

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\
 Data File : VV017897.D
 Acq On : 10 Aug 2020 15:17
 Operator : SY/MD
 Sample : L3608-05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 11 02:20:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:17:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	241374	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	231533	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	118999	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	54682	43.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.74%
7) Chloroethane-d5	1.58	69	49025	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.58%
11) 1,1-Dichloroethene-d2	2.12	63	97958	32.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.42%
21) 2-Butanone-d5	3.91	46	77056	98.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.72%
24) Chloroform-d	4.37	84	152430	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.28%
26) 1,2-Dichloroethane-d4	5.06	65	116847	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.40%
32) Benzene-d6	5.07	84	258161	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
36) 1,2-Dichloropropane-d6	6.09	67	65880	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.20%
41) Toluene-d8	7.34	98	247249	46.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.02%
43) trans-1,3-Dichloropropene-	7.64	79	40470	46.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.72%
47) 2-Hexanone-d5	8.11	63	45989	93.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.67%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	98484	46.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	119270	49.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.32%

Target Compounds

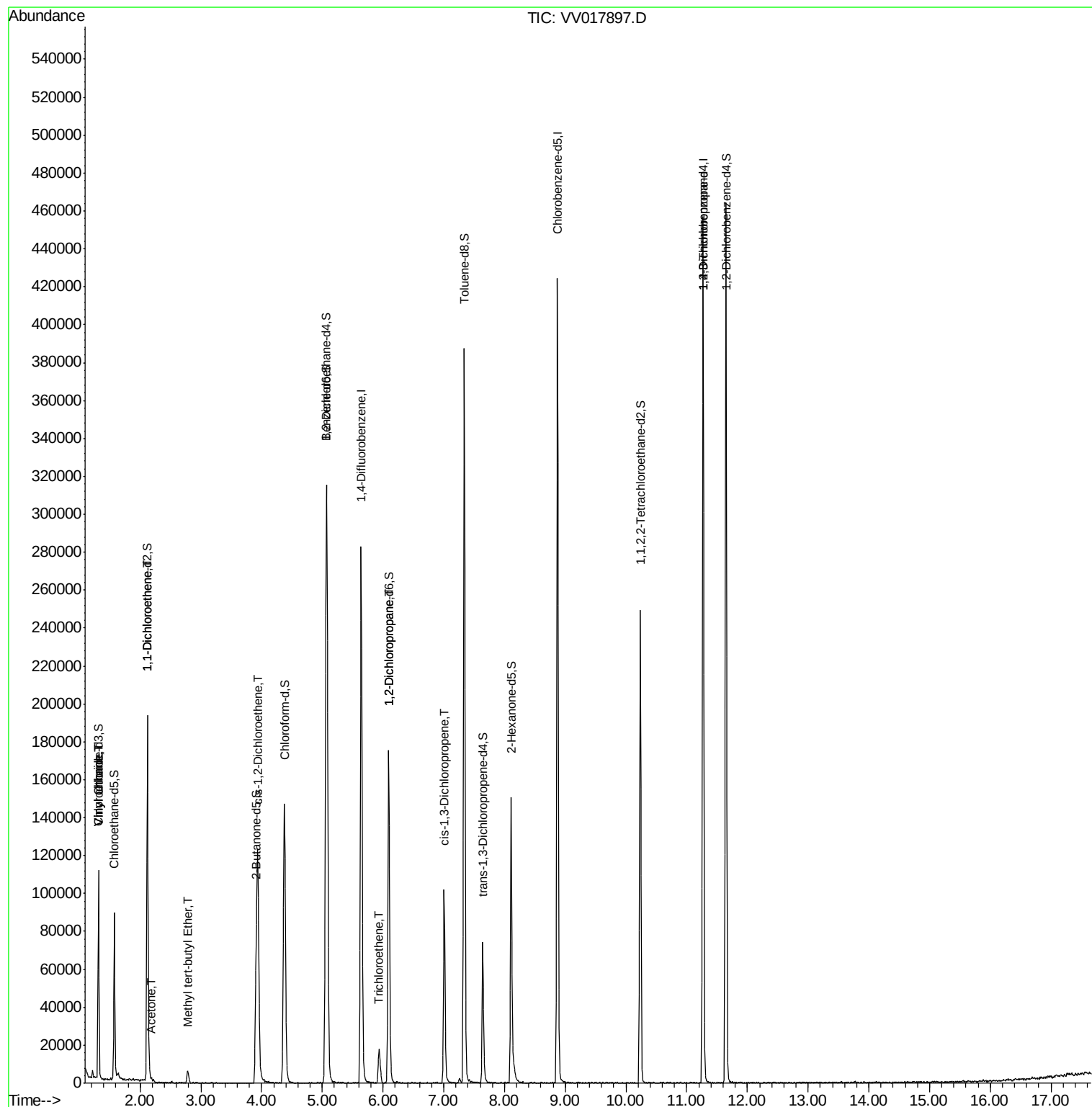
					Ovalue
5) Vinyl chloride	1.32	62	10920	7.743 ug/L	96
8) Chloroethane	1.32	64	4940	5.550 ug/L	93
12) 1,1-Dichloroethene	2.12	96	983	0.691 ug/L #	1
13) Acetone	2.19	43	2034	2.002 ug/L	84
18) Methyl tert-butyl Ether	2.79	73	4657	0.932 ug/L #	83
20) cis-1,2-Dichloroethene	3.94	96	59461	37.932 ug/L	95
34) Trichloroethene	5.95	95	3456	2.089 ug/L	94
37) 1,2-Dichloropropane	6.09	63	10531	8.794 ug/L #	79
39) cis-1,3-Dichloropropene	7.01	75	2604	1.264 ug/L #	71
59) 1,2,3-Trichloropropane	11.27	75	10004	5.425 ug/L #	74

