

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
 Data File : VV010020.D
 Acq On : 30 Mar 2019 15:25
 Operator : SY/MD
 Sample : K2166-03
 Misc : 6.65G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF105

Quant Time: Mar 30 23:35:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	161408	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	165659	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66353	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68902	21.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.16%
7) Chloroethane-d5	1.57	69	79319	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
10) 1,1-Dichloroethene-d2	2.12	63	150181	16.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.04%
20) 2-Butanone-d5	3.94	46	29865	48.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.86%
24) Chloroform-d	4.40	84	81207	19.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.00%
26) 1,2-Dichloroethane-d4	5.08	65	63881	25.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.24%
29) Benzene-d6	5.10	84	211664	24.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.32%
33) 1,2-Dichloropropane-d6	6.12	67	67445	26.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.00%
37) Toluene-d8	7.36	98	181978	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.40%
38) trans-1,3-Dichloropropene-	7.66	79	20250	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.80%
39) 2-Hexanone-d5	8.13	63	23232	48.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57913	22.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.92%
61) 1,2-Dichlorobenzene-d4	11.68	152	63459	25.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.48%

Target Compounds

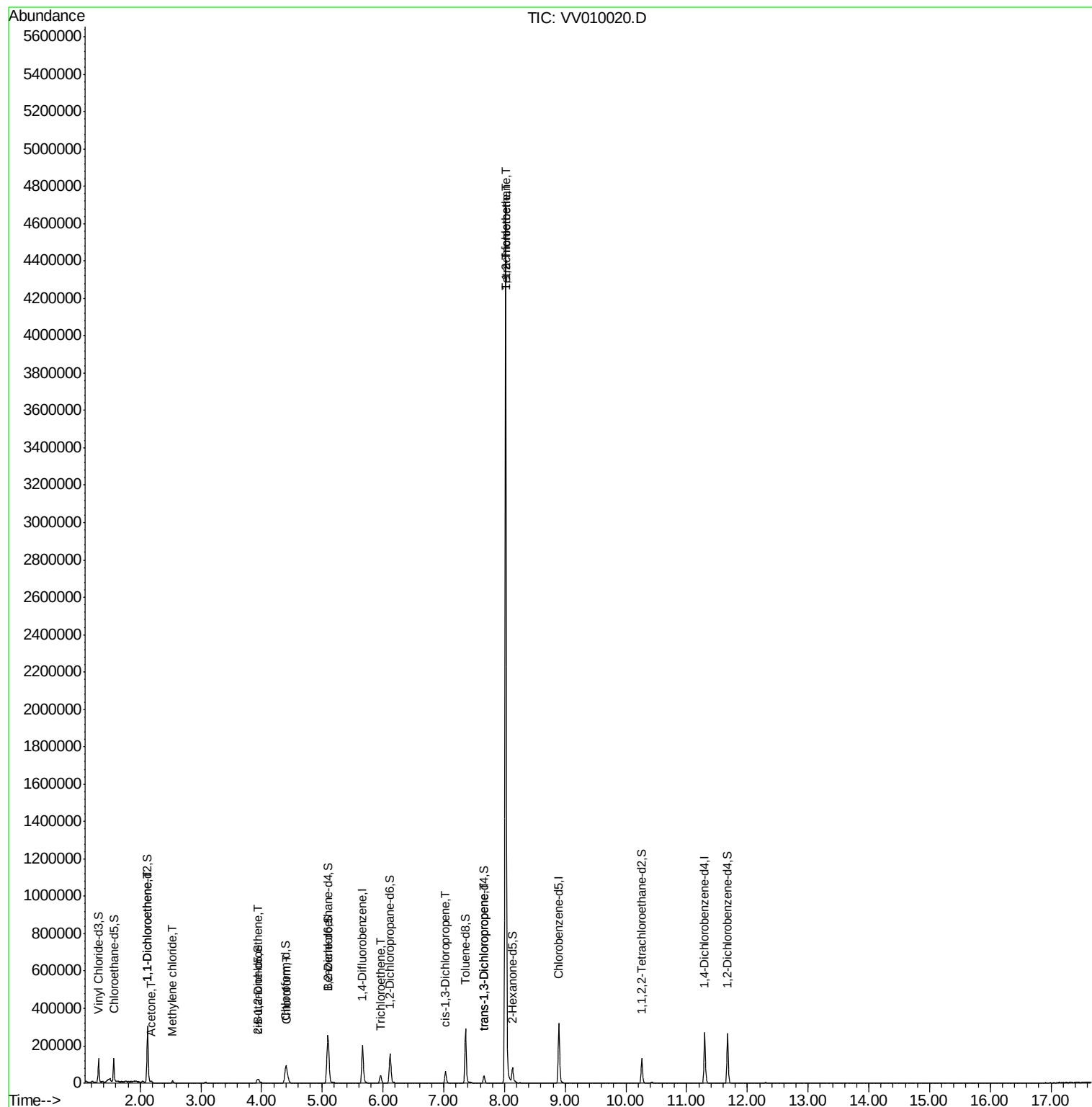
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	2651	0.671	ug/L #	1
13) Acetone	2.18	43	2261	2.447	ug/L	98
16) Methylene chloride	2.53	84	4749	1.787	ug/L	93
22) cis-1,2-Dichloroethene	3.95	96	1157	0.495	ug/L	93
25) Chloroform	4.42	83	30768	7.195	ug/L	99
35) Trichloroethene	5.96	95	12537	5.225	ug/L	97
42) cis-1,3-Dichloropropene	7.03	75	2109	0.636	ug/L	89
45) trans-1,3-Dichloropropene	7.67	75	1305	0.481	ug/L	95
46) 1,1,2-Trichloroethane	8.02	97	8582	4.565	ug/L #	7
47) Tetrachloroethene	8.02	164	872982	461.043	ug/L	97

