

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091019\
 Data File : VV012657.D
 Acq On : 10 Sep 2019 15:09
 Operator : SY/MD
 Sample : K4703-14DL 5X
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD97DL

Quant Time: Sep 11 06:33:51 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	376855	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	377259	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	147789	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113823	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.58	69	65917	3.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.40%#
11) 1,1-Dichloroethene-d2	2.12	63	154782	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	3.95	46	366191	59.53	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.06%
24) Chloroform-d	4.40	84	222084	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	117222	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.09	84	422905	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.12	67	144127	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	329874	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	7.66	79	44975	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.14	63	179465	48.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	105260	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	135979	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

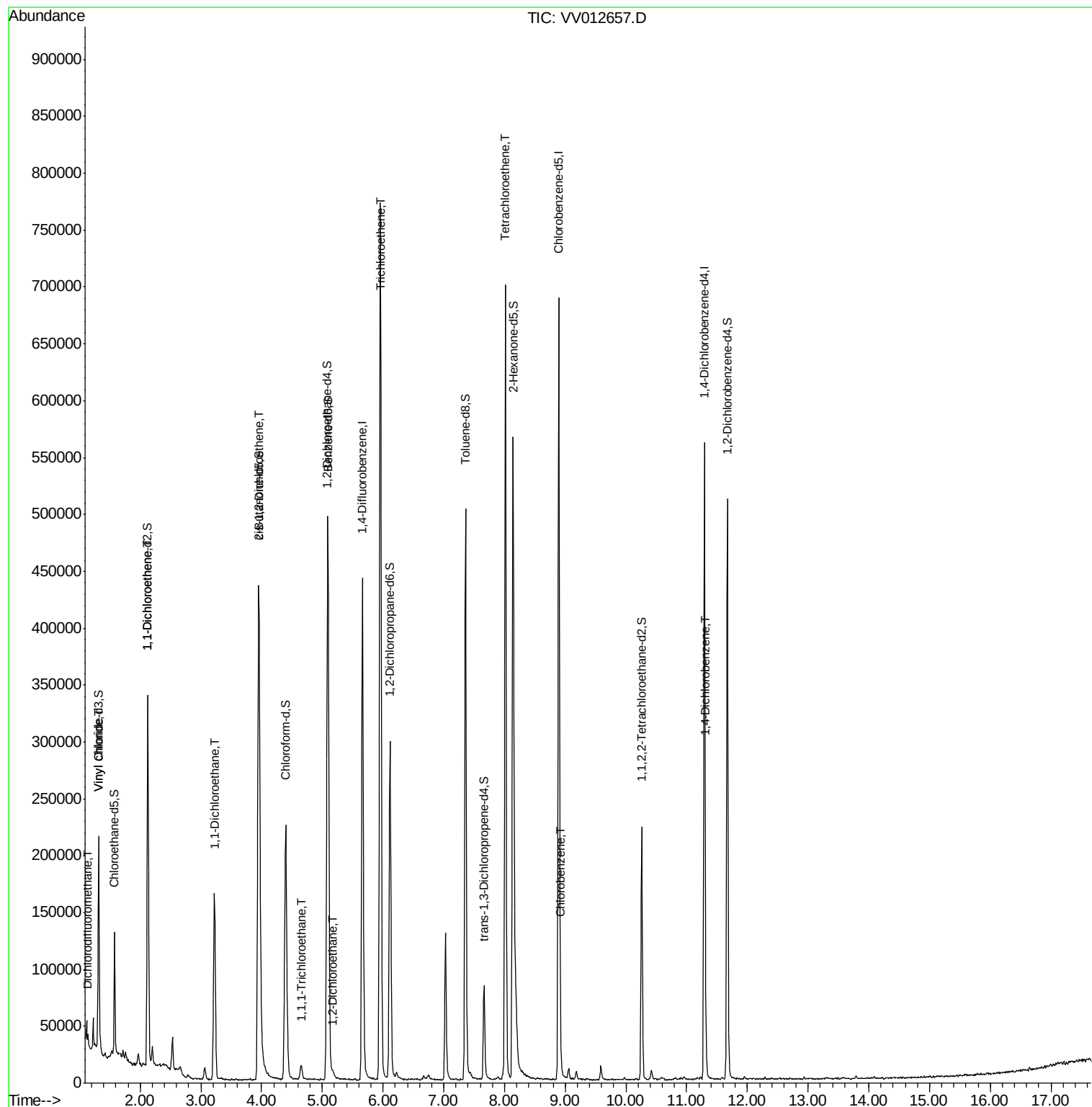
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4356	0.137	ug/L #	84
5) Vinyl chloride	1.32	62	6140	0.187	ug/L #	65
12) 1,1-Dichloroethene	2.14	96	33040	1.411	ug/L #	50
19) 1,1-Dichloroethane	3.22	63	165816	3.347	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	137691	4.816	ug/L	97
27) 1,2-Dichloroethane	5.18	62	3948	0.138	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	8838	0.213	ug/L	98
34) Trichloroethene	5.96	95	260610	8.553	ug/L	99
47) Tetrachloroethene	8.02	164	158360	6.621	ug/L	98
51) Chlorobenzene	8.93	112	8722	0.116	ug/L	96
63) 1,4-Dichlorobenzene	11.31	146	5429	0.117	ug/L	88

