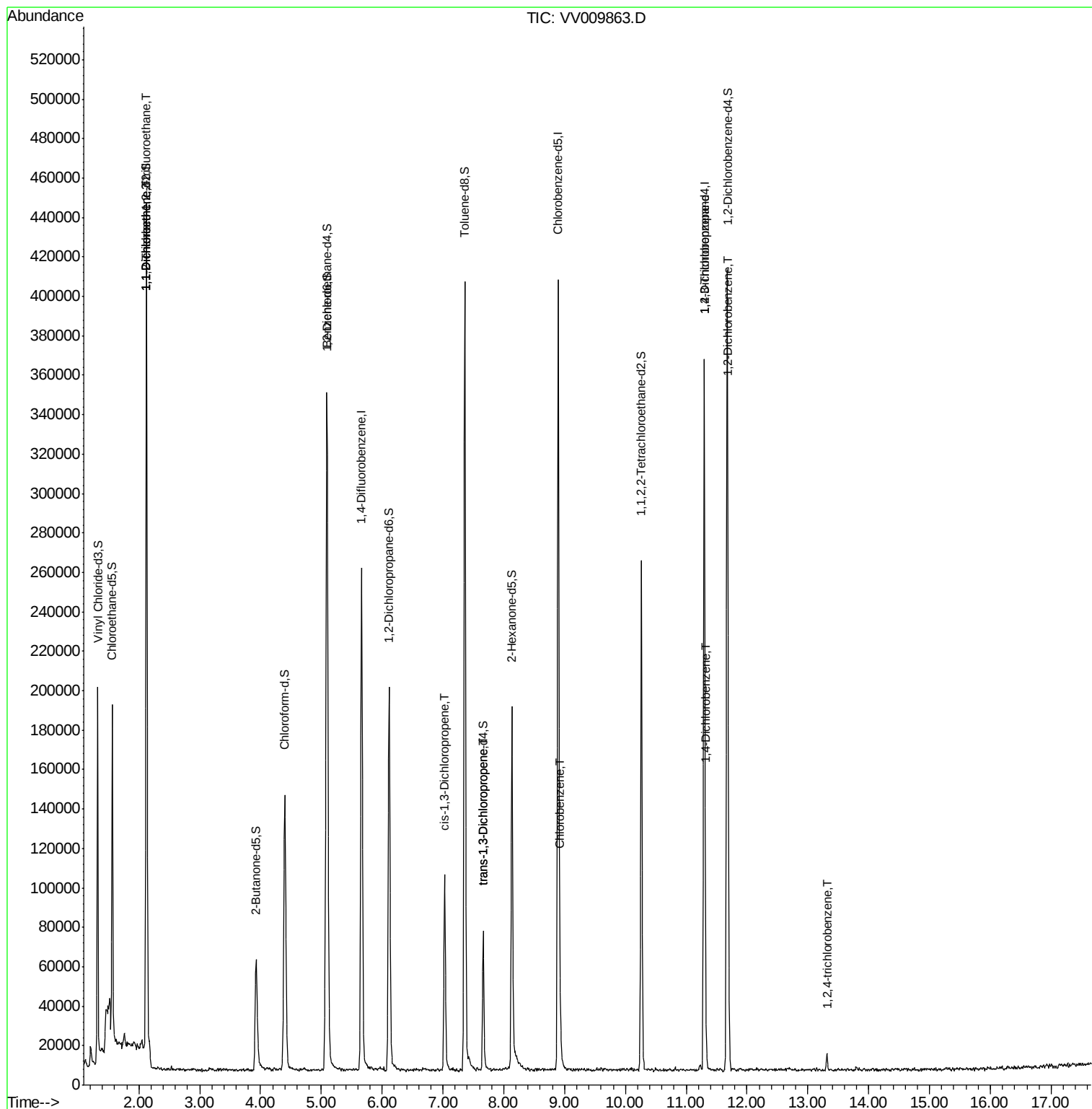
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2244	0.684 ug/L #	26
12) 1,1-Dichloroethene	2.13	96	2118	0.729 ug/L #	1
39) cis-1,3-Dichloropropene	7.02	75	2873	1.294 ug/L #	69
44) trans-1,3-Dichloropropene	7.66	75	2359	1.143 ug/L	84
51) Chlorobenzene	8.93	112	13494	2.970 ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	15284	7.343 ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	4224	1.361 ug/L #	91
65) 1,2-Dichlorobenzene	11.69	146	30196	9.653 ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	1255	0.780 ug/L #	44