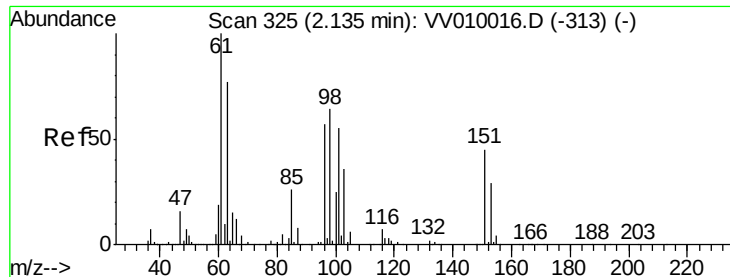
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 30 23:35:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 23:31:11 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.671 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV010020.D

Acq: 30 Mar 2019 15:25

Instrument :

MSVOA_V

ClientSampleID :

BF105

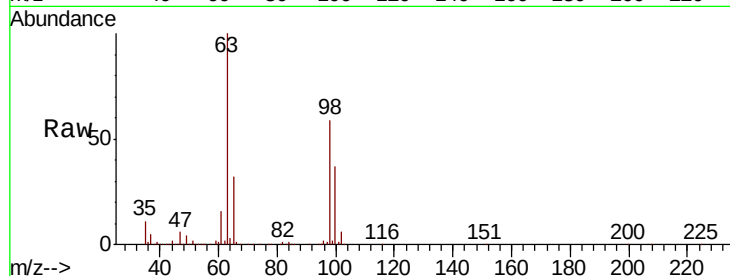
Tgt Ion: 96 Resp: 2651

Ion Ratio Lower Upper

96 100

61 836.5 124.3 230.8#

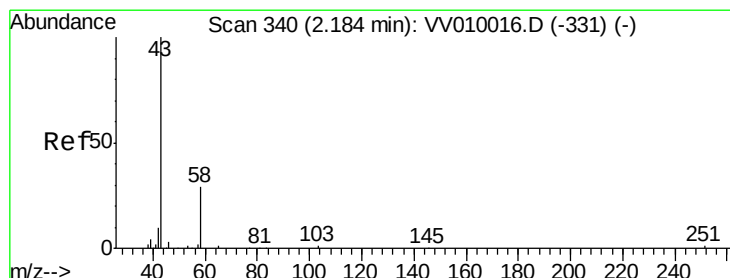
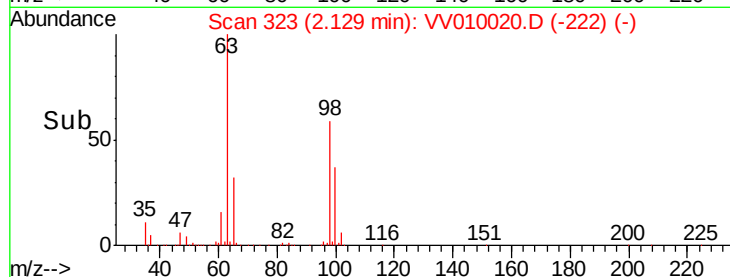
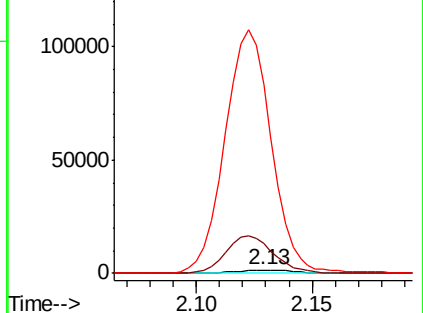
