

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022020\
 Data File : VV014626.D
 Acq On : 20 Feb 2020 16:13
 Operator : SY/MD
 Sample : L1607-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AN5

Quant Time: Feb 21 04:14:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 21 03:31:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	263394	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	240868	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	118683	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54286	53.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.34%
7) Chloroethane-d5	1.58	69	39903	56.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.18%
11) 1,1-Dichloroethene-d2	2.13	63	75866	44.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.90%
21) 2-Butanone-d5	3.93	46	93490	111.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.46%
24) Chloroform-d	4.40	84	153929	52.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.36%
26) 1,2-Dichloroethane-d4	5.08	65	104132	56.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.82%
32) Benzene-d6	5.10	84	328788	57.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.16%
36) 1,2-Dichloropropane-d6	6.12	67	100303	57.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.62%
41) Toluene-d8	7.35	98	307073	55.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.82%
43) trans-1,3-Dichloropropene-	7.66	79	52170	54.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.06%
47) 2-Hexanone-d5	8.13	63	77070	111.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.17%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	129266	54.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.78%
64) 1,2-Dichlorobenzene-d4	11.67	152	120202	57.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.64%

Target Compounds

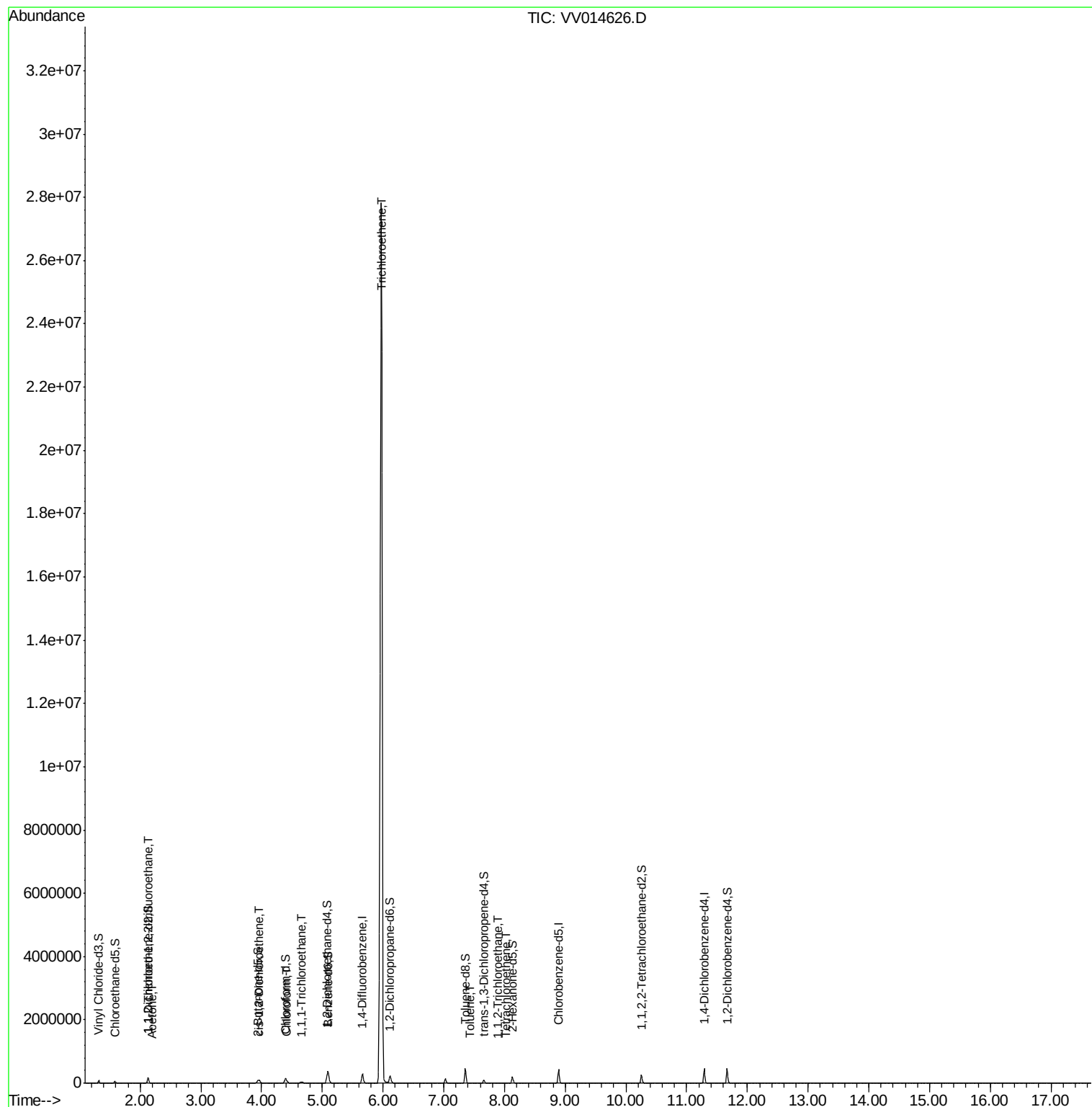
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	10480	12.060	ug/L	97
13) Acetone	2.19	43	1739	2.417	ug/L	81
20) cis-1,2-Dichloroethene	3.96	96	36350	19.731	ug/L	98
25) Chloroform	4.42	83	11981	3.875	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	35787	13.658	ug/L	99
34) Trichloroethene	5.97	95	10402821	6095.793	ug/L	97
42) Toluene	7.43	91	7240	1.050	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	2247	1.393	ug/L	84
46) Tetrachloroethene	8.02	164	2032	1.514	ug/L	91