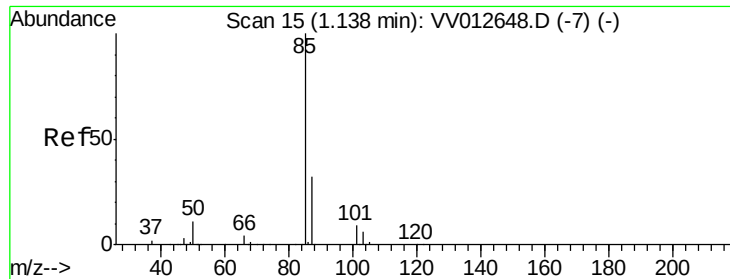
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV091019\
Data File : VV012657.D
Acq On : 10 Sep 2019 15:09
Operator : SY/MD
Sample : K4703-14DL 5X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD97DL

Quant Time: Sep 11 06:33:51 2019
Quant Method : Z:\V0ASRV\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





#2

Dichlorodifluoromethane

Concen: 0.137 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

Instrument :

MSVOA_V

ClientSampleId :

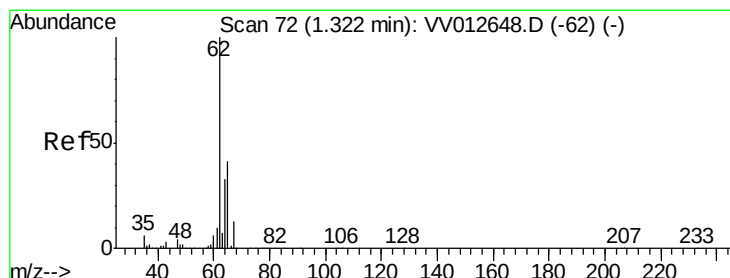
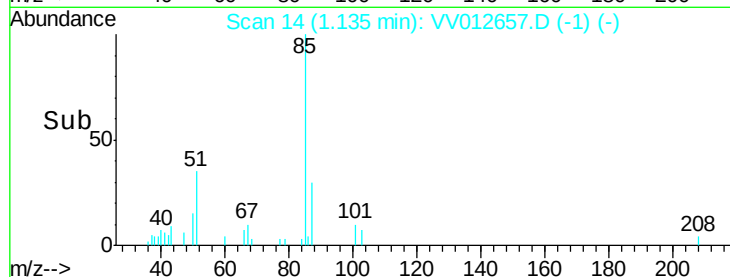
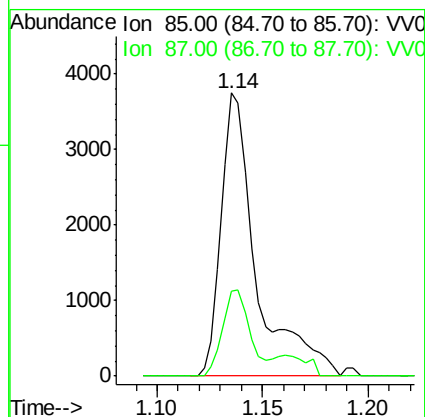
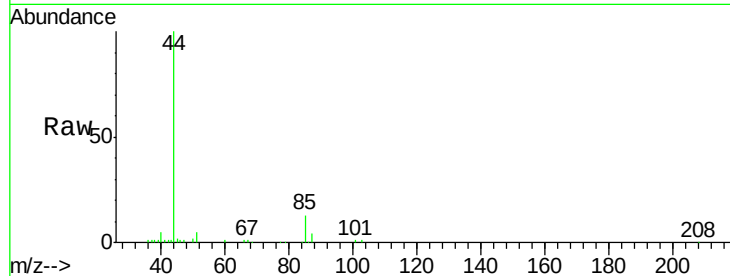
BFD97DL

