

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091019\
 Data File : VV012660.D
 Acq On : 10 Sep 2019 16:29
 Operator : SY/MD
 Sample : K4703-13DL 5X
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD96DL

Quant Time: Sep 11 06:46:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 11 05:21:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	392290	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	391086	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	154248	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	109764	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.58	69	86276	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.12	63	140701	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.96	46	366902	57.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.60%
24) Chloroform-d	4.40	84	220609	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.08	65	117218	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.09	84	414157	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.12	67	142577	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	322709	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
43) trans-1,3-Dichloropropene-	7.66	79	42509	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.14	63	177850	46.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	105921	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	136804	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

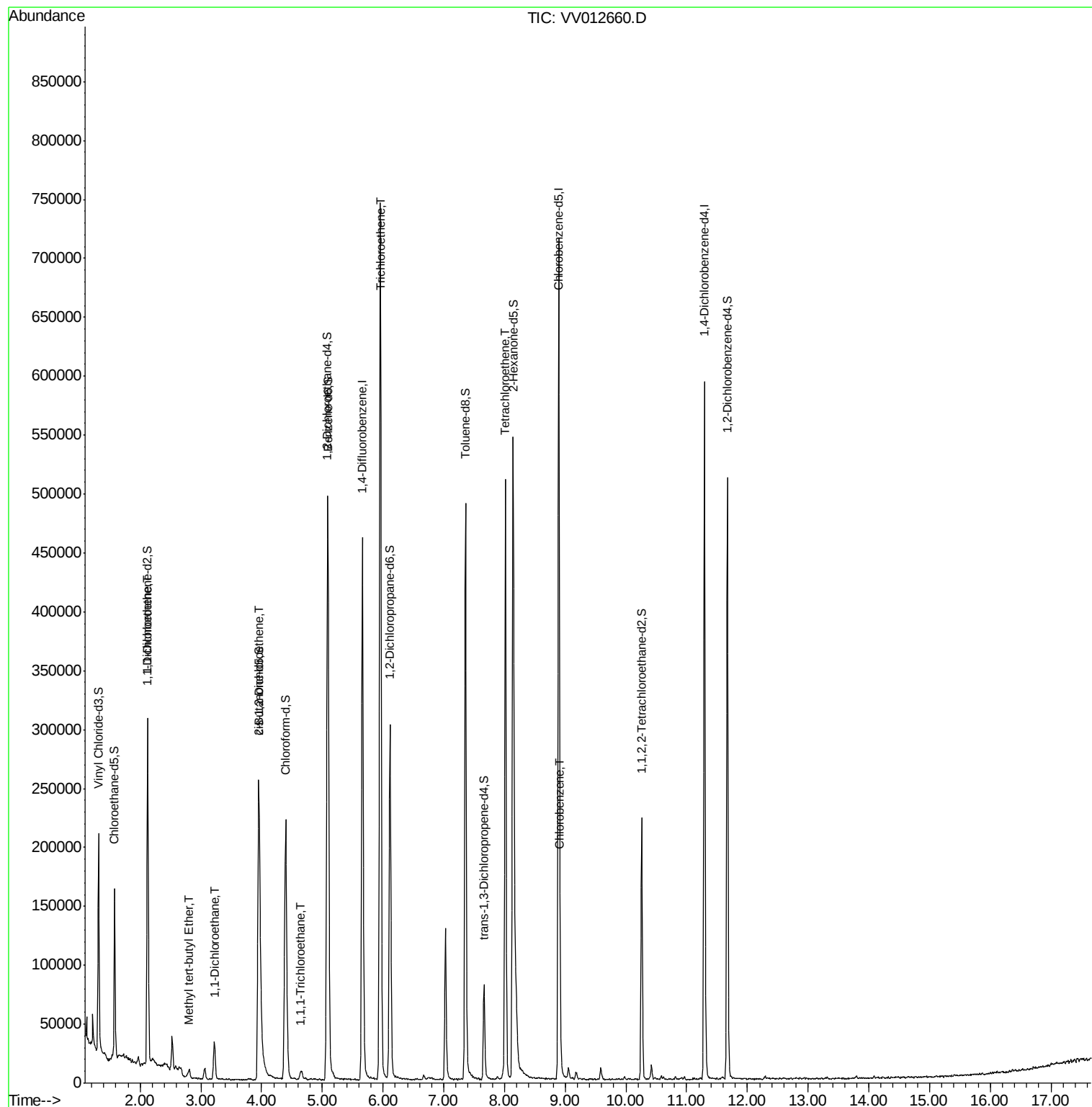
					Ovalue
12) 1,1-Dichloroethene	2.14	96	19994	0.821 ug/L #	41
17) Methyl tert-butyl Ether	2.81	73	6911	0.121 ug/L	98
19) 1,1-Dichloroethane	3.22	63	32062	0.622 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	36266	1.219 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	5615	0.130 ug/L #	86
34) Trichloroethene	5.96	95	250404	7.928 ug/L	98
47) Tetrachloroethene	8.02	164	117657	4.745 ug/L	98
51) Chlorobenzene	8.92	112	11764	0.151 ug/L	88

