

Data File : VV009872.D
Acq On : 25 Mar 2019 19:57
Operator : SY/MD
Sample : K2070-14 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09E0

Quant Time: Mar 26 07:19:04 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	166210	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	163871	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	70786	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80861	47.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.30%
7) Chloroethane-d5	1.56	69	94881	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.38%
11) 1,1-Dichloroethene-d2	2.13	63	176321	35.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.48%
21) 2-Butanone-d5	3.93	46	77374	102.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.15%
24) Chloroform-d	4.40	84	111719	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	5.08	65	76710	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
32) Benzene-d6	5.10	84	234058	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.24%
36) 1,2-Dichloropropane-d6	6.12	67	70981	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.46%
41) Toluene-d8	7.36	98	211945	48.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.32%
43) trans-1,3-Dichloropropene-	7.66	79	27202	43.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.80%
47) 2-Hexanone-d5	8.14	63	54932	97.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.67%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101297	45.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.98%
64) 1,2-Dichlorobenzene-d4	11.67	152	82177	50.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.22%

Target Compounds

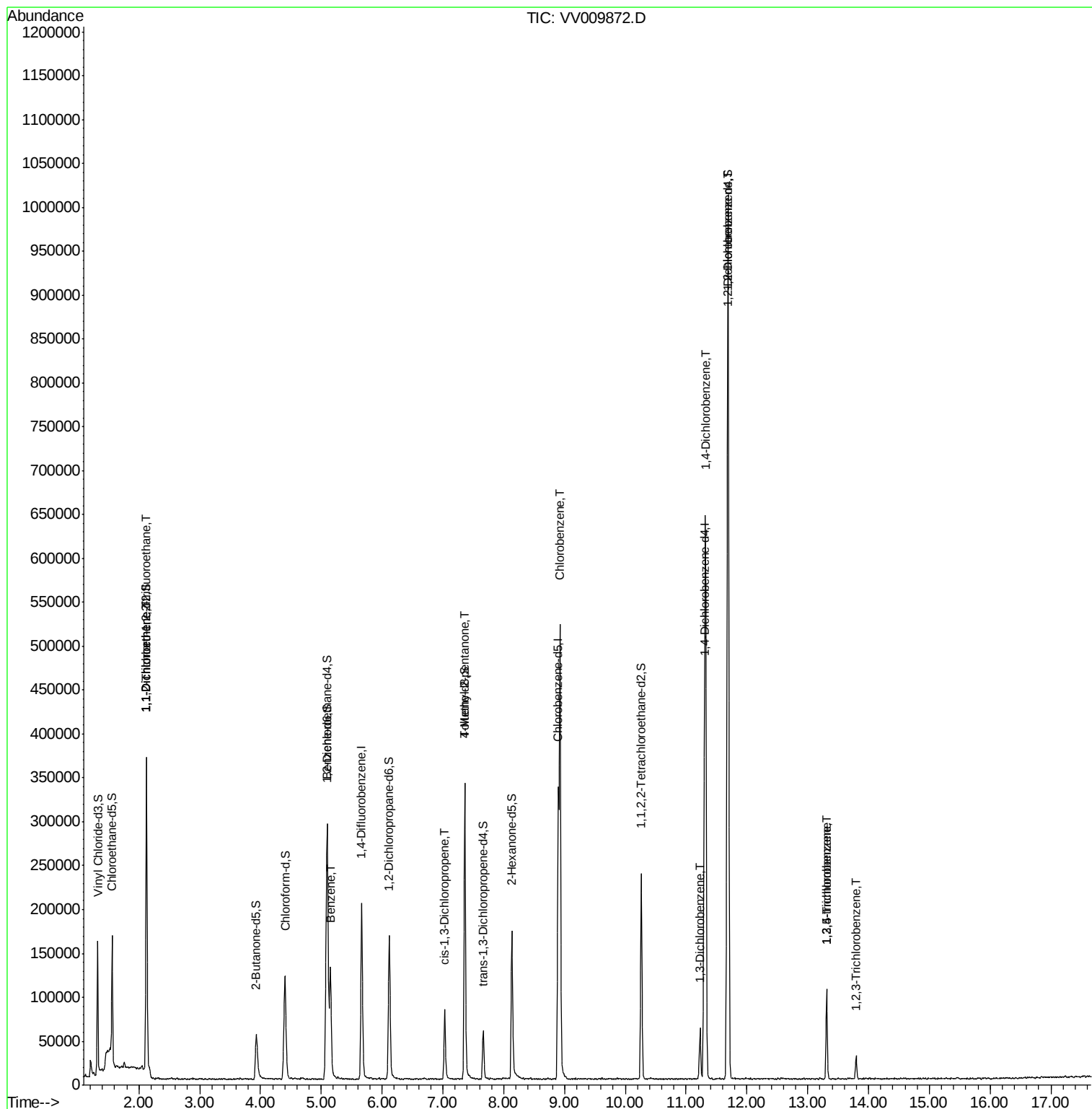
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2112	0.828	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1423	0.630	ug/L #	1
33) Benzene	5.15	78	117998	24.665	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	2637	1.488	ug/L	91
40) 4-Methyl-2-pentanone	7.36	43	1071	0.636	ug/L #	1
51) Chlorobenzene	8.93	112	250903	69.225	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	20916	8.626	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	224066	88.137	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	325489	127.063	ug/L	98
67) 1,3,5-Trichlorobenzene	13.31	180	27424	16.577	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	27424	20.806	ug/L	92
70) 1,2,3-Trichlorobenzene	13.79	180	7061	5.295	ug/L	96

