

Data File : VV012164.D
Acq On : 09 Aug 2019 21:36
Operator : SY/MD
Sample : K4248-01
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2B02

Quant Time: Aug 10 05:10:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 05:07:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	286385	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	261504	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	114299	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52817	50.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.26%
7) Chloroethane-d5	1.58	69	35386	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.34%
11) 1,1-Dichloroethene-d2	2.13	63	70877	35.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.18%
21) 2-Butanone-d5	3.93	46	34821	66.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	66.84%
24) Chloroform-d	4.40	84	100326	45.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.68%
26) 1,2-Dichloroethane-d4	5.08	65	66429	52.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.84%
32) Benzene-d6	5.10	84	212648	52.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.90%
36) 1,2-Dichloropropane-d6	6.12	67	56483	51.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.42%
41) Toluene-d8	7.36	98	194557	50.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.76%
43) trans-1,3-Dichloropropene-	7.66	79	28262	47.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.58%
47) 2-Hexanone-d5	8.13	63	38398	91.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	76088	50.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.64%
64) 1,2-Dichlorobenzene-d4	11.67	152	72208	53.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.90%

Target Compounds

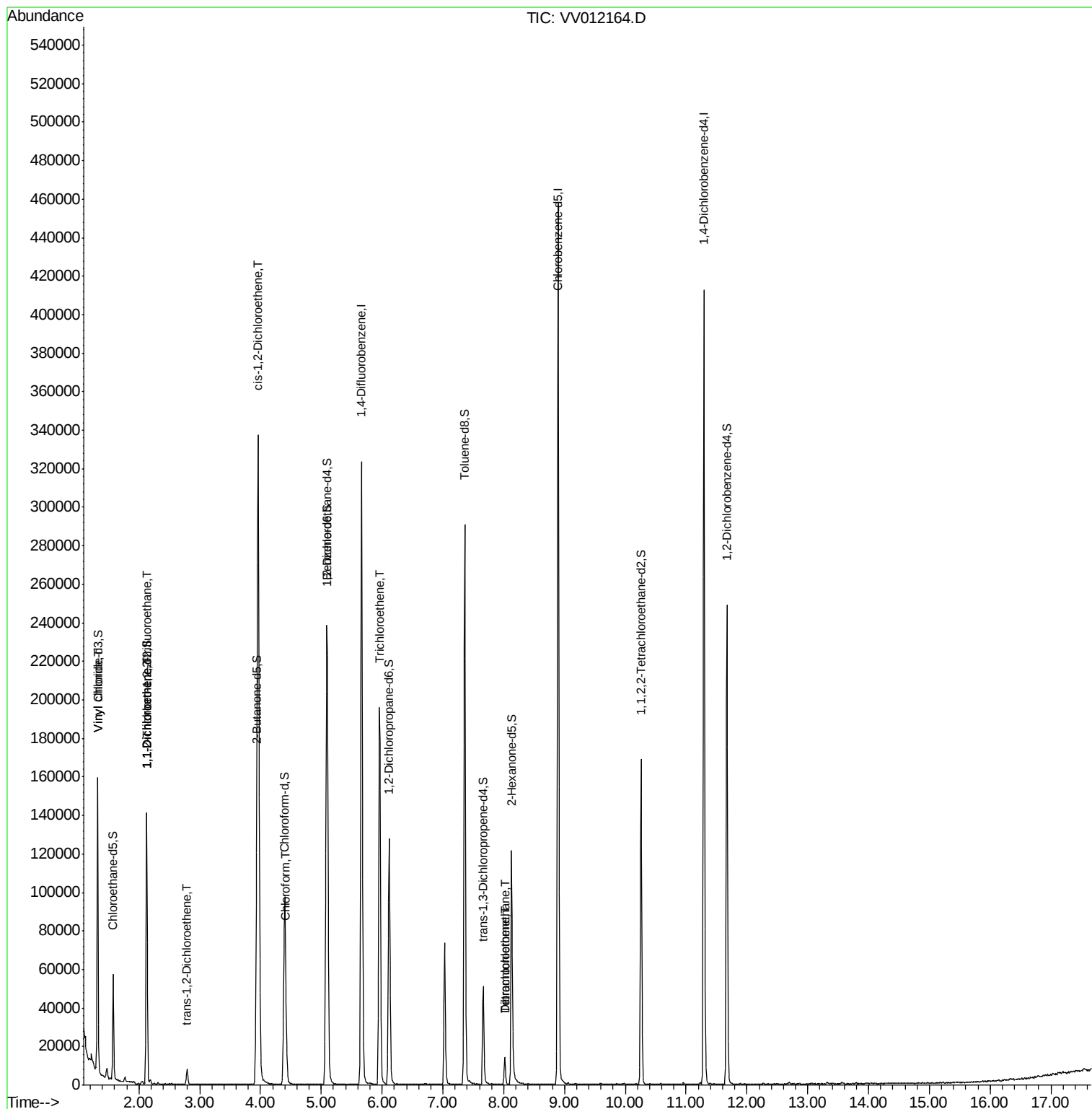
						Qvalue
5) Vinyl chloride	1.32	62	43973	27.772	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	799	0.633	ug/L #	14
12) 1,1-Dichloroethene	2.12	96	990	0.852	ug/L #	1
17) trans-1,2-Dichloroethene	2.79	96	3057	1.803	ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	193045	100.240	ug/L	98
25) Chloroform	4.42	83	6620	1.977	ug/L	97
34) Trichloroethene	5.96	95	66283	36.739	ug/L	95
46) Tetrachloroethene	8.02	164	3594	2.084	ug/L	94
49) Dibromochloromethane	8.02	129	3082	1.384	ug/L #	11

