

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071320\
 Data File : VV017462.D
 Acq On : 13 Jul 2020 12:07
 Operator : SY/MD
 Sample : L3270-16
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 14 05:16:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 14 05:08:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	142817	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	132555	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	62857	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67808	91.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	182.40%#
7) Chloroethane-d5	1.58	69	51643	98.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	197.76%#
11) 1,1-Dichloroethene-d2	2.12	63	110956	65.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	131.82%#
21) 2-Butanone-d5	3.91	46	84659	166.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	166.71%#
24) Chloroform-d	4.38	84	144966	84.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	168.58%#
26) 1,2-Dichloroethane-d4	5.06	65	105238	89.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	178.30%#
32) Benzene-d6	5.08	84	262410	91.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	183.28%#
36) 1,2-Dichloropropane-d6	6.09	67	75161	91.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	182.30%#
41) Toluene-d8	7.34	98	242178	87.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	175.94%#
43) trans-1,3-Dichloropropene-	7.64	79	43149	89.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	179.82%#
47) 2-Hexanone-d5	8.11	63	55002	162.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	162.53%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	89877	77.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	155.26%#
64) 1,2-Dichlorobenzene-d4	11.65	152	99019	94.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	188.44%#

Target Compounds

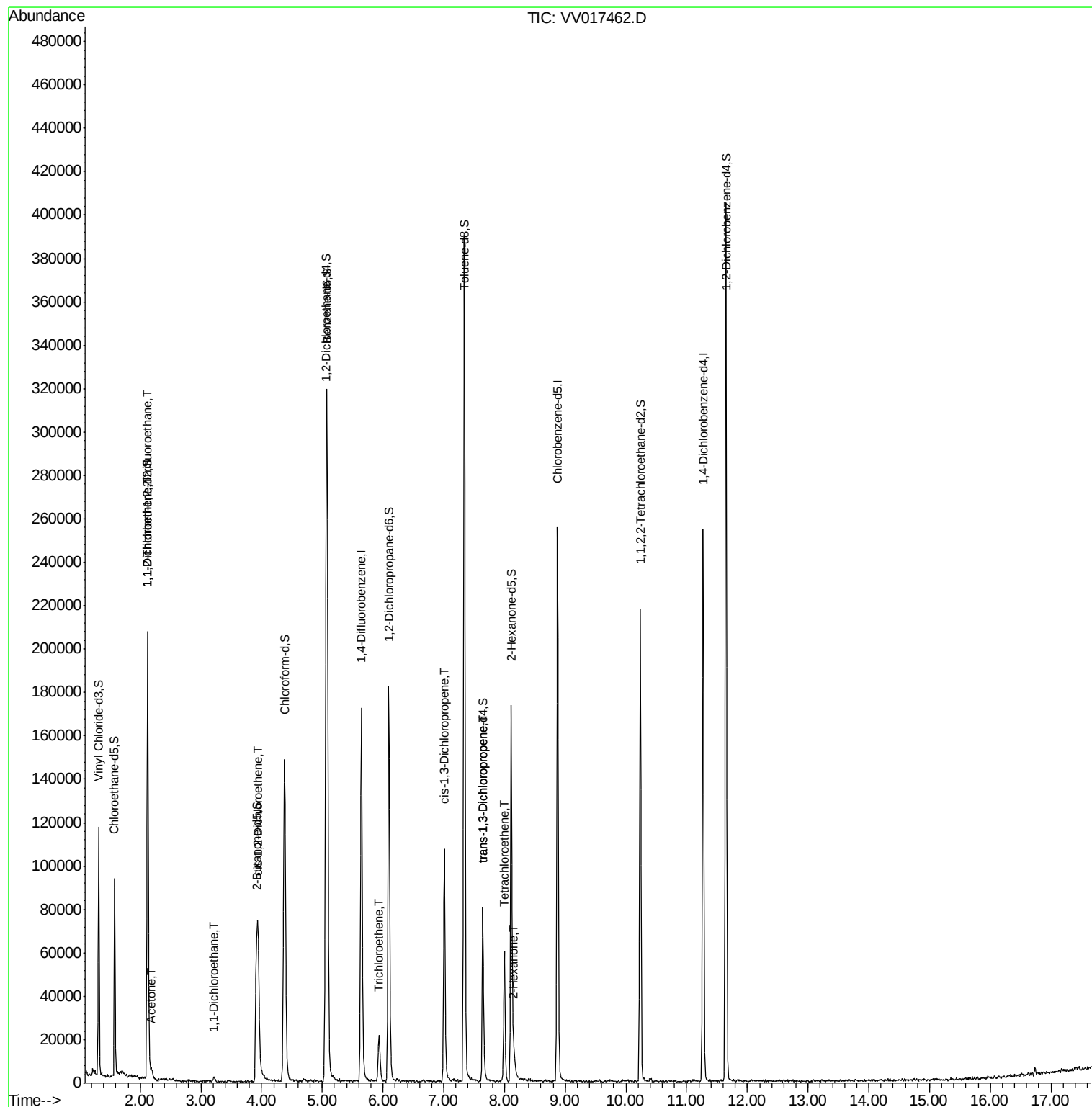
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	961	1.013 ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1032	1.203 ug/L #	1
13) Acetone	2.19	43	6069	8.779 ug/L	86
19) 1,1-Dichloroethane	3.22	63	1497	0.873 ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	29623	29.638 ug/L	99
34) Trichloroethene	5.95	95	2876	2.765 ug/L	81
39) cis-1,3-Dichloropropene	7.01	75	3152	2.158 ug/L	87
44) trans-1,3-Dichloropropene	7.65	75	1991	1.318 ug/L	95
46) Tetrachloroethene	8.00	164	12857	14.719 ug/L	94
48) 2-Hexanone	8.16	43	5776	6.021 ug/L #	62

