

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019029.D
 Acq On : 20 Oct 2020 23:06
 Operator : SY/MD
 Sample : L4430-06 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 21 08:04:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 07:57:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	282129	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	278309	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	135993	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67825	29.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.42%#
7) Chloroethane-d5	1.58	69	72980	39.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.32%
11) 1,1-Dichloroethene-d2	2.12	63	124116	28.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.62%#
21) 2-Butanone-d5	3.92	46	182355	112.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.65%
24) Chloroform-d	4.37	84	183109	43.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.76%
26) 1,2-Dichloroethane-d4	5.05	65	123537	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
32) Benzene-d6	5.07	84	310576	38.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.46%
36) 1,2-Dichloropropane-d6	6.09	67	109261	42.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.12%
41) Toluene-d8	7.34	98	264474	36.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.58%#
43) trans-1,3-Dichloropropene-	7.64	79	50471	39.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.50%
47) 2-Hexanone-d5	8.11	63	91682	95.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.01%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	134672	44.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	126390	45.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.36%

Target Compounds

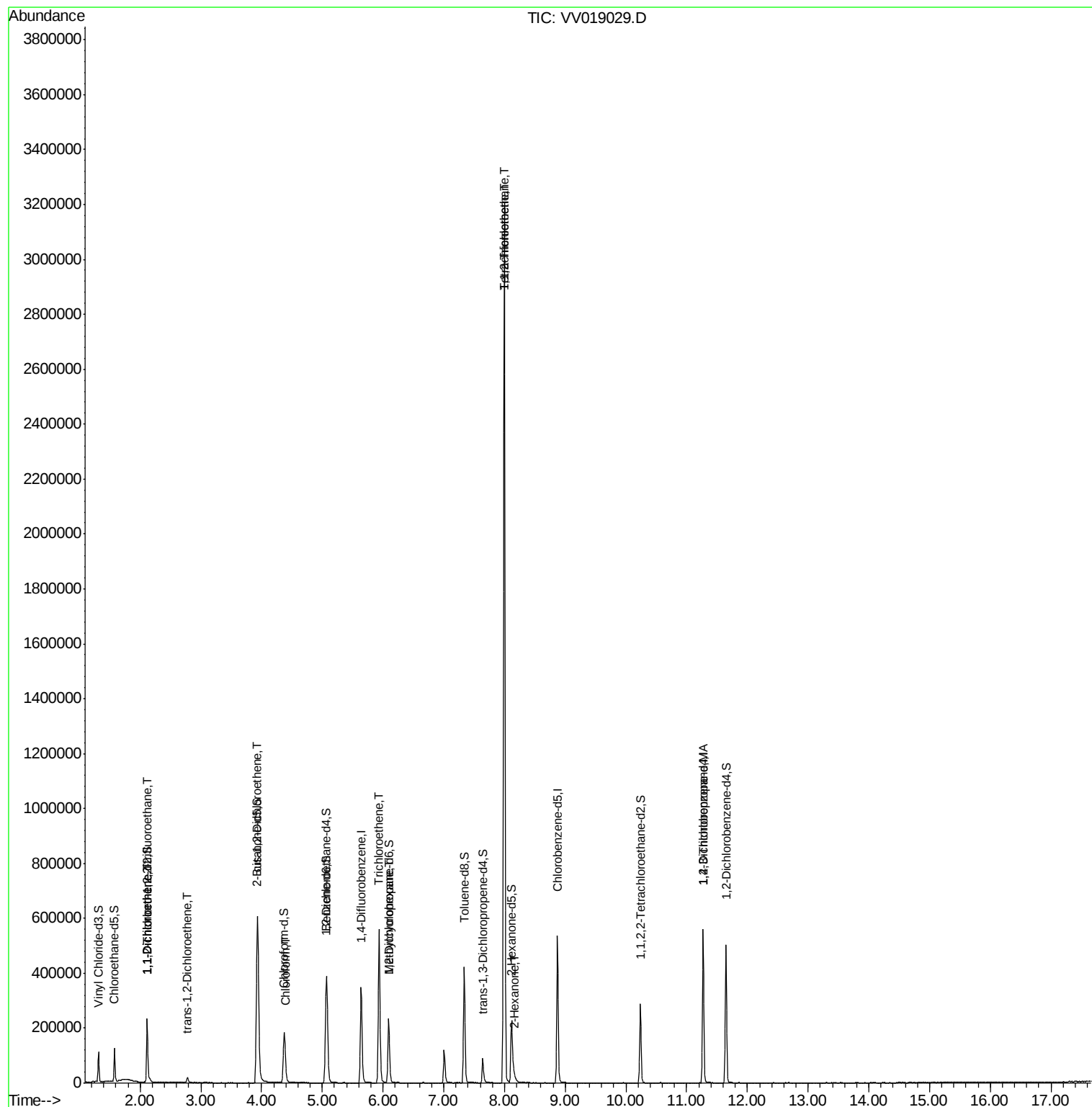
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1225	0.669	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1759	0.948	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	6667	3.238	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	288404	132.164	ug/L	98
25) Chloroform	4.40	83	6267	1.556	ug/L	88
34) Trichloroethene	5.94	95	183975	74.780	ug/L	99
35) Methylcyclohexane	6.09	83	25850	8.676	ug/L #	15
45) 1,1,2-Trichloroethane	7.99	97	6196	2.917	ug/L #	2
46) Tetrachloroethene	8.00	164	691862	399.030	ug/L	99
48) 2-Hexanone	8.17	43	10400	4.165	ug/L #	92
59) 1,2,3-Trichloropropane	11.27	75	16689	6.037	ug/L	90