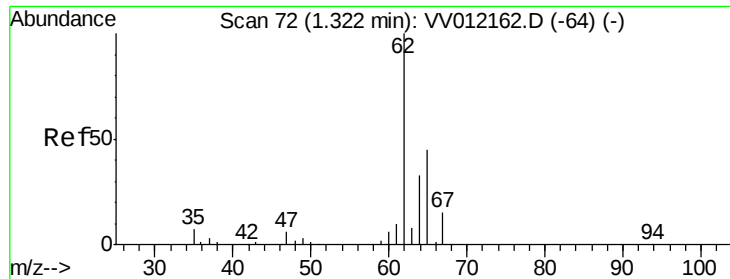
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 27.772 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

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Acq: 09 Aug 2019 21:36

Instrument :

MSVOA_V

ClientSampleId :

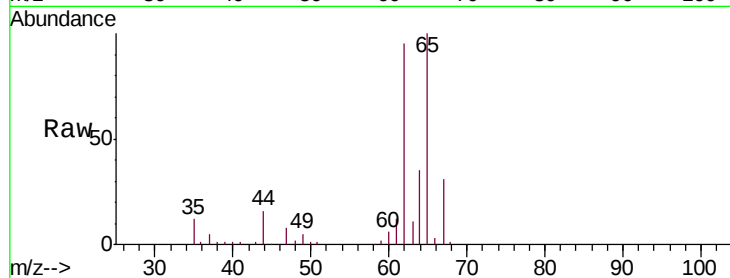
F2B02

Tgt Ion: 62 Resp: 43973

Ion Ratio Lower Upper

62 100

64 36.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV012162.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV012164.D (-232) (-)

1.32

40000

30000

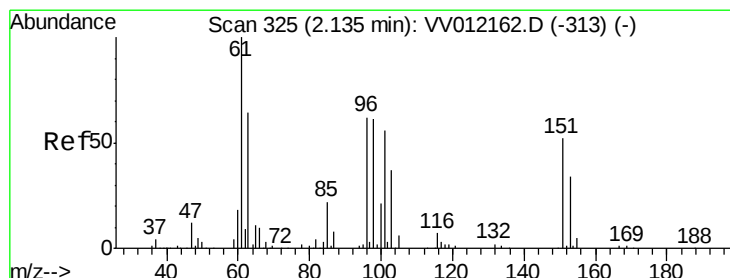
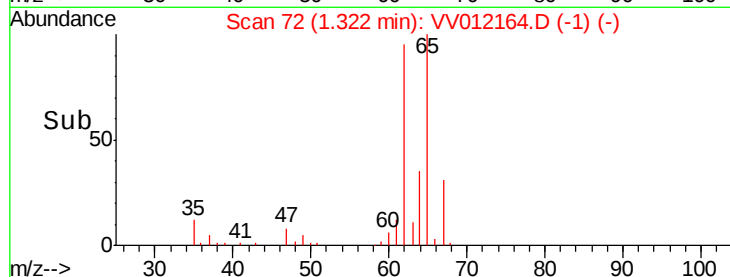
20000