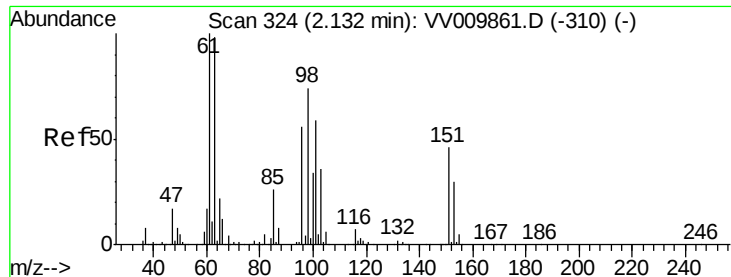
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.828 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

C09E0

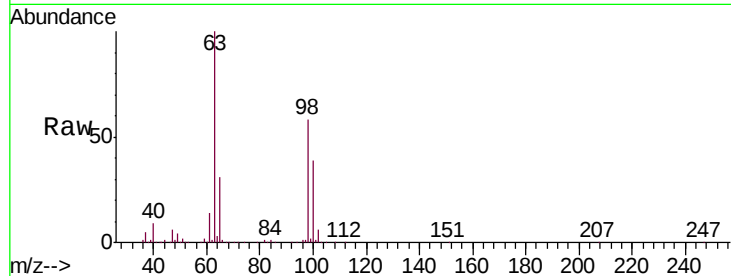
Tgt Ion: 101 Resp: 2112

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.4#

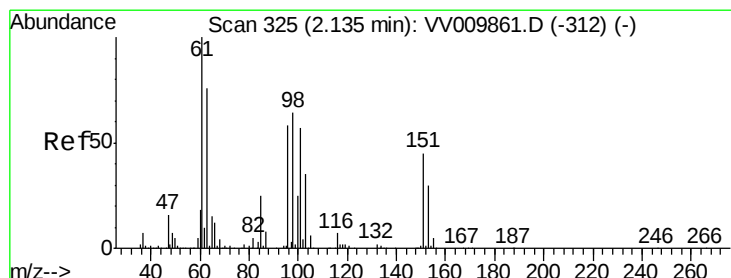
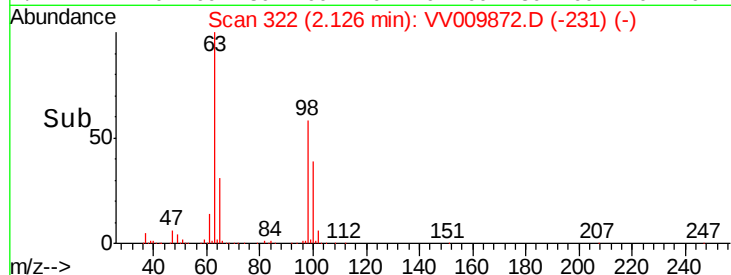
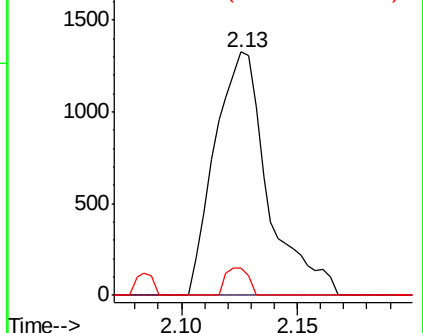
151 4.9 65.4 98.2#



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: 0.630 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