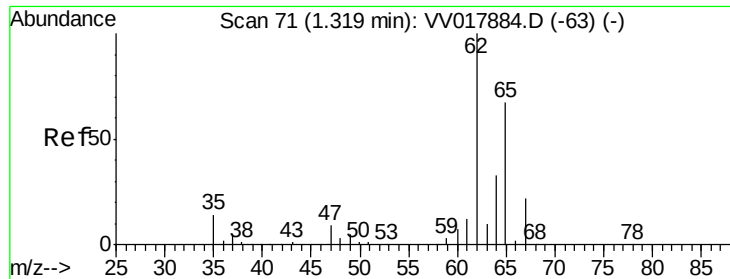
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.743 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017897.D

Acq: 10 Aug 2020 15:17

Instrument :

MSVOA_V

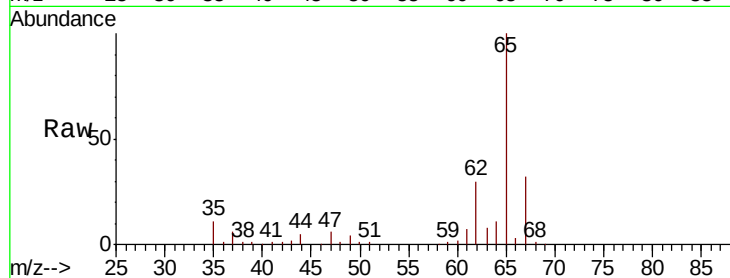
ClientSampled :