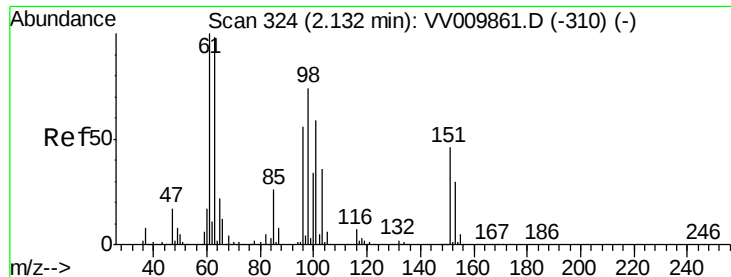
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.684 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009863.D

Acq: 25 Mar 2019 16:20

Instrument :

MSVOA_V

ClientSampleId :

C09F1

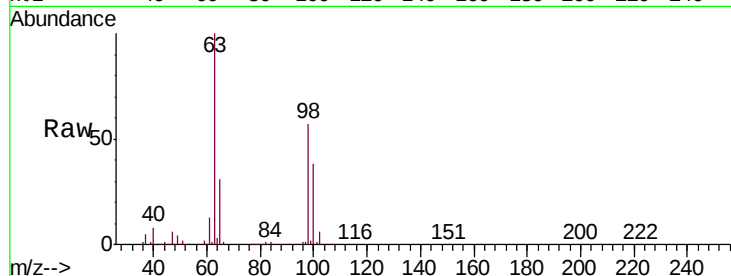
Tgt Ion: 101 Resp: 2244

Ion Ratio Lower Upper

101 100

85 2.2 37.0 55.4#

151 11.8 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): VV009861.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV009863.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV009863.D (-232) (-)

Time-->

2.08 2.10 2.12 2.14 2.16

2000

1500

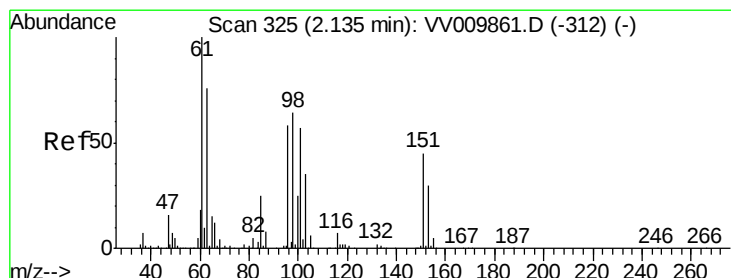
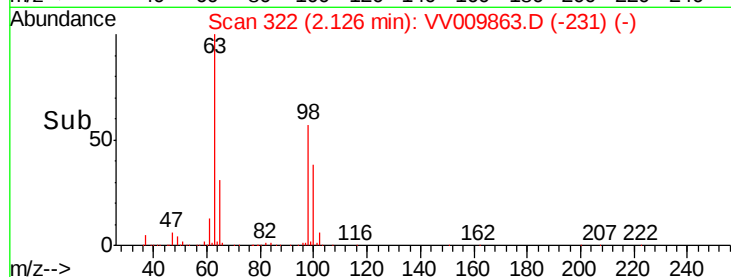
1000