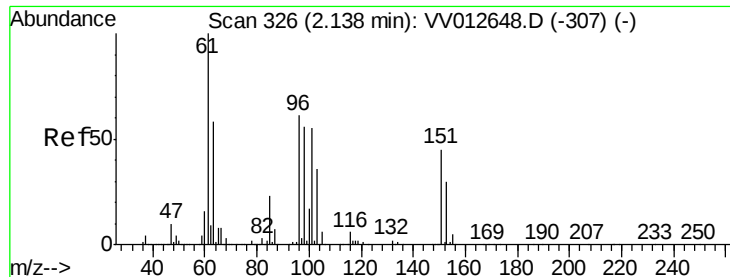
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.821 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012660.D

Acq: 10 Sep 2019 16:29

Instrument :

MSVOA_V

ClientSampleId :

BFD96DL

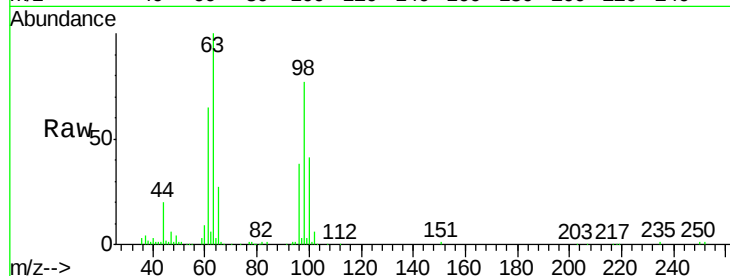
Tot Ion: 96 Resp: 19994

Ion Ratio Lower Upper

96 100

61 171.4 115.8 215.0

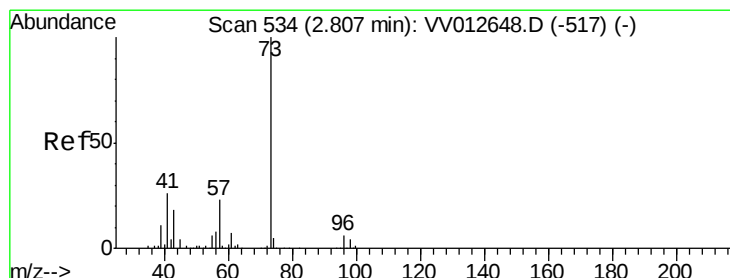
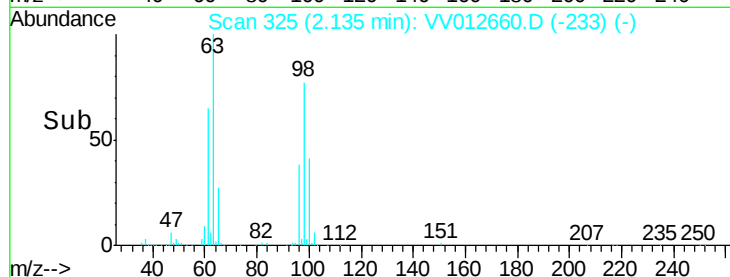
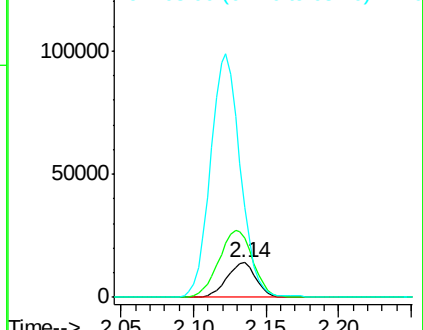
63 262.7 79.4 147.4#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#17