Tot Ion: 62 Resp: 10920

Ion Ratio Lower Upper

62 100

64 36.6 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

12000

10000

8000

6000

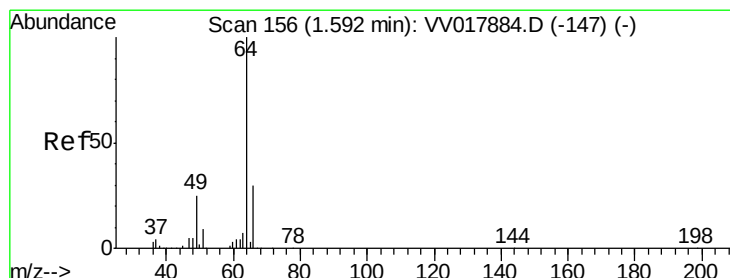
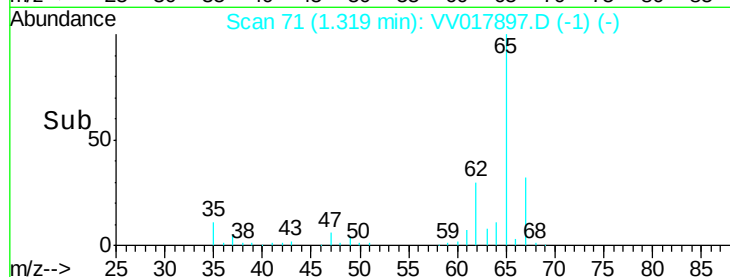
4000

