

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019021.D
 Acq On : 20 Oct 2020 17:57
 Operator : SY/MD
 Sample : L4430-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 21 06:11:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 06:02:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	287790	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	287952	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	137910	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78679	33.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.42%
7) Chloroethane-d5	1.58	69	76374	40.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.38%
11) 1,1-Dichloroethene-d2	2.12	63	139645	31.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.46%
21) 2-Butanone-d5	3.91	46	158151	95.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.78%
24) Chloroform-d	4.38	84	177447	41.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.38%
26) 1,2-Dichloroethane-d4	5.06	65	126458	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
32) Benzene-d6	5.07	84	333084	39.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.24%
36) 1,2-Dichloropropane-d6	6.09	67	113236	42.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.26%
41) Toluene-d8	7.34	98	286315	37.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.94%#
43) trans-1,3-Dichloropropene-	7.64	79	50165	38.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.36%
47) 2-Hexanone-d5	8.11	63	87031	87.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.17%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	142214	45.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	128867	45.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.86%

Target Compounds

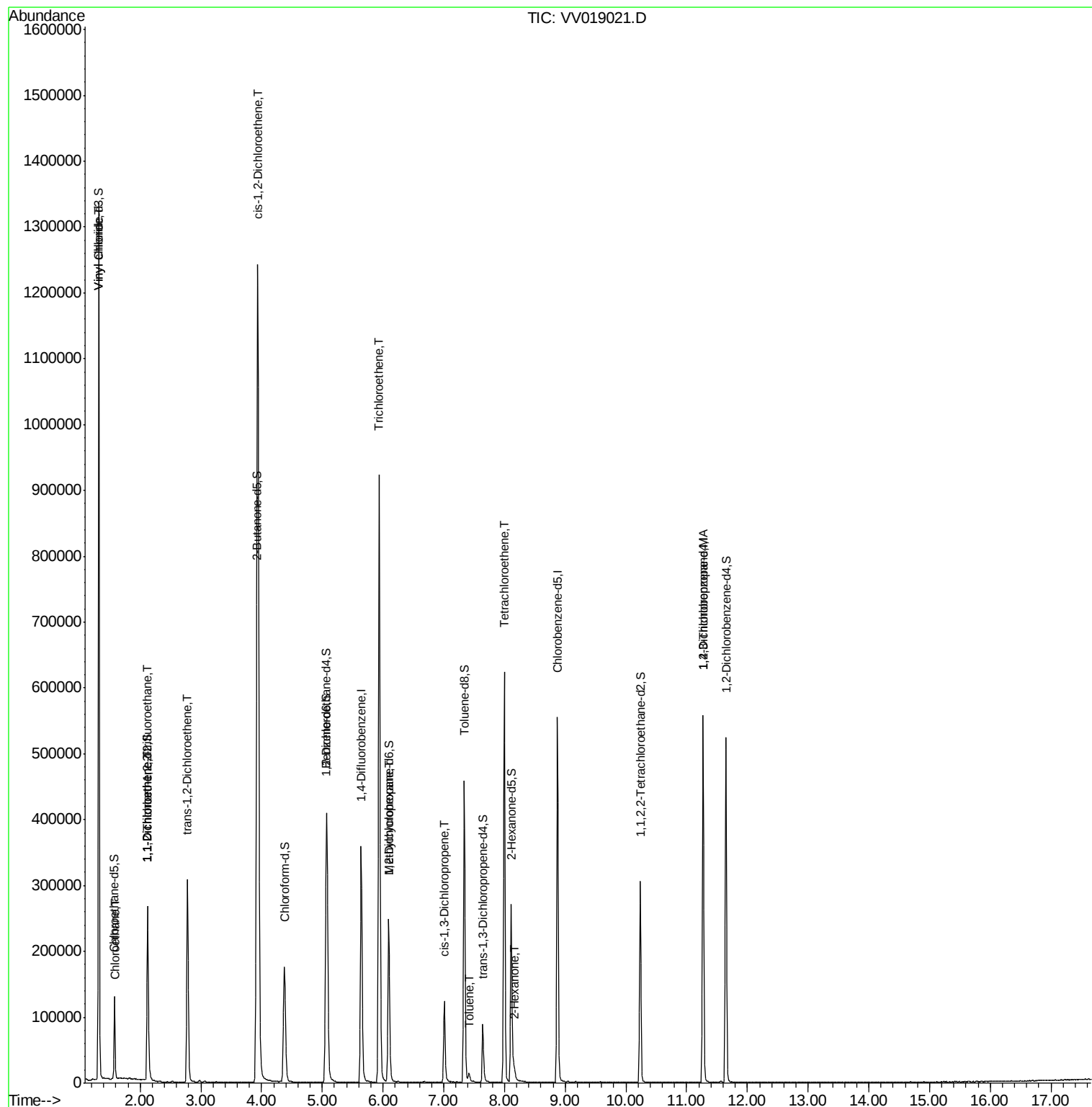
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	739370	272.193	ug/L	97
8) Chloroethane	1.60	64	1367	0.839	ug/L #	82
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1355	0.726	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	13209	6.982	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	109792	52.277	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	641629	288.248	ug/L	98
34) Trichloroethene	5.94	95	308537	121.210	ug/L	99
35) Methylcyclohexane	6.09	83	27358	8.874	ug/L #	17
39) cis-1,3-Dichloropropene	7.01	75	2966	0.835	ug/L #	71
42) Toluene	7.42	91	10183	1.117	ug/L	95
46) Tetrachloroethene	8.00	164	133758	74.561	ug/L	100
48) 2-Hexanone	8.16	43	11223	4.344	ug/L #	66
59) 1,2,3-Trichloropropane	11.27	75	16375	5.725	ug/L #	87