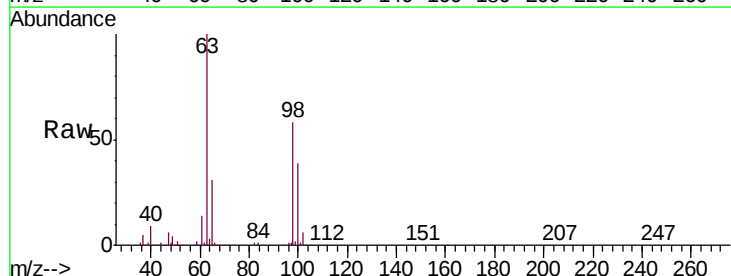
Tgt Ion: 96 Resp: 1423

Ion Ratio Lower Upper

96 100

61 1369.8 125.3 232.7#

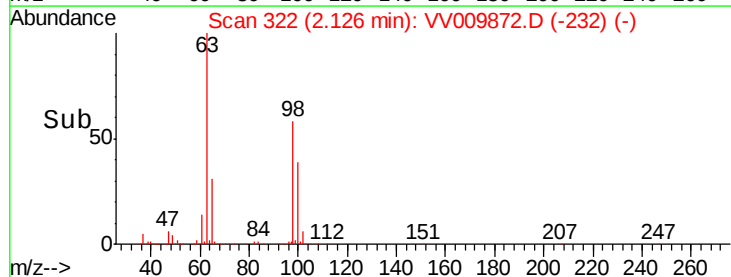
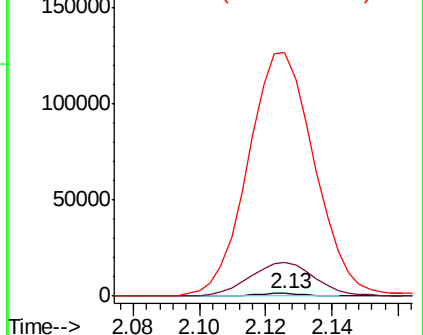
63 9720.0 109.7 203.7#

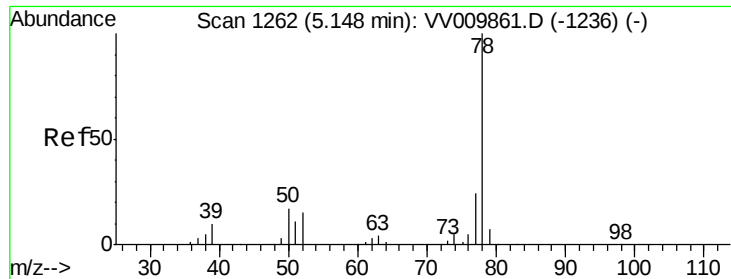


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#33

Benzene

Concen: 24.665 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

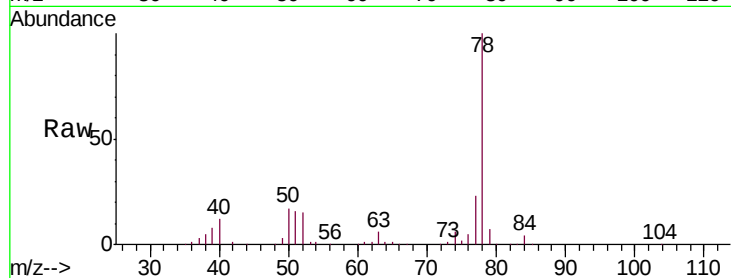
Instrument :

MSVOA_V

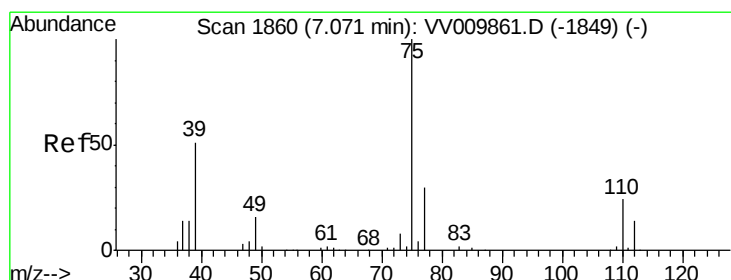
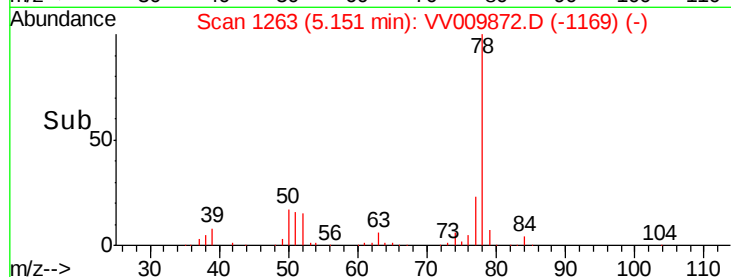
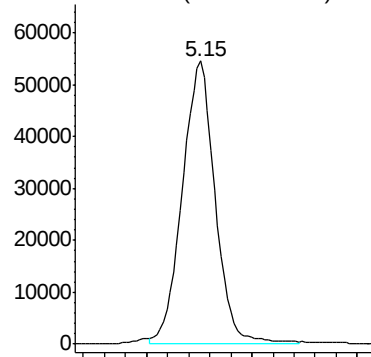
ClientSampled :

C09E0

Tgt Ion: 78 Resp: 117998



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.488 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009872.D