Methyl tert-butyl Ether

Concen: 0.121 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012660.D

Acq: 10 Sep 2019 16:29

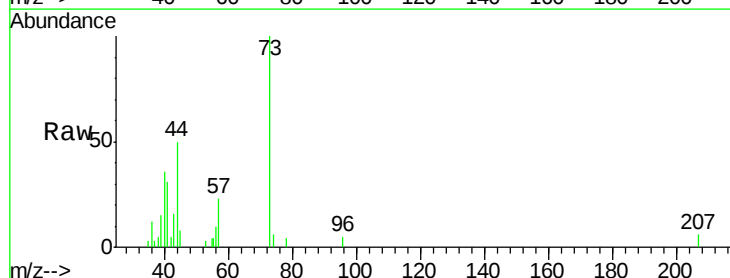
Tgt Ion: 73 Resp: 6911

Ion Ratio Lower Upper

73 100

43 18.2 14.6 21.8

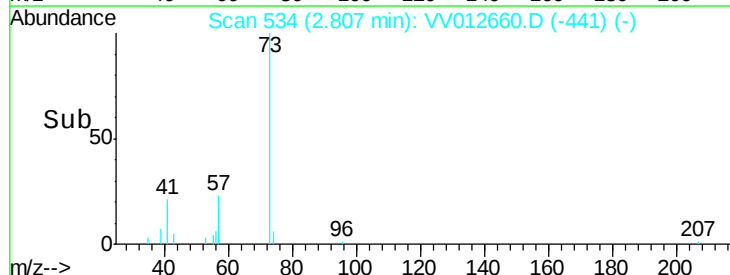
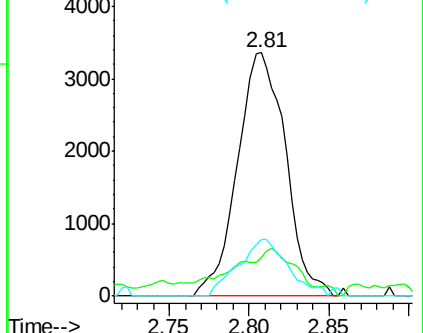
57 24.0 18.2 27.2

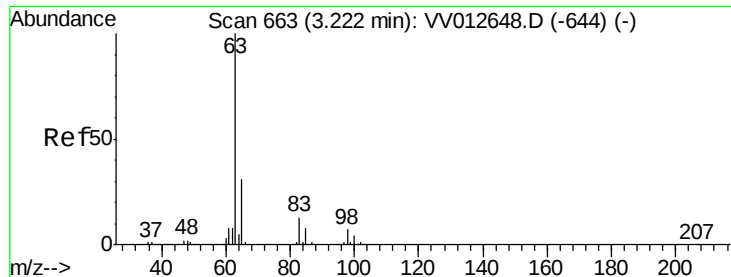


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0





#19

1,1-Dichloroethane

Concen: 0.622 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV012660.D

Acq: 10 Sep 2019 16:29

Instrument :