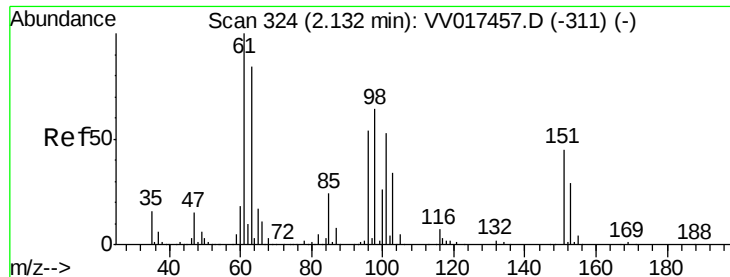
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Jul 14 05:08:48 2020
Response via : Initial Calibration





#10

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

Concen: 1.013 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017462.D

Acq: 13 Jul 2020 12:07

Instrument :

MSVOA_V

ClientSampleId :

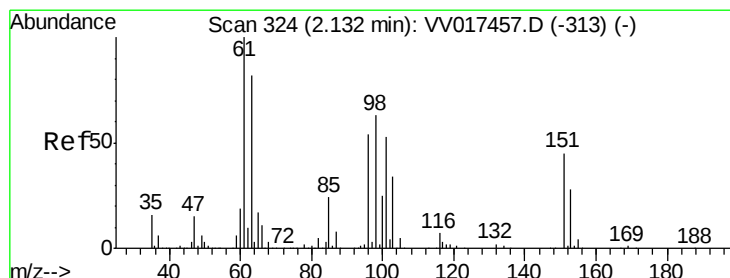
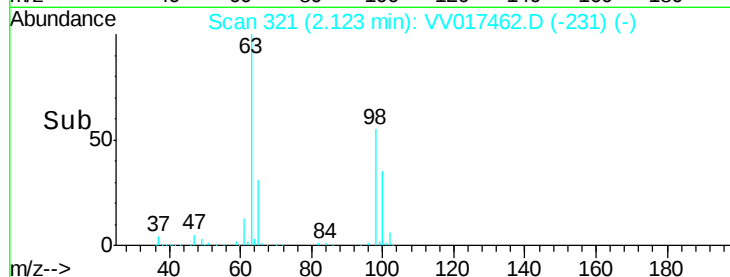
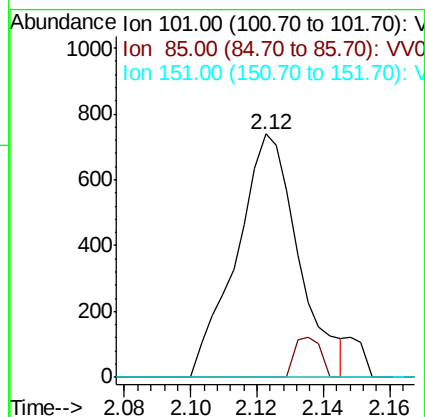
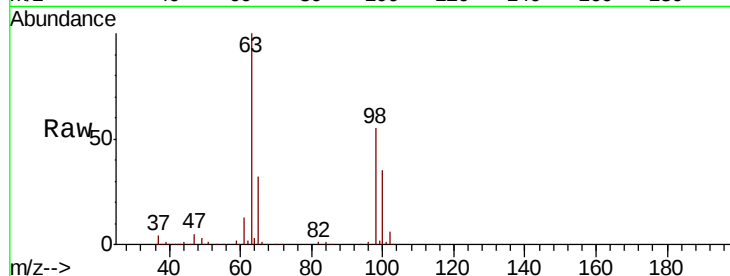
Tot Ion:101 Resp: 961

Ion Ratio Lower Upper

101 100

85 6.8 36.2 54.4#

151 0.0 66.8 100.2#



#12

1,1-Dichloroethene

Concen: 1.203 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017462.D

Acq: 13 Jul 2020 12:07

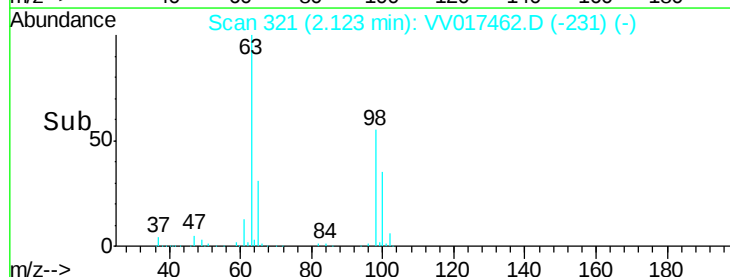
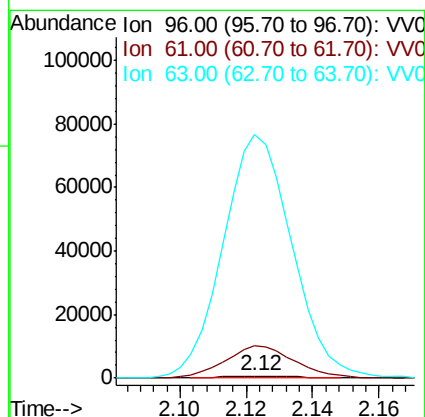
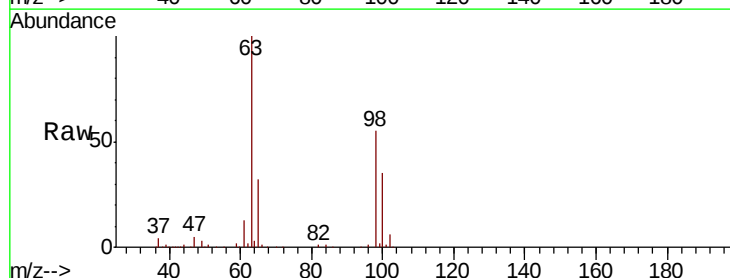
Tgt Ion: 96 Resp: 1032