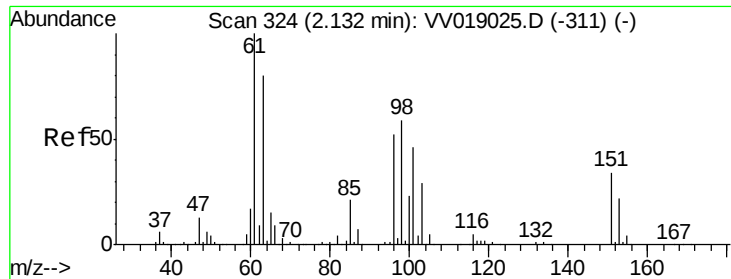
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Oct 21 07:57:26 2020
Response via : Initial Calibration





#10

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

Concen: 0.669 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.02 min

Lab File: VV019029.D

Acq: 20 Oct 2020 23:06

Instrument :

MSVOA_V

ClientSampleId :

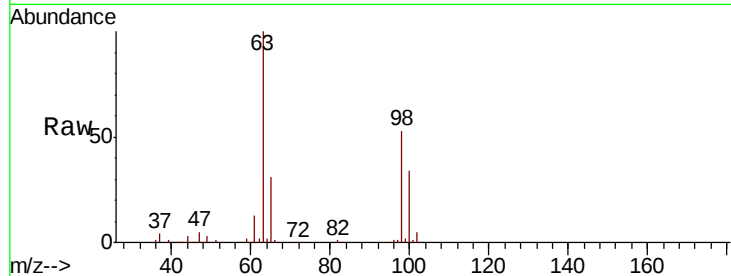
Tot Ion:101 Resp: 1225

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

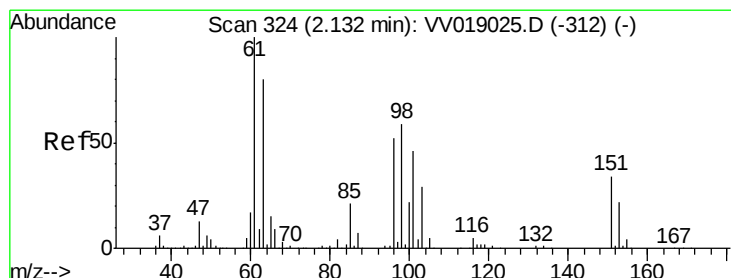
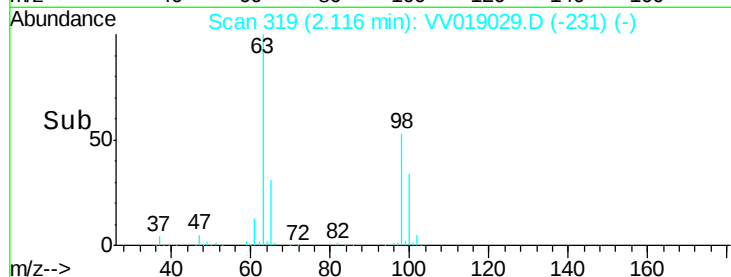
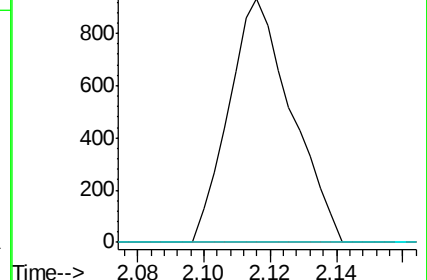
151 0.0 59.7 89.5#