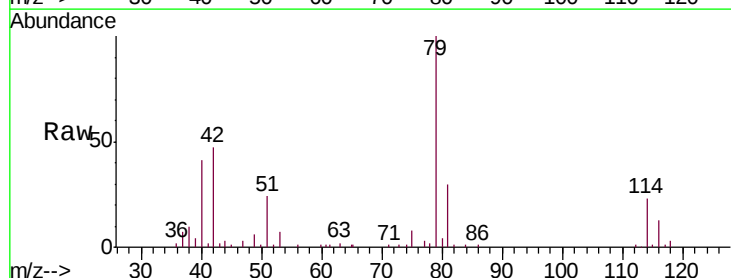
Acq: 25 Mar 2019 19:57

Tgt Ion: 75 Resp: 2637

Ion Ratio Lower Upper

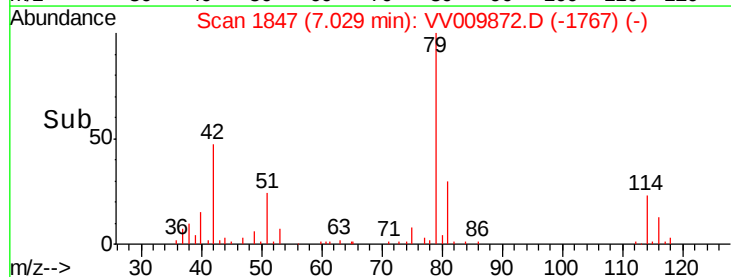
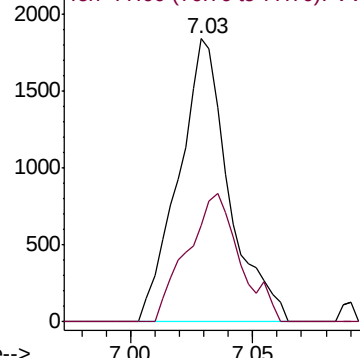
75 100

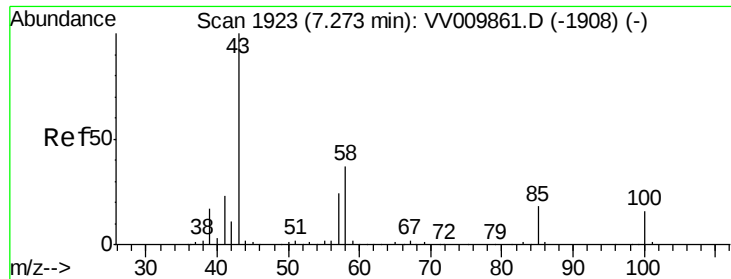
77 34.2 20.5 38.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

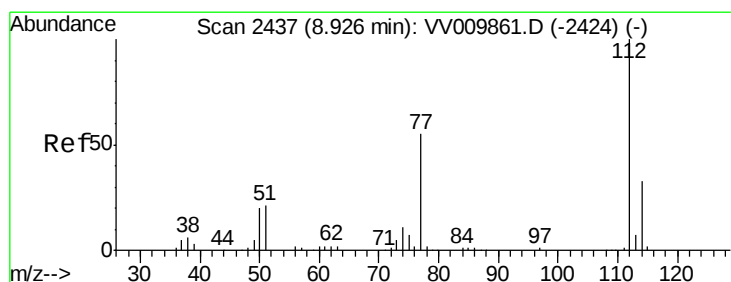
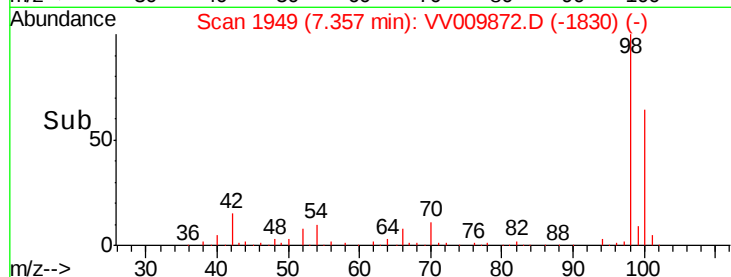
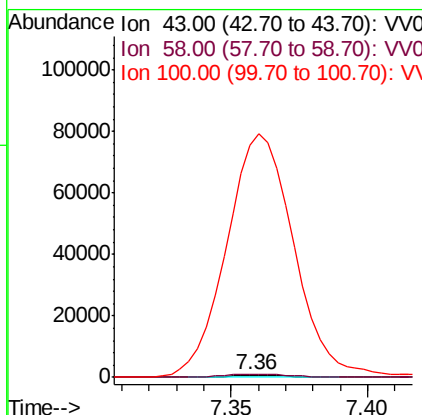
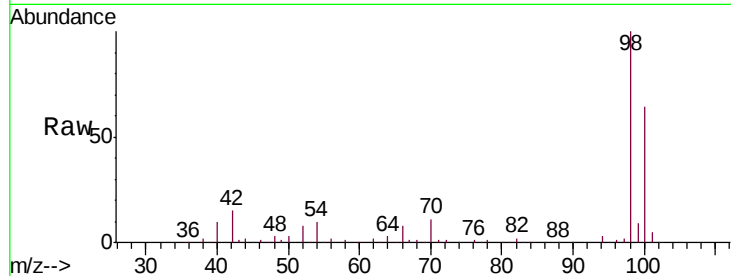