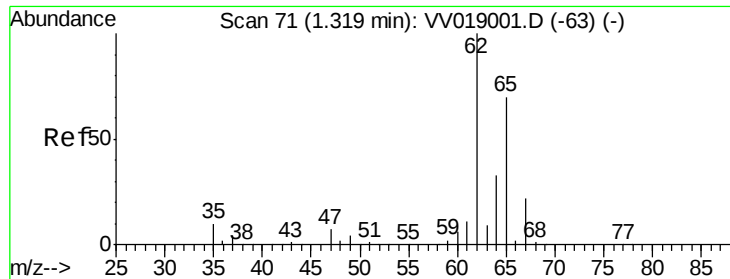
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Oct 21 06:02:04 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 272.193 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019021.D

Acq: 20 Oct 2020 17:57

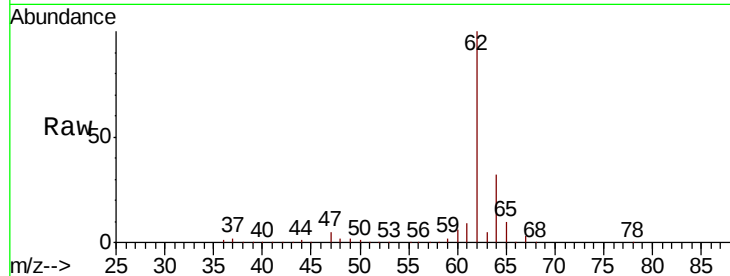
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 739370

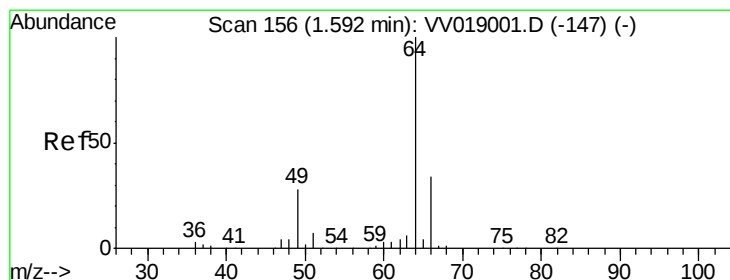
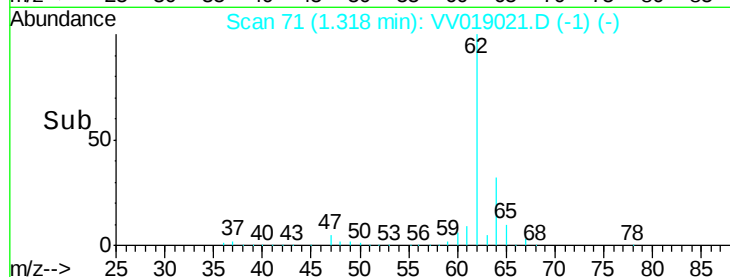
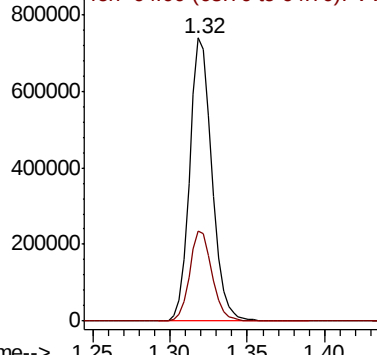
Ion Ratio Lower Upper

62 100

64 31.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 0.839 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019021.D

