

Data File : VV012190.D
Acq On : 11 Aug 2019 13:58
Operator : SY/MD
Sample : K4248-03DL 40X
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2B06DL

Quant Time: Aug 12 01:38:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 12 01:34:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	336843	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	321093	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	156793	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63888	51.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.10%
7) Chloroethane-d5	1.58	69	41649	52.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.42%
11) 1,1-Dichloroethene-d2	2.13	63	84806	36.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.40%
21) 2-Butanone-d5	3.93	46	67932	110.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.87%
24) Chloroform-d	4.40	84	116780	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.72%
26) 1,2-Dichloroethane-d4	5.08	65	71705	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
32) Benzene-d6	5.10	84	241233	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
36) 1,2-Dichloropropane-d6	6.12	67	66314	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.94%
41) Toluene-d8	7.36	98	217301	45.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.64%
43) trans-1,3-Dichloropropene-	7.66	79	32234	43.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.84%
47) 2-Hexanone-d5	8.13	63	46982	90.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	87482	47.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.24%
64) 1,2-Dichlorobenzene-d4	11.67	152	90144	48.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.28%

Target Compounds

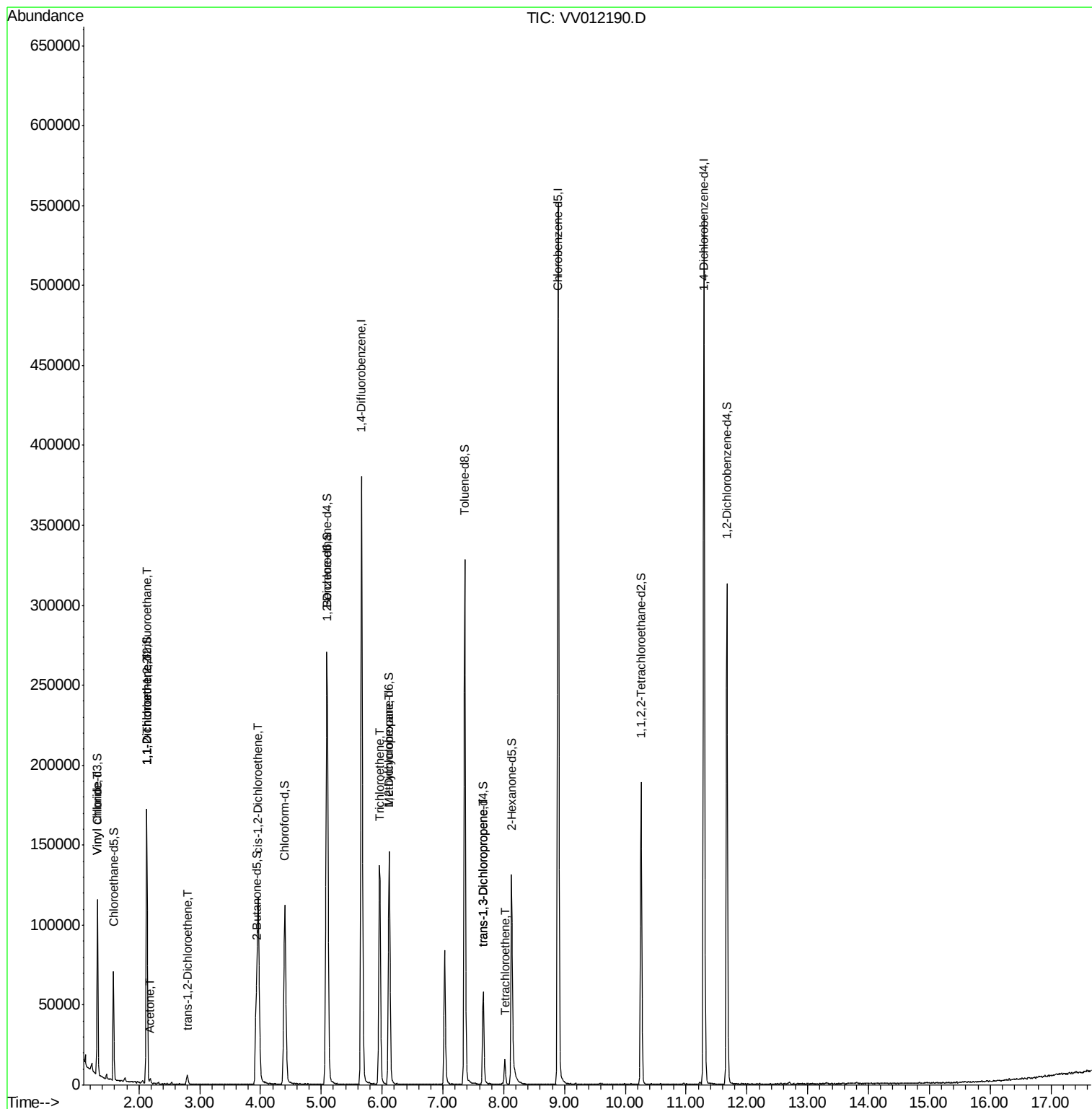
						Qvalue
5) Vinyl chloride	1.32	62	3669	1.970	ug/L #	40
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1066	0.718	ug/L #	14
12) 1,1-Dichloroethene	2.13	96	954	0.698	ug/L #	1
13) Acetone	2.19	43	726	0.816	ug/L	68
17) trans-1,2-Dichloroethene	2.80	96	2610	1.309	ug/L	81
20) cis-1,2-Dichloroethene	3.96	96	65477	28.906	ug/L	99
34) Trichloroethene	5.96	95	47019	21.225	ug/L	99
35) Methylcyclohexane	6.12	83	17617	5.107	ug/L #	22
44) trans-1,3-Dichloropropene	7.66	75	1625	0.534	ug/L	84
46) Tetrachloroethene	8.02	164	3238	1.529	ug/L	95