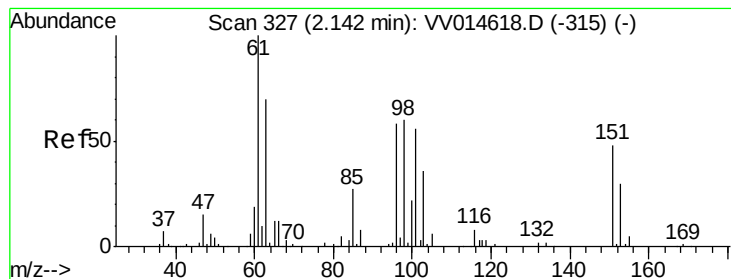
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Feb 21 03:31:59 2020
Response via : Initial Calibration





#10

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

Concen: 12.060 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014626.D

Acq: 20 Feb 2020 16:13

Instrument :

MSVOA_V

ClientSampled :

C0AN5

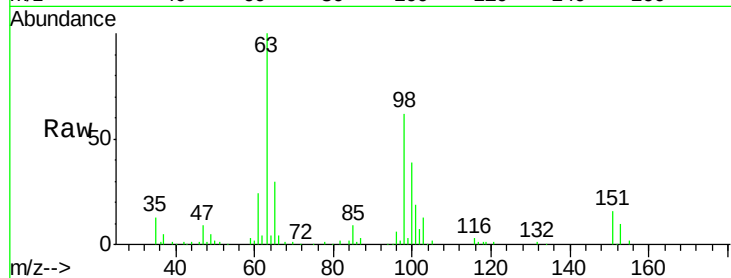
Tot Ion:101 Resp: 10480

Ion Ratio Lower Upper

101 100

85 47.3 35.4 53.0

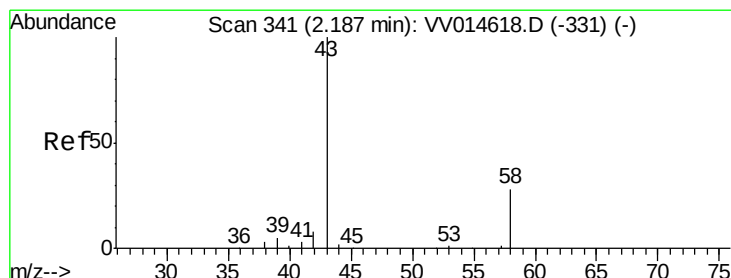
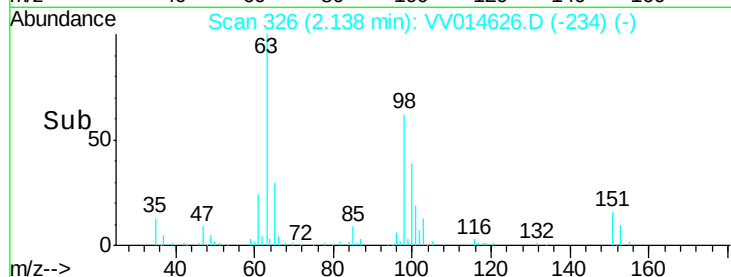
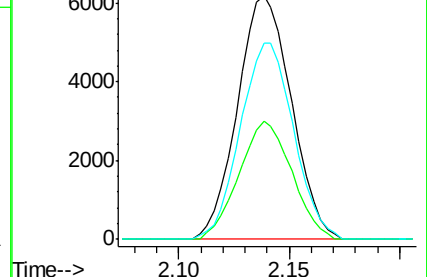
151 79.7 65.4 98.2