2000

0

1.28 1.30 1.32 1.34

Time-->



#8

Chloroethane

Concen: 5.550 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV017897.D

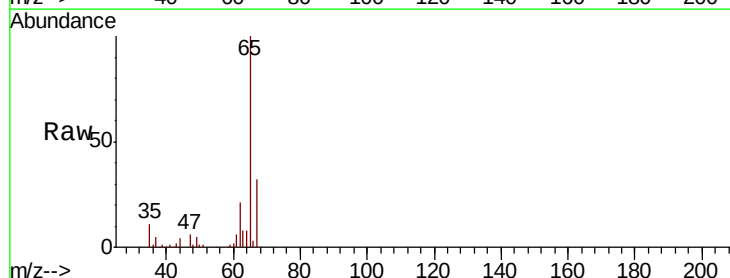
Acq: 10 Aug 2020 15:17

Tgt Ion: 64 Resp: 4940

Ion Ratio Lower Upper

64 100

66 37.1 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

5000

4000

3000

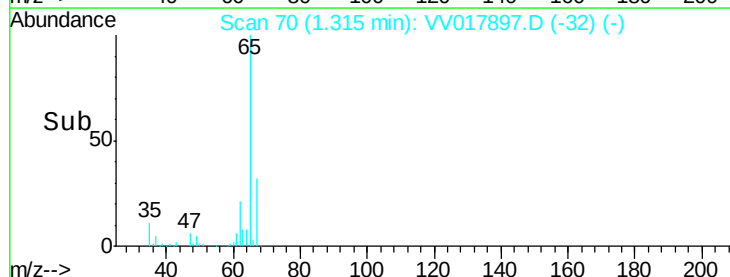
2000

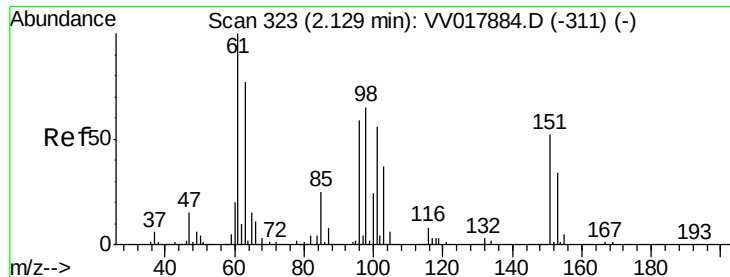
1000

0

1.30 1.32 1.34

Time-->





#12

1,1-Dichloroethene

Concen: 0.691 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV017897.D

Acq: 10 Aug 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

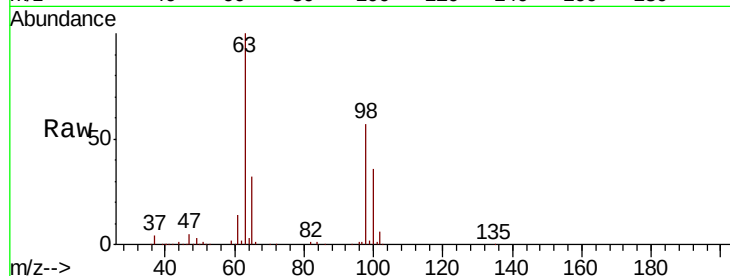
Tot Ion: 96 Resp: 983

Ion Ratio Lower Upper

96 100

61 1373.3 121.1 224.9#

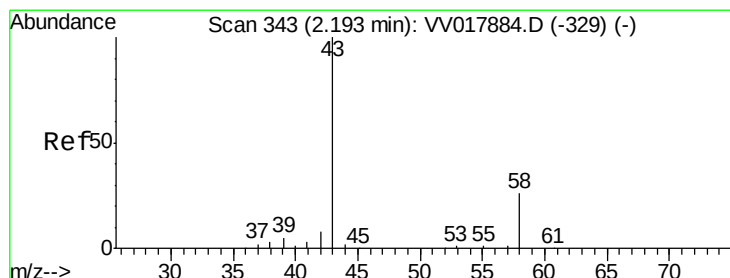
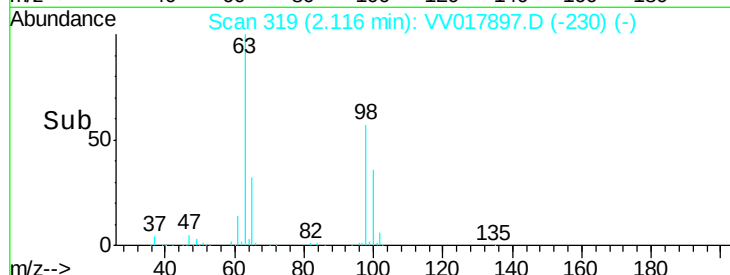
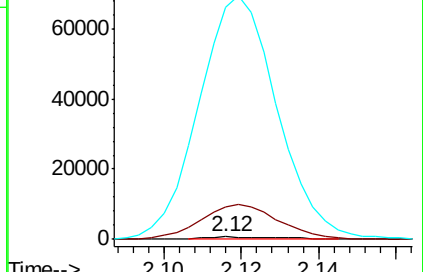
63 9697.4 98.1 182.1#



Abundance Ion 96.00 (95.70 to 96.70): VV017897.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017897.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017897.D (-230) (-)



#13

Acetone

Concen: 2.002 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV017897.D

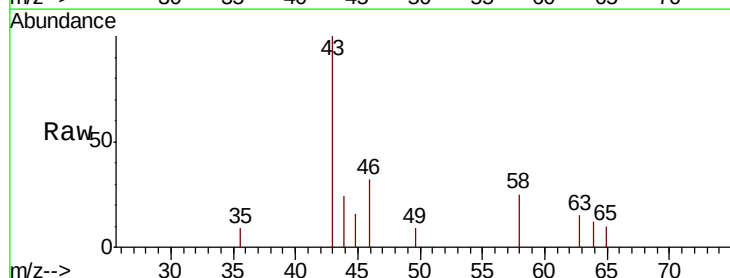
Acq: 10 Aug 2020 15:17

Tgt Ion: 43 Resp: 2034

Ion Ratio Lower Upper

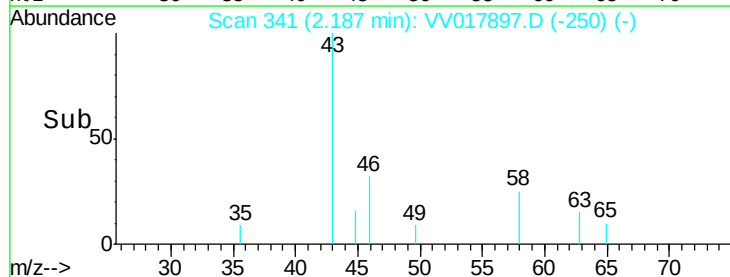
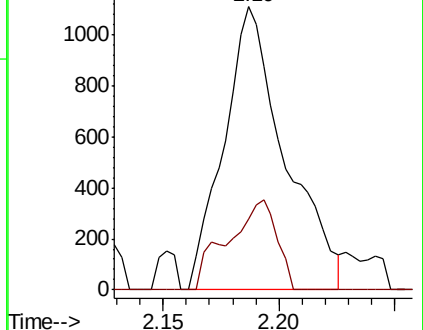
43 100

