

Data File : VV009873.D
Acq On : 25 Mar 2019 20:21
Operator : SY/MD
Sample : K2070-15 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09E1

Quant Time: Mar 26 07:19:18 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	165872	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175483	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75590	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80627	47.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.22%
7) Chloroethane-d5	1.56	69	91961	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.50%
11) 1,1-Dichloroethene-d2	2.13	63	176676	35.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.78%
21) 2-Butanone-d5	3.93	46	74849	99.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.01%
24) Chloroform-d	4.40	84	109402	46.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.90%
26) 1,2-Dichloroethane-d4	5.08	65	78358	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
32) Benzene-d6	5.10	84	232391	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
36) 1,2-Dichloropropane-d6	6.12	67	67946	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.48%
41) Toluene-d8	7.36	98	216054	46.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.64%
43) trans-1,3-Dichloropropene-	7.66	79	28369	42.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.54%
47) 2-Hexanone-d5	8.14	63	55870	92.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	99177	41.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.18%
64) 1,2-Dichlorobenzene-d4	11.67	152	83279	47.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.12%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1534	0.602	ug/L #	21
12) 1,1-Dichloroethene	2.12	96	1891	0.839	ug/L #	1
13) Acetone	2.19	43	555	0.617	ug/L	57
33) Benzene	5.15	78	39476	7.705	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	1599	0.907	ug/L #	76
51) Chlorobenzene	8.93	112	862009	222.095	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	41443	16.005	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	204926	75.485	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	261894	95.740	ug/L	96