Tot Ion: 85 Resp: 4356

Ion Ratio Lower Upper

85 100

87 23.6 25.8 38.8#



#5

Vinyl chloride

Concen: 0.187 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012657.D

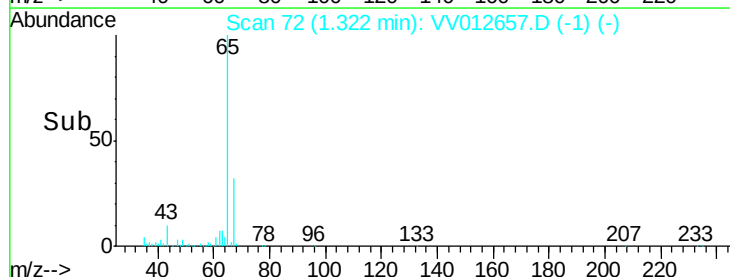
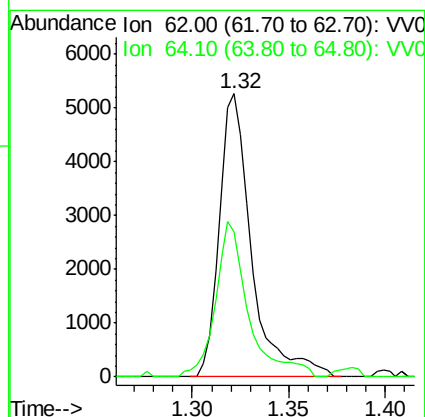
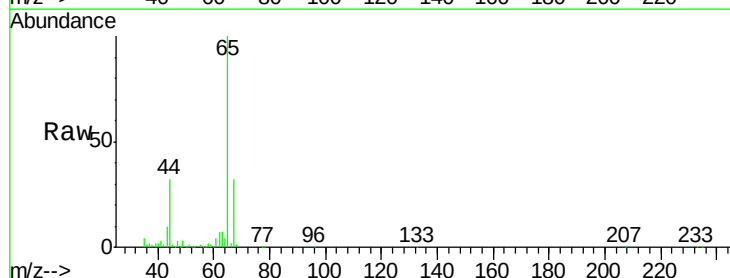
Acq: 10 Sep 2019 15:09