MSVOA_V

ClientSampleId :

BFD96DL

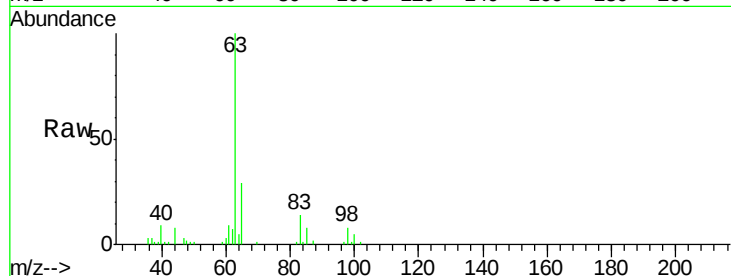
Tot Ion: 63 Resp: 32062

Ion Ratio Lower Upper

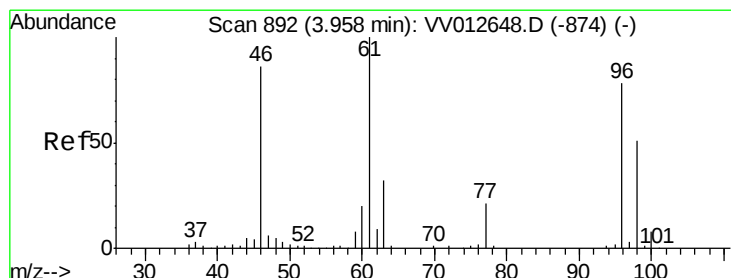
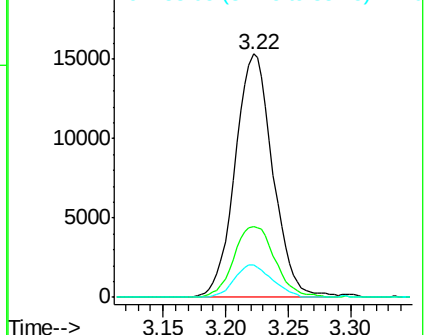
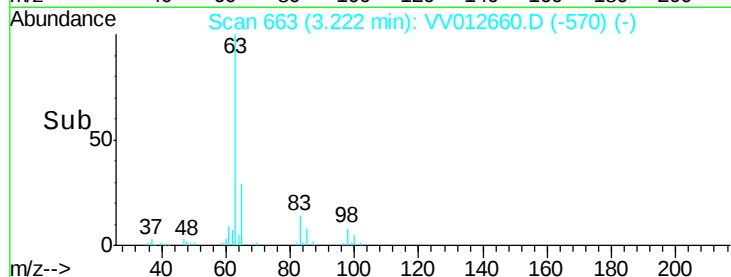
63 100

65 28.9 22.7 42.3

83 13.5 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VV012660.D (-570) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.219 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV012660.D