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



#13

Acetone

Concen: 2.417 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV014626.D

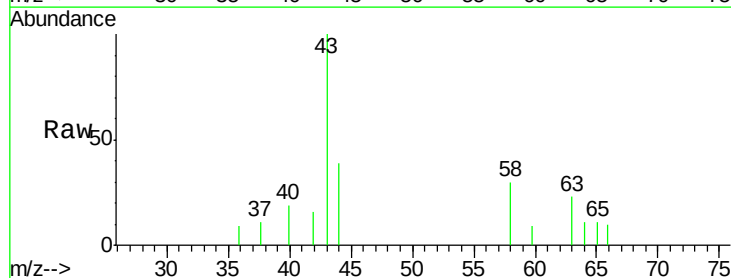
Acq: 20 Feb 2020 16:13

Tgt Ion: 43 Resp: 1739

Ion Ratio Lower Upper

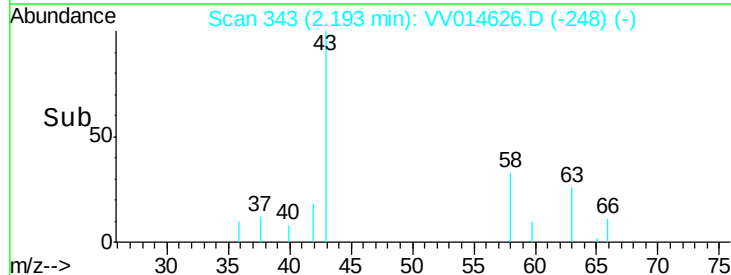
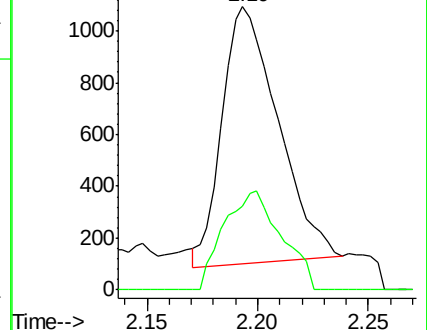
43 100

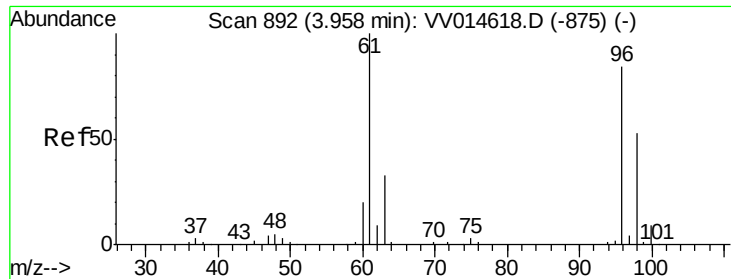
58 39.5 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