#40
 4-Methyl-2-pentanone
 Concen: 0.636 ug/L
 RT: 7.36 min Scan# 1949
 Delta R.T. 0.08 min
 Lab File: VV009872.D
 Acq: 25 Mar 2019 19:57

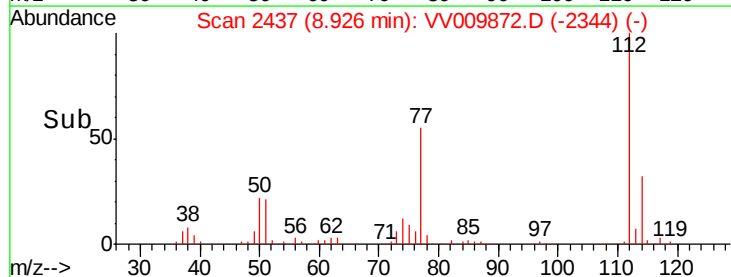
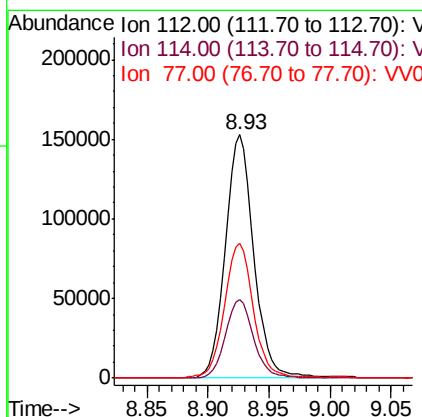
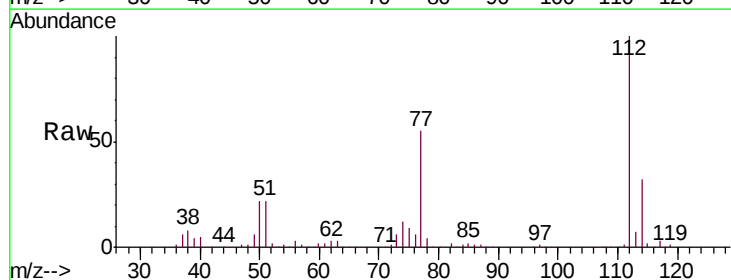
Instrument :
 MSVOA_V
 ClientSampled :
 C09E0

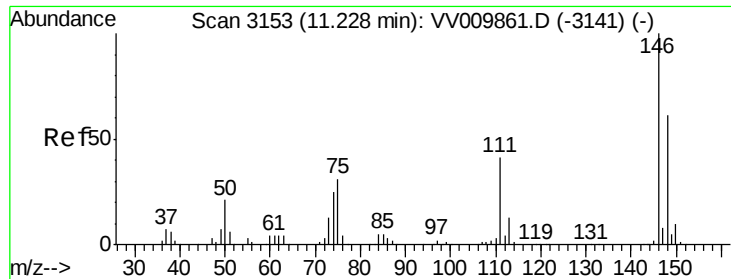
Tgt Ion: 43 Resp: 1071
 Ion Ratio Lower Upper
 43 100
 58 180.4 29.8 44.8#
 100 12721.7 12.2 18.4#



#51
 Chlorobenzene
 Concen: 69.225 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV009872.D
 Acq: 25 Mar 2019 19:57

Tgt Ion: 112 Resp: 250903
 Ion Ratio Lower Upper
 112 100
 114 32.5 23.3 43.3
 77 55.4 45.8 68.6