10000

0

Time-->

1.30 1.35



#10

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

Concen: 0.633 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012164.D

Acq: 09 Aug 2019 21:36

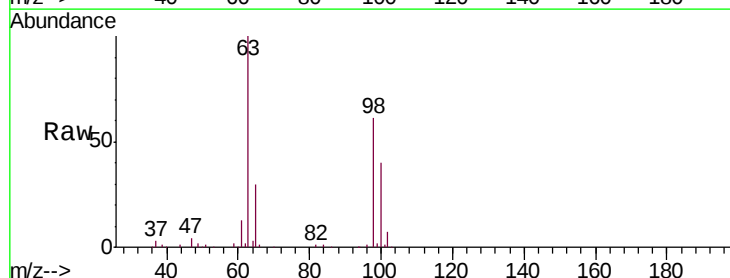
Tgt Ion: 101 Resp: 799

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): VV012162.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV012164.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV012164.D (-232) (-)

2.13

800

600

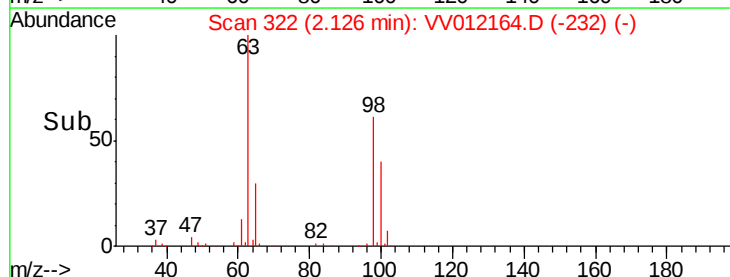
400

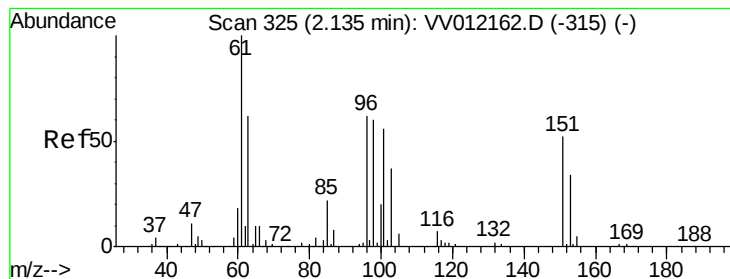
200

0

Time-->

2.10 2.12 2.14 2.16





#12

1,1-Dichloroethene

Concen: 0.852 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV012164.D

Acq: 09 Aug 2019 21:36

Instrument :

MSVOA_V

ClientSampled :

F2B02

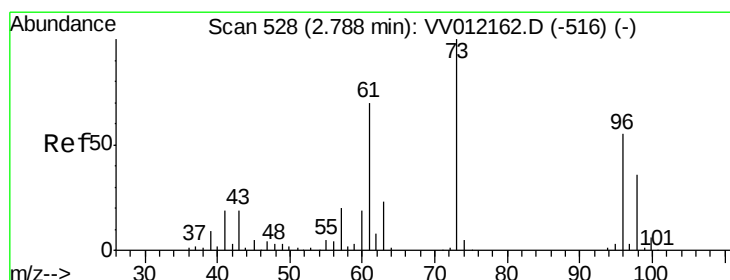
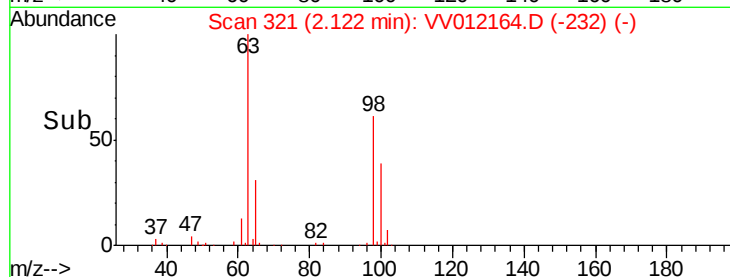
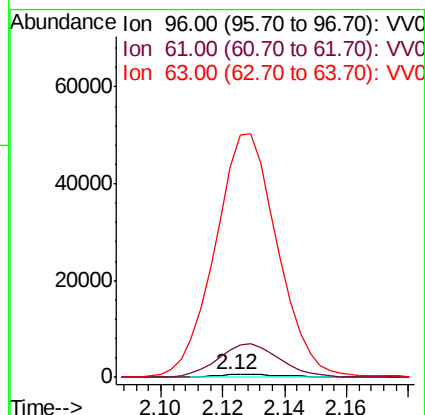
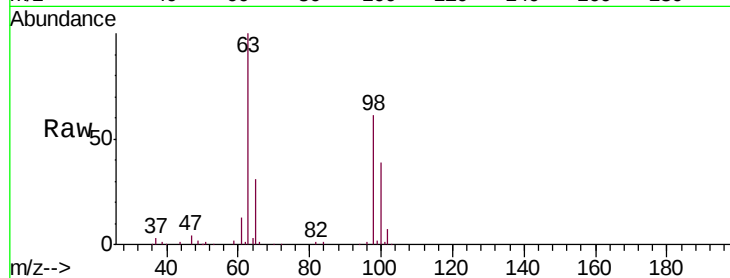
Tgt Ion: 96 Resp: 990