500

0

2.13

2.08 2.10 2.12 2.14 2.16



#12

1,1-Dichloroethene

Concen: 0.729 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV009863.D

Acq: 25 Mar 2019 16:20

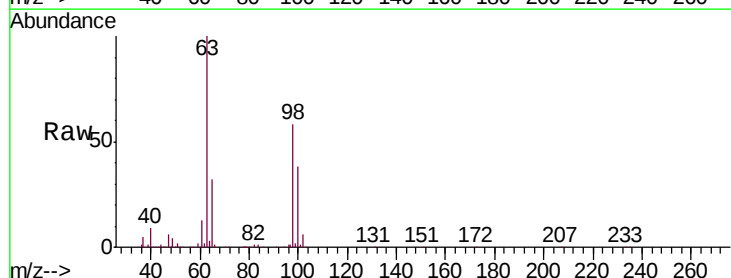
Tgt Ion: 96 Resp: 2118

Ion Ratio Lower Upper

96 100

61 1343.0 125.3 232.7#

63 10134.9 109.7 203.7#



Abundance Ion 96.00 (95.70 to 96.70): VV009861.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV009863.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV009863.D (-233) (-)

Time-->

2.08 2.10 2.12 2.14 2.16

200000

150000

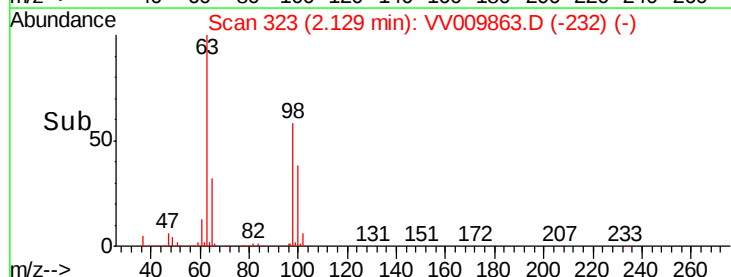
100000

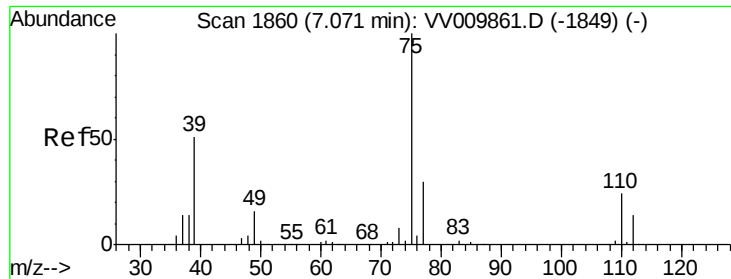
50000

0

2.13

2.08 2.10 2.12 2.14 2.16

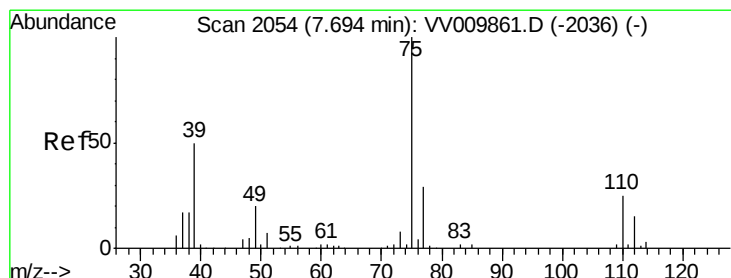
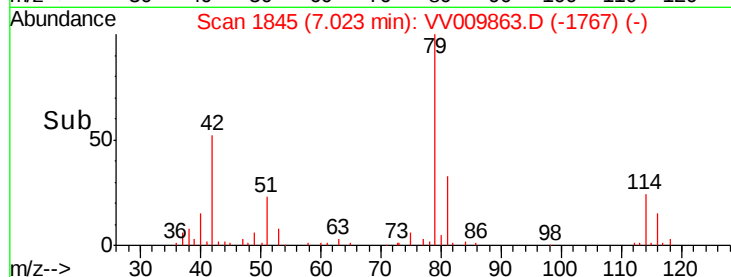
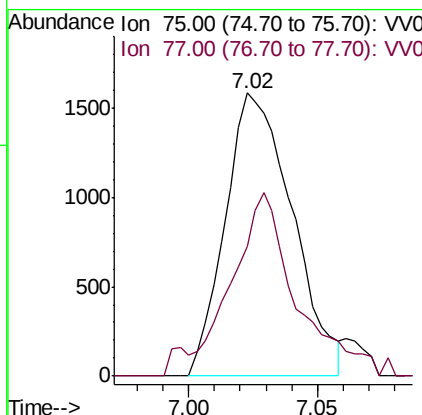
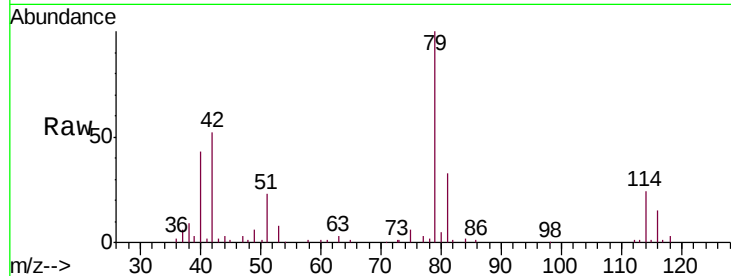