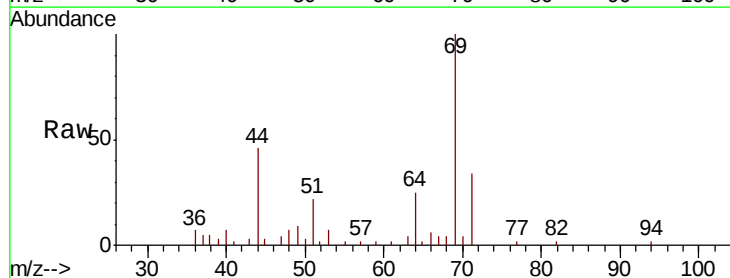
Acq: 20 Oct 2020 17:57

Tgt Ion: 64 Resp: 1367

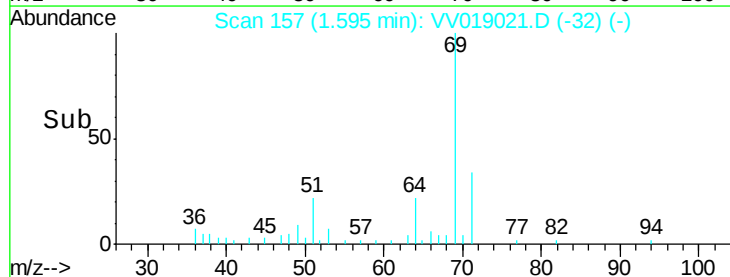
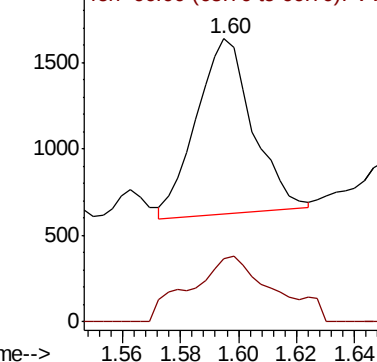
Ion Ratio Lower Upper

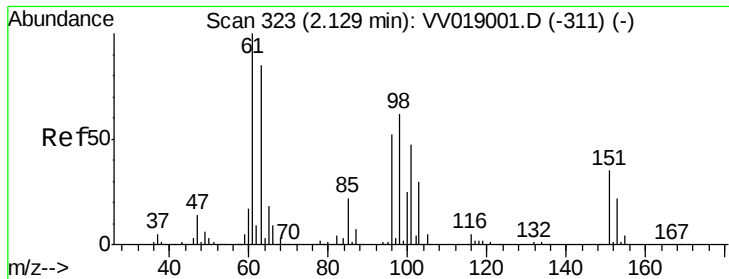
64 100

66 22.4 22.7 42.1#



Abundance Ion 64.00 (63.70 to 64.70): VV0
Ion 66.00 (65.70 to 66.70): VV0





#10

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

Concen: 0.726 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019021.D

Acq: 20 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampled :

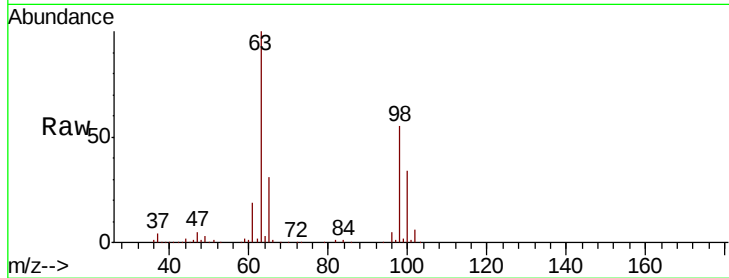
Tot Ion:101 Resp: 1355

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

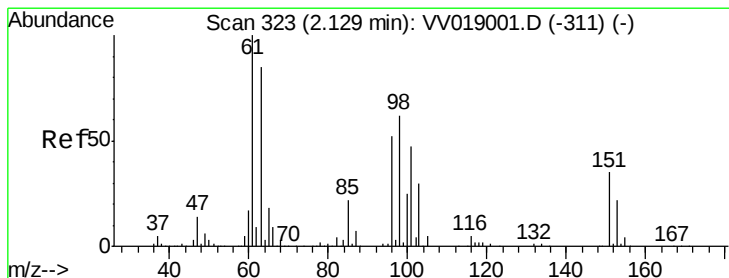
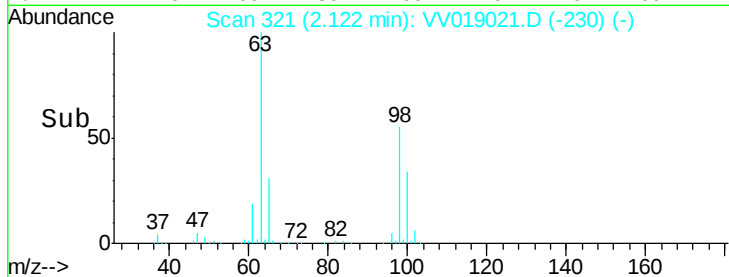
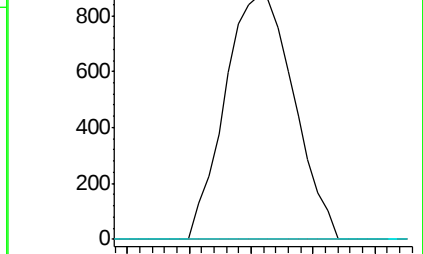
151 0.0 59.7 89.5#



Abundance Ion 101.00 (100.70 to 101.70): VV019021.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV019021.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV019021.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 6.982 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019021.D