67) 1,3,5-Trichlorobenzene	13.31	180	82569	46.739	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	82569	58.662	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	20103	14.118	ug/L	100

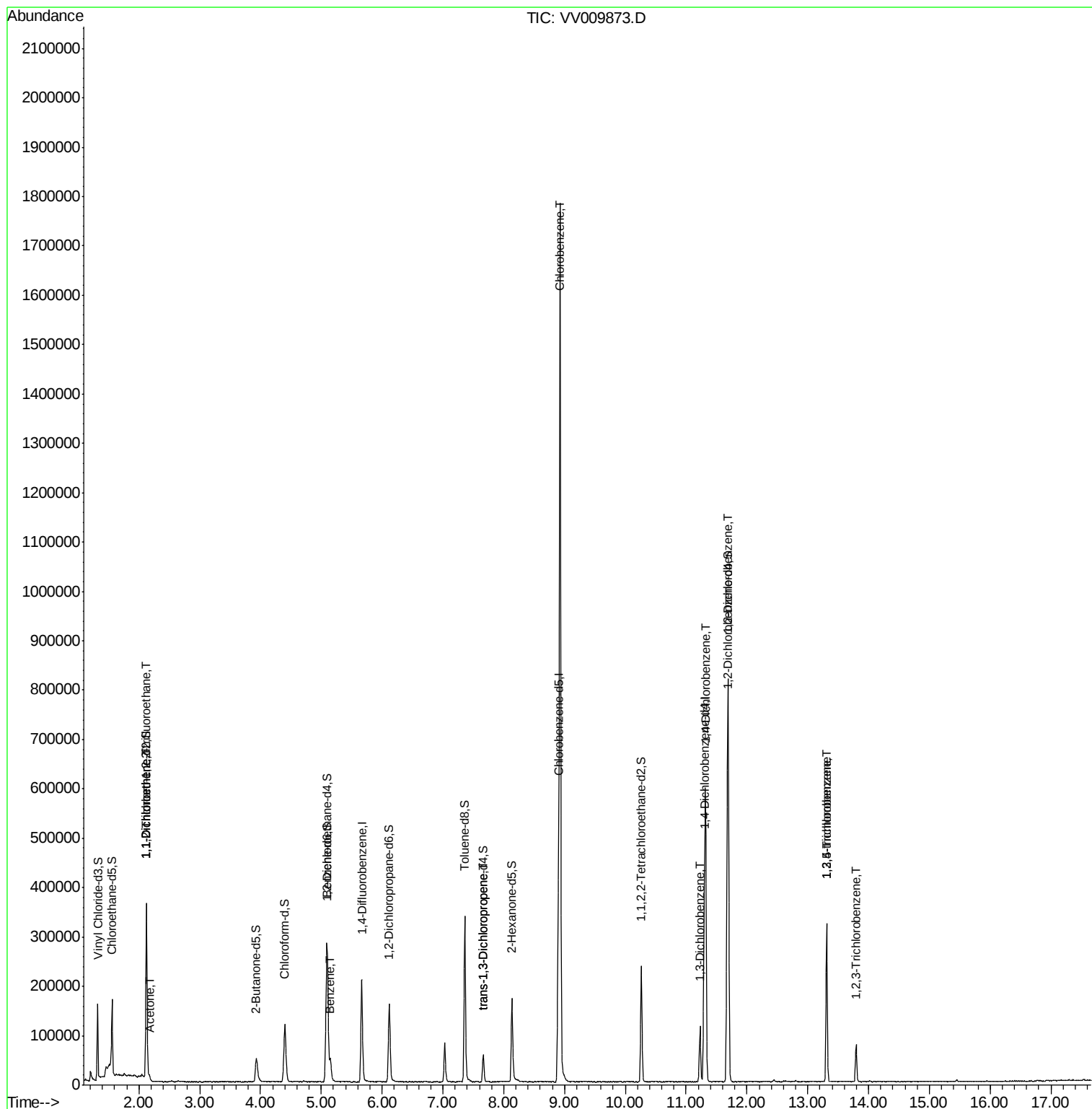
(#) = qualifier out of range (m) = manual integration (+) = signals summed

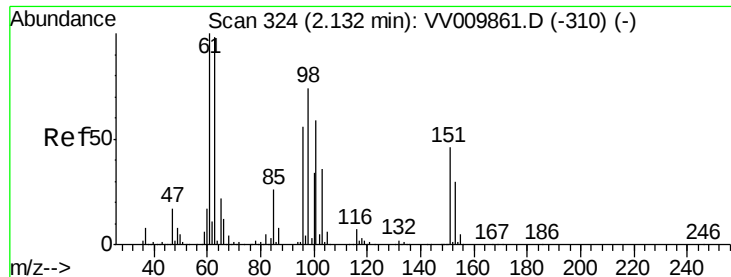
Data File : VV009873.D

```
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QLast Update : Tue Mar 26 07:13:38 2019
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#10

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

Concen: 0.602 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009873.D

Acq: 25 Mar 2019 20:21

Instrument :

MSVOA_V

ClientSampled :

C09E1

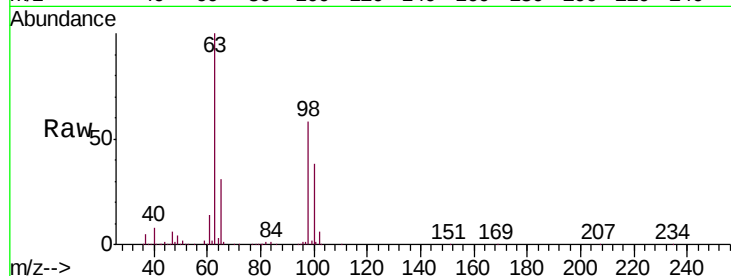
Tgt Ion: 101 Resp: 1534

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.4#

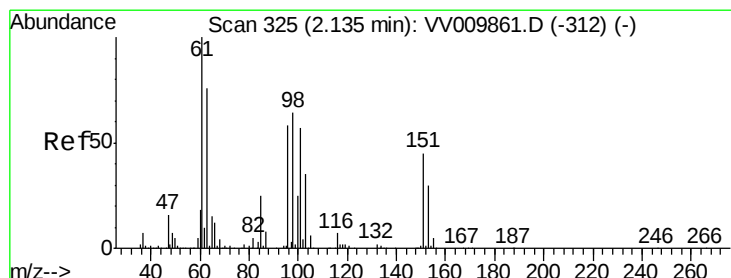