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



#12

1,1-Dichloroethene

Concen: 0.948 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019029.D

Acq: 20 Oct 2020 23:06

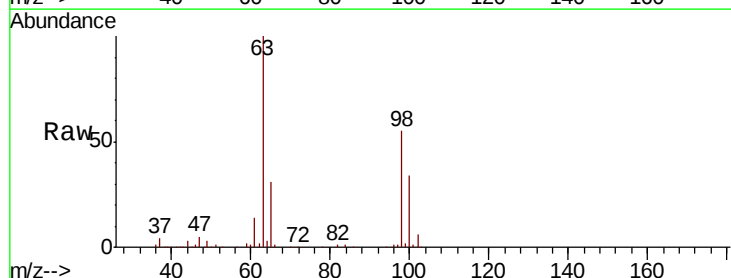
Tgt Ion: 96 Resp: 1759

Ion Ratio Lower Upper

96 100

61 958.8 133.5 247.9#

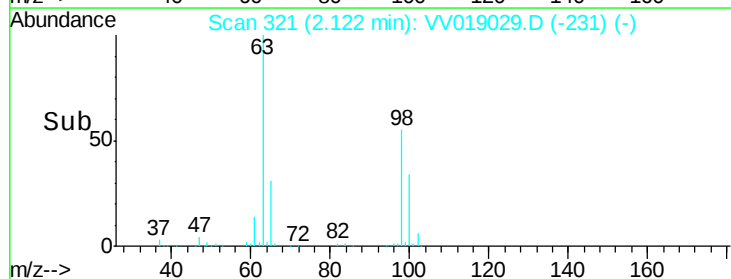
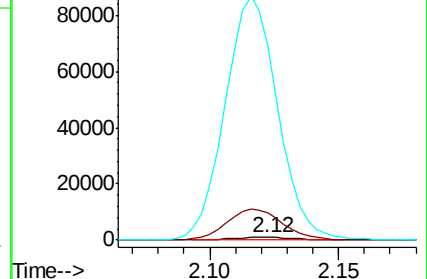
63 6811.1 102.1 189.7#

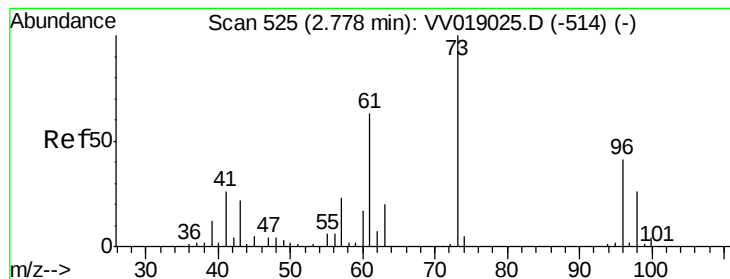


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 3.238 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV019029.D

Acq: 20 Oct 2020 23:06

Instrument :
MSVOA_V
ClientSampleId :