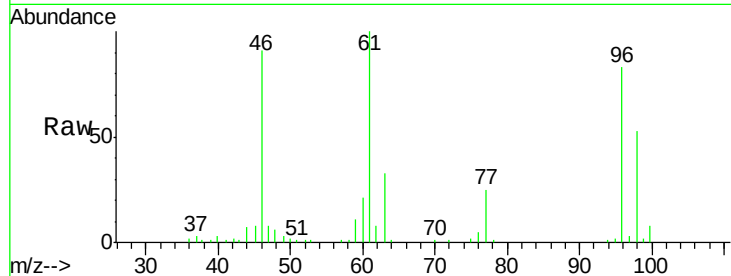




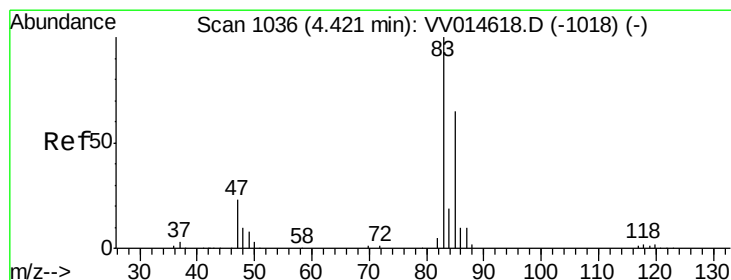
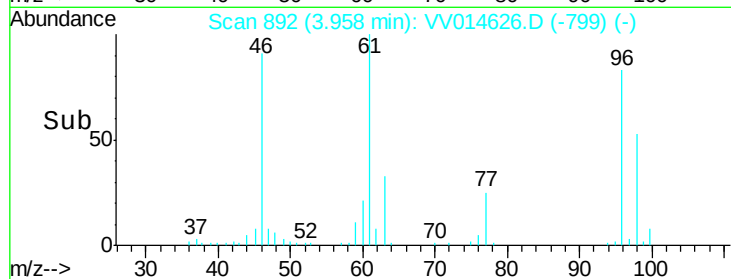
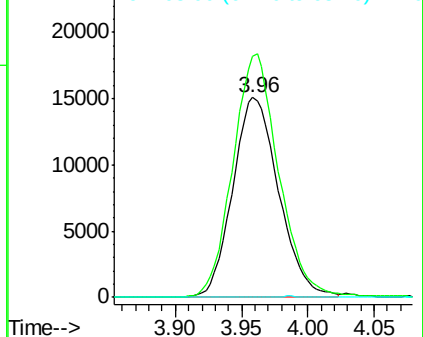
#20
 cis-1,2-Dichloroethene
 Concen: 19.731 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV014626.D
 Acq: 20 Feb 2020 16:13

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AN5

Tot Ion: 96 Resp: 36350
 Ion Ratio Lower Upper
 96 100
 61 120.9 85.9 159.5
 68 0.0 0.0 0.0

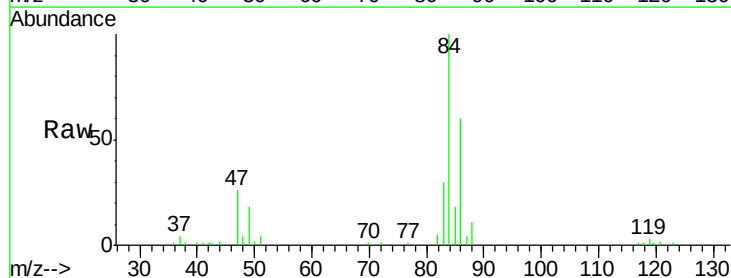


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

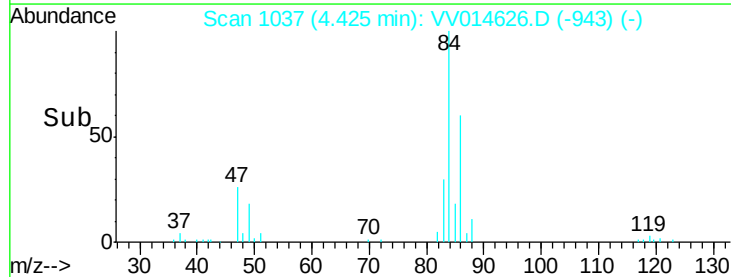
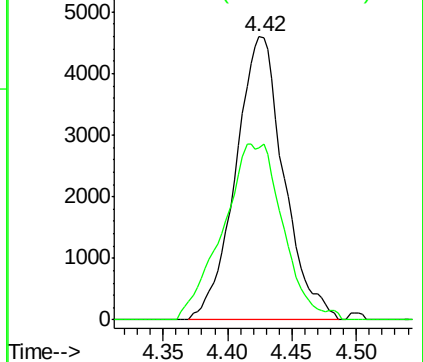


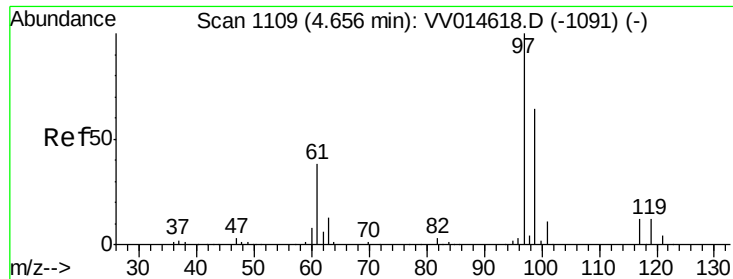
#25
 Chloroform
 Concen: 3.875 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV014626.D
 Acq: 20 Feb 2020 16:13