63 5384.6 88.2 163.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 2.447 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV010020.D

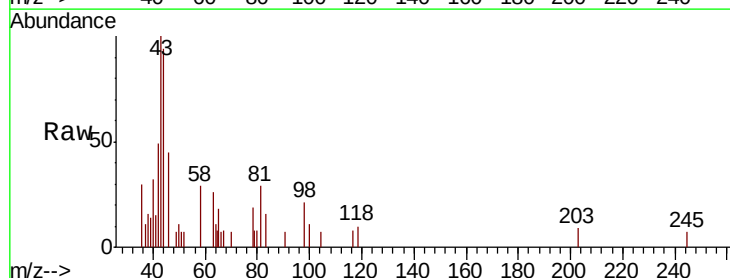
Acq: 30 Mar 2019 15:25

Tgt Ion: 43 Resp: 2261

Ion Ratio Lower Upper

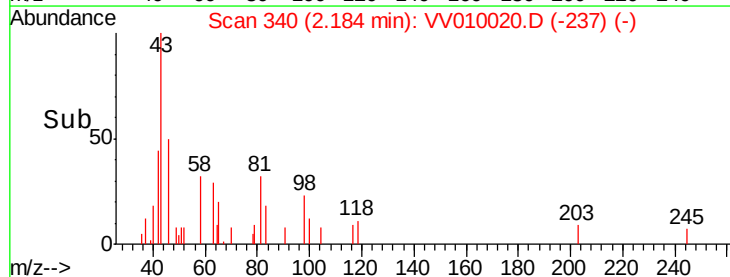
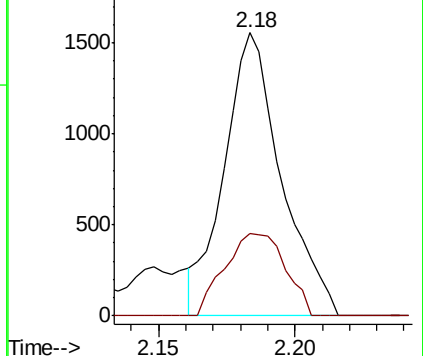
43 100

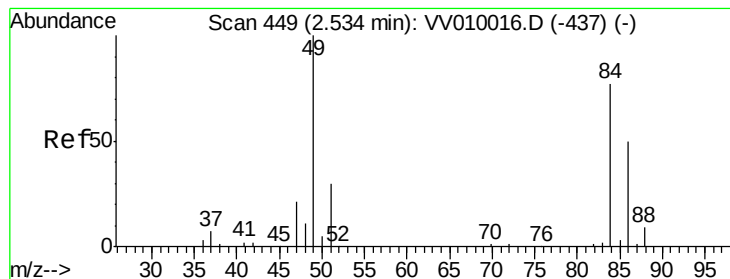
58 30.9 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#16

Methylene chloride

Concen: 1.787 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010020.D

Acq: 30 Mar 2019 15:25

Instrument :

MSVOA_V

ClientSampled :