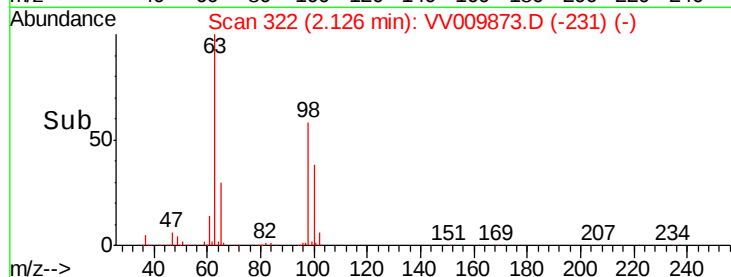
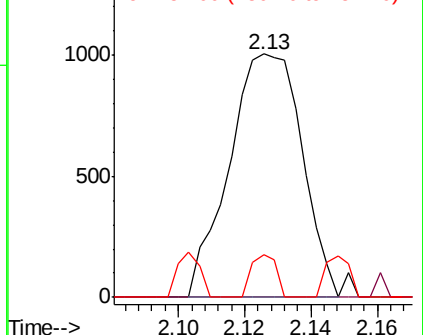
151 5.9 65.4 98.2#



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: 0.839 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009873.D

Acq: 25 Mar 2019 20:21

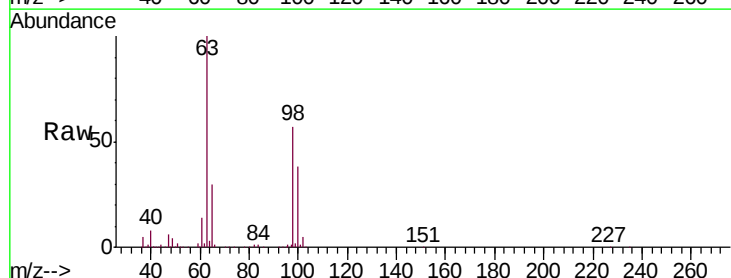
Tgt Ion: 96 Resp: 1891

Ion Ratio Lower Upper

96 100

61 1566.9 125.3 232.7#

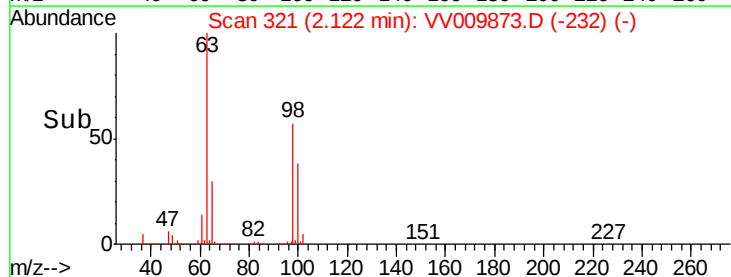
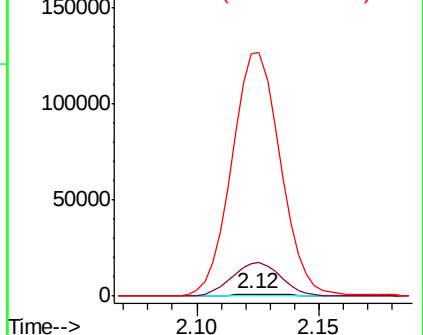
63 11603.7 109.7 203.7#

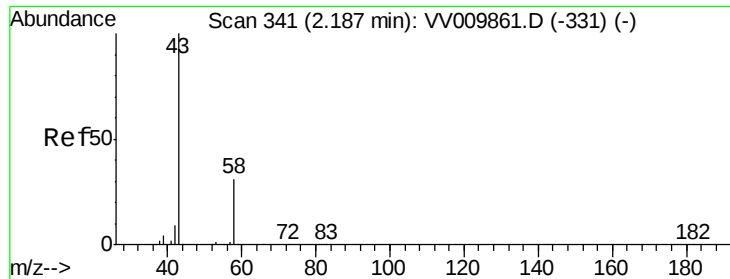


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 0.617 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV009873.D

Acq: 25 Mar 2019 20:21

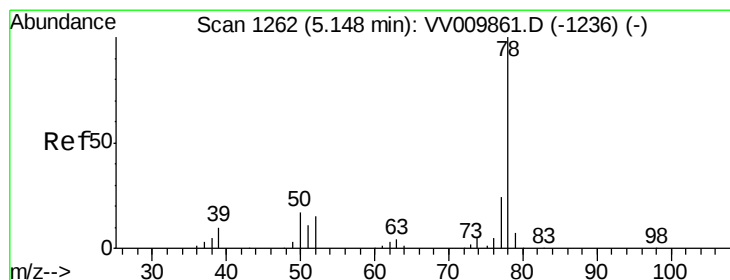
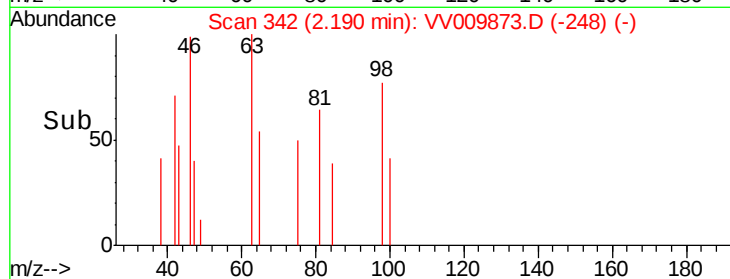
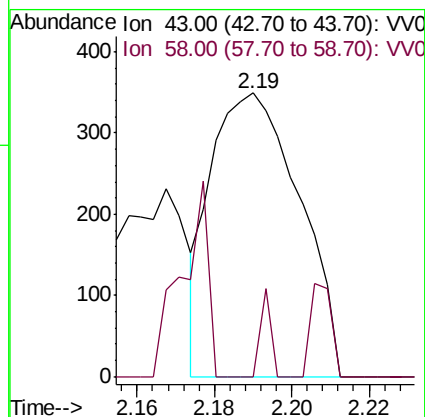
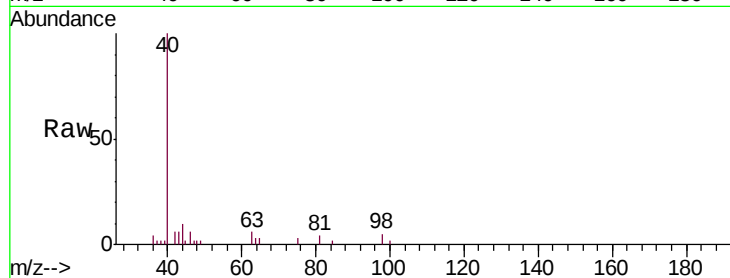
Instrument :
MSVOA_V
ClientSampled :
C09E1

Tgt Ion: 43 Resp: 555

Ion Ratio Lower Upper

43 100

58 8.5 0.0 65.2



#33

Benzene

Concen: 7.705 ug/L

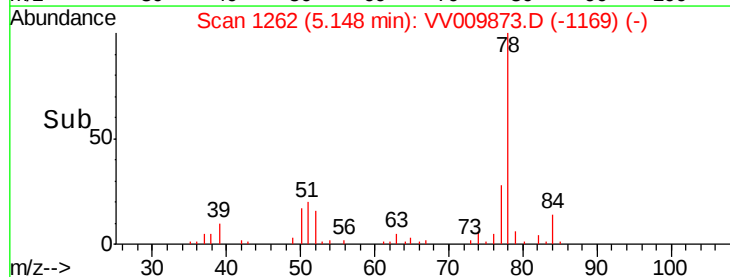