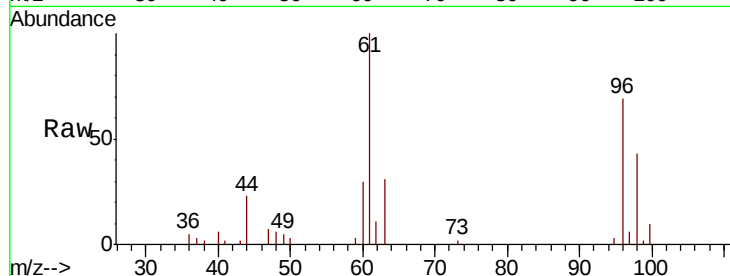
Tot Ion: 96 Resp: 6667

Ion Ratio Lower Upper

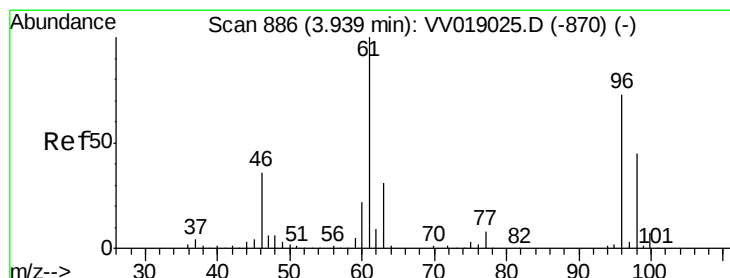
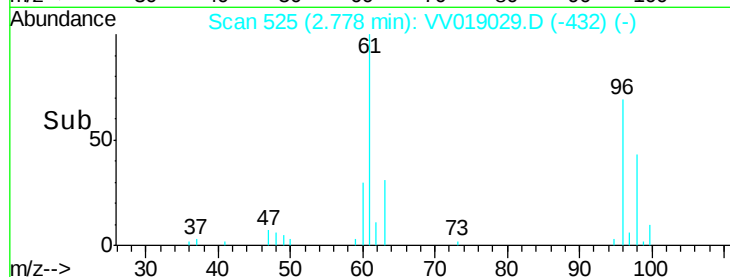
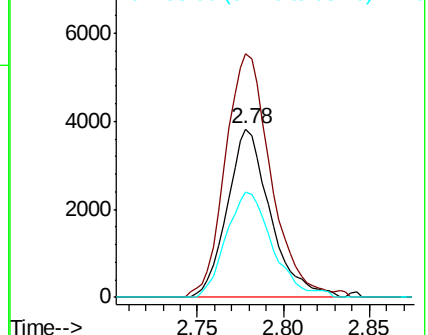
96 100

61 144.5 102.8 190.8

98 62.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 132.164 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV019029.D

Acq: 20 Oct 2020 23:06

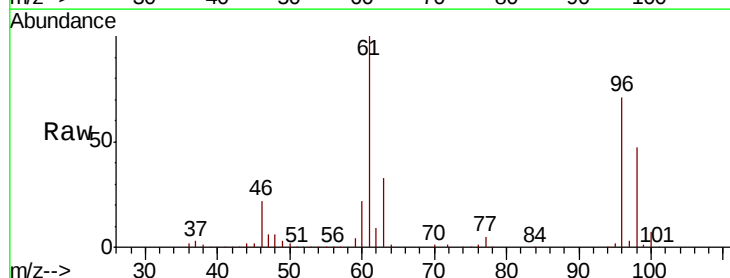
Tgt Ion: 96 Resp: 288404

Ion Ratio Lower Upper

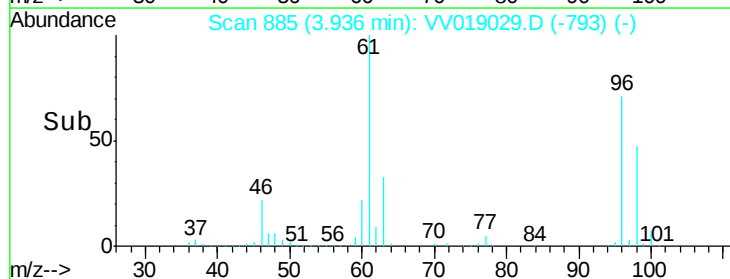
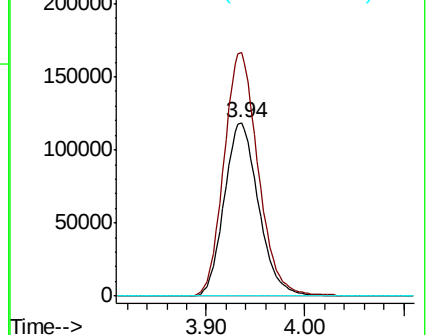
96 100