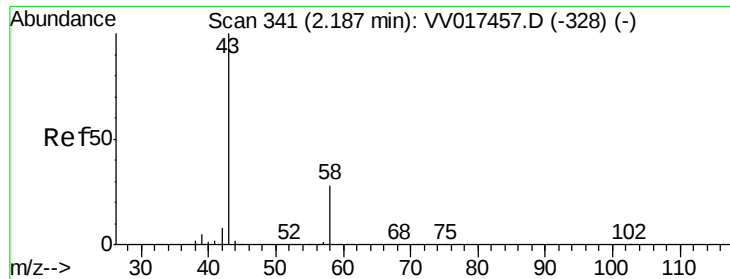
Ion Ratio Lower Upper

96 100

61 1475.2 132.7 246.4#

63 11194.2 103.3 191.8#





#13

Acetone

Concen: 8.779 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017462.D

Acq: 13 Jul 2020 12:07

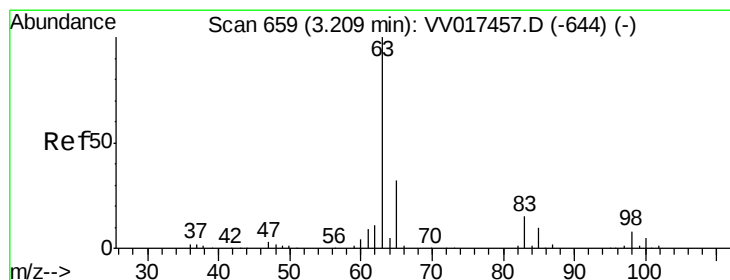
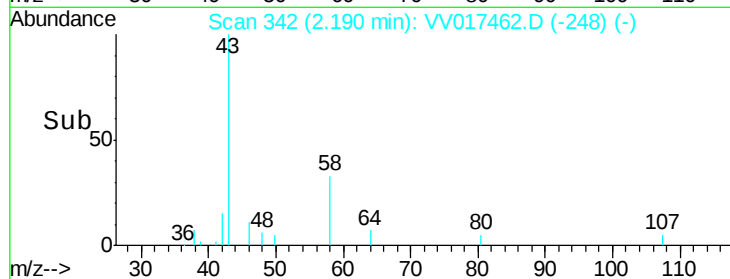
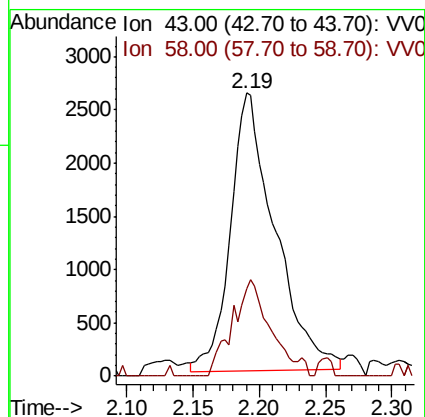
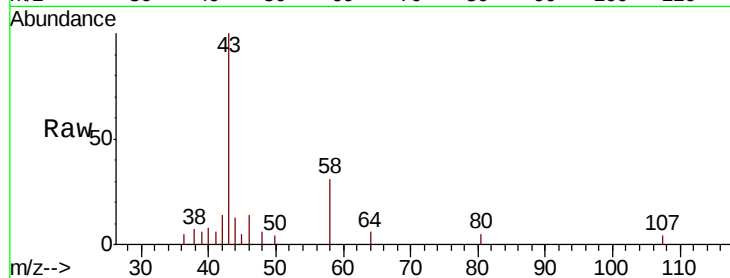
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 6069