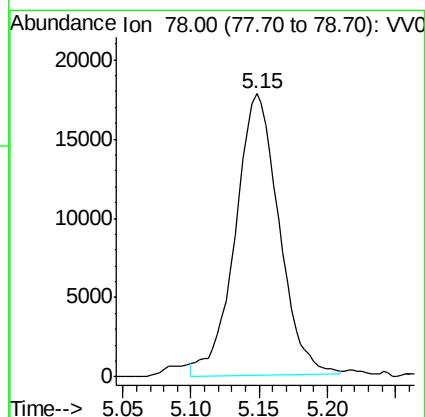
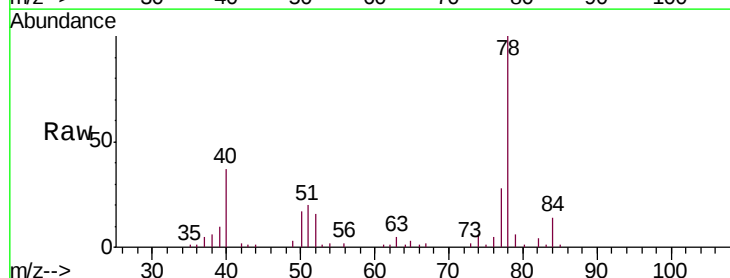
RT: 5.15 min Scan# 1262

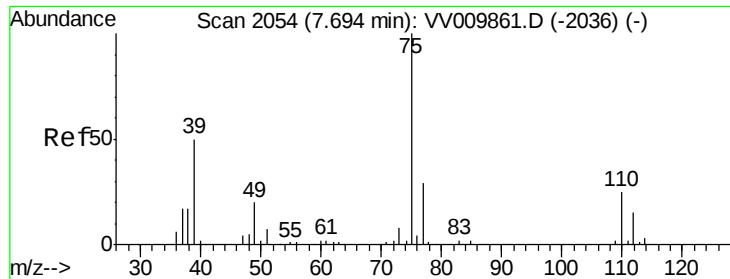
Delta R.T. 0.00 min

Lab File: VV009873.D

Acq: 25 Mar 2019 20:21

Tgt Ion: 78 Resp: 39476





#44

trans-1,3-Dichloropropene

Concen: 0.907 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009873.D

Acq: 25 Mar 2019 20:21

Instrument :

MSVOA_V

ClientSampleId :

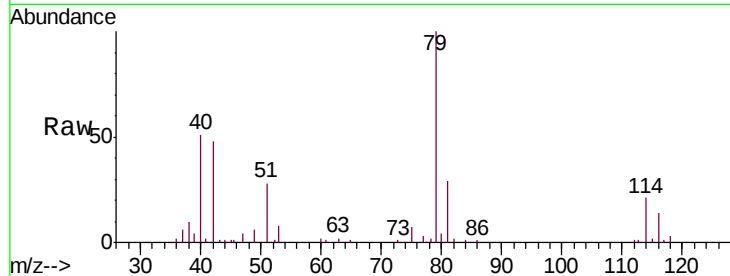
C09E1

Tgt Ion: 75 Resp: 1599

Ion Ratio Lower Upper

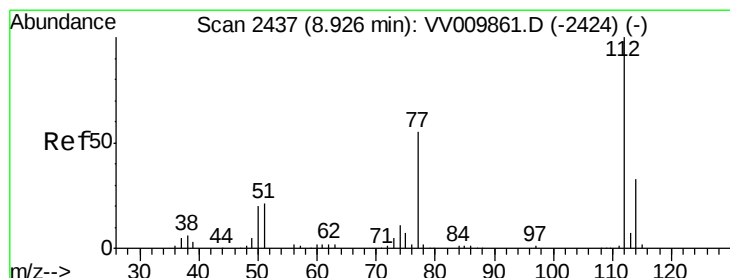
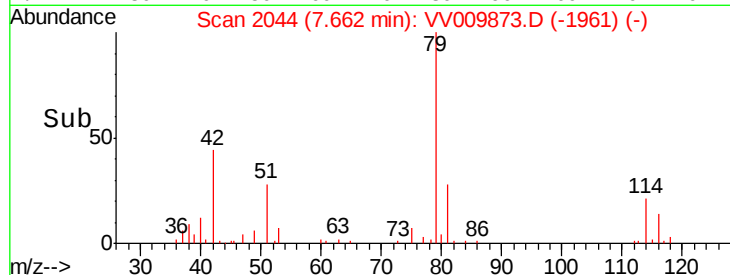
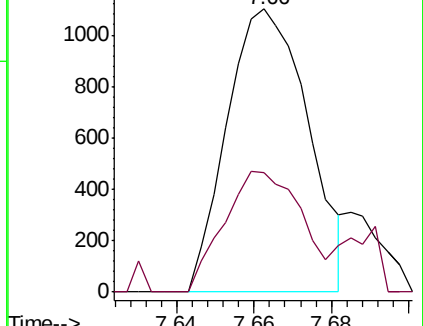
75 100

77 42.4 20.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV009861.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009861.D (-2036) (-)



#51

Chlorobenzene

Concen: 222.095 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009873.D

Acq: 25 Mar 2019 20:21

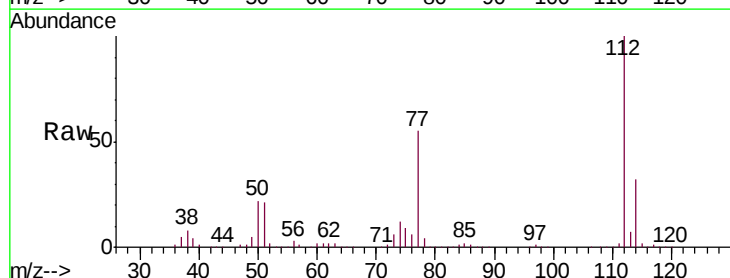
Tgt Ion: 112 Resp: 862009