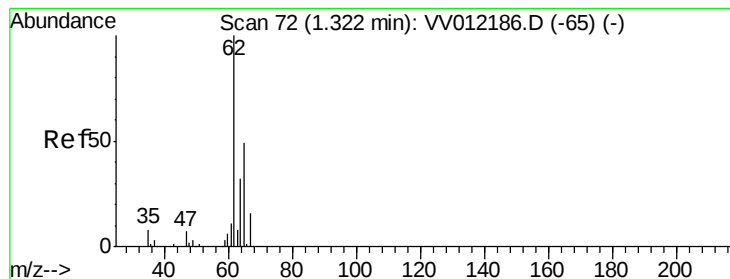
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.970 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012190.D

Acq: 11 Aug 2019 13:58

Instrument :

MSVOA_V

ClientSampleId :

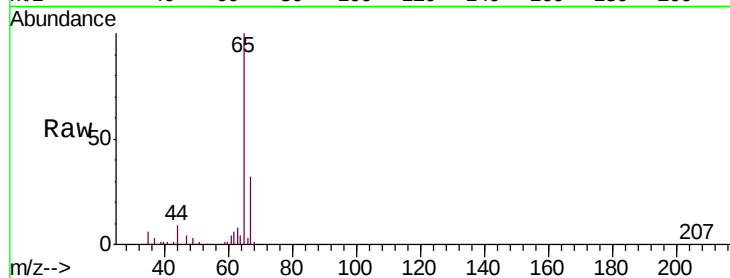
F2B06DL

Tgt Ion: 62 Resp: 3669

Ion Ratio Lower Upper

62 100

64 68.4 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VV012186.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV012186.D (-65) (-)