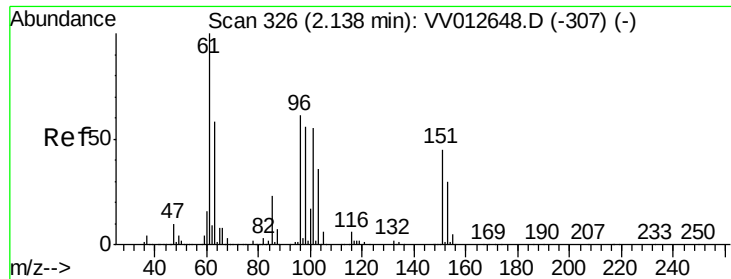
Tgt Ion: 62 Resp: 6140

Ion Ratio Lower Upper

62 100

64 51.1 22.1 41.1#

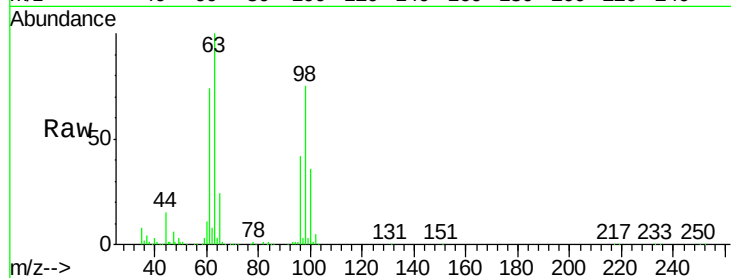




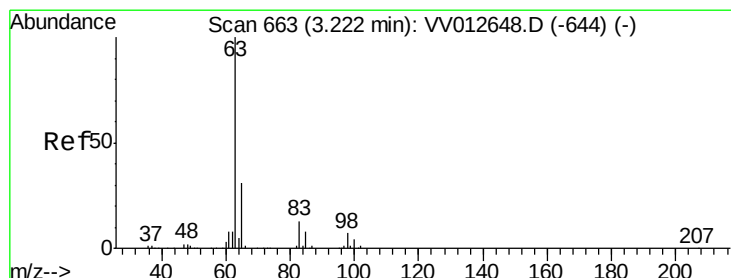
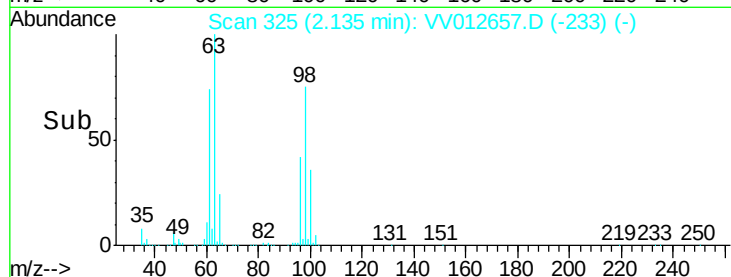
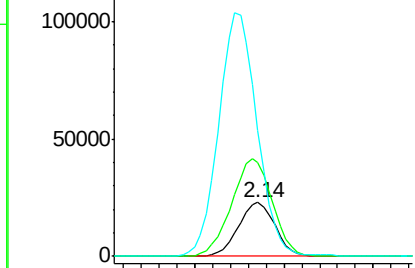
#12
 1,1-Dichloroethene
 Concen: 1.411 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV012657.D
 Acq: 10 Sep 2019 15:09

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD97DL

Tot Ion: 96 Resp: 33040
 Ion Ratio Lower Upper
 96 100
 61 174.9 115.8 215.0
 63 235.4 79.4 147.4#

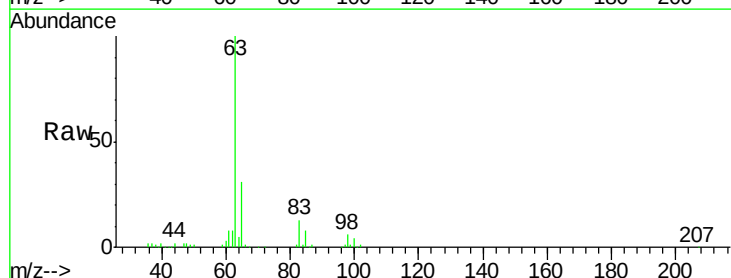


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 63.00 (62.70 to 63.70): VV0

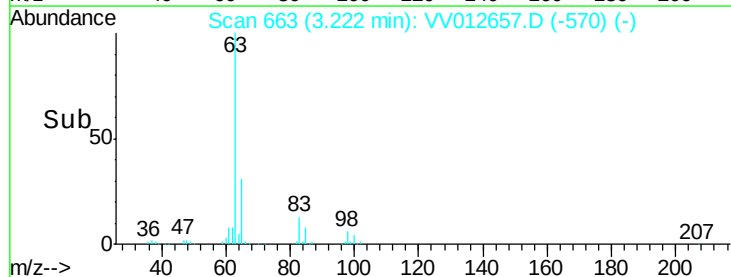
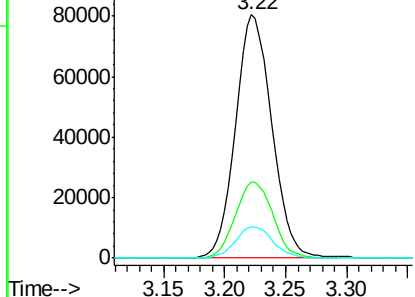


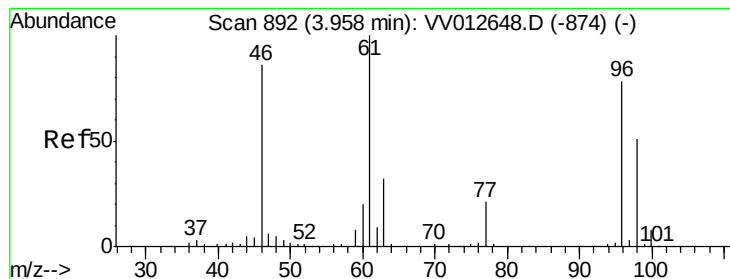
#19
 1,1-Dichloroethane
 Concen: 3.347 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV012657.D
 Acq: 10 Sep 2019 15:09