BF105

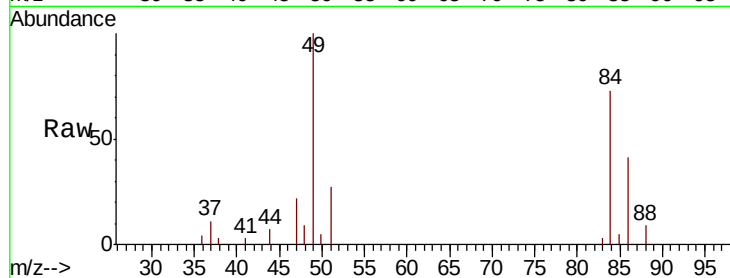
Tgt Ion: 84 Resp: 4749

Ion Ratio Lower Upper

84 100

49 136.3 90.4 167.8

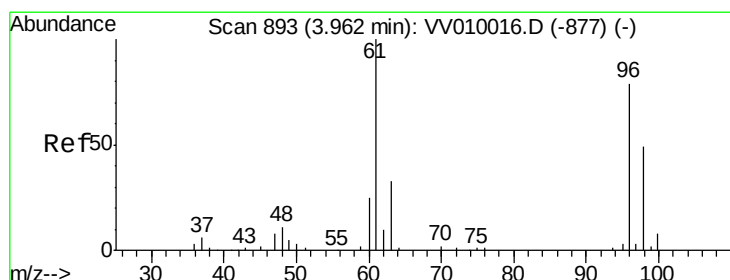
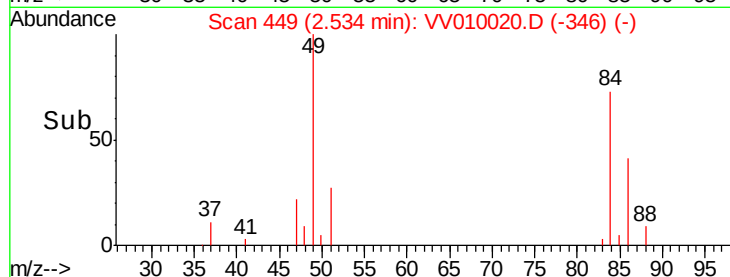
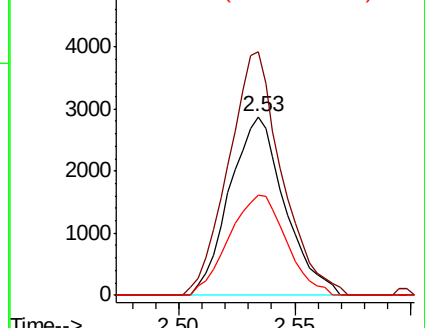
86 56.3 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV010016.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV010016.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010016.D (-437) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.495 ug/L

RT: 3.95 min Scan# 890

Delta R.T. -0.01 min

Lab File: VV010020.D

Acq: 30 Mar 2019 15:25

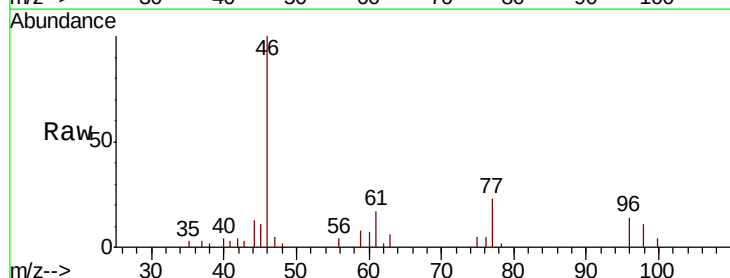
Tgt Ion: 96 Resp: 1157

Ion Ratio Lower Upper

96 100

61 127.8 91.4 169.8

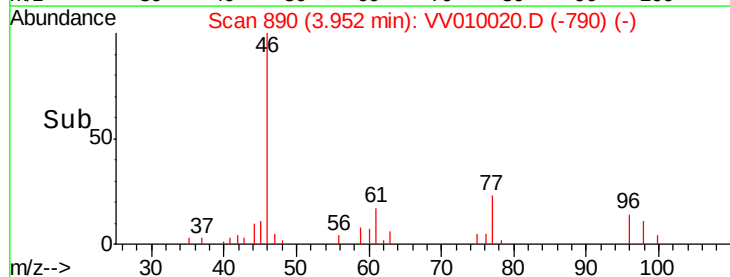
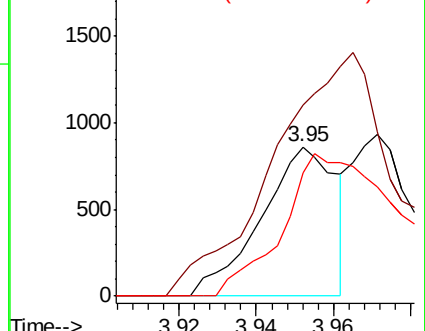
98 82.6 48.0 89.2