Tgt Ion: 83 Resp: 11981
 Ion Ratio Lower Upper
 83 100
 85 60.9 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0



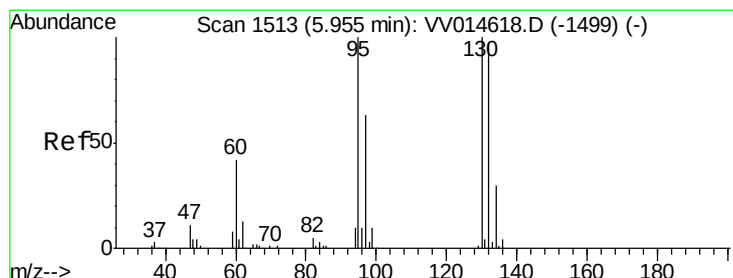
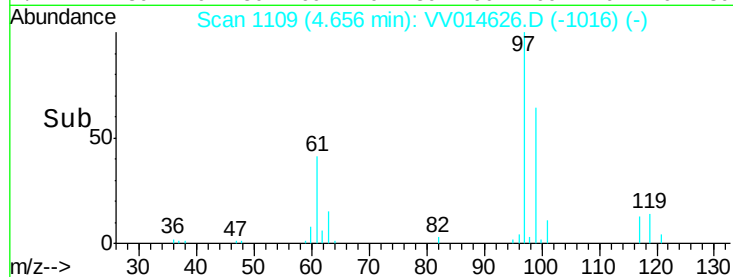
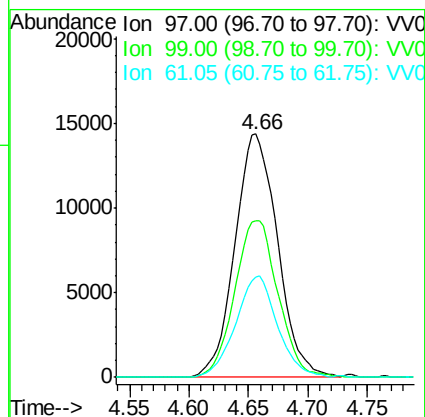
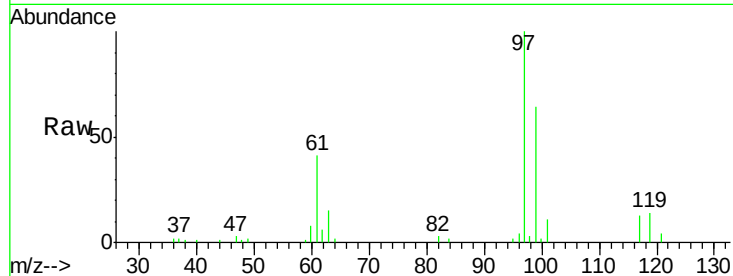


#30
 1,1,1-Trichloroethane
 Concen: 13.658 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV014626.D
 Acq: 20 Feb 2020 16:13

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AN5

Tot Ion: 97 Resp: 35787

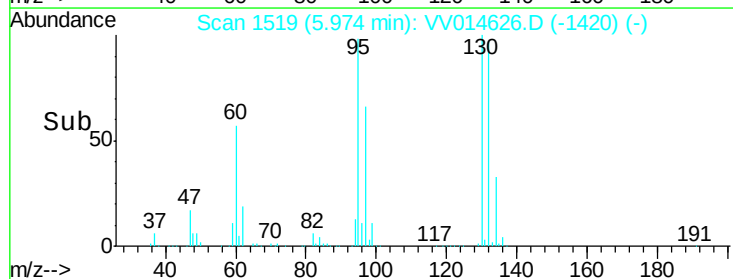
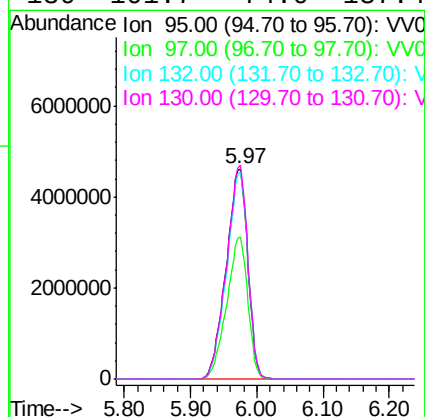
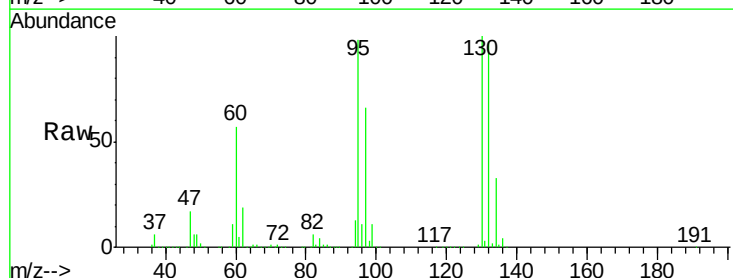
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.2	76.8
61	40.7	32.4	48.6