Tgt Ion: 63 Resp: 165816
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.7 42.3
 83 13.0 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 4.816 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

Instrument :

MSVOA_V

ClientSampleId :

BFD97DL

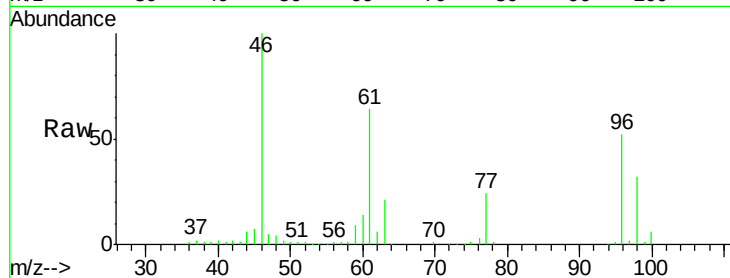
Tot Ion: 96 Resp: 137691

Ion Ratio Lower Upper

96 100

61 124.6 89.7 166.5

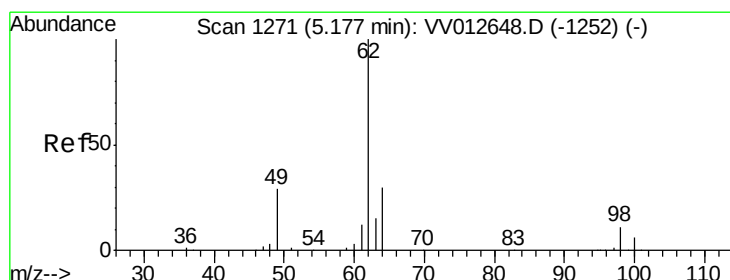
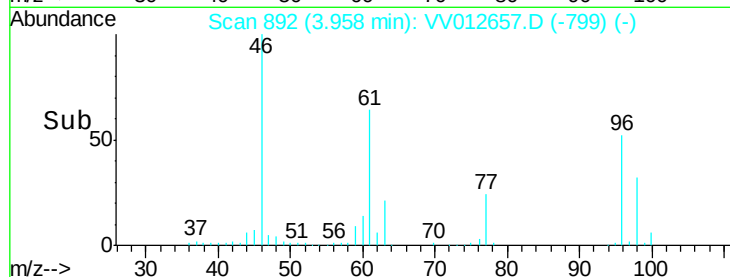
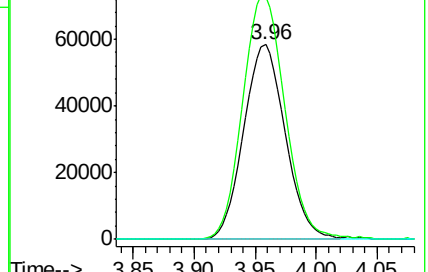
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012648.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VV012648.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VV012648.D (-874) (-)