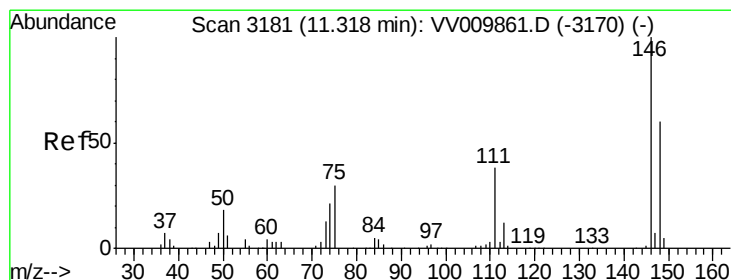
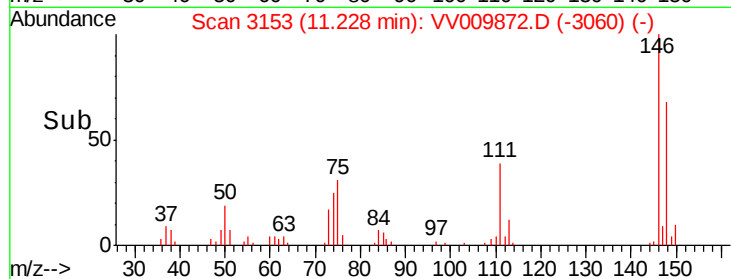
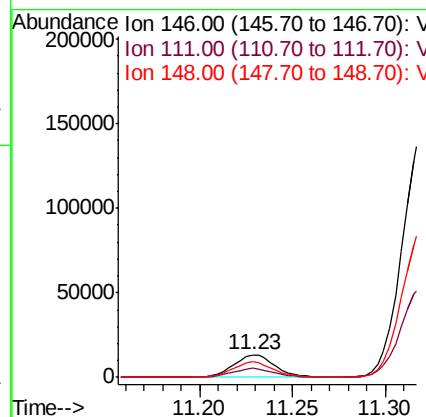
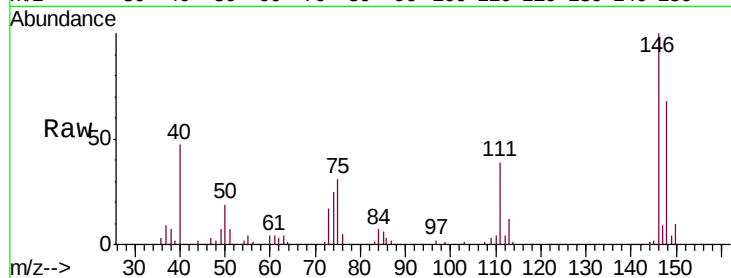




#62
 1,3-Dichlorobenzene
 Concen: 8.626 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009872.D
 Acq: 25 Mar 2019 19:57

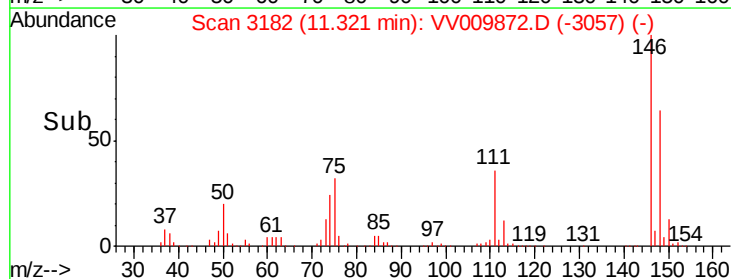
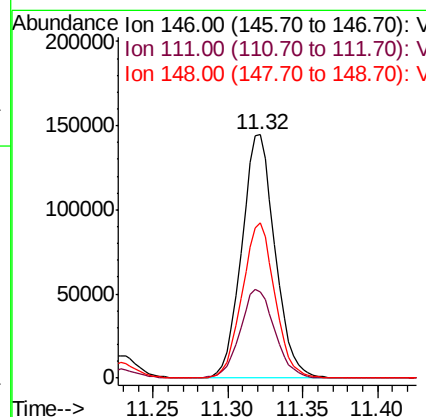
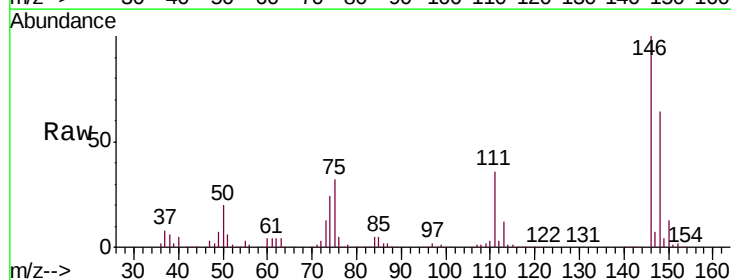
Instrument :
 MSVOA_V
 ClientSampleId :
 C09E0

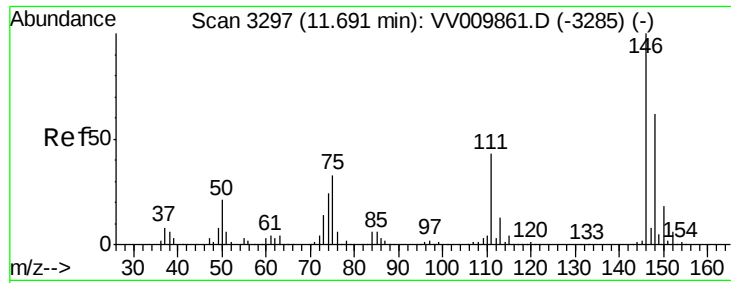
Tgt Ion:146 Resp: 20916
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.5 51.1
 148 68.4 43.0 80.0