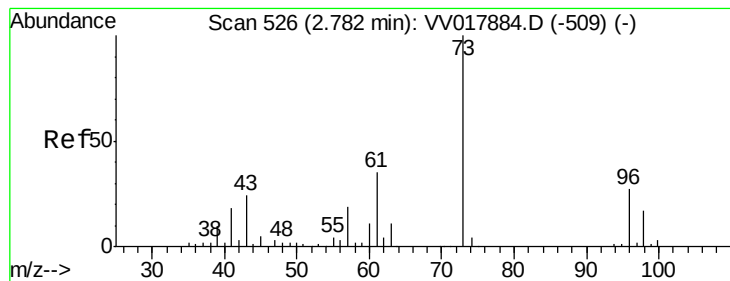
58 19.0 0.0 54.8



Abundance Ion 43.00 (42.70 to 43.70): VV017897.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV017897.D (-250) (-)



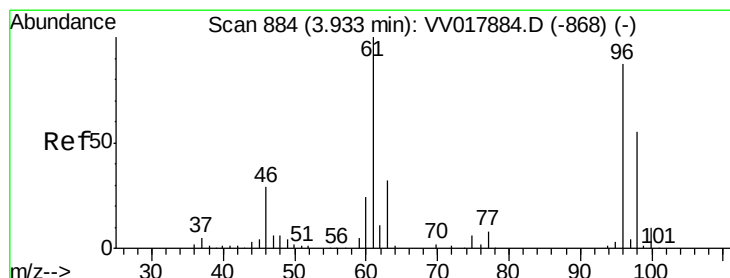
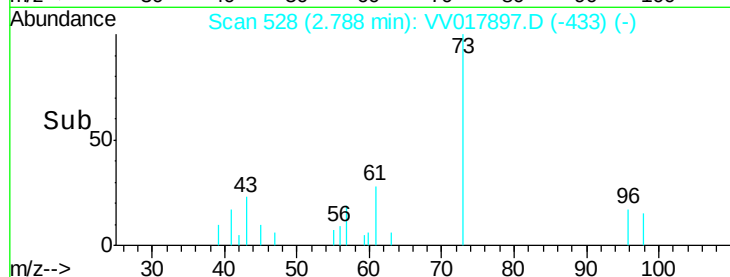
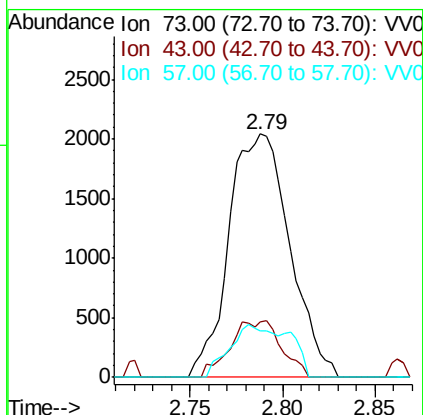
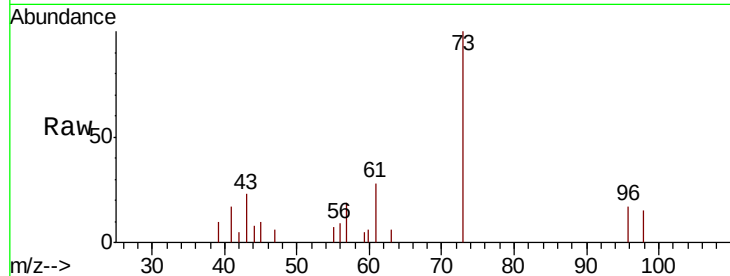


#18

Methyl tert-butyl Ether
 Concen: 0.932 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VV017897.D
 Acq: 10 Aug 2020 15:17

Instrument :
 MSVOA_V
 ClientSampled :