#39
 cis-1,3-Dichloropropene
 Concen: 1.294 ug/L
 RT: 7.02 min Scan# 1845
 Delta R.T. -0.05 min
 Lab File: VV009863.D
 Acq: 25 Mar 2019 16:20

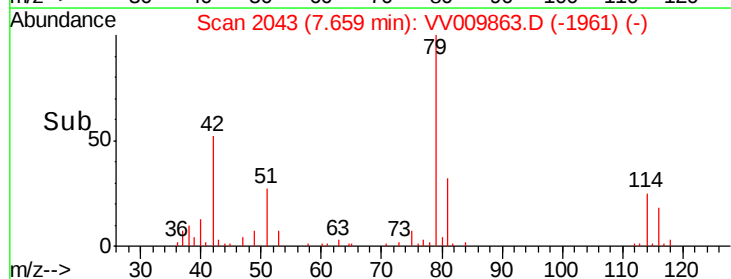
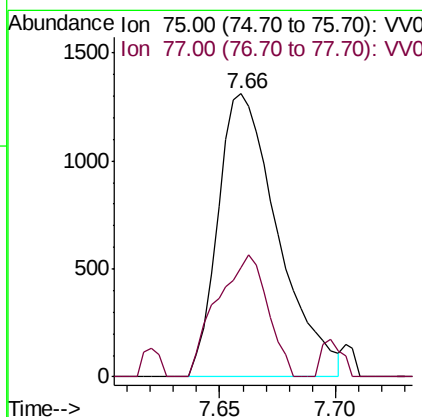
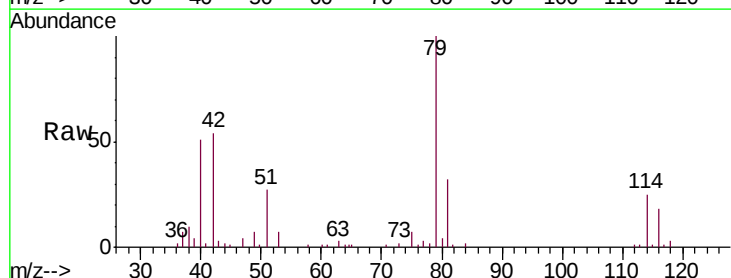
Instrument :
 MSVOA_V
 ClientSampleId :
 C09F1

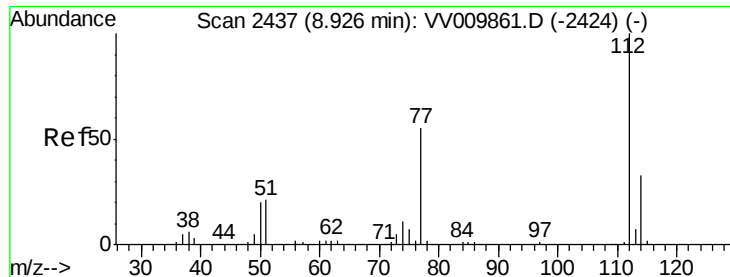
Tgt Ion: 75 Resp: 2873
 Ion Ratio Lower Upper
 75 100
 77 45.8 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 1.143 ug/L
 RT: 7.66 min Scan# 2043
 Delta R.T. -0.04 min
 Lab File: VV009863.D
 Acq: 25 Mar 2019 16:20