Acq: 20 Oct 2020 17:57

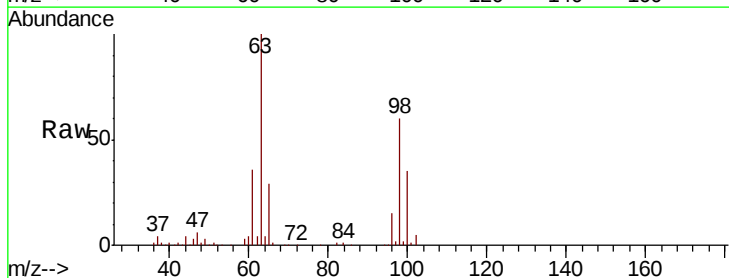
Tgt Ion: 96 Resp: 13209

Ion Ratio Lower Upper

96 100

61 235.9 133.5 247.9

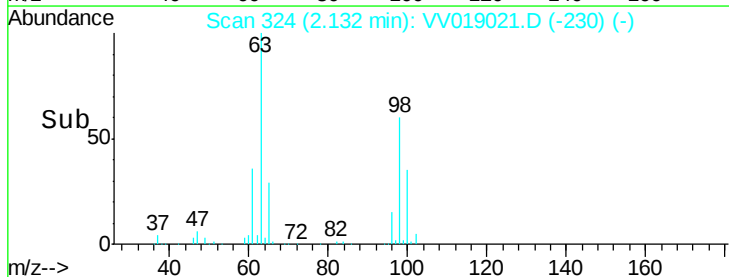
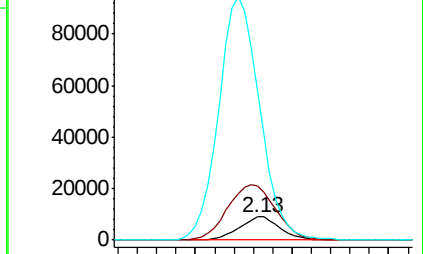
63 648.3 102.1 189.7#

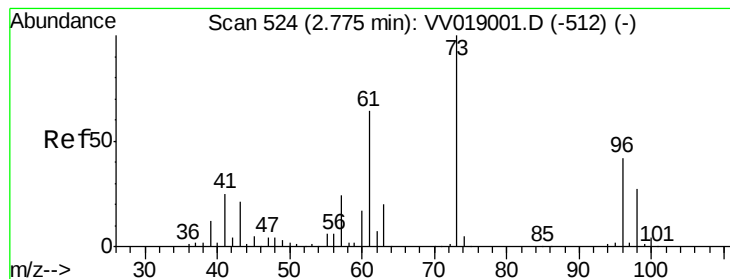


Abundance Ion 96.00 (95.70 to 96.70): VV019021.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV019021.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV019021.D (-230) (-)





#17

trans-1,2-Dichloroethene

Concen: 52.277 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019021.D

Acq: 20 Oct 2020 17:57

Instrument :
MSVOA_V
ClientSampleId :

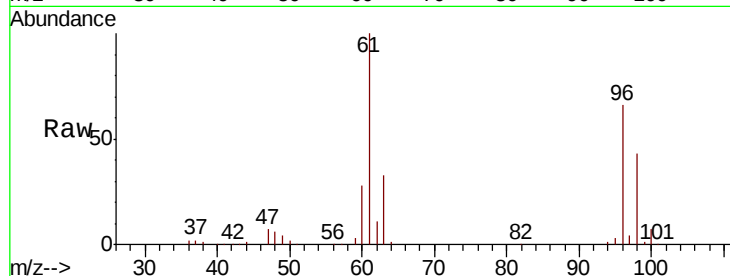
Tot Ion: 96 Resp: 109792

Ion Ratio Lower Upper

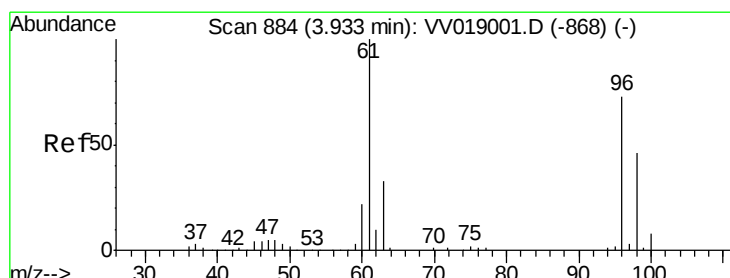
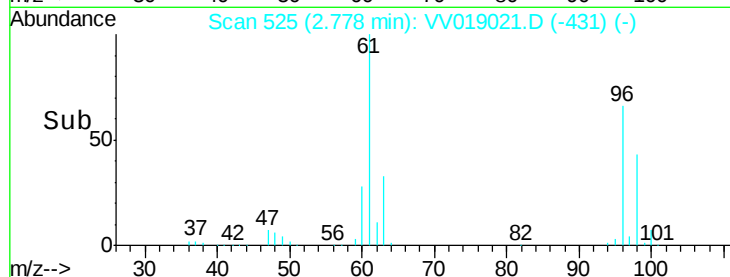
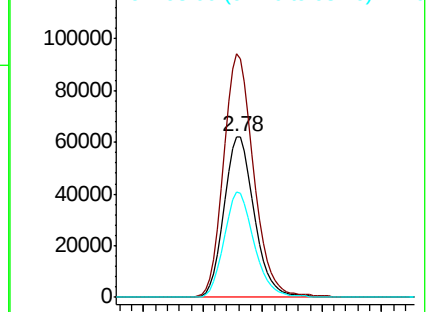
96 100