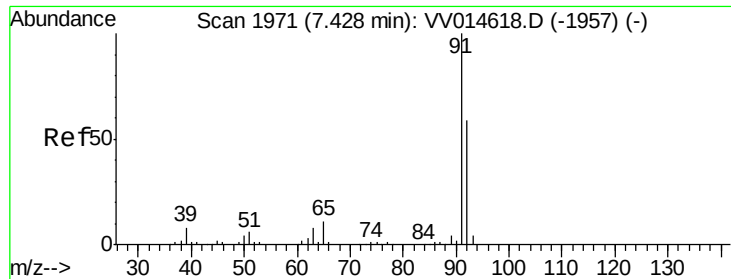


#34
 Trichloroethene
 Concen: 6095.793 ug/L
 RT: 5.97 min Scan# 1519
 Delta R.T. 0.02 min
 Lab File: VV014626.D
 Acq: 20 Feb 2020 16:13

Tgt Ion: 95 Resp:10402821

Ion	Ratio	Lower	Upper
95	100		
97	67.6	45.3	84.1
132	98.7	69.6	129.2
130	101.7	74.0	137.4





#42

Toluene

Concen: 1.050 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV014626.D

Acq: 20 Feb 2020 16:13

Instrument :

MSVOA_V

ClientSampleId :

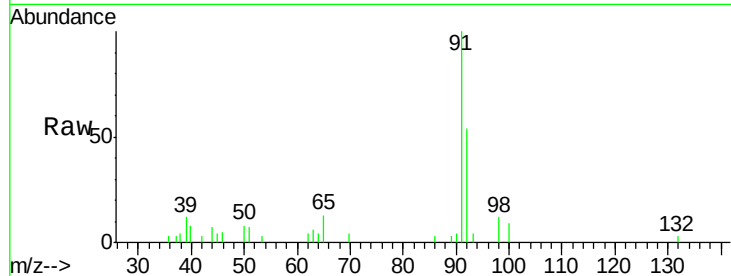
C0AN5

Tot Ion: 91 Resp: 7240

Ion Ratio Lower Upper

91 100

92 54.1 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV014618.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV014618.D (-1957) (-)

7.43

4000

3000

2000

1000

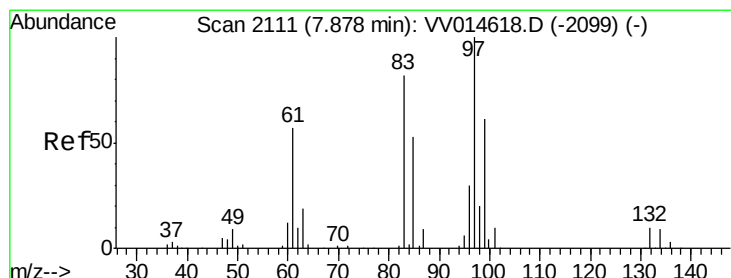
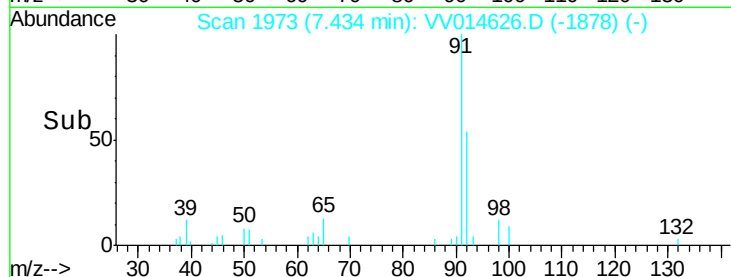
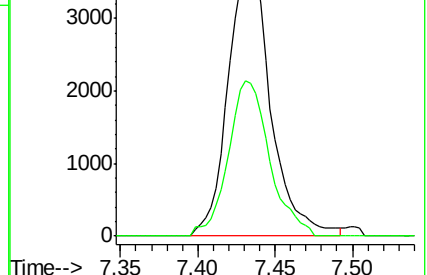
0