#27

1,2-Dichloroethane

Concen: 0.138 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VV012657.D

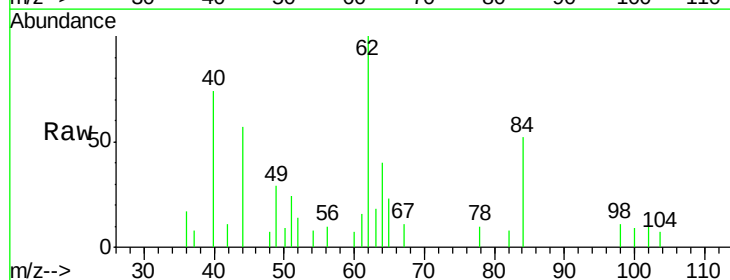
Acq: 10 Sep 2019 15:09

Tgt Ion: 62 Resp: 3948

Ion Ratio Lower Upper

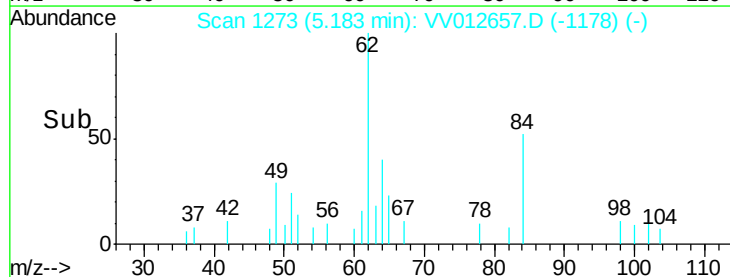
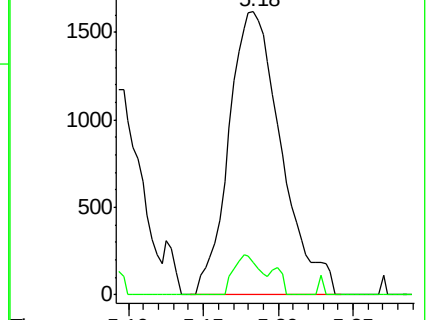
62 100

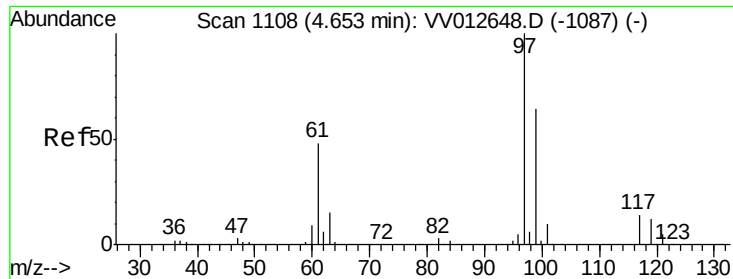
98 11.2 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VV012648.D (-1252) (-)

Ion 98.05 (97.75 to 98.75): VV012648.D (-1252) (-)

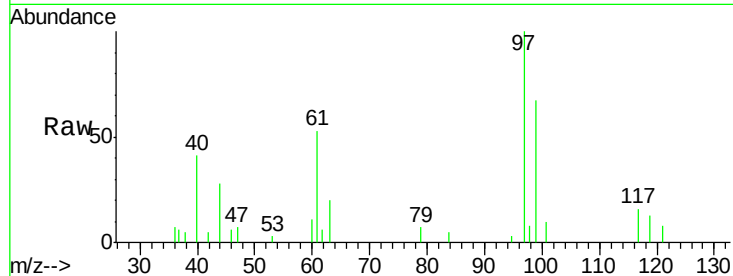




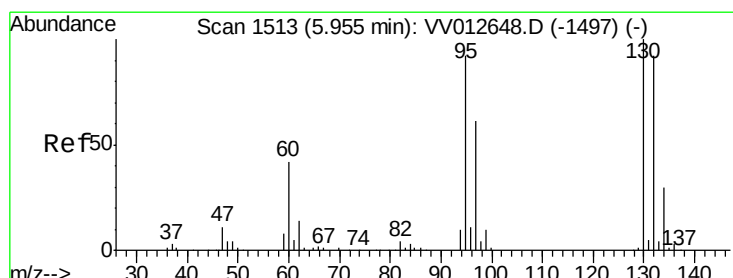
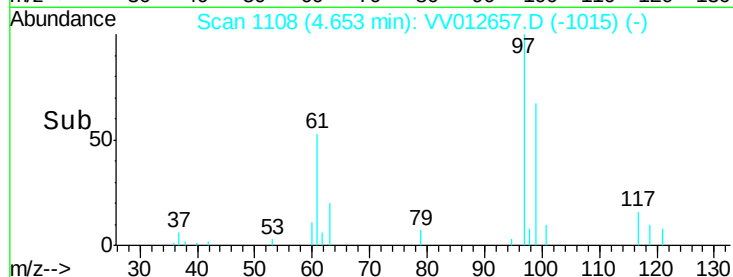
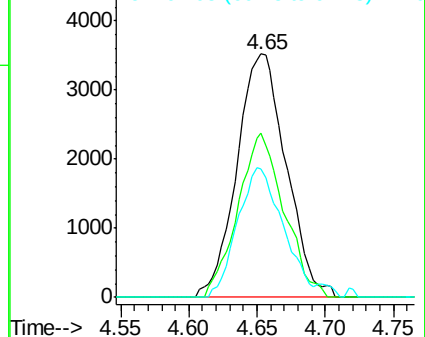
#29
 1,1,1-Trichloroethane
 Concen: 0.213 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012657.D
 Acq: 10 Sep 2019 15:09

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD97DL

Tot Ion: 97 Resp: 8838
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.6 77.4
 61 48.9 37.5 56.3