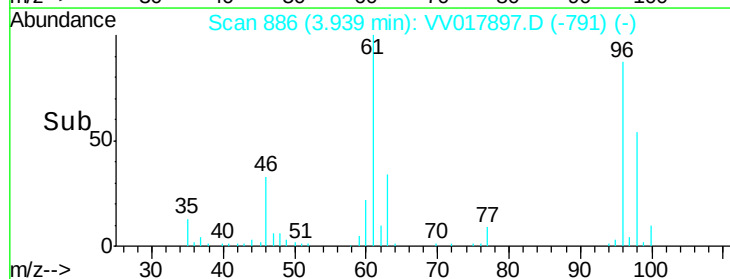
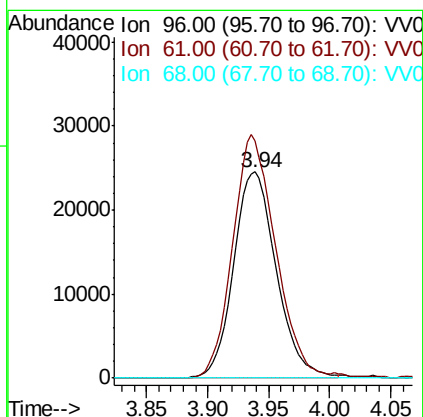
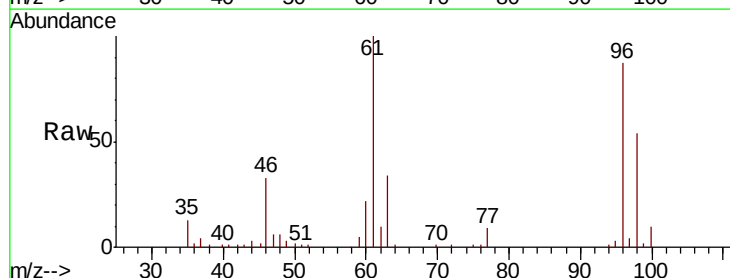
Tot Ion: 73 Resp: 4657
 Ion Ratio Lower Upper
 73 100
 43 10.3 18.1 27.1#
 57 15.7 14.5 21.7

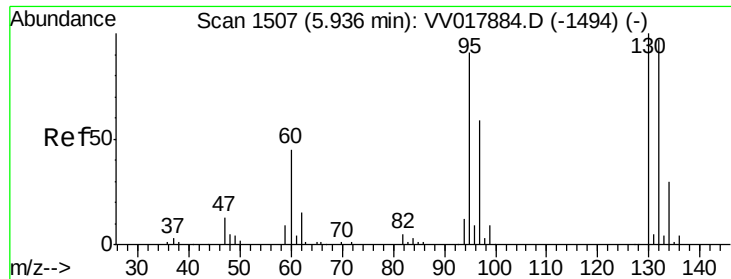


#20

cis-1,2-Dichloroethene
 Concen: 37.932 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017897.D
 Acq: 10 Aug 2020 15:17

Tgt Ion: 96 Resp: 59461
 Ion Ratio Lower Upper
 96 100
 61 114.9 84.4 156.8
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 2.089 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV017897.D