7.35

7.40

7.45

7.50



#45

1,1,2-Trichloroethane

Concen: 1.393 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV014626.D

Acq: 20 Feb 2020 16:13

Tgt Ion: 97 Resp: 2247

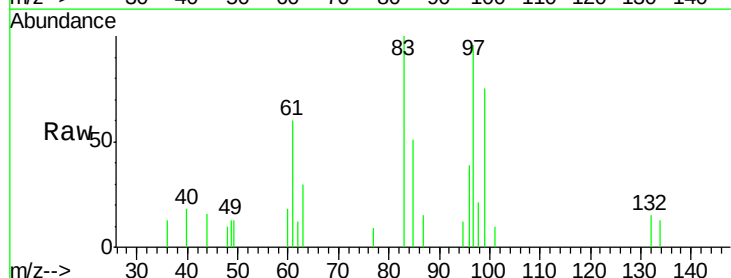
Ion Ratio Lower Upper

97 100

99 78.2 44.9 83.3

83 104.0 57.5 106.7

85 53.0 37.5 69.7



Abundance Ion 97.00 (96.70 to 97.70): VV014618.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV014618.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV014618.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV014618.D (-2099) (-)

7.88

1500

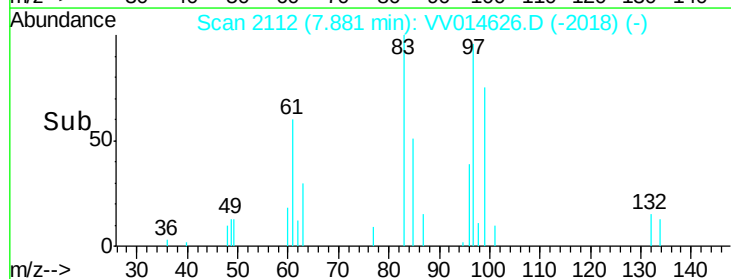
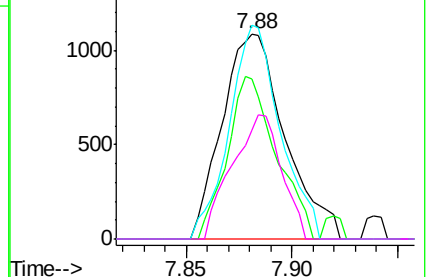
1000

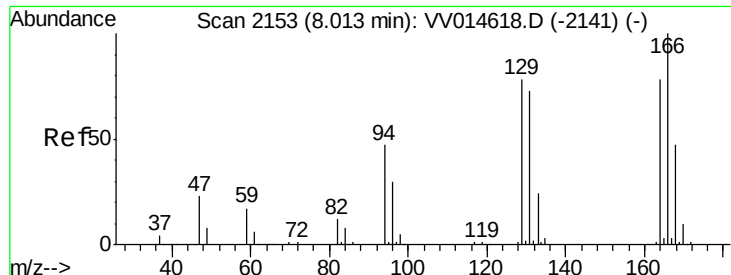
500

0

7.85

7.90





#46

Tetrachloroethene

Concen: 1.514 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014626.D

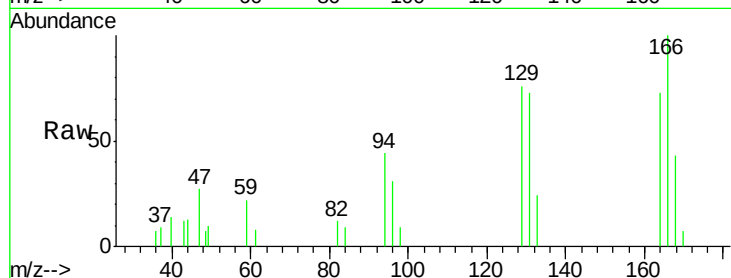
Acq: 20 Feb 2020 16:13

Instrument :

MSVOA_V

ClientSampleId :

C0AN5



Tot Ion:164 Resp: 2032

Ion Ratio Lower Upper

164 100

129 104.2 67.8 126.0

131 100.5 64.5 119.9

166 137.7 88.6 164.6

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