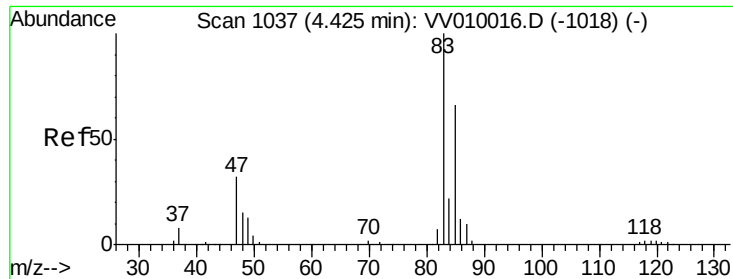


Abundance Ion 96.00 (95.70 to 96.70): VV010016.D (-877) (-)

Ion 61.00 (60.70 to 61.70): VV010016.D (-877) (-)

Ion 98.00 (97.70 to 98.70): VV010016.D (-877) (-)

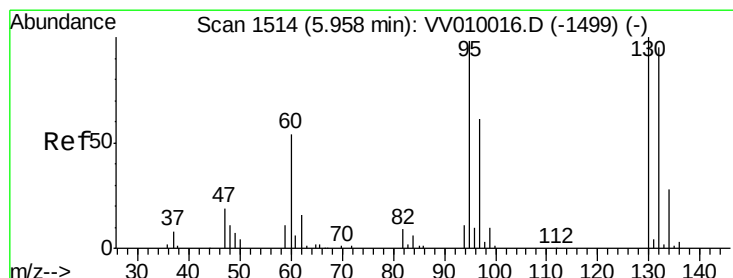
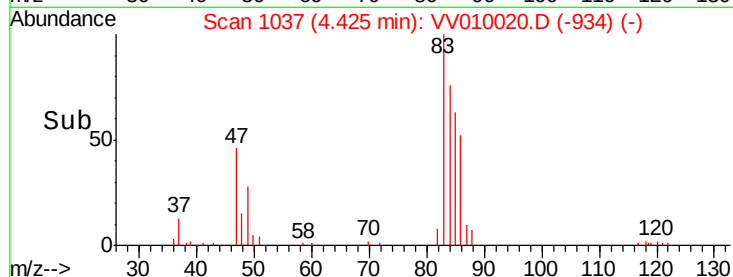
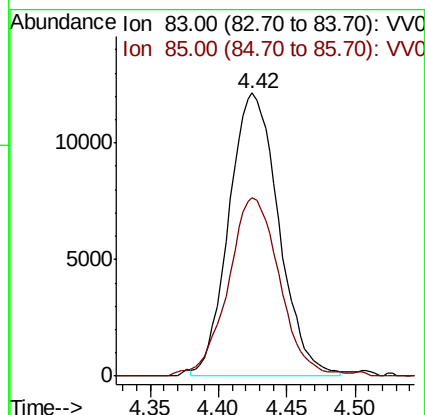
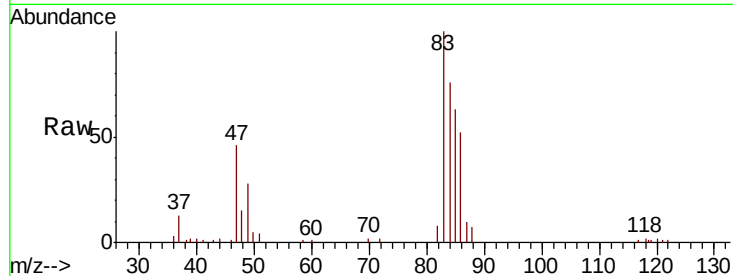




#25
Chloroform
Concen: 7.195 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010020.D
Acq: 30 Mar 2019 15:25