61 151.3 102.8 190.8

98 65.8 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: 288.248 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV019021.D

Acq: 20 Oct 2020 17:57

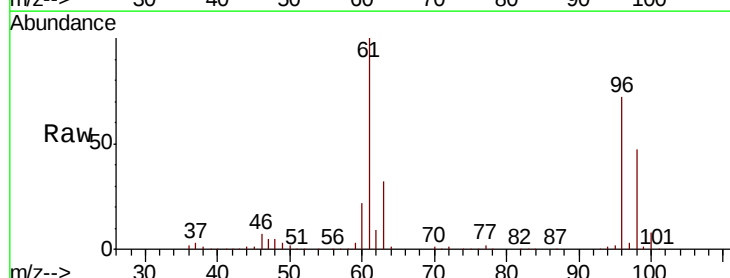
Tgt Ion: 96 Resp: 641629

Ion Ratio Lower Upper

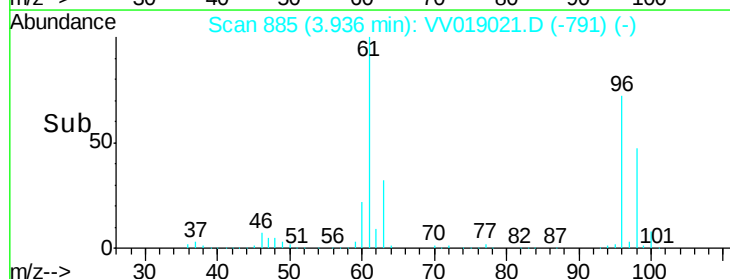
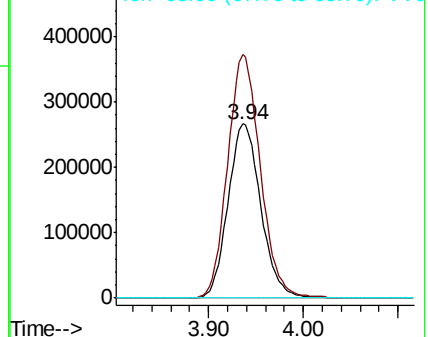
96 100

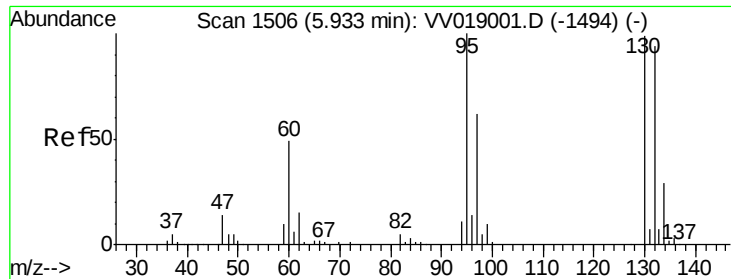
61 139.6 96.1 178.5

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

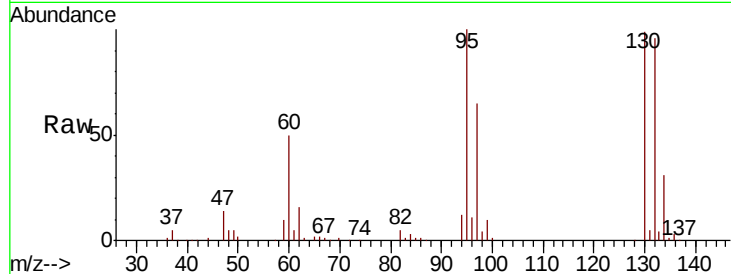




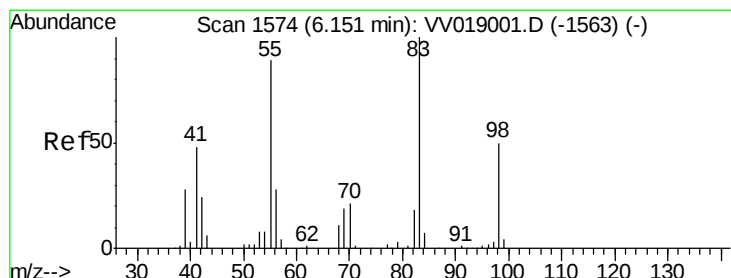
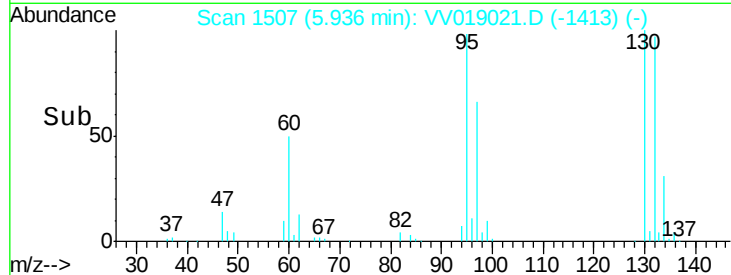
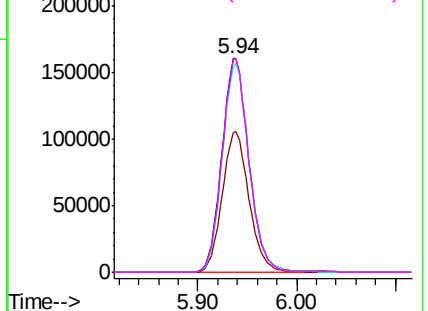
#34
 Trichloroethene
 Concen: 121.210 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV019021.D
 Acq: 20 Oct 2020 17:57