1.32

3000

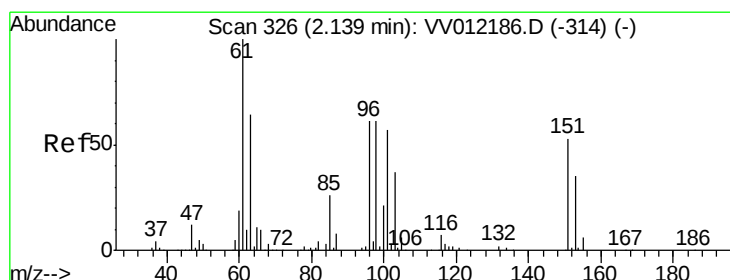
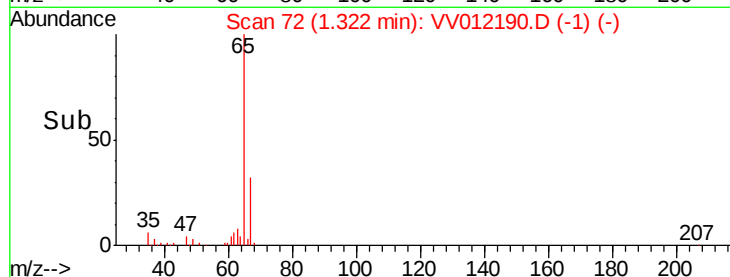
2000

1000

0

1.30 1.32 1.34 1.36

Time-->



#10

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

Concen: 0.718 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012190.D

Acq: 11 Aug 2019 13:58

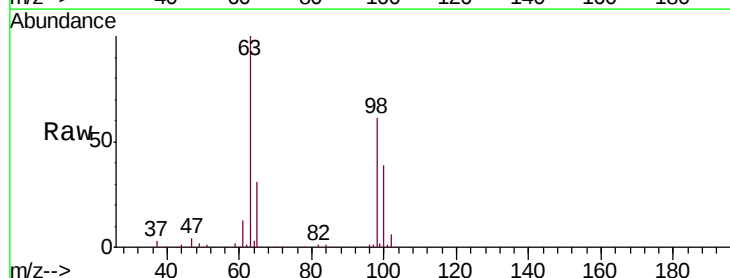
Tgt Ion: 101 Resp: 1066

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 71.8 107.8#



Abundance Ion 101.00 (100.70 to 101.70): VV012186.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV012186.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV012186.D (-314) (-)