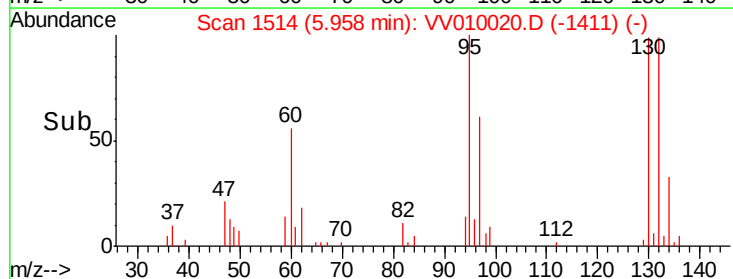
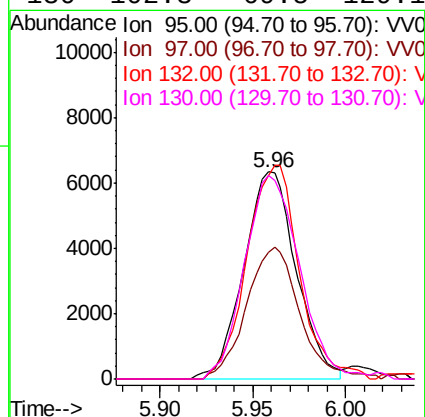
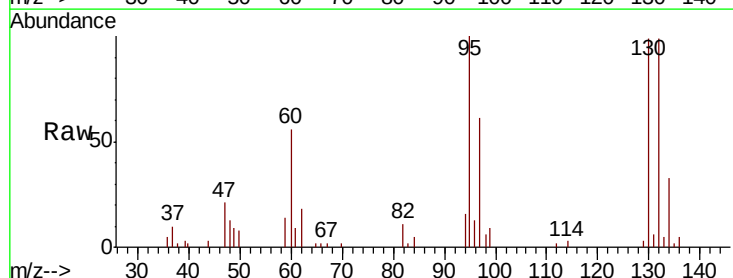
Instrument :
MSVOA_V
ClientSampleId :
BF105

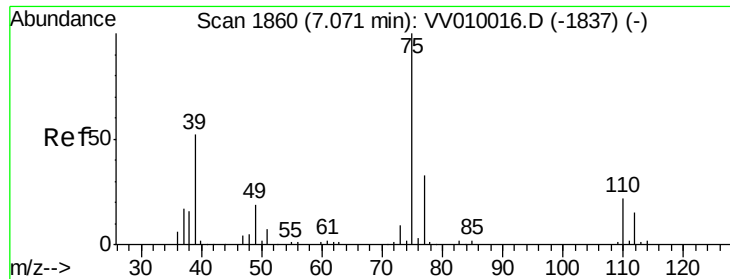
Tgt Ion: 83 Resp: 30768
Ion Ratio Lower Upper
83 100
85 64.8 46.1 85.7



#35
Trichloroethene
Concen: 5.225 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV010020.D
Acq: 30 Mar 2019 15:25

Tgt Ion: 95 Resp: 12537
Ion Ratio Lower Upper
95 100
97 64.5 46.3 85.9
132 102.0 69.3 128.7
130 102.3 69.5 129.1