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	95	Resp:	308537
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.7	82.9
132	96.1	67.0	124.4
130	99.4	70.8	131.6

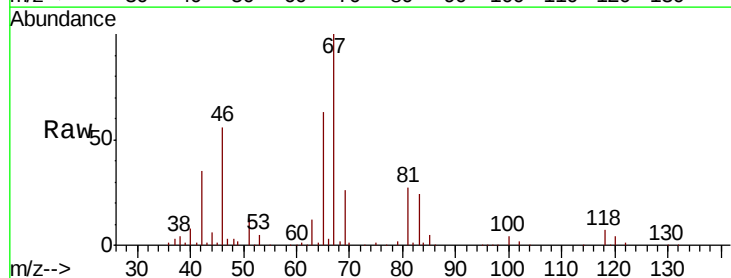


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

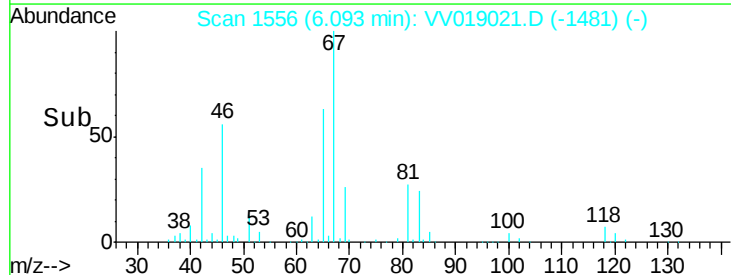
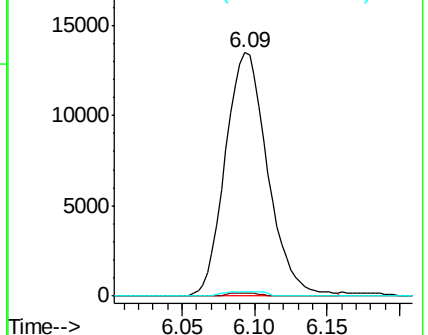


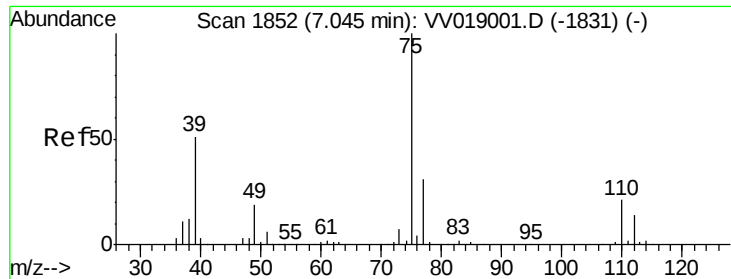
#35
 Methylcyclohexane
 Concen: 8.874 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV019021.D
 Acq: 20 Oct 2020 17:57

Tgt Ion:	83	Resp:	27358
Ion	Ratio	Lower	Upper
83	100		
55	0.8	67.3	100.9#
98	1.3	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



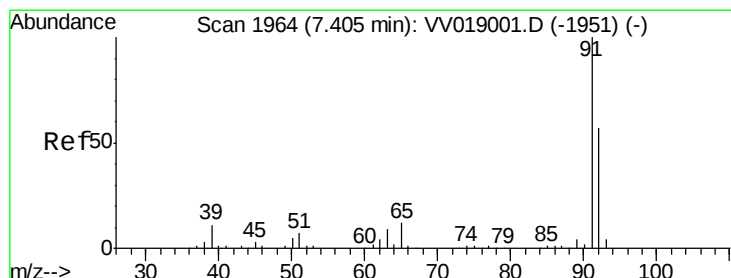
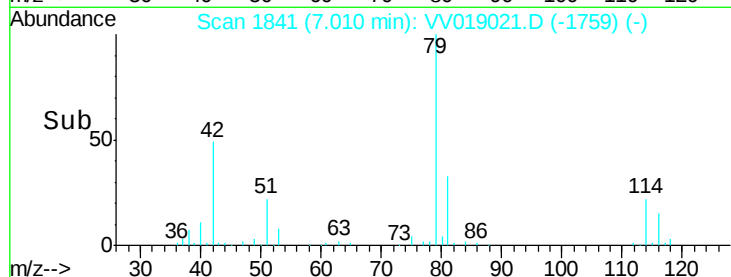
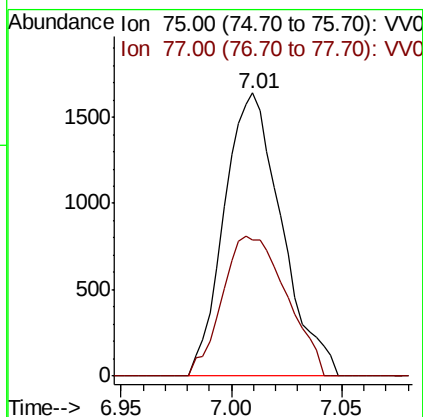
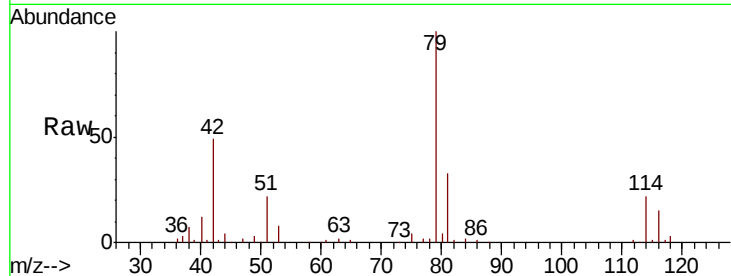