Ion Ratio Lower Upper

43 100

58 20.9 0.0 56.0



#19

1,1-Dichloroethane

Concen: 0.873 ug/L

RT: 3.22 min Scan# 662

Delta R.T. 0.01 min

Lab File: VV017462.D

Acq: 13 Jul 2020 12:07

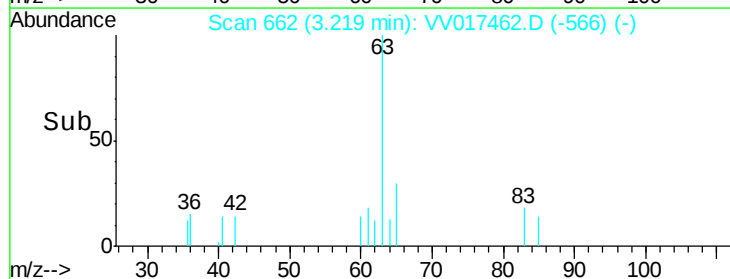
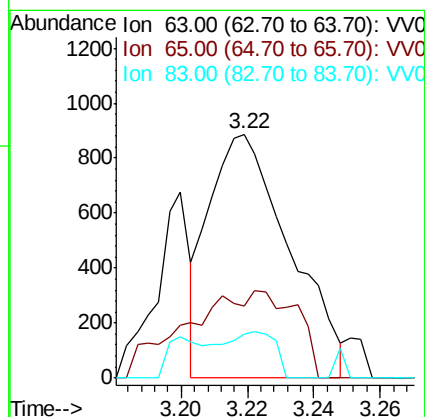
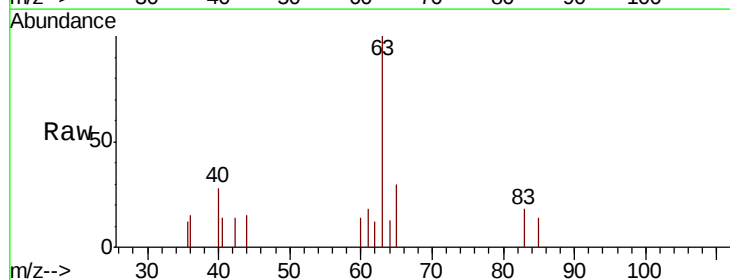
Tgt Ion: 63 Resp: 1497

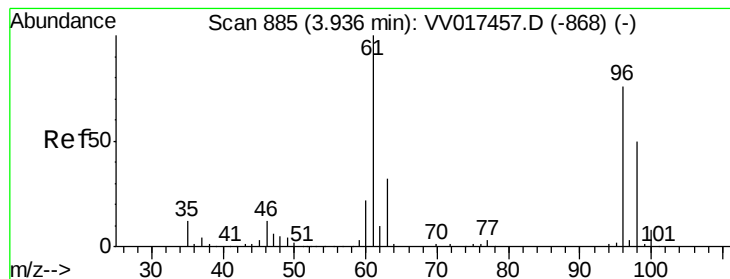
Ion Ratio Lower Upper

63 100

65 29.6 22.1 41.1