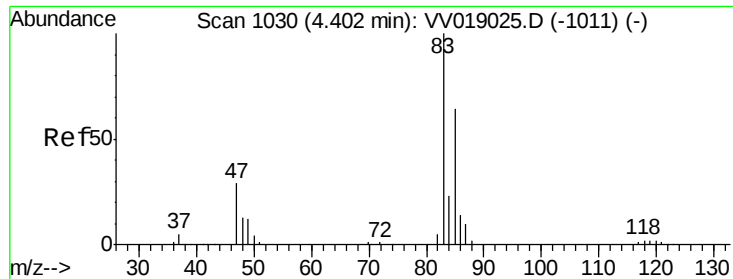
61 140.2 96.1 178.5

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

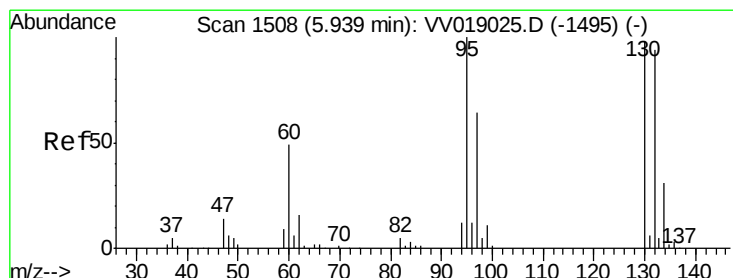
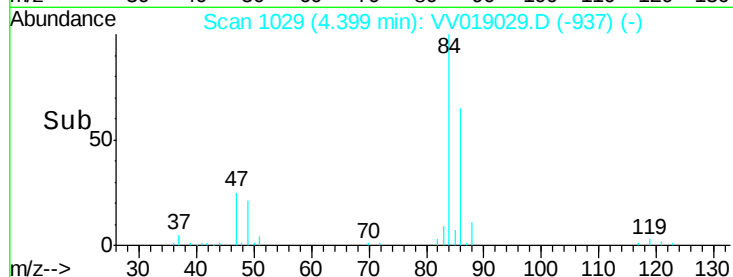
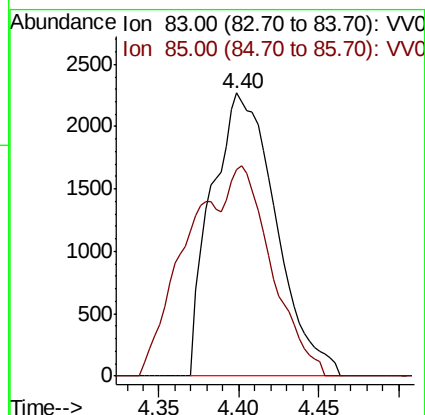
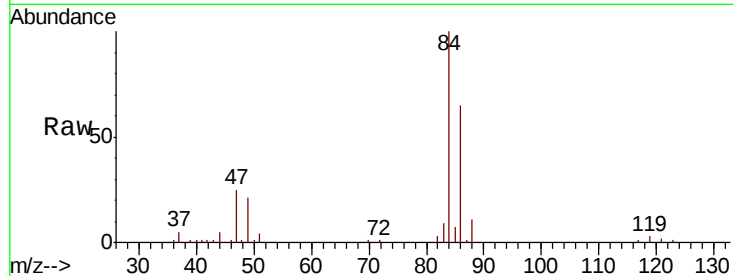




#25
Chloroform
Concen: 1.556 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019029.D
Acq: 20 Oct 2020 23:06

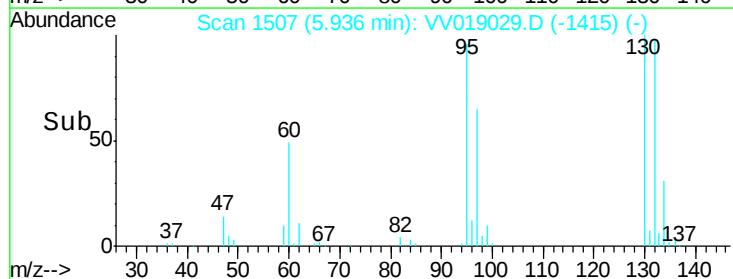
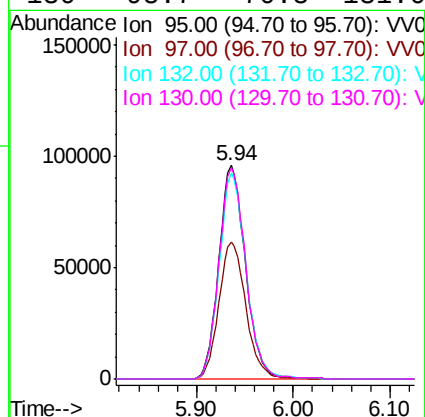
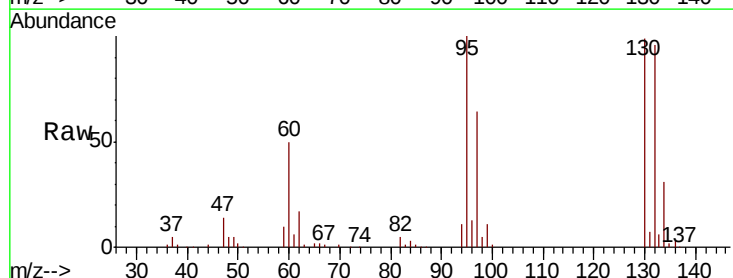
Instrument :
MSVOA_V
ClientSampled :