Ion Ratio Lower Upper

112 100

114 31.9 23.3 43.3

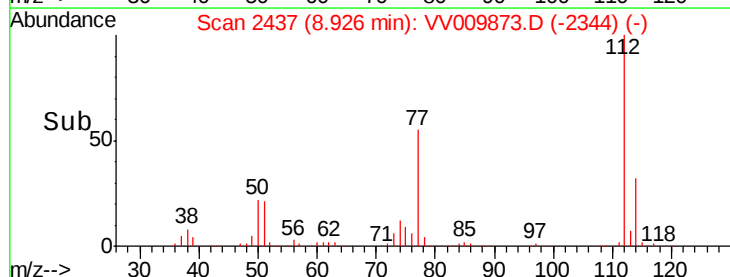
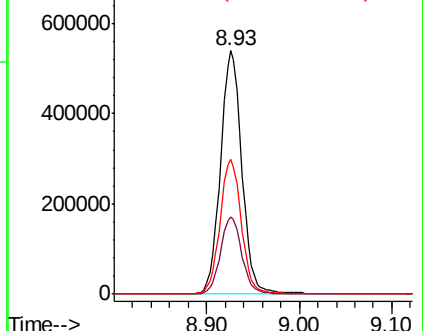
77 55.4 45.8 68.6

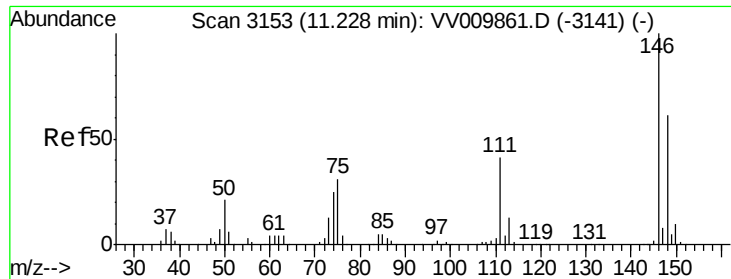


Abundance Ion 112.00 (111.70 to 112.70): VV009861.D (-2424) (-)

Ion 114.00 (113.70 to 114.70): VV009861.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV009861.D (-2424) (-)





#62

1,3-Dichlorobenzene

Concen: 16.005 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009873.D

Acq: 25 Mar 2019 20:21

Instrument :

MSVOA_V

ClientSampled :

C09E1

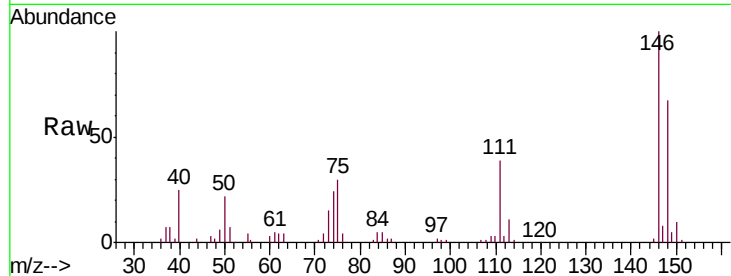
Tgt Ion:146 Resp: 41443

Ion Ratio Lower Upper

146 100

111 38.9 27.5 51.1

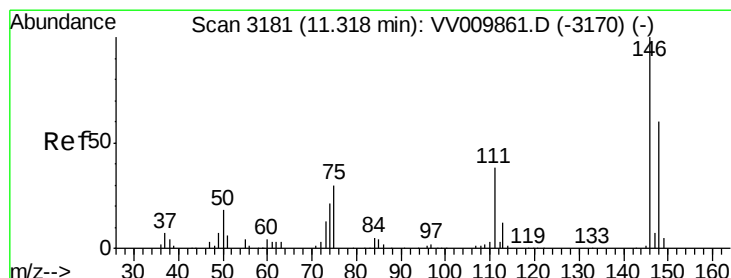
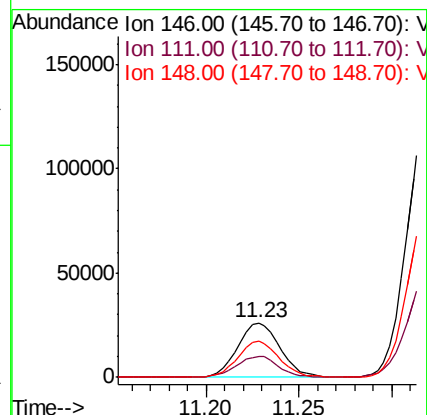
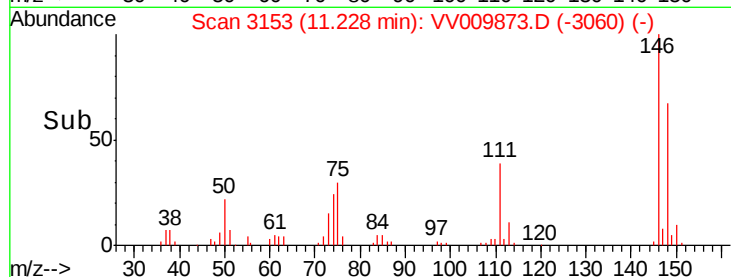
148 66.6 43.0 80.0



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



#63

1,4-Dichlorobenzene

Concen: 75.485 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009873.D

Acq: 25 Mar 2019 20:21