#39

cis-1,3-Dichloropropene
Concen: 0.835 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV019021.D
Acq: 20 Oct 2020 17:57

Instrument :
MSVOA_V
ClientSampleId :

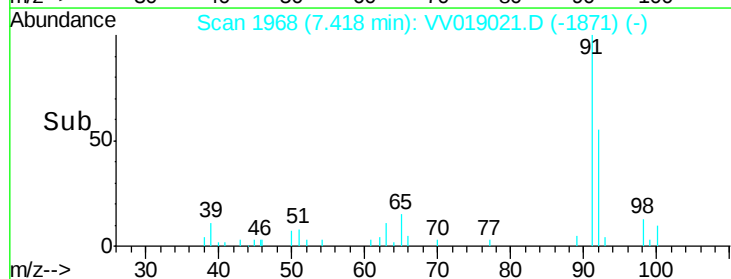
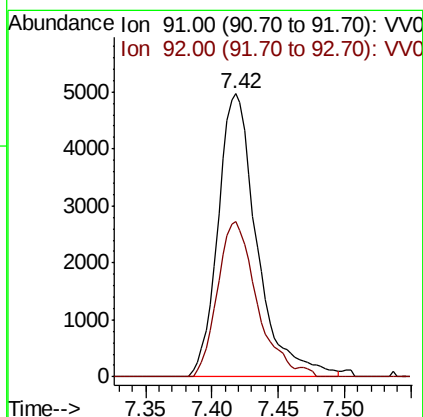
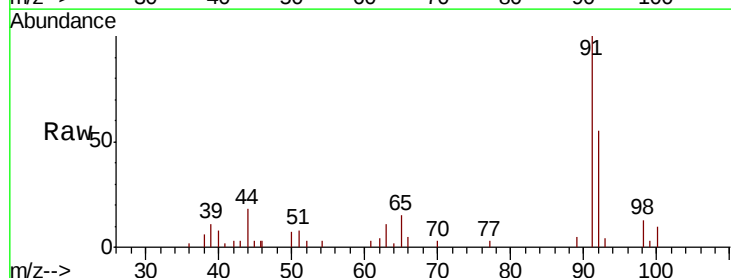
Tot Ion: 75 Resp: 2966
Ion Ratio Lower Upper
75 100
77 48.2 22.5 41.9#

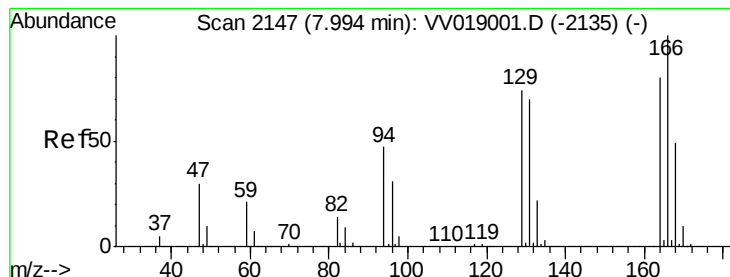


#42

Toluene
Concen: 1.117 ug/L
RT: 7.42 min Scan# 1968
Delta R.T. 0.01 min
Lab File: VV019021.D
Acq: 20 Oct 2020 17:57