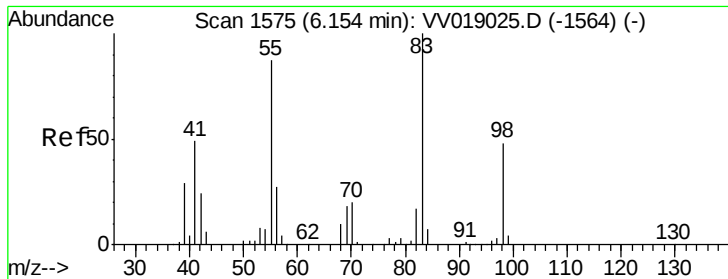
Tot Ion: 83 Resp: 6267
Ion Ratio Lower Upper
83 100
85 73.2 44.6 82.8



#34
Trichloroethene
Concen: 74.780 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV019029.D
Acq: 20 Oct 2020 23:06

Tgt Ion: 95 Resp: 183975
Ion Ratio Lower Upper
95 100
97 64.3 44.7 82.9
132 96.4 67.0 124.4
130 98.7 70.8 131.6





#35

Methylcyclohexane

Concen: 8.676 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV019029.D

Acq: 20 Oct 2020 23:06

Instrument :
MSVOA_V
ClientSampleId :

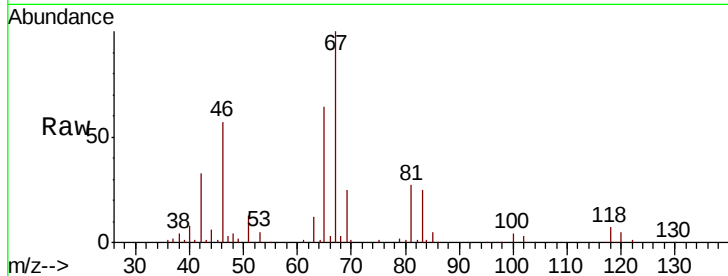
Tot Ion: 83 Resp: 25850

Ion Ratio Lower Upper

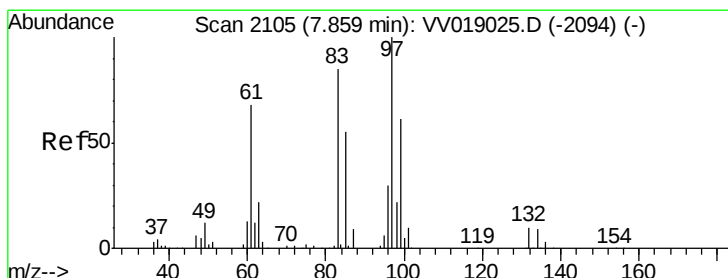
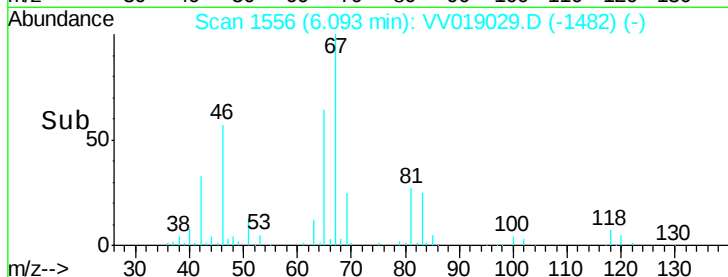
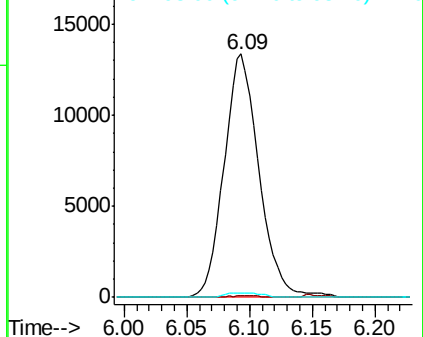
83 100