Acq: 10 Aug 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 3456

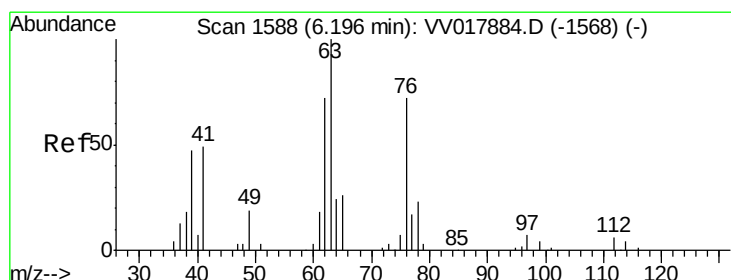
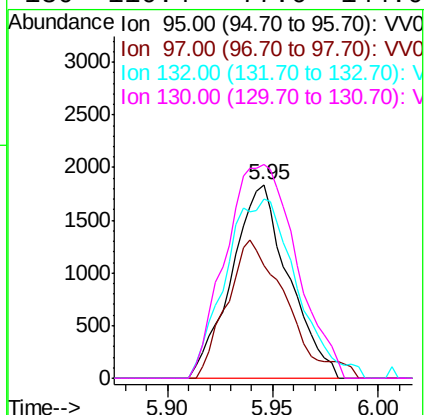
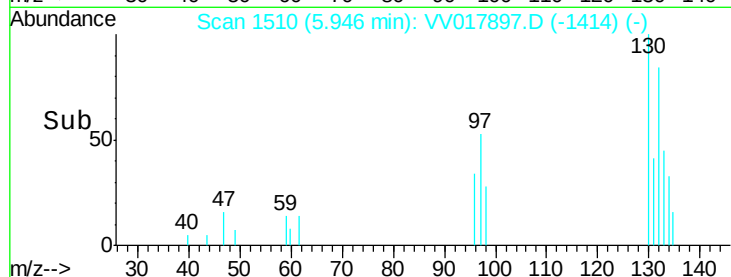
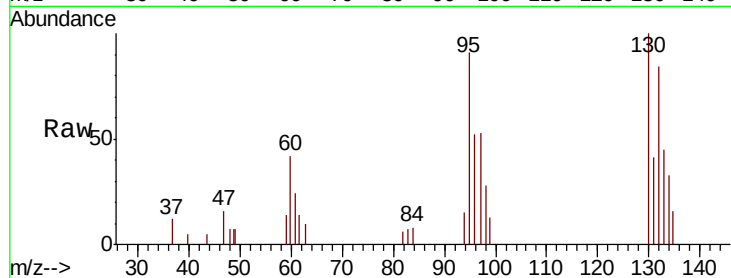
Ion Ratio Lower Upper

95 100

97 58.5 44.7 83.1

132 92.5 73.6 136.8

130 110.4 77.6 144.0



#37

1,2-Dichloropropane

Concen: 8.794 ug/L

RT: 6.09 min Scan# 1555

Delta R.T. -0.11 min

Lab File: VV017897.D

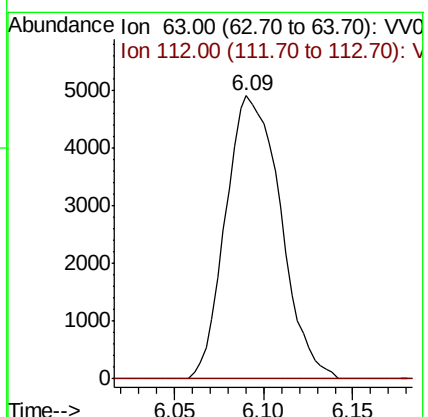
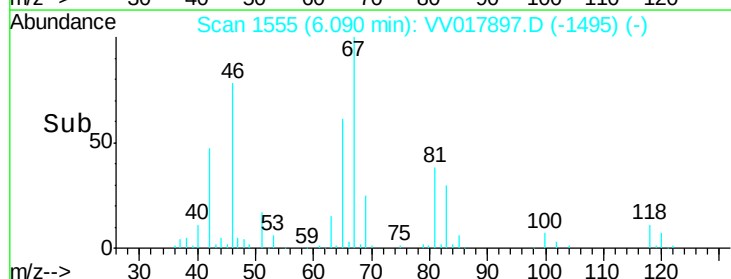
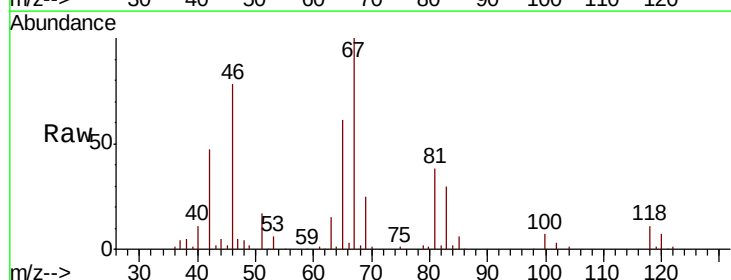
Acq: 10 Aug 2020 15:17