83 17.9 10.1 18.9



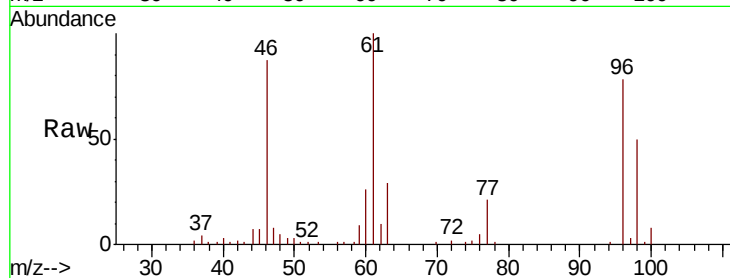


#20

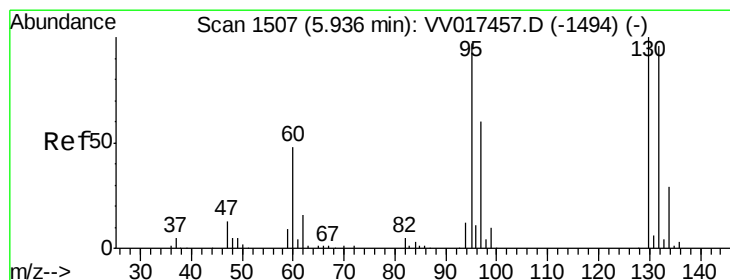
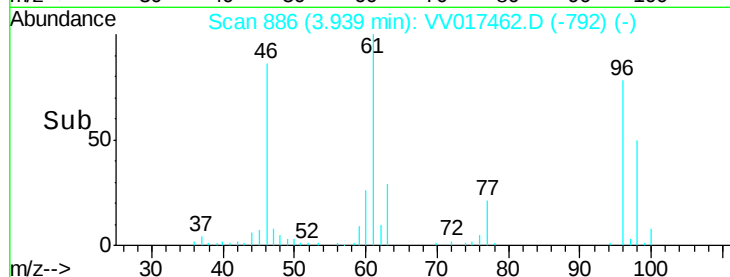
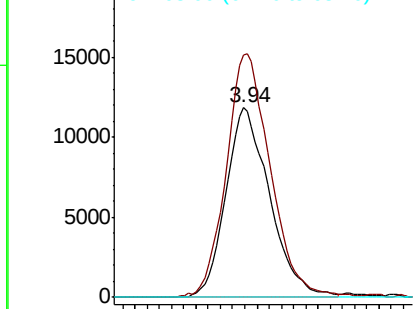
cis-1,2-Dichloroethene
Concen: 29.638 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017462.D
Acq: 13 Jul 2020 12:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 29623
Ion Ratio Lower Upper
96 100
61 127.9 88.9 165.1
68 0.0 0.0 0.0