55 0.4 67.3 100.9#

98 0.0 37.9 56.9#



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



#45

1,1,2-Trichloroethane

Concen: 2.917 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV019029.D

Acq: 20 Oct 2020 23:06

Tgt Ion: 97 Resp: 6196

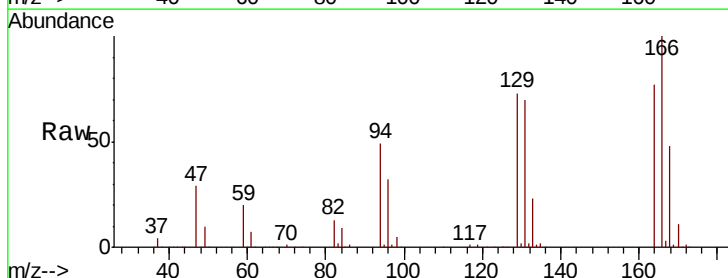
Ion Ratio Lower Upper

97 100

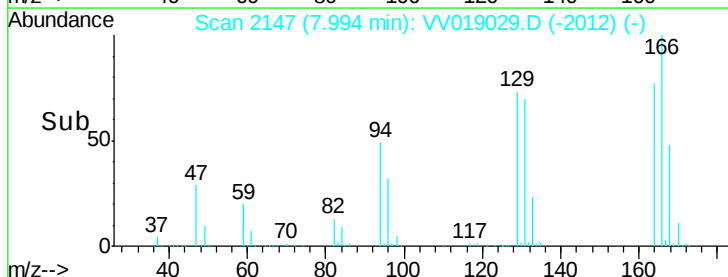
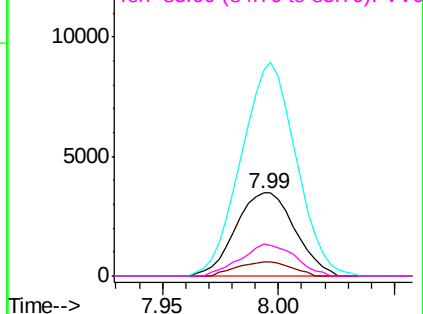
99 17.1 43.8 81.4#

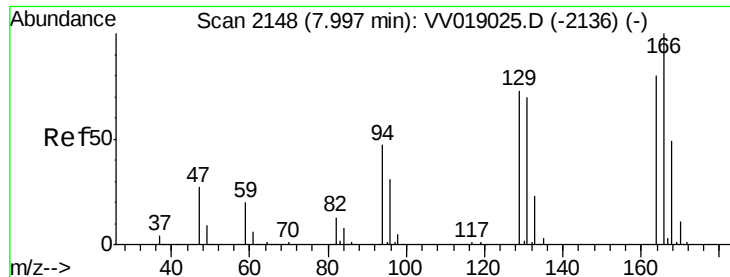
83 248.4 61.0 113.4#

85 37.9 38.9 72.2#



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 399.030 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV019029.D

Acq: 20 Oct 2020 23:06

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 691862

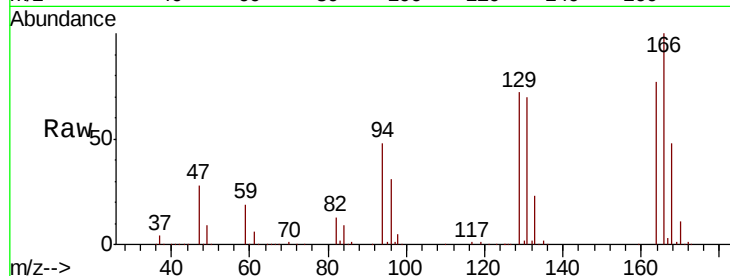
Ion Ratio Lower Upper

164 100

129 93.3 65.0 120.8

131 90.6 62.9 116.7

166 129.4 91.1 169.3

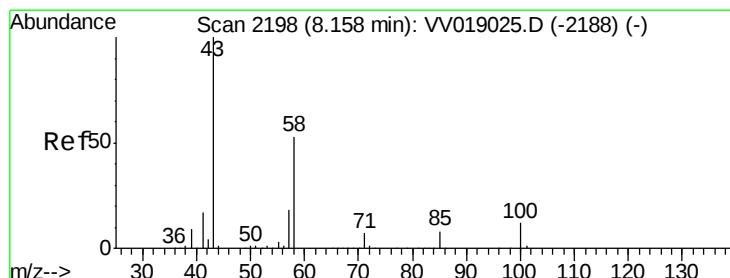
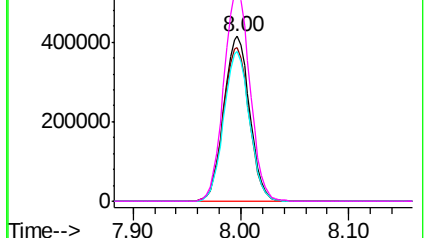
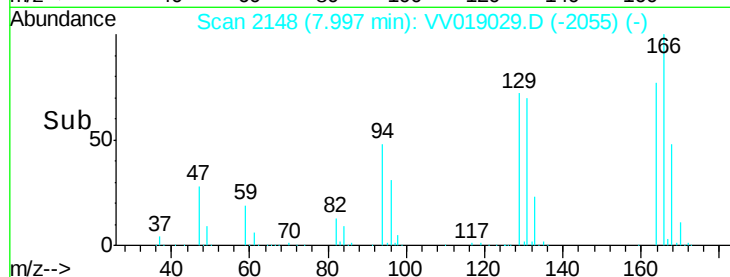