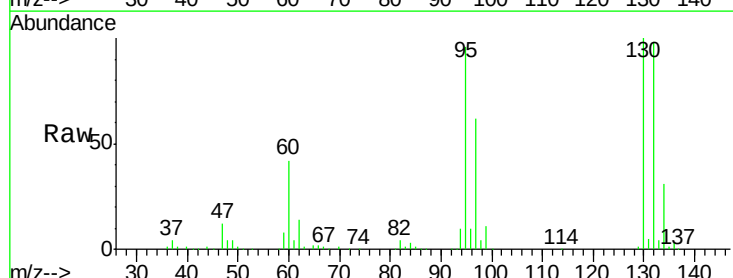


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

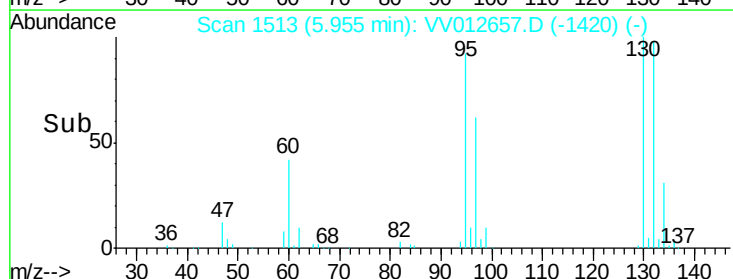
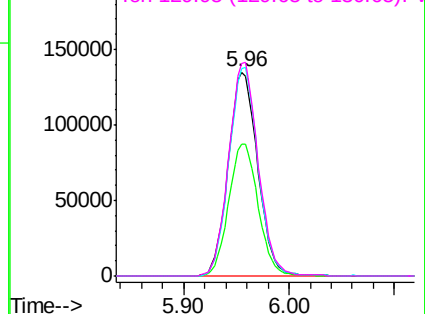


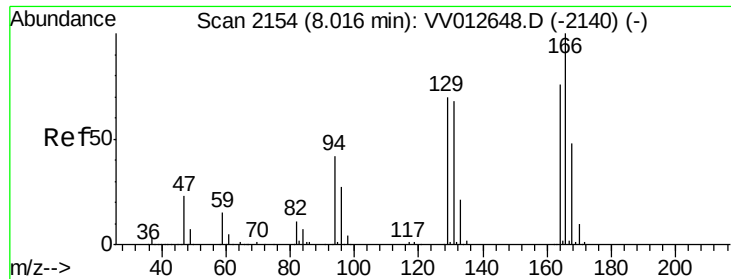
#34
 Trichloroethene
 Concen: 8.553 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV012657.D
 Acq: 10 Sep 2019 15:09

Tgt Ion: 95 Resp: 260610
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.4 84.2
 132 101.8 70.2 130.4
 130 104.4 74.2 137.8



Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0





#47

Tetrachloroethene

Concen: 6.621 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

Instrument :

MSVOA_V

ClientSampleId :