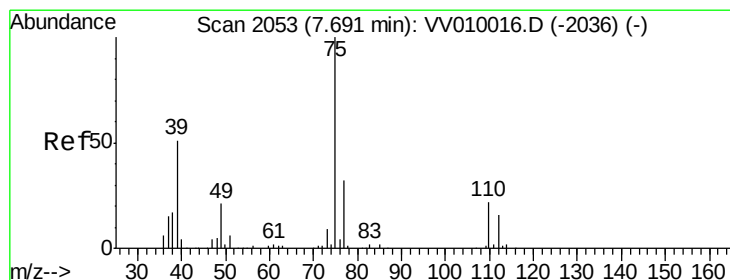
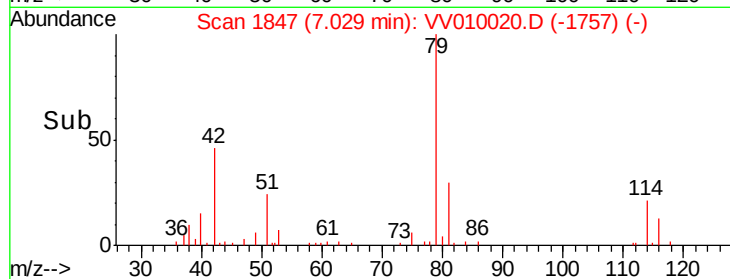
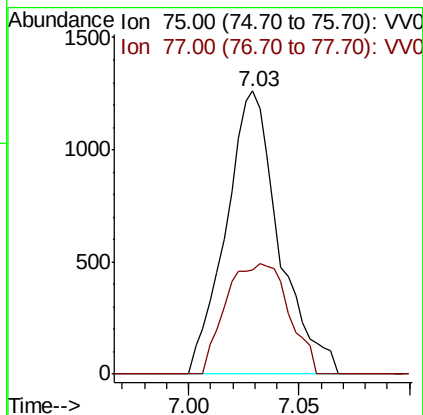
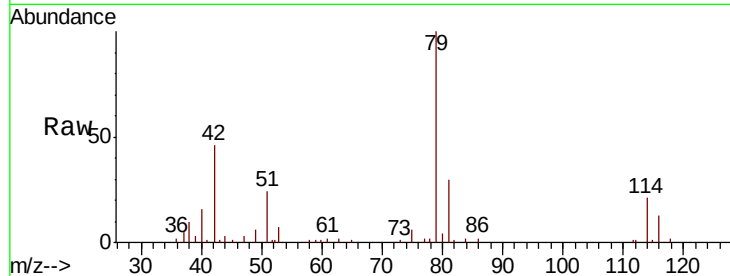


#42

cis-1,3-Dichloropropene
Concen: 0.636 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV010020.D
Acq: 30 Mar 2019 15:25

Instrument :
MSVOA_V
ClientSampled :
BF105

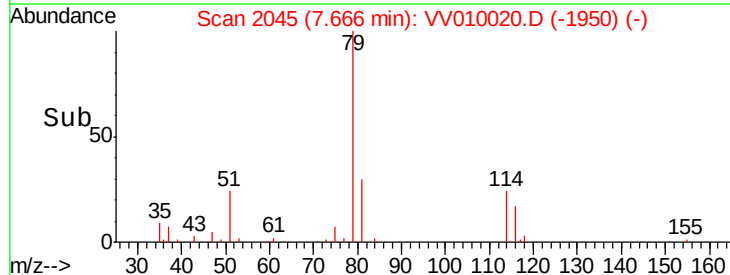
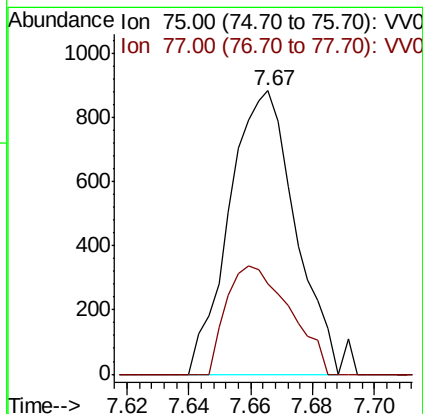
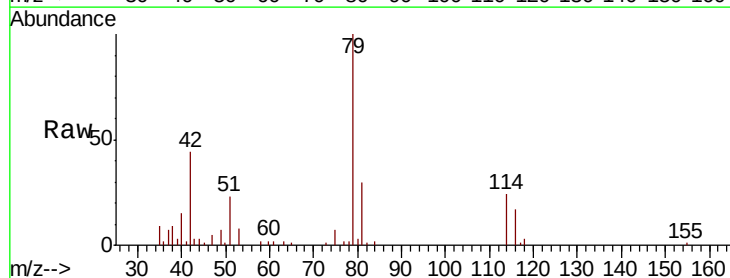
Tgt Ion: 75 Resp: 2109
Ion Ratio Lower Upper
75 100
77 37.0 21.8 40.6

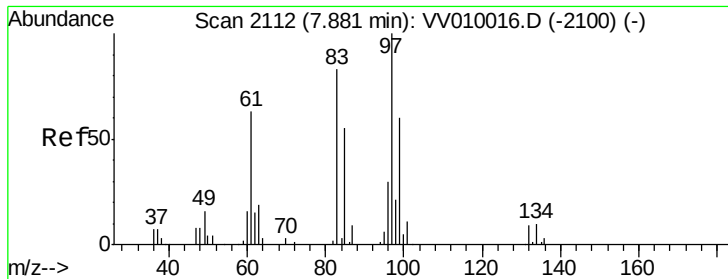


#45

trans-1,3-Dichloropropene
Concen: 0.481 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV010020.D
Acq: 30 Mar 2019 15:25