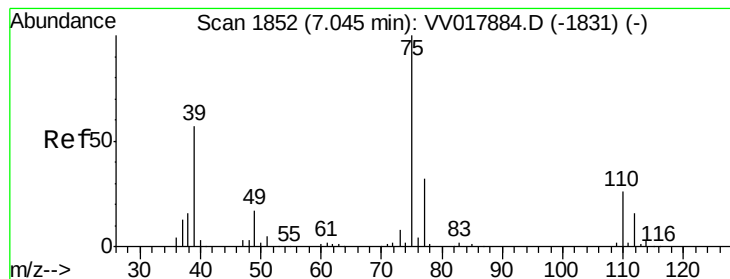
Tgt Ion: 63 Resp: 10531

Ion Ratio Lower Upper

63 100

112 0.0 5.8 8.6#



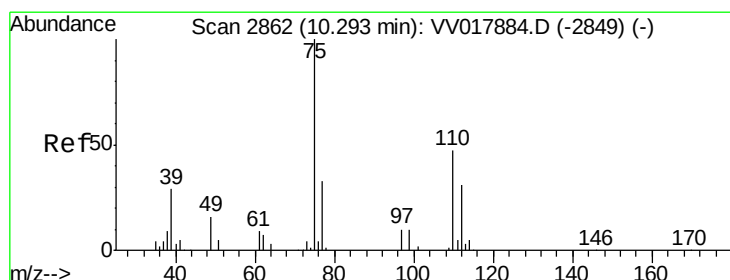
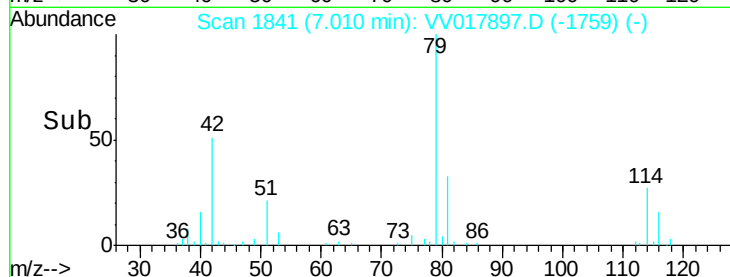
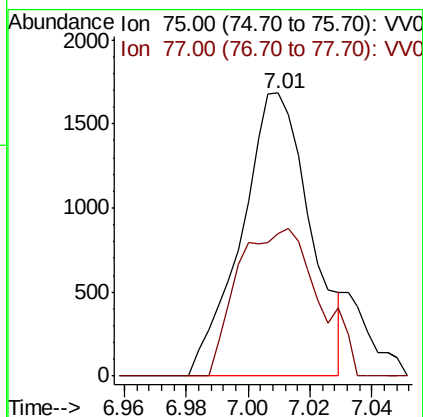
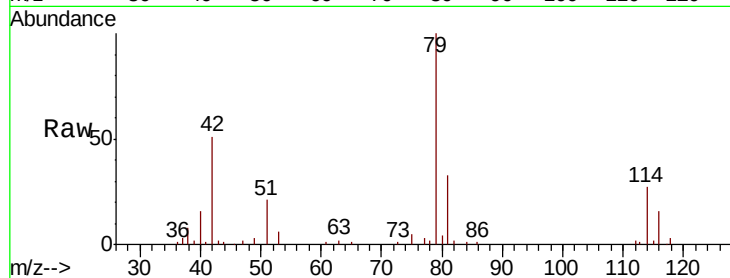


#39

cis-1,3-Dichloropropene
Concen: 1.264 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017897.D
Acq: 10 Aug 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 2604
Ion Ratio Lower Upper
75 100
77 50.6 23.7 44.1#



#59

1,2,3-Trichloropropane
Concen: 5.425 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV017897.D
Acq: 10 Aug 2020 15:17

Tgt Ion: 75 Resp: 10004
Ion Ratio Lower Upper
75 100
77 47.8 26.4 39.6#