2.13

1000

800

600

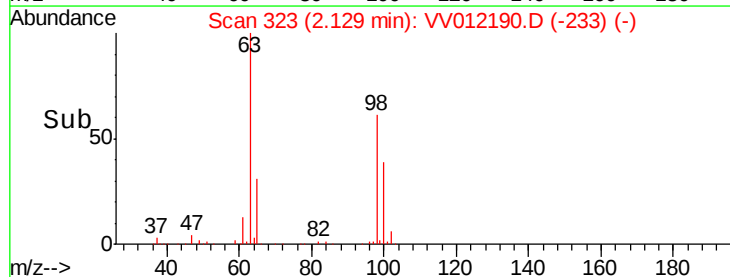
400

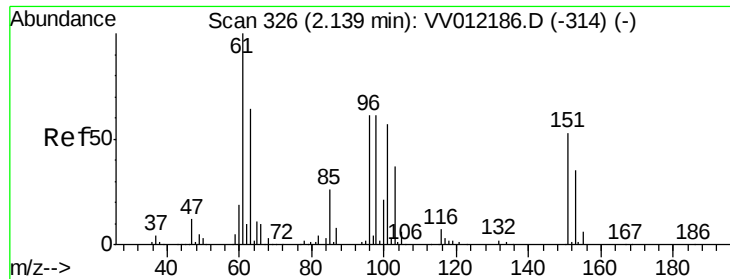
200

0

2.10 2.12 2.14 2.16

Time-->

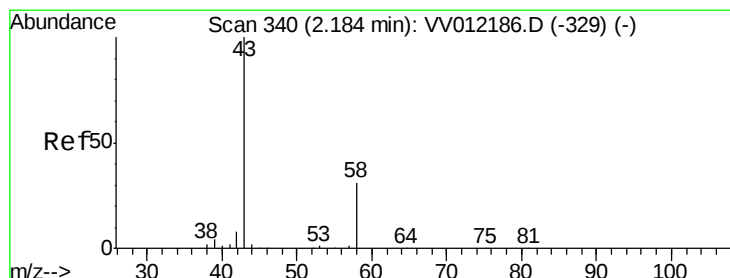
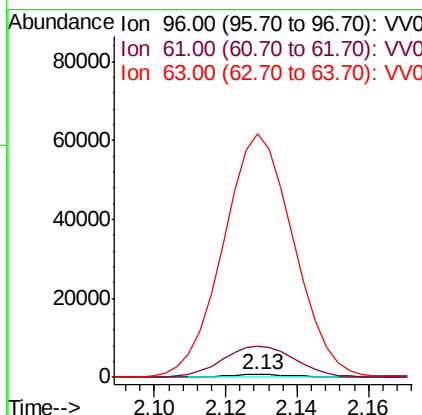
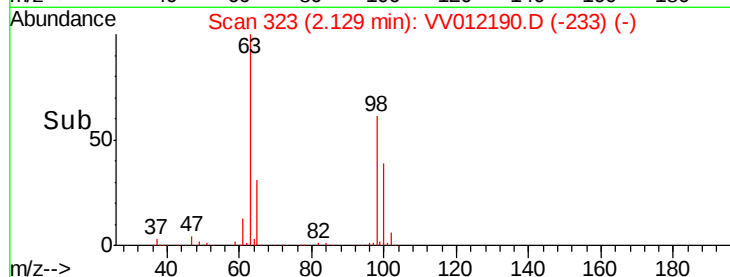
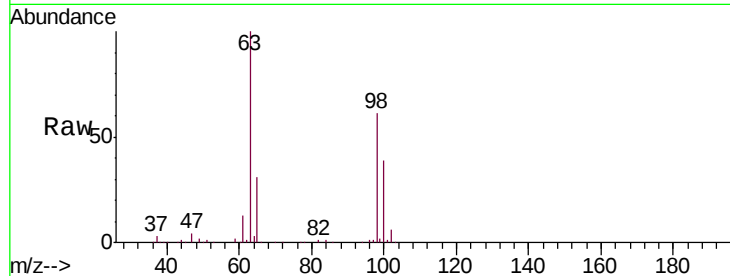




#12
 1,1-Dichloroethene
 Concen: 0.698 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV012190.D
 Acq: 11 Aug 2019 13:58

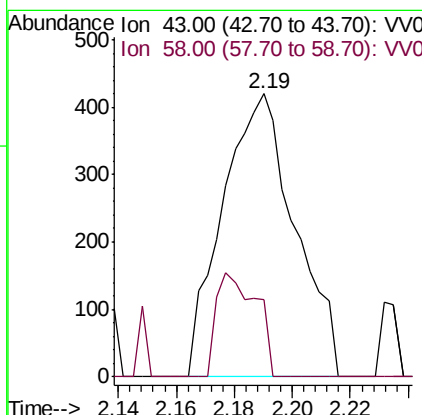
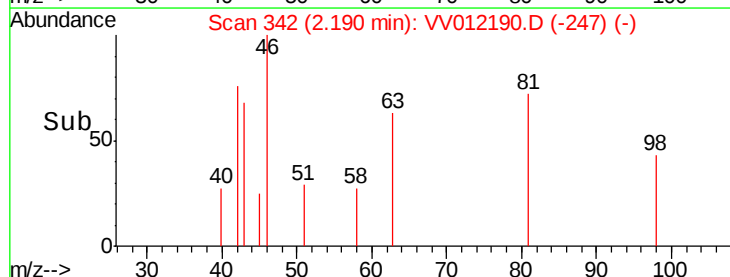
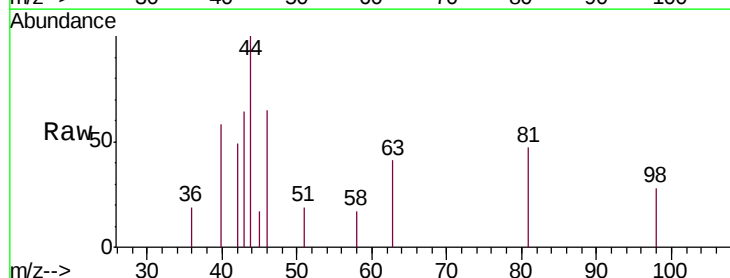
Instrument :
 MSVOA_V
 ClientSampled :
 F2B06DL