Tgt Ion: 75 Resp: 2359
 Ion Ratio Lower Upper
 75 100
 77 38.4 20.7 38.5

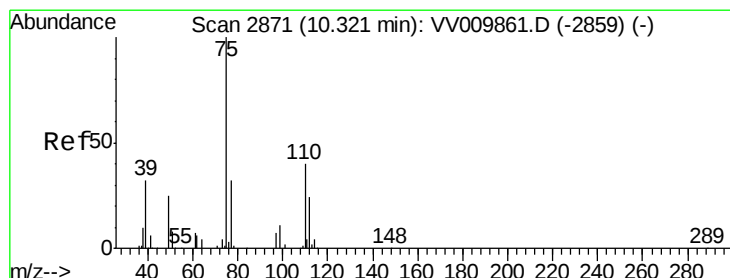
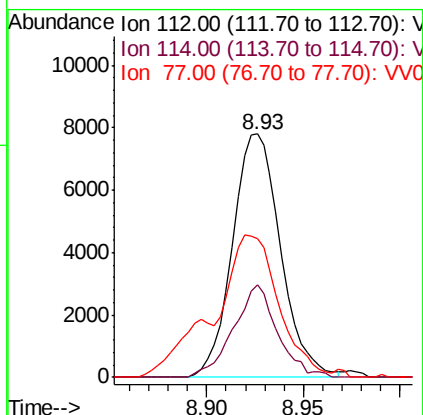
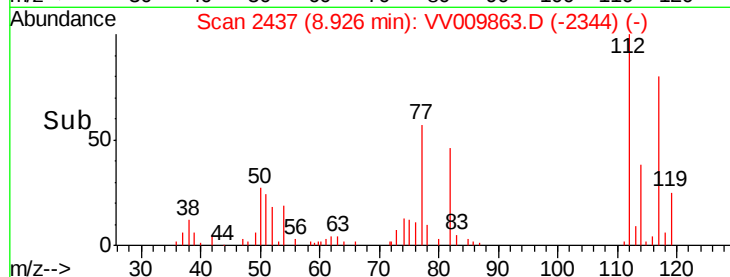
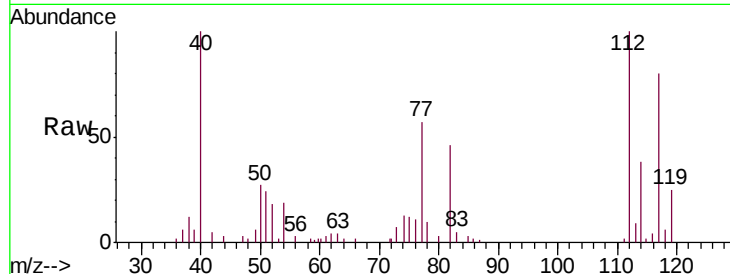




#51
Chlorobenzene
Concen: 2.970 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009863.D
Acq: 25 Mar 2019 16:20

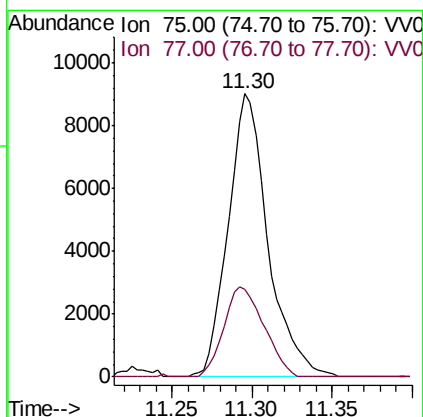
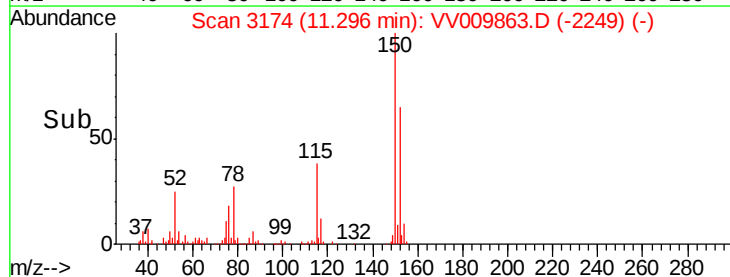
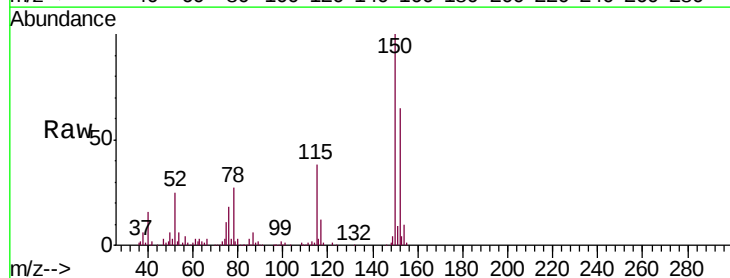
Instrument :
MSVOA_V
ClientSampleId :
C09F1