BFD97DL

Tot Ion:164 Resp: 158360

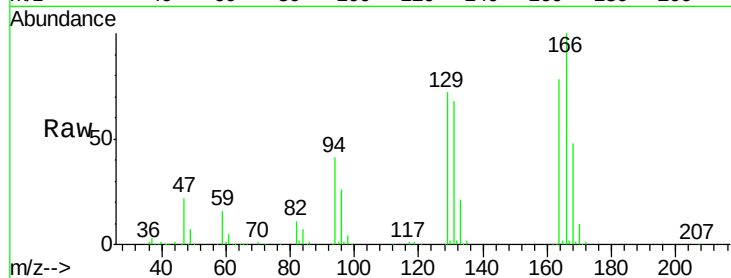
Ion Ratio Lower Upper

164 100

129 92.1 61.9 114.9

131 87.2 59.7 110.9

166 128.6 90.4 167.8

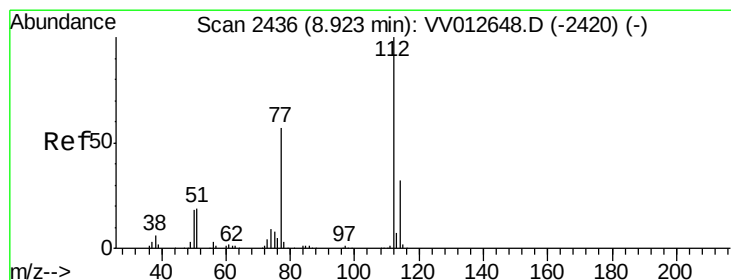
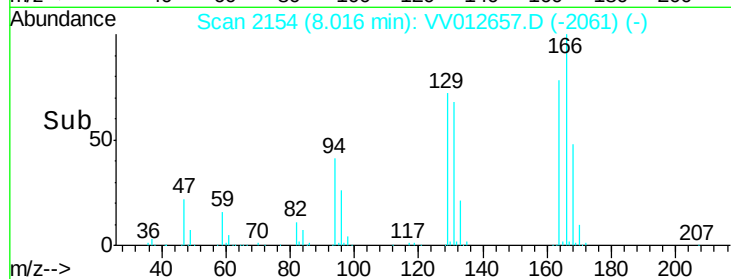
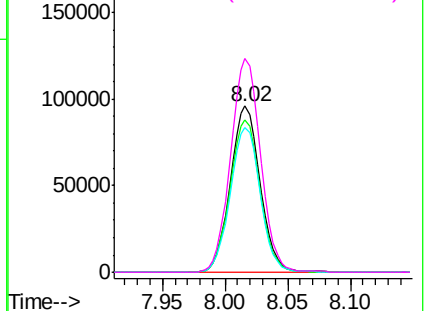


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.116 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV012657.D

Acq: 10 Sep 2019 15:09

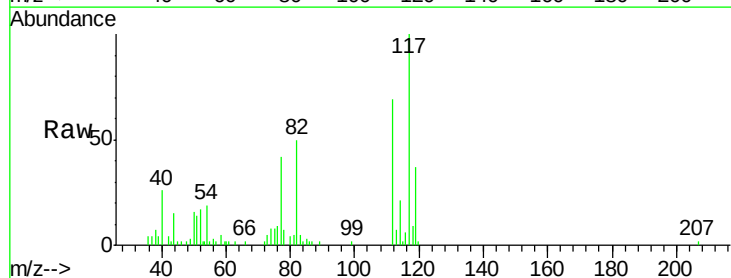
Tgt Ion:112 Resp: 8722

Ion Ratio Lower Upper

112 100

114 30.0 22.5 41.9

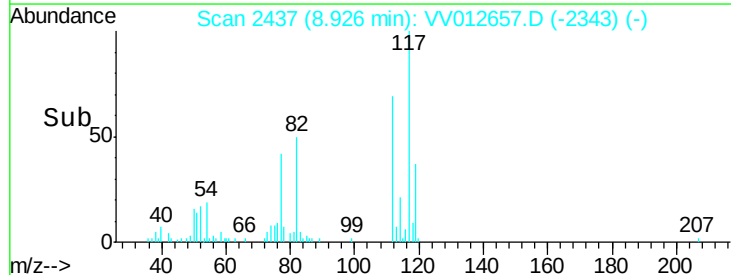
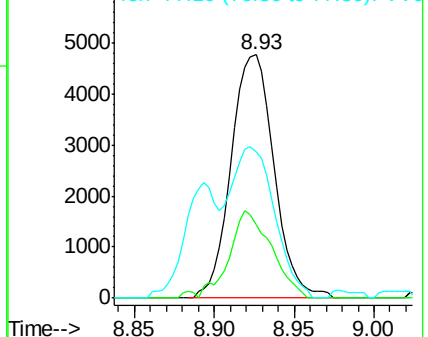
77 60.3 46.2 69.2

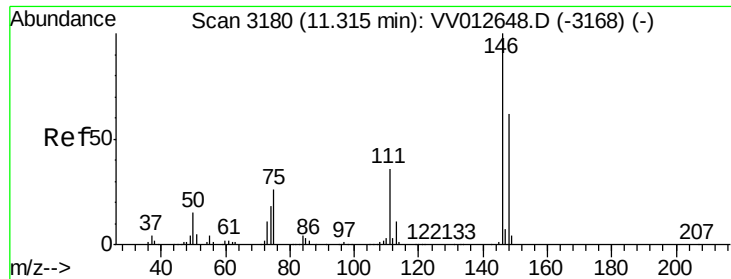


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#63
 1,4-Dichlorobenzene
 Concen: 0.117 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012657.D
 Acq: 10 Sep 2019 15:09

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD97DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	25.9	48.1
148	56.9	45.1	83.7