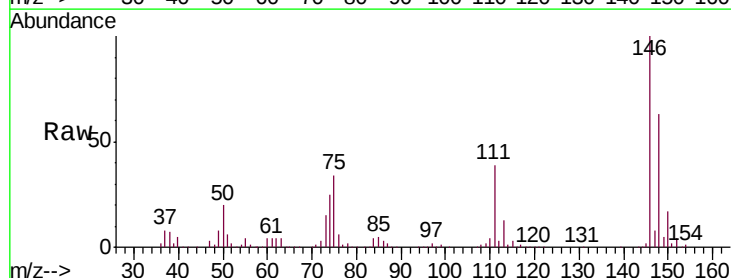
Tgt Ion:146 Resp: 204926

Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.3

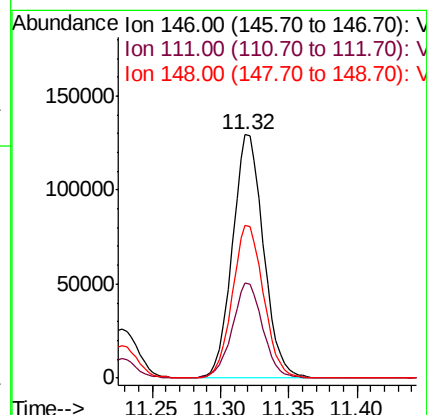
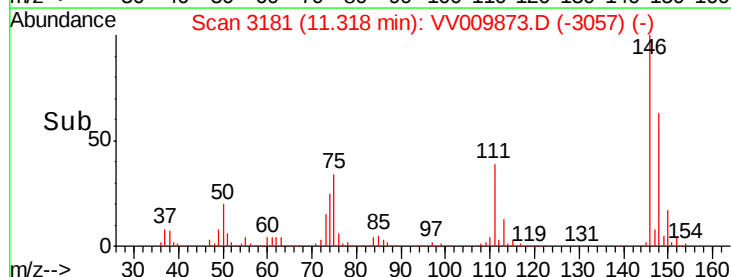
148 63.0 43.2 80.2

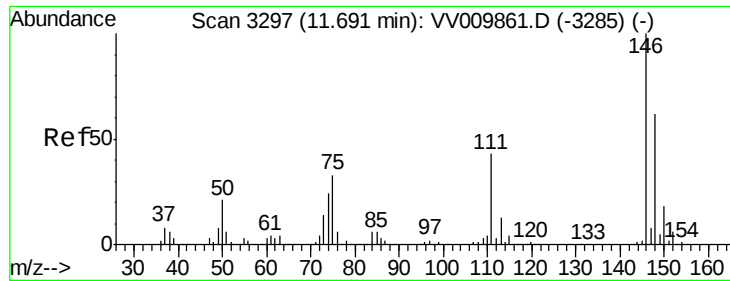


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 95.740 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009873.D

Acq: 25 Mar 2019 20:21

Instrument :

MSVOA_V

ClientSampled :

C09E1

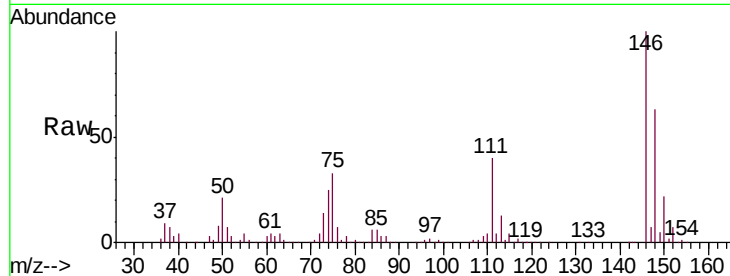
Tgt Ion:146 Resp: 261894

Ion Ratio Lower Upper

146 100

111 39.8 33.0 49.6

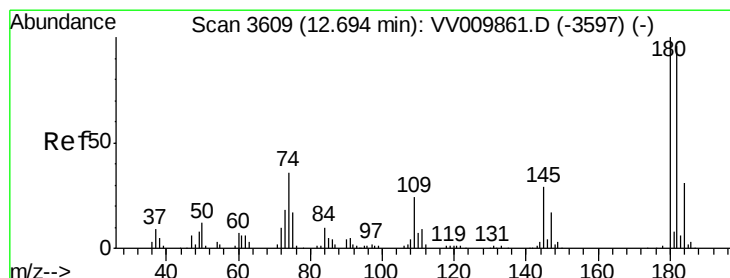
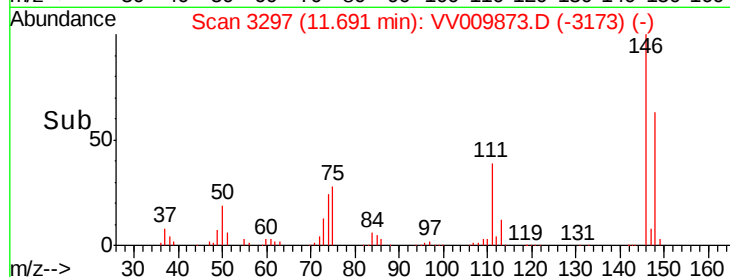
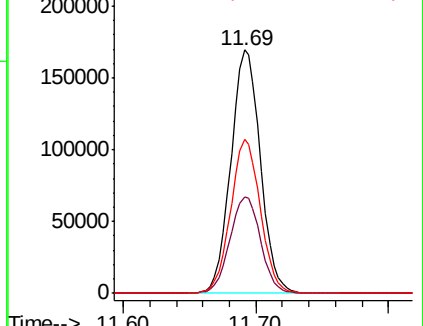
148 63.2 53.2 79.8



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



#67

1,3,5-Trichlorobenzene

Concen: 46.739 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.62 min

Lab File: VV009873.D

Acq: 25 Mar 2019 20:21

Tgt Ion:180 Resp: 82569

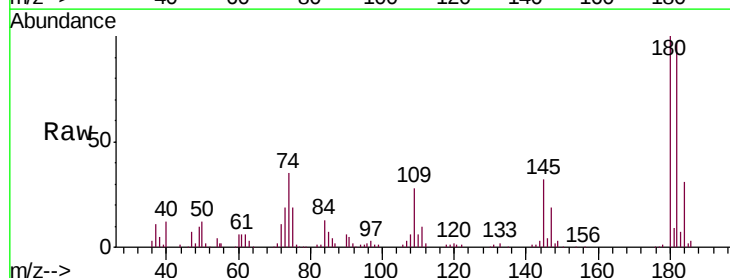