Ion Ratio Lower Upper

96 100

61 1080.0 115.1 213.8#

63 8152.8 83.9 155.7#



#17

trans-1,2-Dichloroethene

Concen: 1.803 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV012164.D

Acq: 09 Aug 2019 21:36

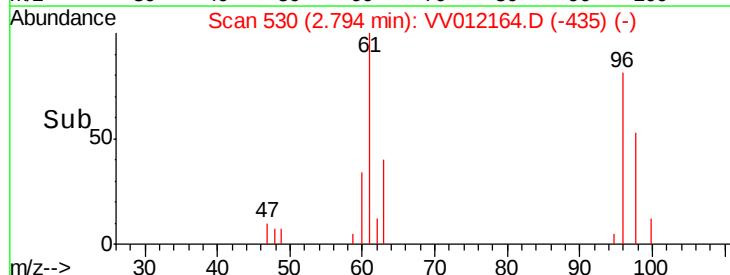
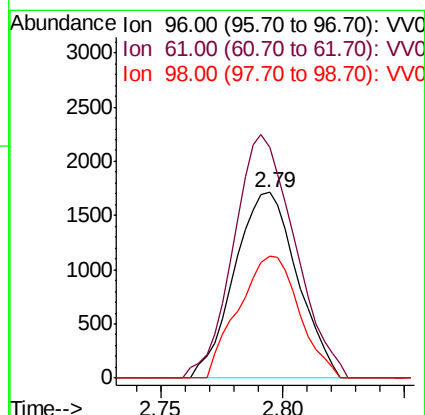
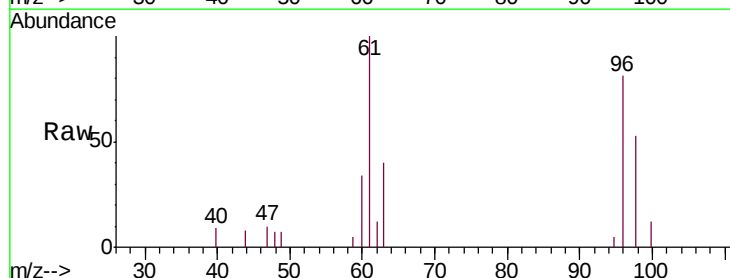
Tgt Ion: 96 Resp: 3057