Tgt Ion: 91 Resp: 10183
Ion Ratio Lower Upper
91 100
92 54.8 41.2 76.4





#46

Tetrachloroethene

Concen: 74.561 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019021.D

Acq: 20 Oct 2020 17:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 133758

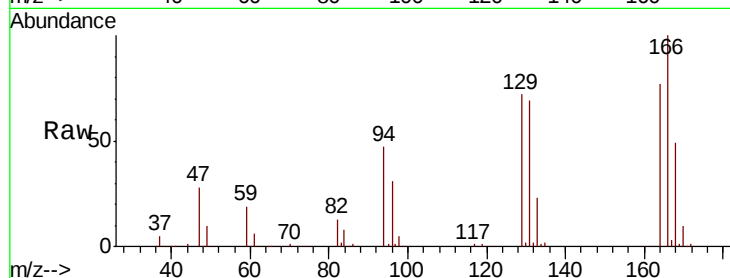
Ion Ratio Lower Upper

164 100

129 93.4 65.0 120.8

131 89.8 62.9 116.7

166 129.9 91.1 169.3

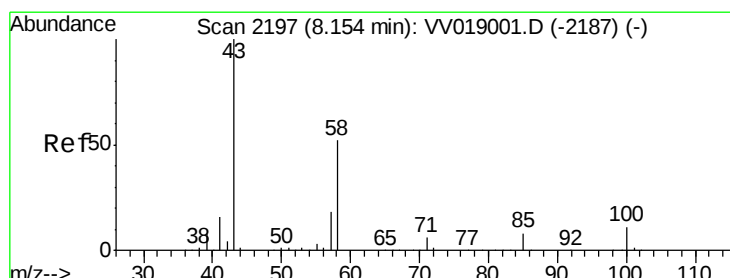
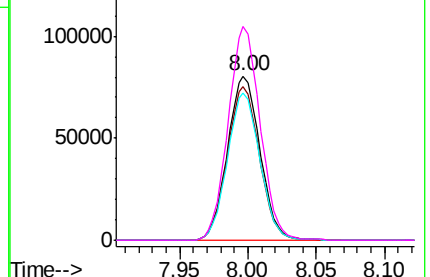
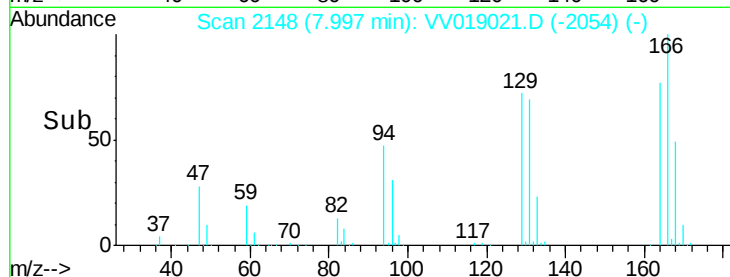


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.344 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019021.D

Acq: 20 Oct 2020 17:57

Tgt Ion: 43 Resp: 11223

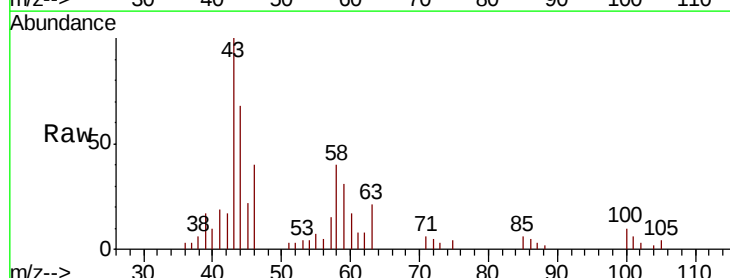
Ion Ratio Lower Upper

43 100

58 23.9 42.5 63.7#

57 4.2 14.5 21.7#

100 8.2 9.0 13.4#

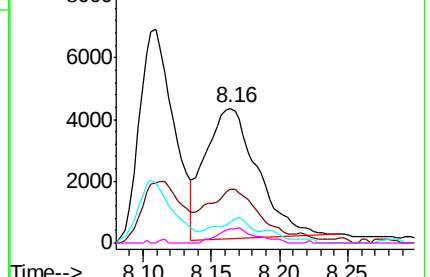
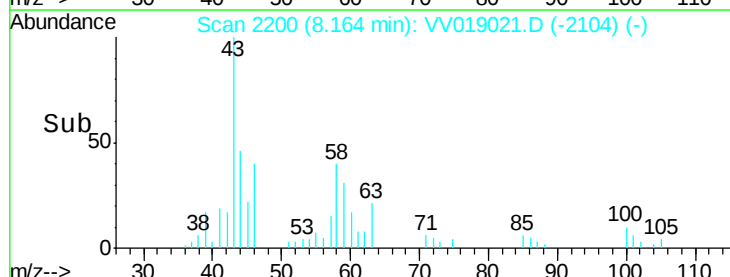


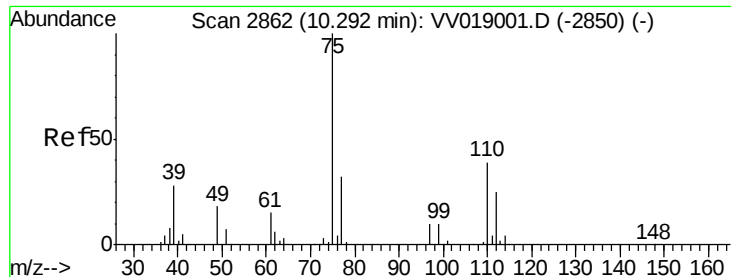
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 5.725 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019021.D

Acq: 20 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 16375

Ion Ratio Lower Upper

75 100

77 39.1 25.4 38.2#