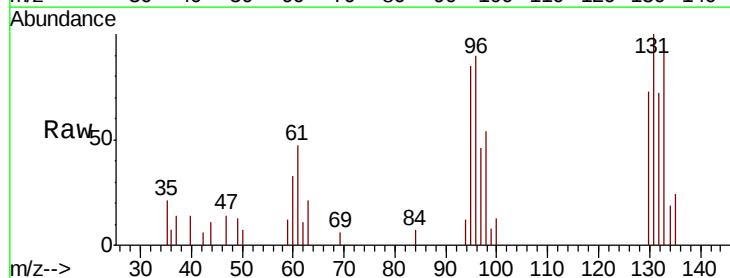
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



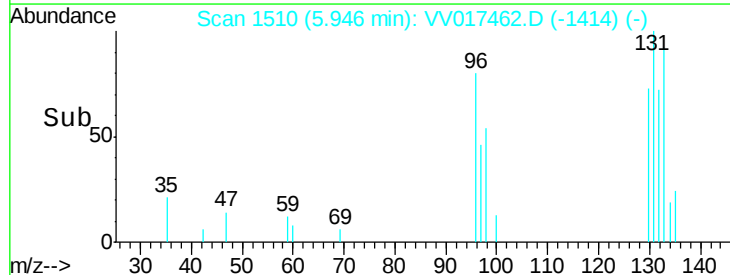
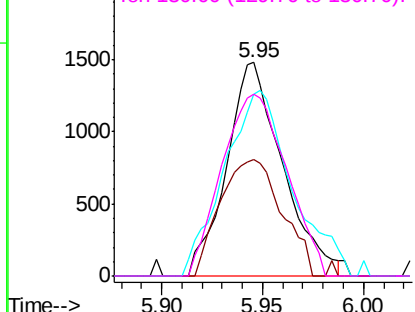
#34

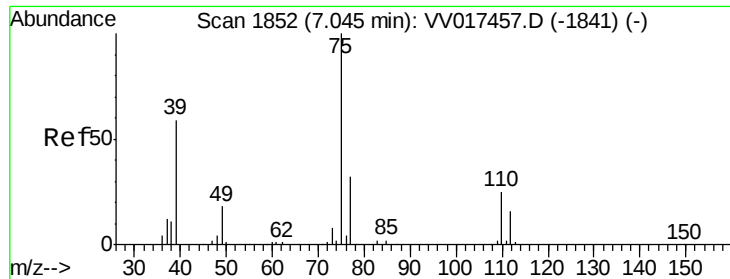
Trichloroethene
Concen: 2.765 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV017462.D
Acq: 13 Jul 2020 12:07

Tgt Ion: 95 Resp: 2876
Ion Ratio Lower Upper
95 100
97 54.4 45.6 84.6
132 84.9 74.1 137.5
130 85.2 75.5 140.3



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





#39

cis-1,3-Dichloropropene

Concen: 2.158 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017462.D

Acq: 13 Jul 2020 12:07

Instrument :