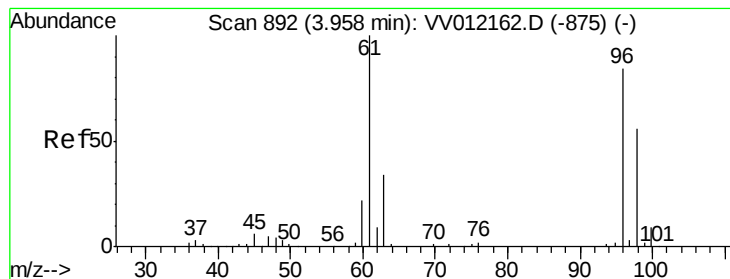
Ion Ratio Lower Upper

96 100

61 124.2 89.3 165.9

98 66.0 44.7 83.1



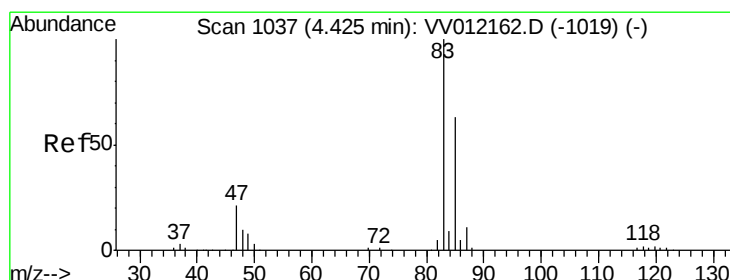
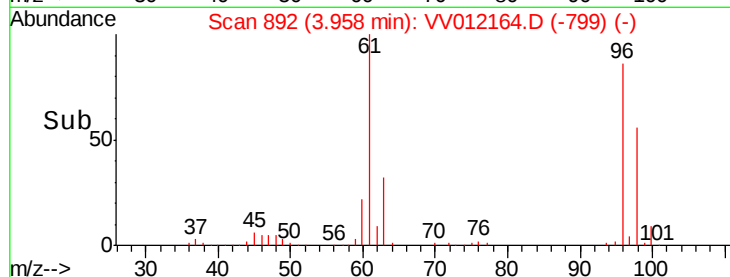
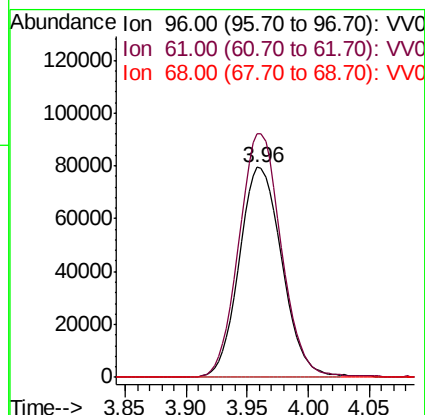
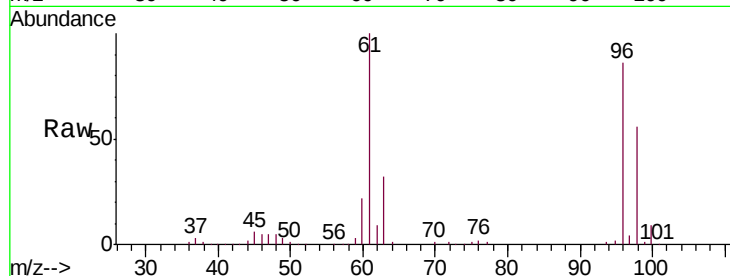


#20

cis-1,2-Dichloroethene
 Concen: 100.240 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012164.D
 Acq: 09 Aug 2019 21:36

Instrument :
 MSVOA_V
 ClientSampled :
 F2B02

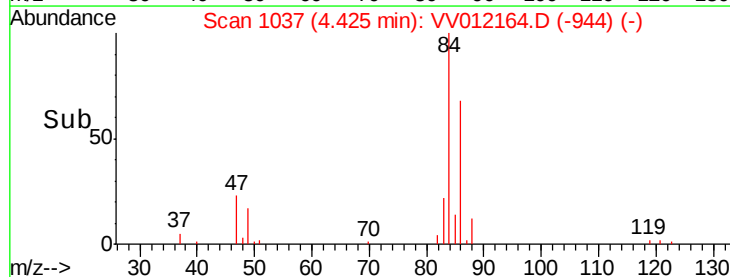
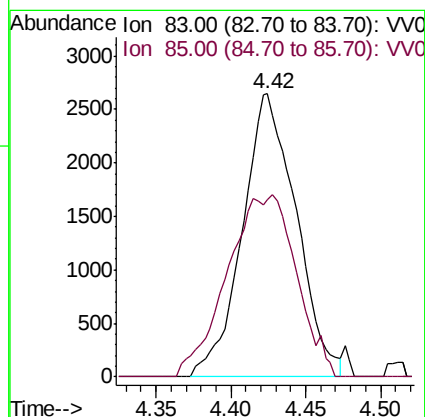
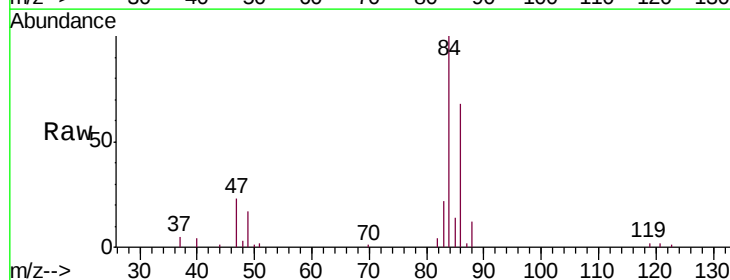
Tgt Ion: 96 Resp: 193045
 Ion Ratio Lower Upper
 96 100
 61 116.1 82.9 153.9
 68 0.0 0.0 0.0