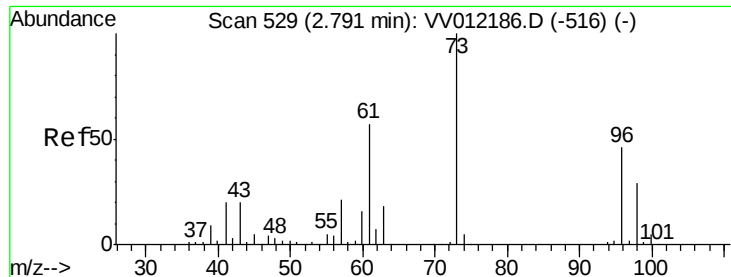
Tgt Ion: 96 Resp: 954
 Ion Ratio Lower Upper
 96 100
 61 1174.0 115.1 213.8#
 63 9103.2 83.9 155.7#



#13
 Acetone
 Concen: 0.816 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VV012190.D
 Acq: 11 Aug 2019 13:58

Tgt Ion: 43 Resp: 726
 Ion Ratio Lower Upper
 43 100
 58 14.0 0.0 63.4





#17

trans-1,2-Dichloroethene

Concen: 1.309 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.01 min

Lab File: VV012190.D

Acq: 11 Aug 2019 13:58

Instrument :

MSVOA_V

ClientSampleId :

F2B06DL

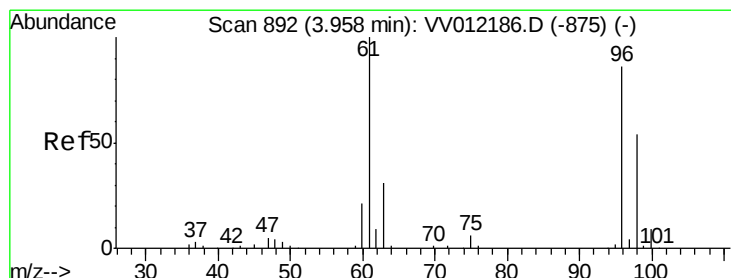
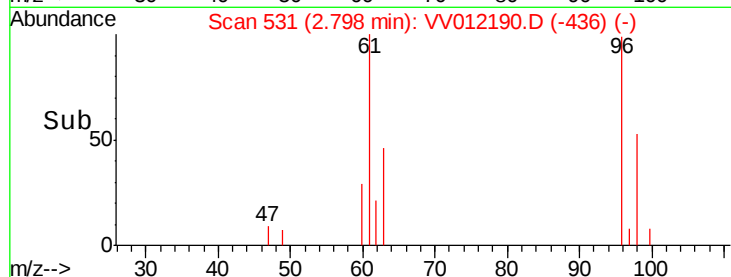
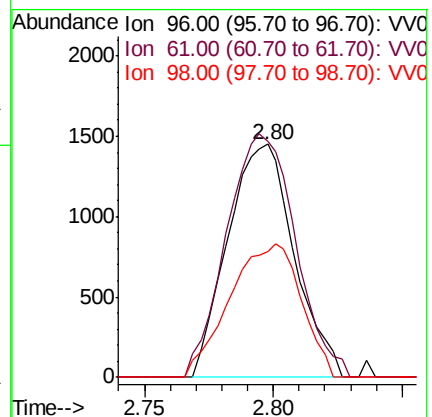
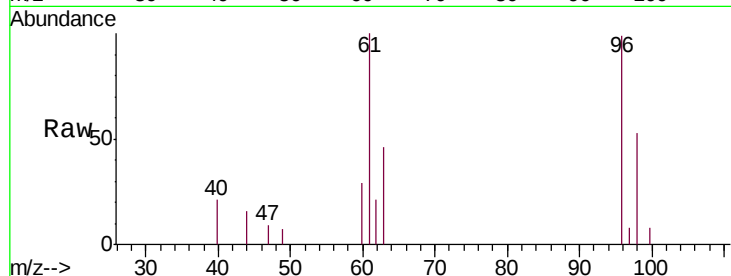
Tgt Ion: 96 Resp: 2610