Acq: 10 Sep 2019 16:29

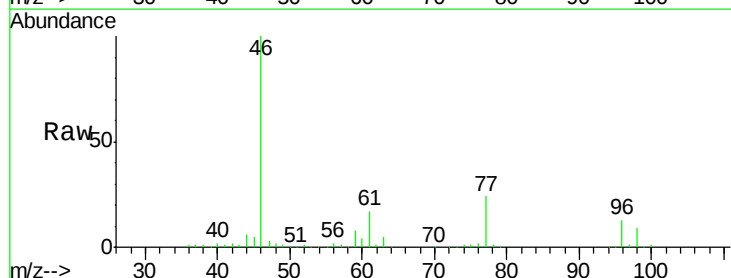
Tgt Ion: 96 Resp: 36266

Ion Ratio Lower Upper

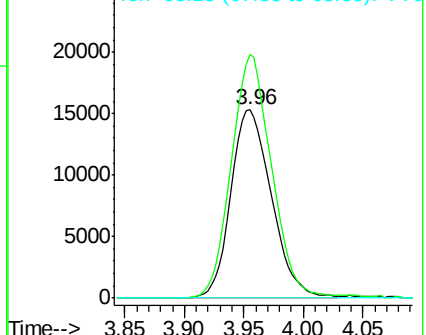
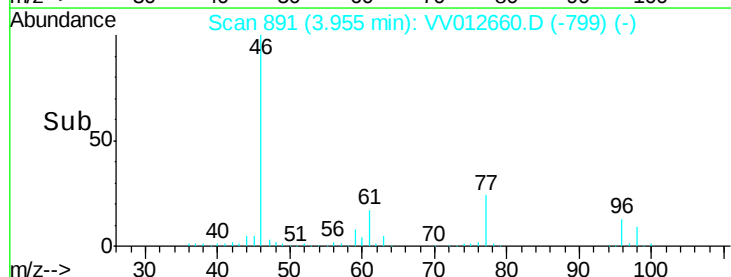
96 100

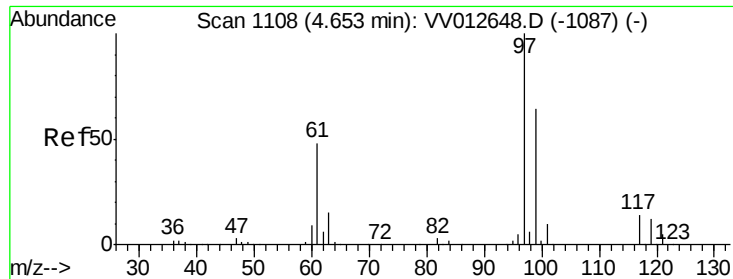
61 129.3 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012660.D (-799) (-)

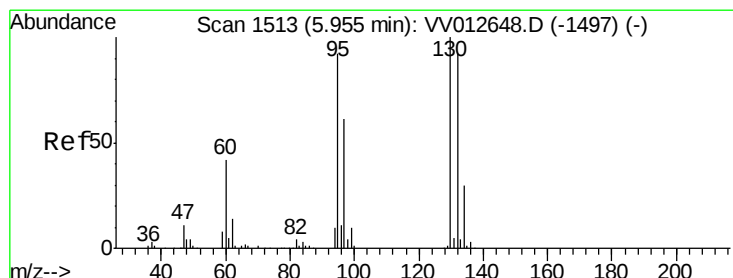
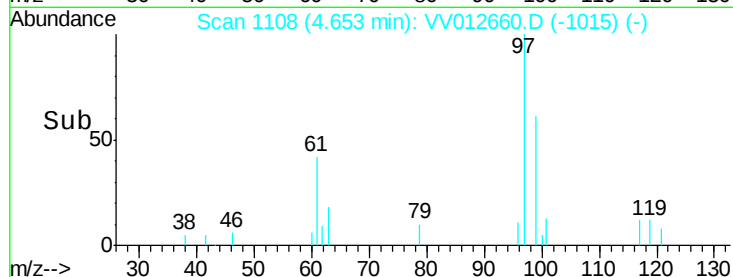
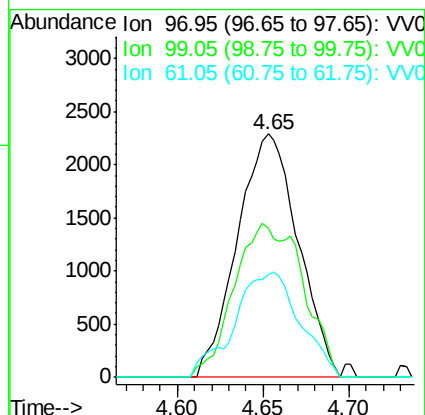
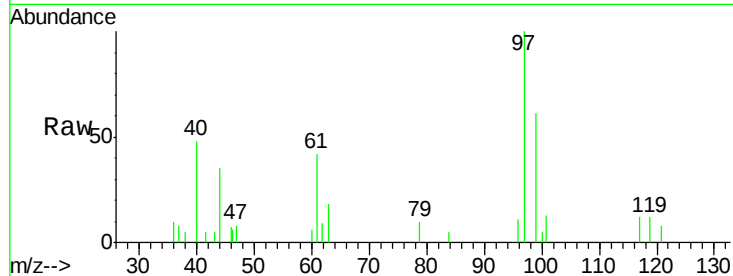