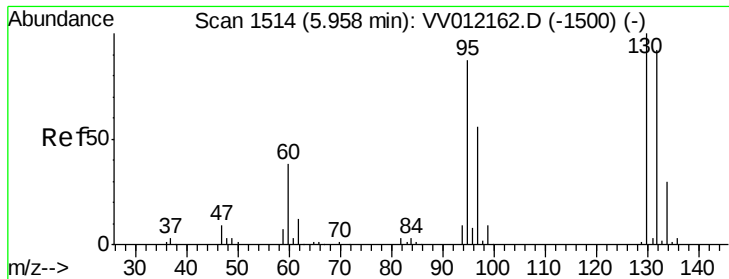


#25

Chloroform
 Concen: 1.977 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012164.D
 Acq: 09 Aug 2019 21:36

Tgt Ion: 83 Resp: 6620
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.7 84.9

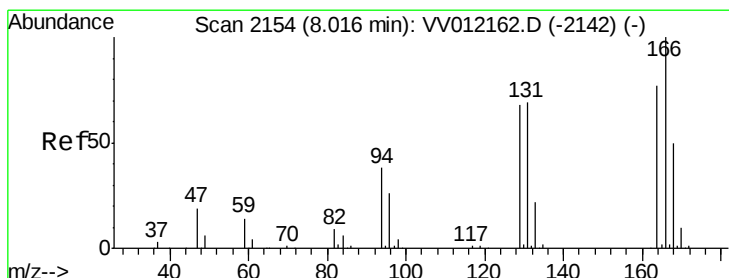
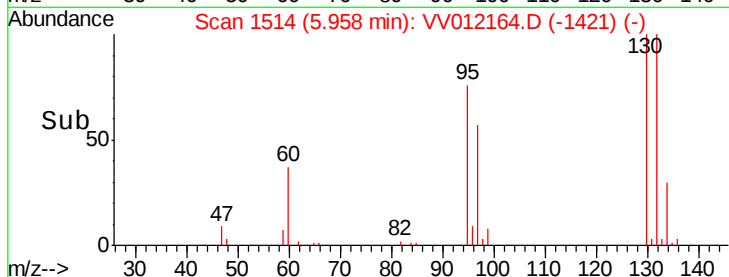
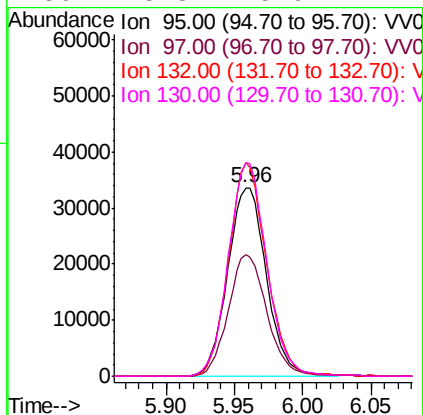
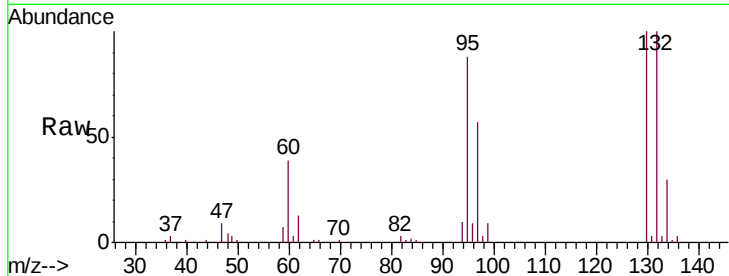