Ion Ratio Lower Upper

96 100

61 101.4 89.3 165.9

98 54.0 44.7 83.1



#20

cis-1,2-Dichloroethene

Concen: 28.906 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV012190.D

Acq: 11 Aug 2019 13:58

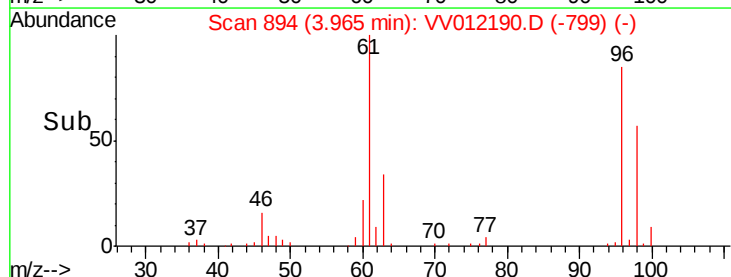
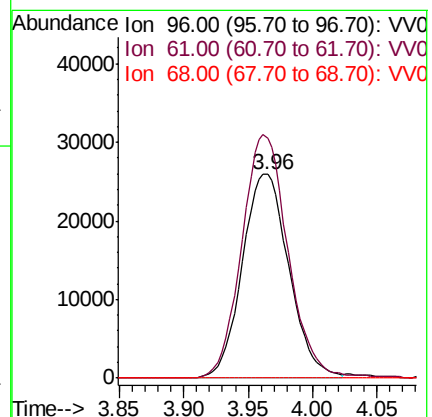
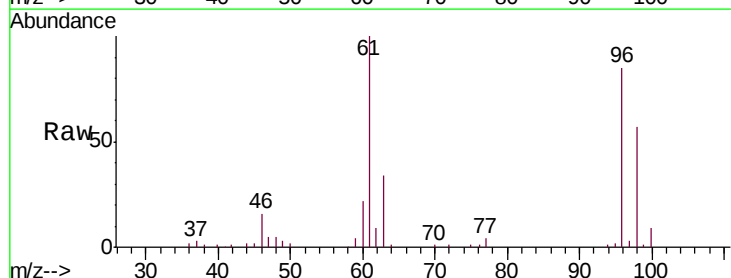
Tgt Ion: 96 Resp: 65477