Tgt Ion: 75 Resp: 1305
Ion Ratio Lower Upper
75 100
77 32.0 20.7 38.5





#46

1,1,2-Trichloroethane

Concen: 4.565 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV010020.D

Acq: 30 Mar 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

BF105

Tgt Ion: 97 Resp: 8582

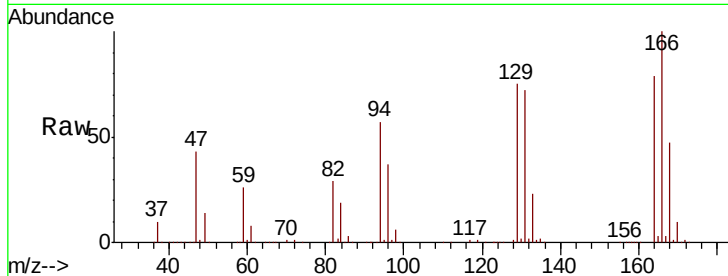
Ion Ratio Lower Upper

97 100

83 239.1 59.6 110.8#

85 46.0 39.2 72.8

99 16.0 42.6 79.2#



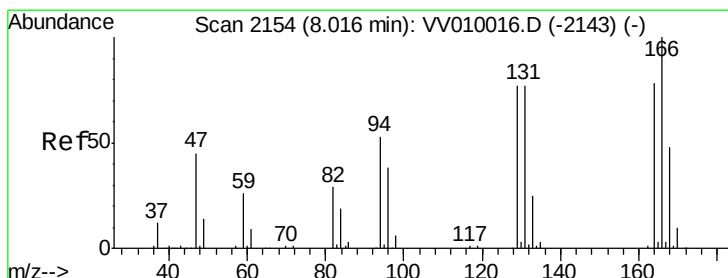
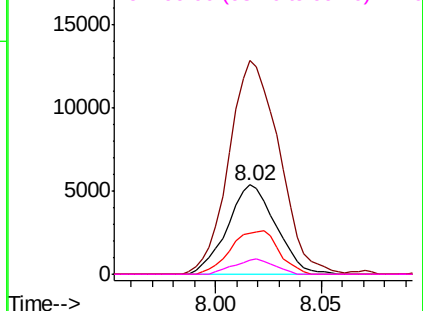
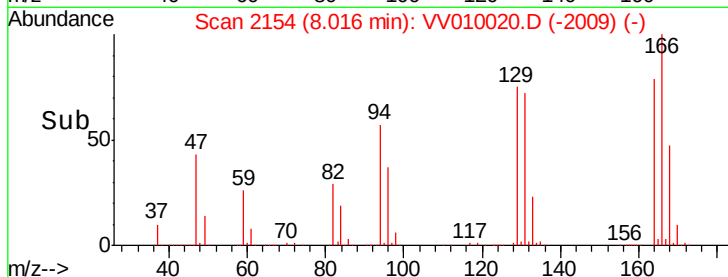
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 461.043 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010020.D

Acq: 30 Mar 2019 15:25

Tgt Ion: 164 Resp: 872982

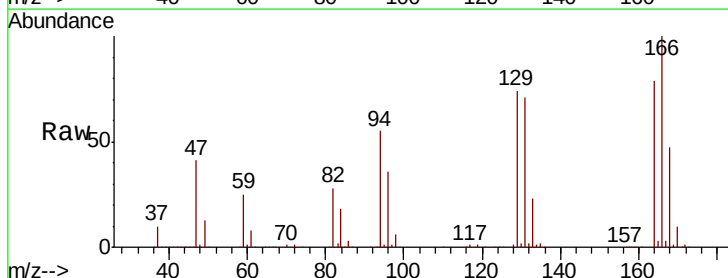
Ion Ratio Lower Upper

164 100

129 93.7 64.9 120.5

131 89.7 62.0 115.2

166 126.1 82.9 153.9



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