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 4.165 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV019029.D

Acq: 20 Oct 2020 23:06

Tgt Ion: 43 Resp: 10400

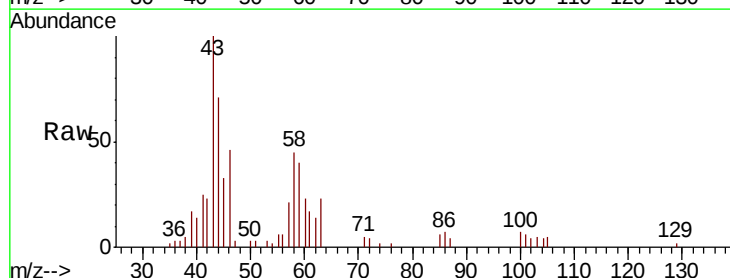
Ion Ratio Lower Upper

43 100

58 50.7 42.5 63.7

57 12.4 14.5 21.7#

100 3.1 9.0 13.4#

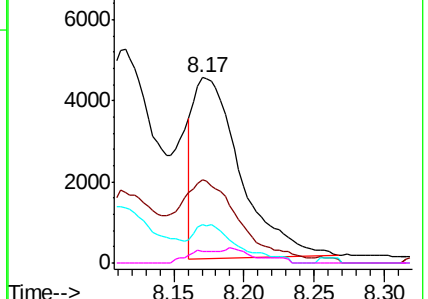
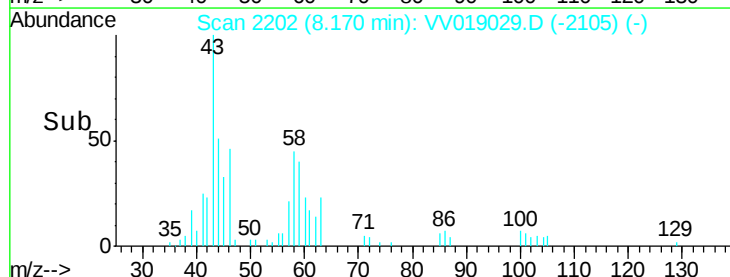


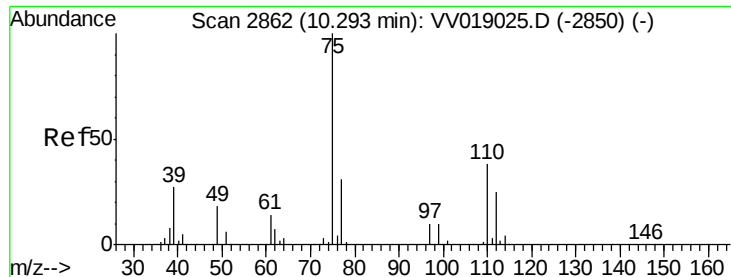
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 6.037 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019029.D

Acq: 20 Oct 2020 23:06

Instrument :

MSVOA_V

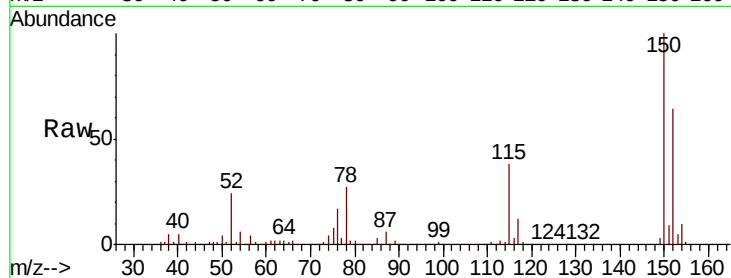
ClientSampleId :

Tot Ion: 75 Resp: 16689

Ion Ratio Lower Upper

75 100

77 37.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