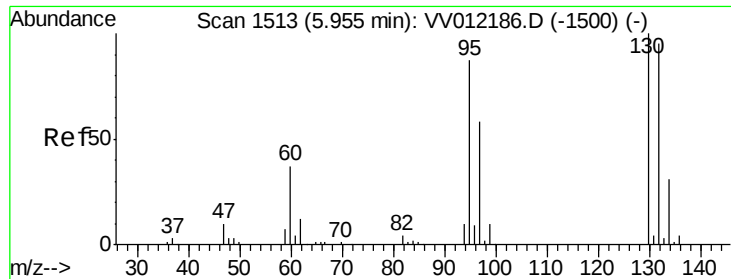
Ion Ratio Lower Upper

96 100

61 117.8 82.9 153.9

68 0.0 0.0 0.0

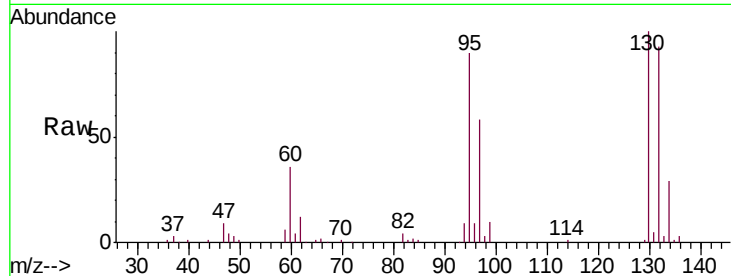




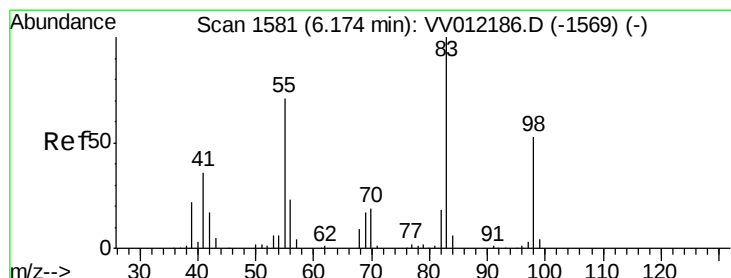
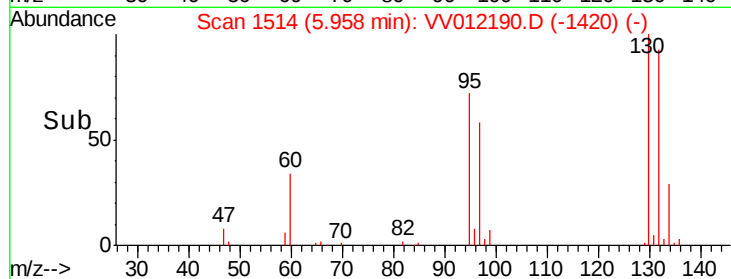
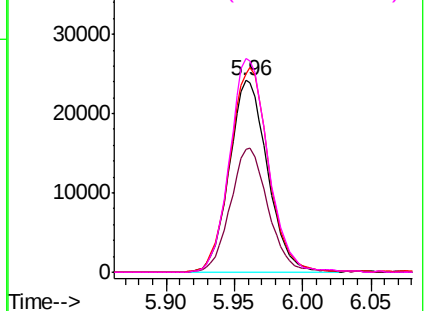
#34
 Trichloroethene
 Concen: 21.225 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012190.D
 Acq: 11 Aug 2019 13:58

Instrument :
 MSVOA_V
 ClientSampleId :
 F2B06DL

Tgt Ion: 95 Resp: 47019
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.7 83.1
 132 103.7 72.7 134.9
 130 111.4 75.9 141.1

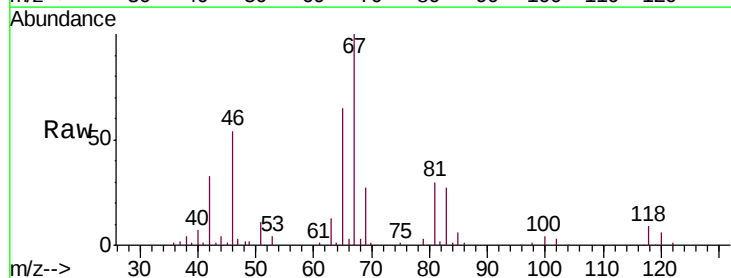


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

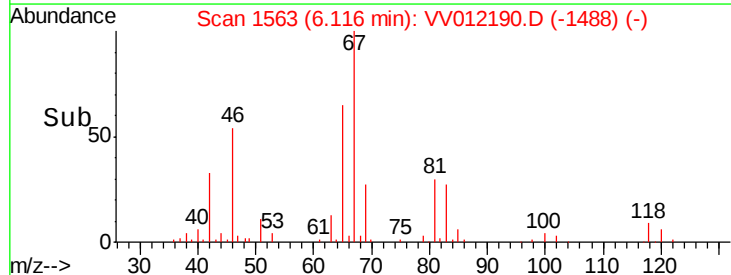
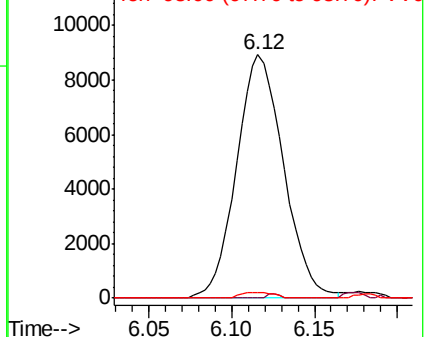