#34
 Trichloroethene
 Concen: 36.739 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012164.D
 Acq: 09 Aug 2019 21:36

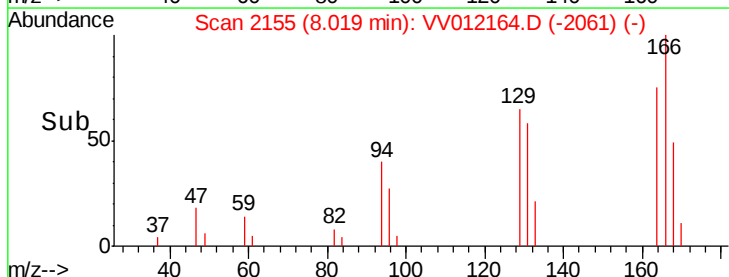
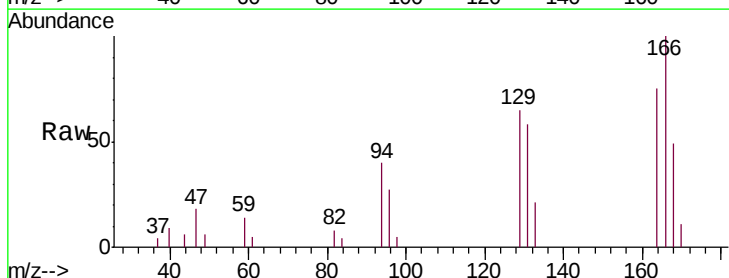
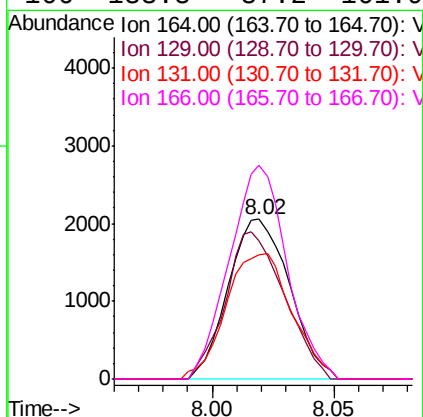
Instrument :
 MSVOA_V
 ClientSampleId :
 F2B02

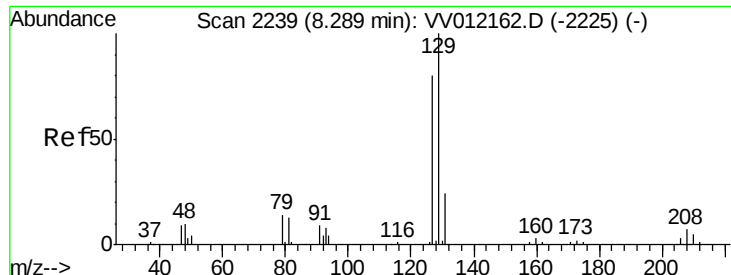
Tgt Ion: 95 Resp: 66283
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.7 83.1
 132 113.2 72.7 134.9
 130 113.3 75.9 141.1



#46
 Tetrachloroethene
 Concen: 2.084 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012164.D
 Acq: 09 Aug 2019 21:36

Tgt Ion: 164 Resp: 3594
 Ion Ratio Lower Upper
 164 100
 129 86.6 60.6 112.6
 131 77.9 59.5 110.5
 166 133.8 87.2 161.9





#49

Dibromochloromethane

Concen: 1.384 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012164.D

Acq: 09 Aug 2019 21:36

Instrument :

MSVOA_V

ClientSampleId :

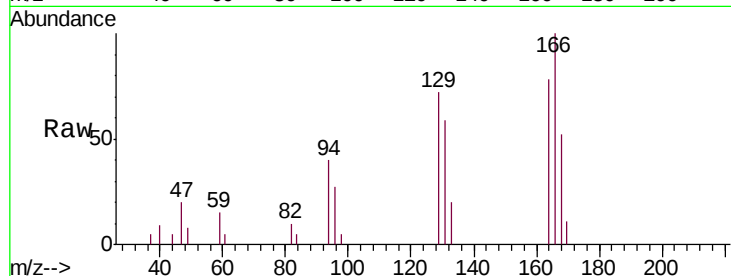
F2B02

Tgt Ion:129 Resp: 3082

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