MSVOA_V

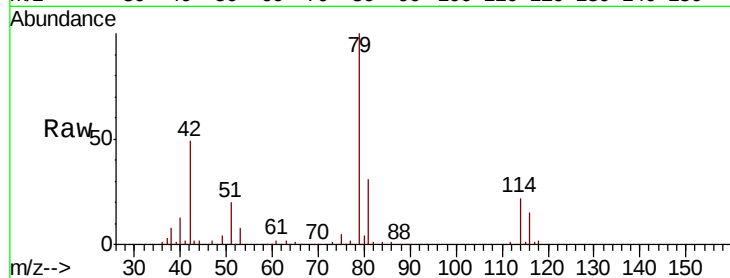
ClientSampleId :

Tot Ion: 75 Resp: 3152

Ion Ratio Lower Upper

75 100

77 38.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.01

1500

1000

500

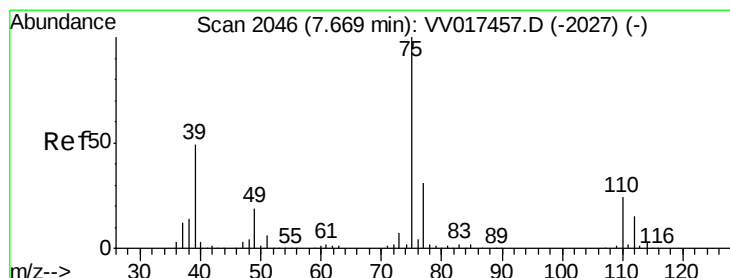
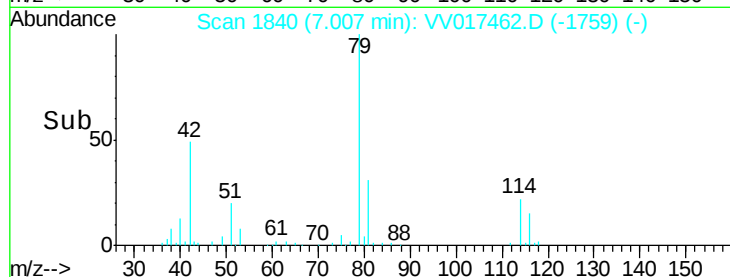
0

6.95

7.00

7.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 1.318 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.02 min