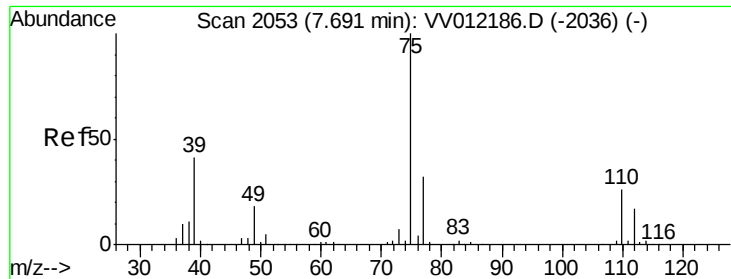
#35
 Methylcyclohexane
 Concen: 5.107 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV012190.D
 Acq: 11 Aug 2019 13:58

Tgt Ion: 83 Resp: 17617
 Ion Ratio Lower Upper
 83 100
 55 0.5 54.9 82.3#
 98 1.7 40.7 61.1#



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

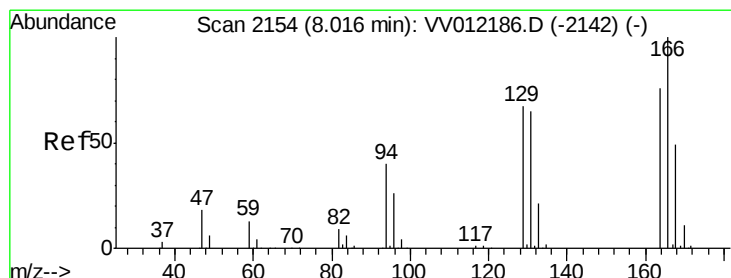
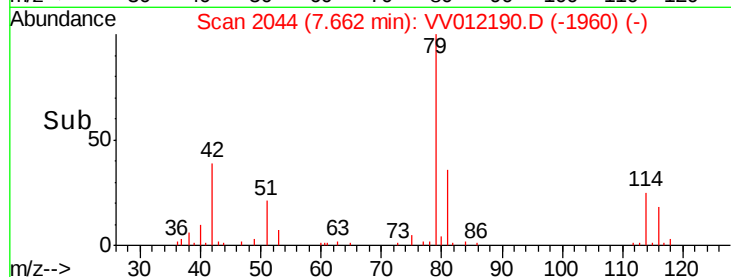
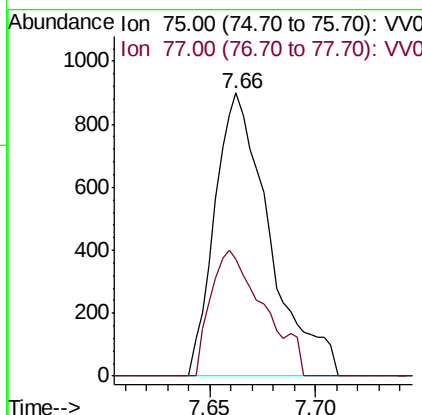
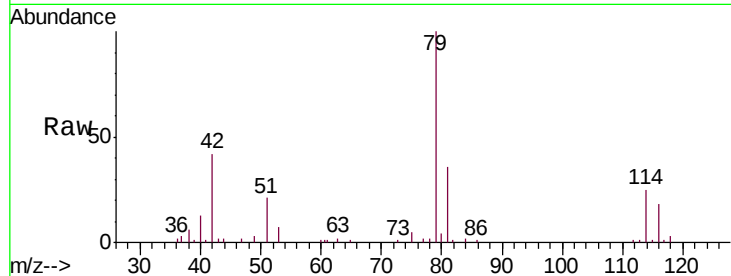




#44
trans-1,3-Dichloropropene
Concen: 0.534 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV012190.D
Acq: 11 Aug 2019 13:58

Instrument :
MSVOA_V
ClientSampleId :
F2B06DL

Tgt Ion: 75 Resp: 1625
Ion Ratio Lower Upper
75 100
77 41.3 22.7 42.3



#46
Tetrachloroethene
Concen: 1.529 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012190.D
Acq: 11 Aug 2019 13:58

Tgt Ion: 164 Resp: 3238
Ion Ratio Lower Upper
164 100
129 96.1 60.6 112.6
131 88.7 59.5 110.5
166 126.6 87.2 161.9