#63
 1,4-Dichlorobenzene
 Concen: 88.137 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009872.D
 Acq: 25 Mar 2019 19:57

Tgt Ion:146 Resp: 224066
 Ion Ratio Lower Upper
 146 100
 111 35.7 26.5 49.3
 148 63.6 43.2 80.2





#65

1,2-Dichlorobenzene

Concen: 127.063 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_V

ClientSampled :

C09E0

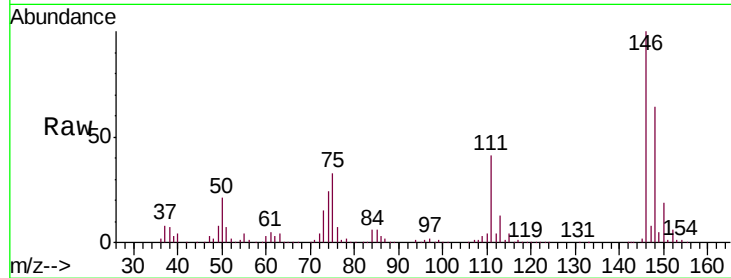
Tgt Ion:146 Resp: 325489

Ion Ratio Lower Upper

146 100

111 41.3 33.0 49.6

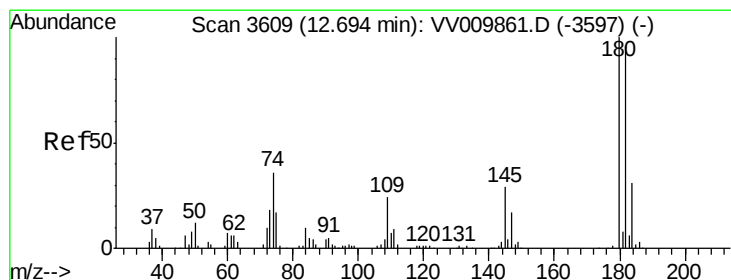
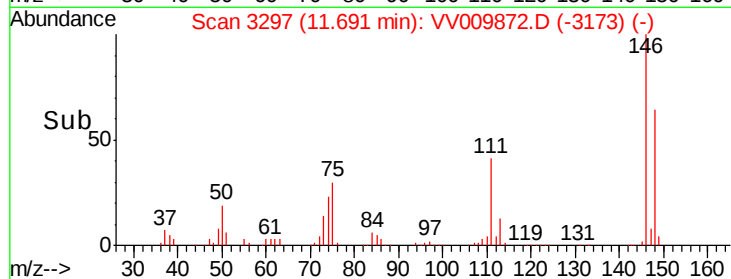
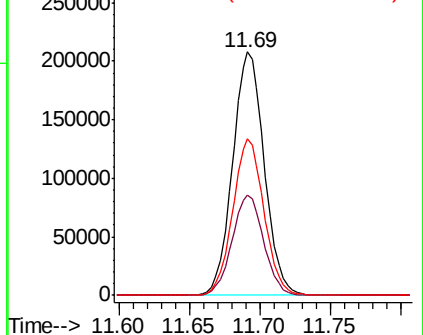
148 64.1 53.2 79.8



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



#67

1,3,5-Trichlorobenzene

Concen: 16.577 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.62 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

Tgt Ion:180 Resp: 27424

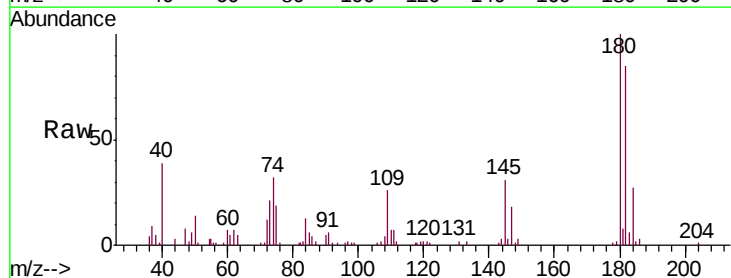
Ion Ratio Lower Upper

180 100

182 86.6 75.0 112.6

184 27.4 24.1 36.1

145 28.9 24.2 36.4

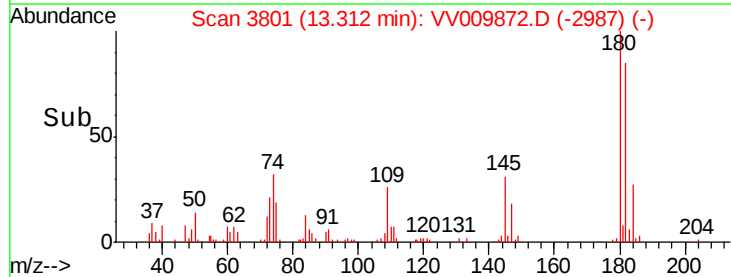
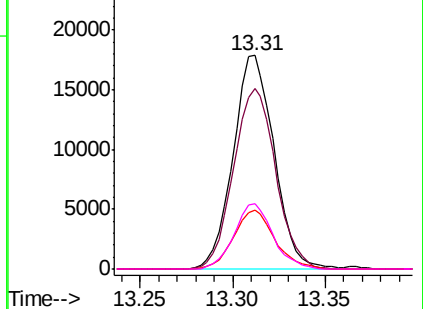