#29
 1,1,1-Trichloroethane
 Concen: 0.130 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012660.D
 Acq: 10 Sep 2019 16:29

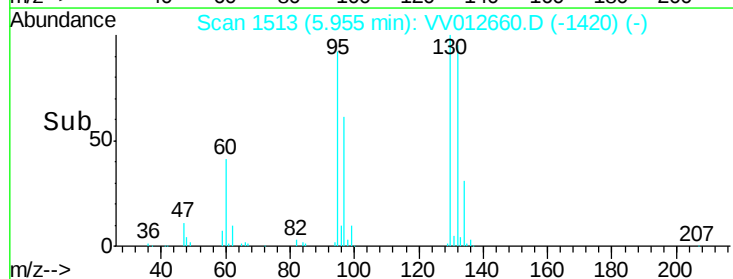
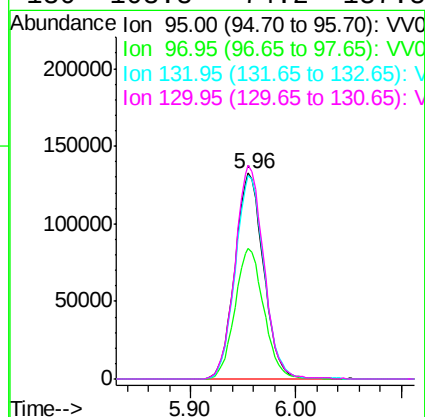
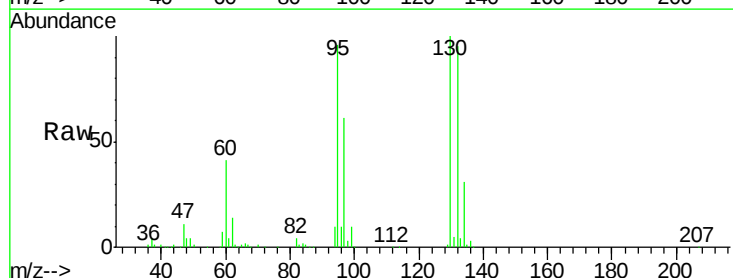
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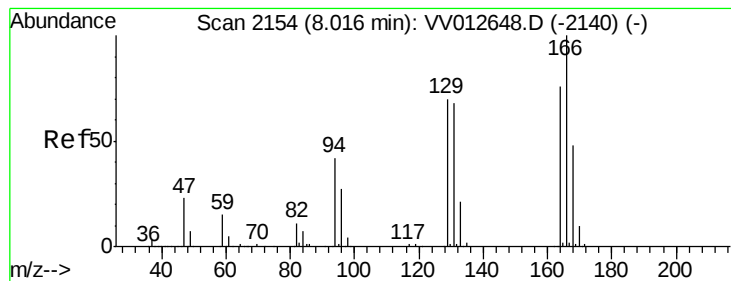
Tot Ion: 97 Resp: 5615
 Ion Ratio Lower Upper
 97 100
 99 46.1 51.6 77.4#
 61 46.6 37.5 56.3



#34
 Trichloroethene
 Concen: 7.928 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV012660.D
 Acq: 10 Sep 2019 16:29

Tgt Ion: 95 Resp: 250404
 Ion Ratio Lower Upper
 95 100
 97 63.7 45.4 84.2
 132 98.8 70.2 130.4
 130 103.8 74.2 137.8