Lab File: VV017462.D

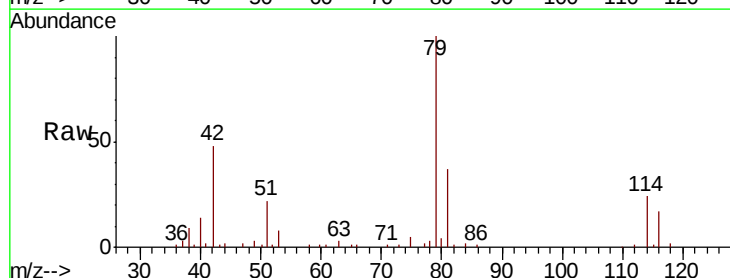
Acq: 13 Jul 2020 12:07

Tgt Ion: 75 Resp: 1991

Ion Ratio Lower Upper

75 100

77 32.9 21.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.65

1000

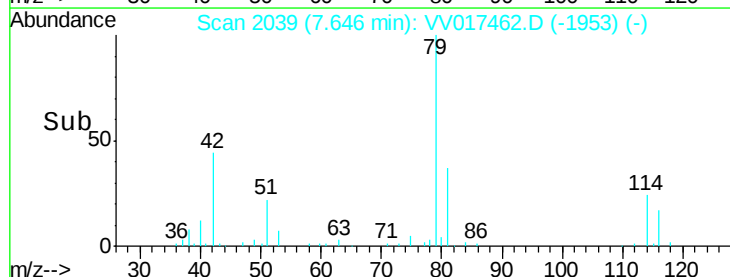
500

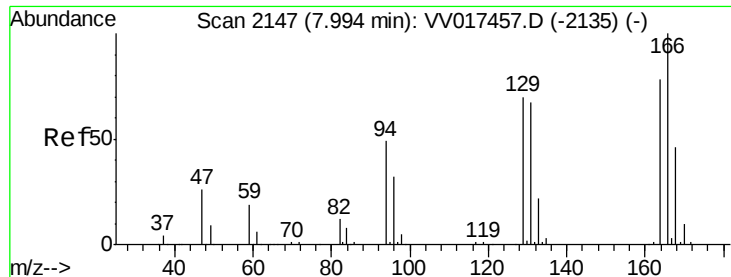
0

7.60

7.65

Time-->

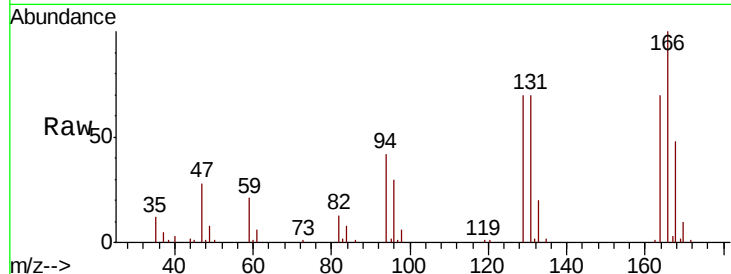




#46
Tetrachloroethene
Concen: 14.719 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017462.D
Acq: 13 Jul 2020 12:07

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
129	99.6	66.6	123.8
131	99.4	65.5	121.7
166	142.8	93.9	174.5



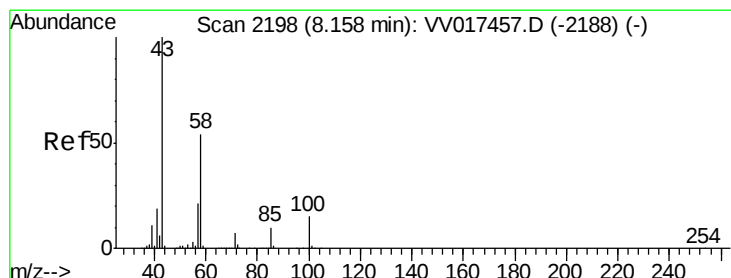
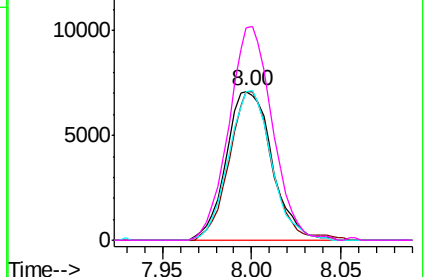
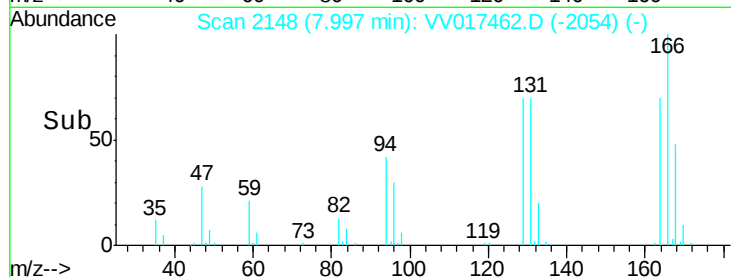
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

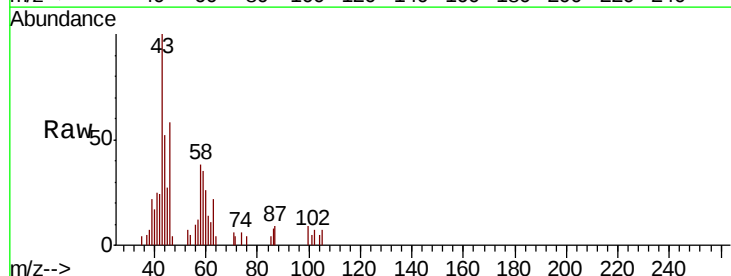
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 6.021 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017462.D
Acq: 13 Jul 2020 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	21.1	42.6	64.0#
57	6.7	16.2	24.4#
100	5.1	10.9	16.3#



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