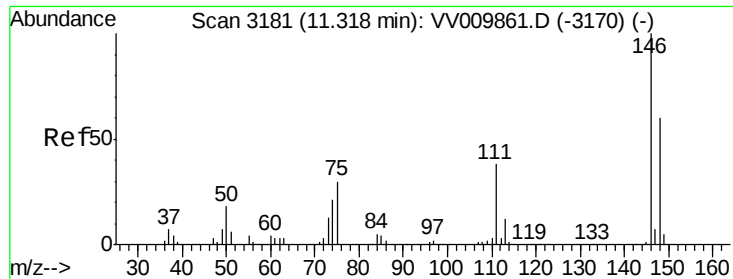
Tgt Ion: 112 Resp: 13494
Ion Ratio Lower Upper
112 100
114 37.8 23.3 43.3
77 56.9 45.8 68.6



#59
1,2,3-Trichloropropane
Concen: 7.343 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.97 min
Lab File: VV009863.D
Acq: 25 Mar 2019 16:20

Tgt Ion: 75 Resp: 15284
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0





#63

1,4-Dichlorobenzene

Concen: 1.361 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009863.D

Acq: 25 Mar 2019 16:20

Instrument :

MSVOA_V

ClientSampleId :

C09F1

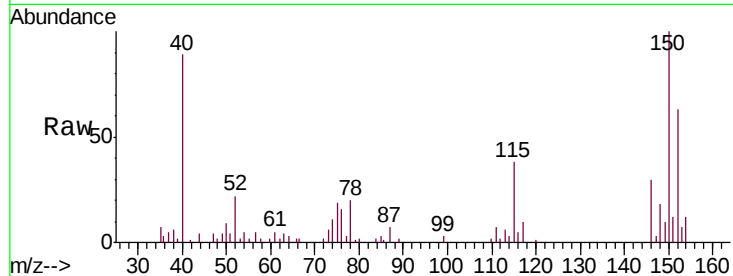
Tgt Ion:146 Resp: 4224

Ion Ratio Lower Upper

146 100

111 24.4 26.5 49.3#

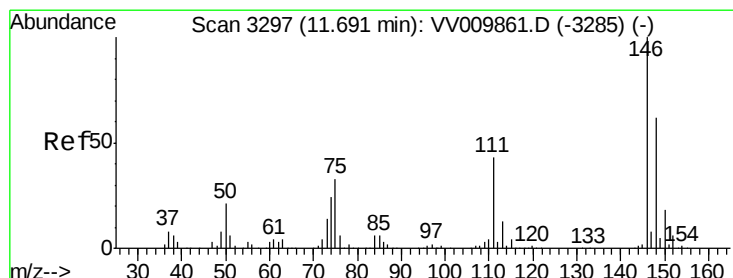
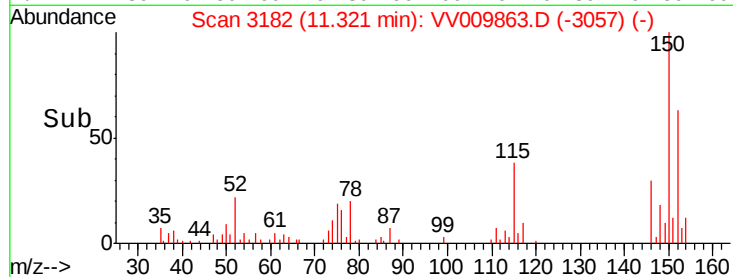
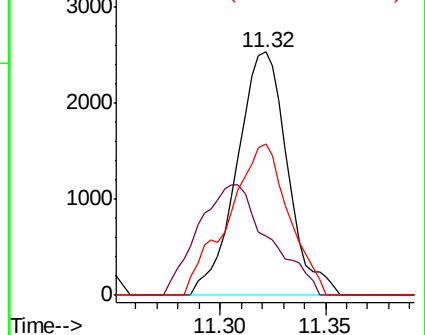
148 62.4 43.2 80.2