Ion Ratio Lower Upper

180 100

182 96.0 75.0 112.6

184 31.0 24.1 36.1

145 30.4 24.2 36.4

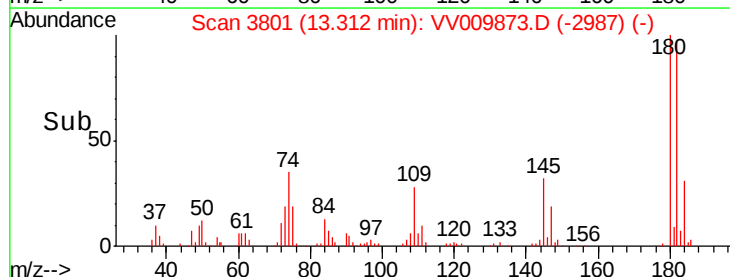
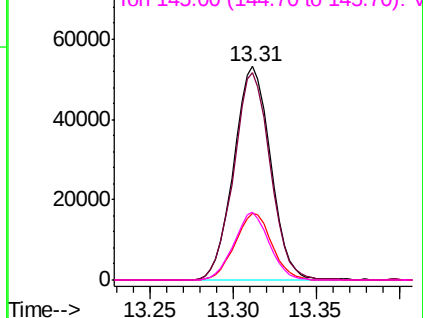


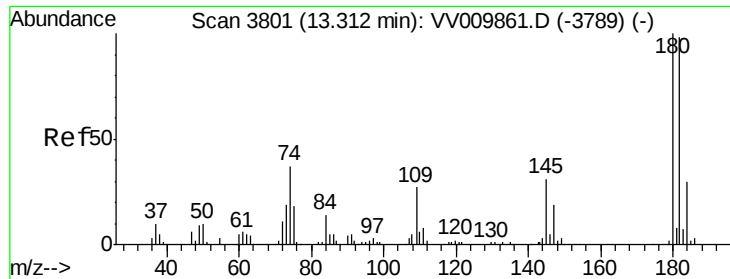
Abundance Ion 180.00 (179.70 to 180.70): V

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

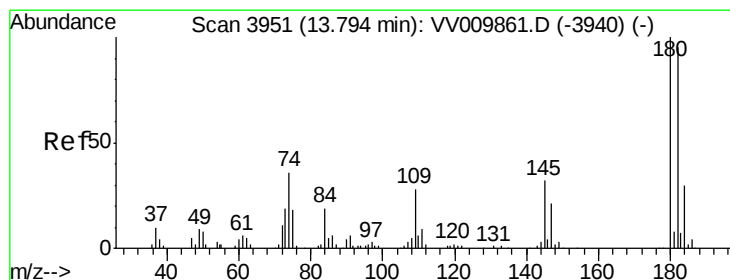
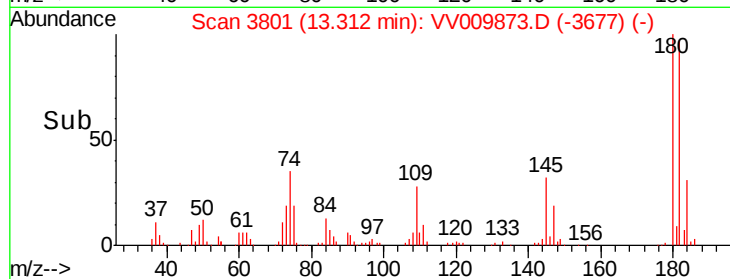
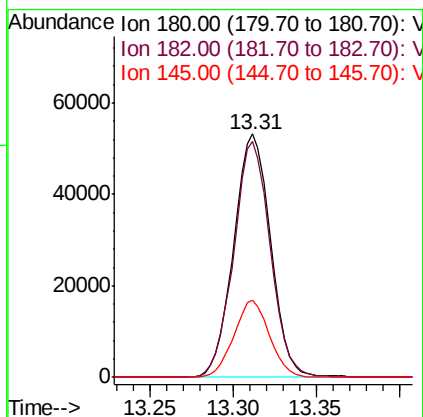
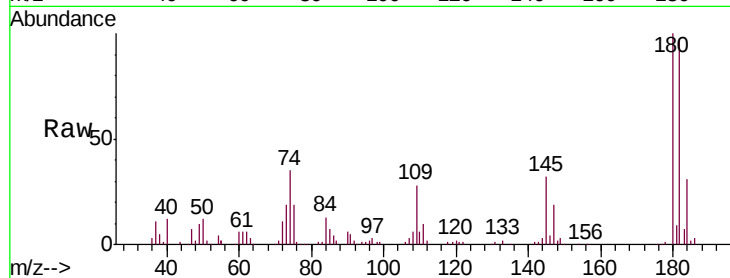




#68
 1,2,4-trichlorobenzene
 Concen: 58.662 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009873.D
 Acq: 25 Mar 2019 20:21

Instrument :
 MSVOA_V
 ClientSampleId :
 C09E1

Tgt Ion:180 Resp: 82569
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.1 115.7
 145 30.4 24.3 36.5



#70
 1,2,3-Trichlorobenzene
 Concen: 14.118 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009873.D
 Acq: 25 Mar 2019 20:21

Tgt Ion:180 Resp: 20103
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.6 113.4
 145 30.9 24.8 37.2