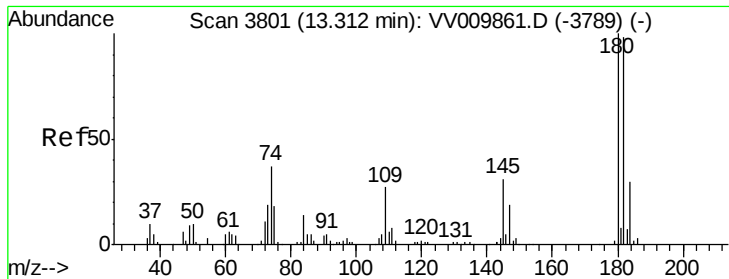
Abundance Ion 180.00 (179.70 to 180.70): V

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

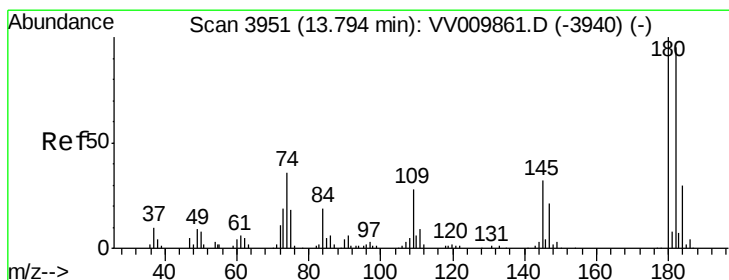
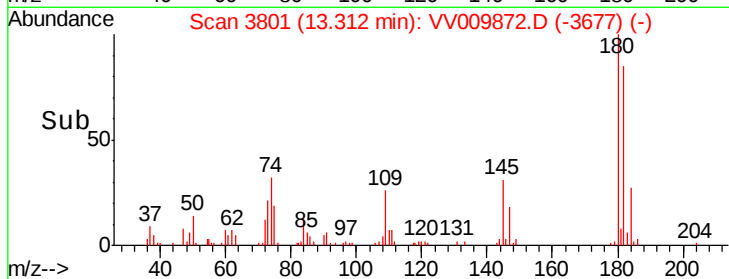
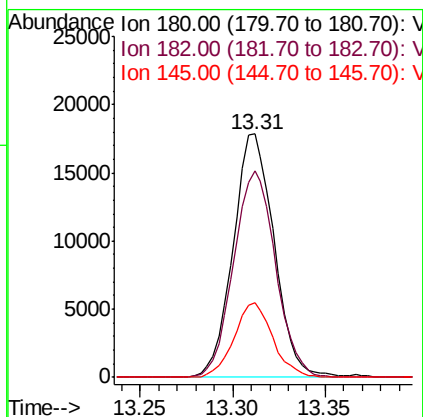
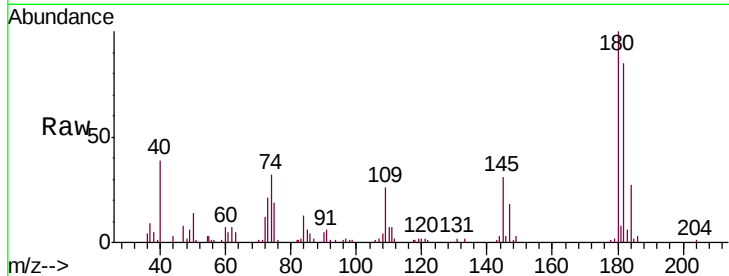




#68
 1,2,4-trichlorobenzene
 Concen: 20.806 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009872.D
 Acq: 25 Mar 2019 19:57

Instrument :
 MSVOA_V
 ClientSampleId :
 C09E0

Tgt Ion:180 Resp: 27424
 Ion Ratio Lower Upper
 180 100
 182 86.6 77.1 115.7
 145 28.9 24.3 36.5



#70
 1,2,3-Trichlorobenzene
 Concen: 5.295 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009872.D
 Acq: 25 Mar 2019 19:57

Tgt Ion:180 Resp: 7061
 Ion Ratio Lower Upper
 180 100
 182 91.1 75.6 113.4
 145 34.0 24.8 37.2