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: 9.653 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009863.D

Acq: 25 Mar 2019 16:20

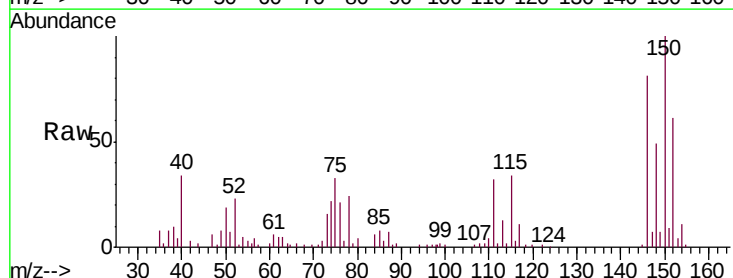
Tgt Ion:146 Resp: 30196

Ion Ratio Lower Upper

146 100

111 39.9 33.0 49.6

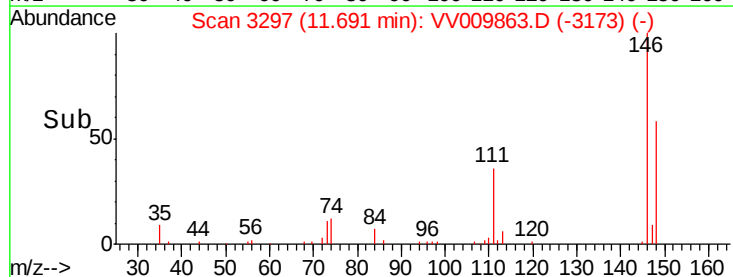
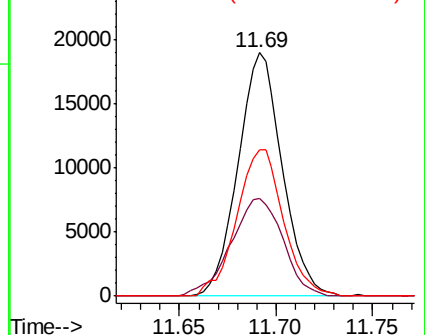
148 60.1 53.2 79.8

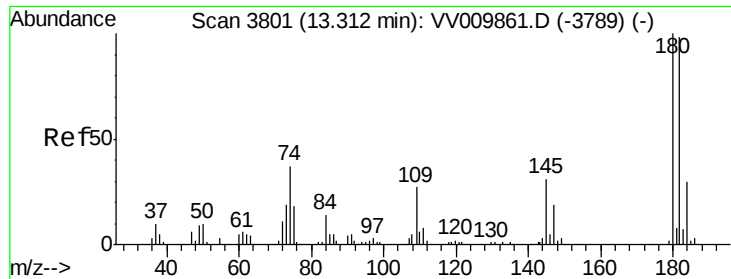


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68
 1,2,4-trichlorobenzene
 Concen: 0.780 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV009863.D
 Acq: 25 Mar 2019 16:20

Instrument :
 MSVOA_V
 ClientSampleId :
 C09F1

Tgt Ion:180 Resp: 1255
 Ion Ratio Lower Upper
 180 100
 182 155.8 77.1 115.7#
 145 52.4 24.3 36.5#