#47

Tetrachloroethene

Concen: 4.745 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012660.D

Acq: 10 Sep 2019 16:29

Instrument :

MSVOA_V

ClientSampleId :

BFD96DL

Tot Ion:164 Resp: 117657

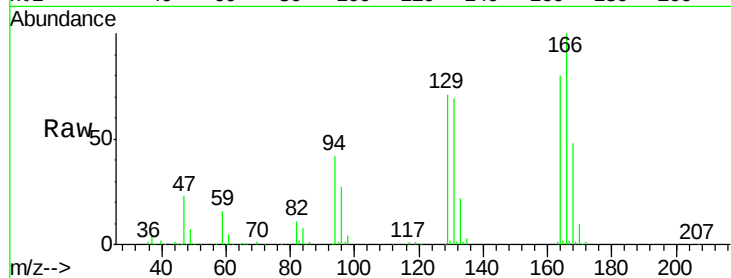
Ion Ratio Lower Upper

164 100

129 88.6 61.9 114.9

131 86.5 59.7 110.9

166 124.7 90.4 167.8

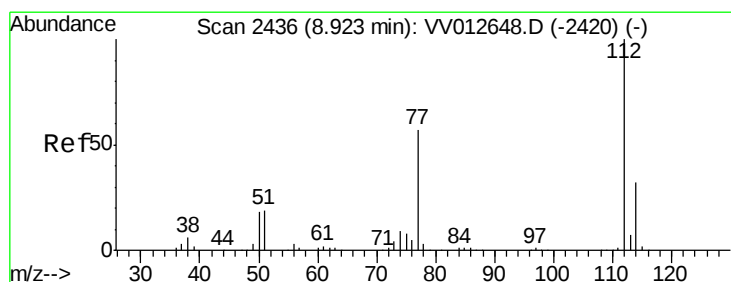
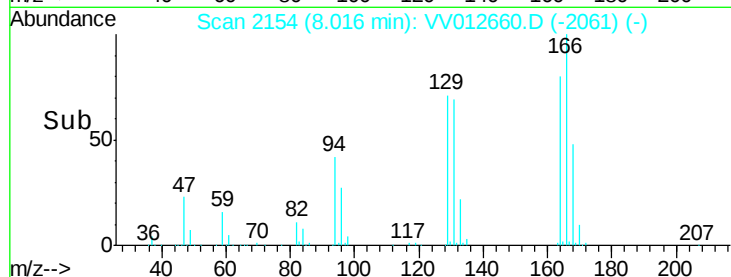
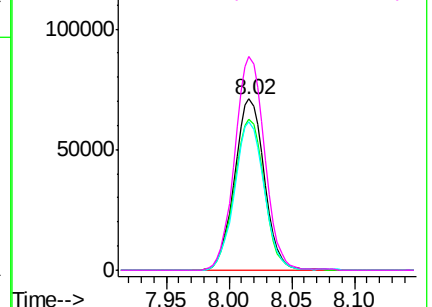


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#51

Chlorobenzene

Concen: 0.151 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012660.D

Acq: 10 Sep 2019 16:29

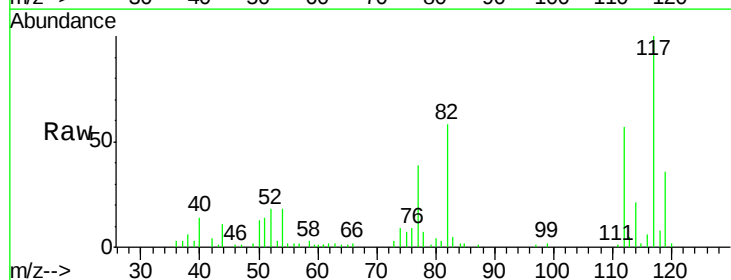
Tgt Ion:112 Resp: 11764

Ion Ratio Lower Upper

112 100

114 36.2 22.5 41.9

77 68.4 46.2 69.2



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

