

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\
 Data File : VV017899.D
 Acq On : 10 Aug 2020 16:04
 Operator : SY/MD
 Sample : L3608-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L85

Quant Time: Aug 11 02:21:19 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	240757	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	230141	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120000	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	51121	41.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.24%
7) Chloroethane-d5	1.58	69	45233	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.64%
11) 1,1-Dichloroethene-d2	2.12	63	91321	30.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.14%
21) 2-Butanone-d5	3.91	46	77749	99.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.86%
24) Chloroform-d	4.38	84	141975	43.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.10%
26) 1,2-Dichloroethane-d4	5.06	65	113123	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.52%
32) Benzene-d6	5.07	84	239717	45.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.22%
36) 1,2-Dichloropropane-d6	6.09	67	64843	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.24%
41) Toluene-d8	7.34	98	236224	44.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.44%
43) trans-1,3-Dichloropropene-	7.64	79	41565	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.80%
47) 2-Hexanone-d5	8.11	63	47182	96.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.68%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	98089	46.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	116696	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

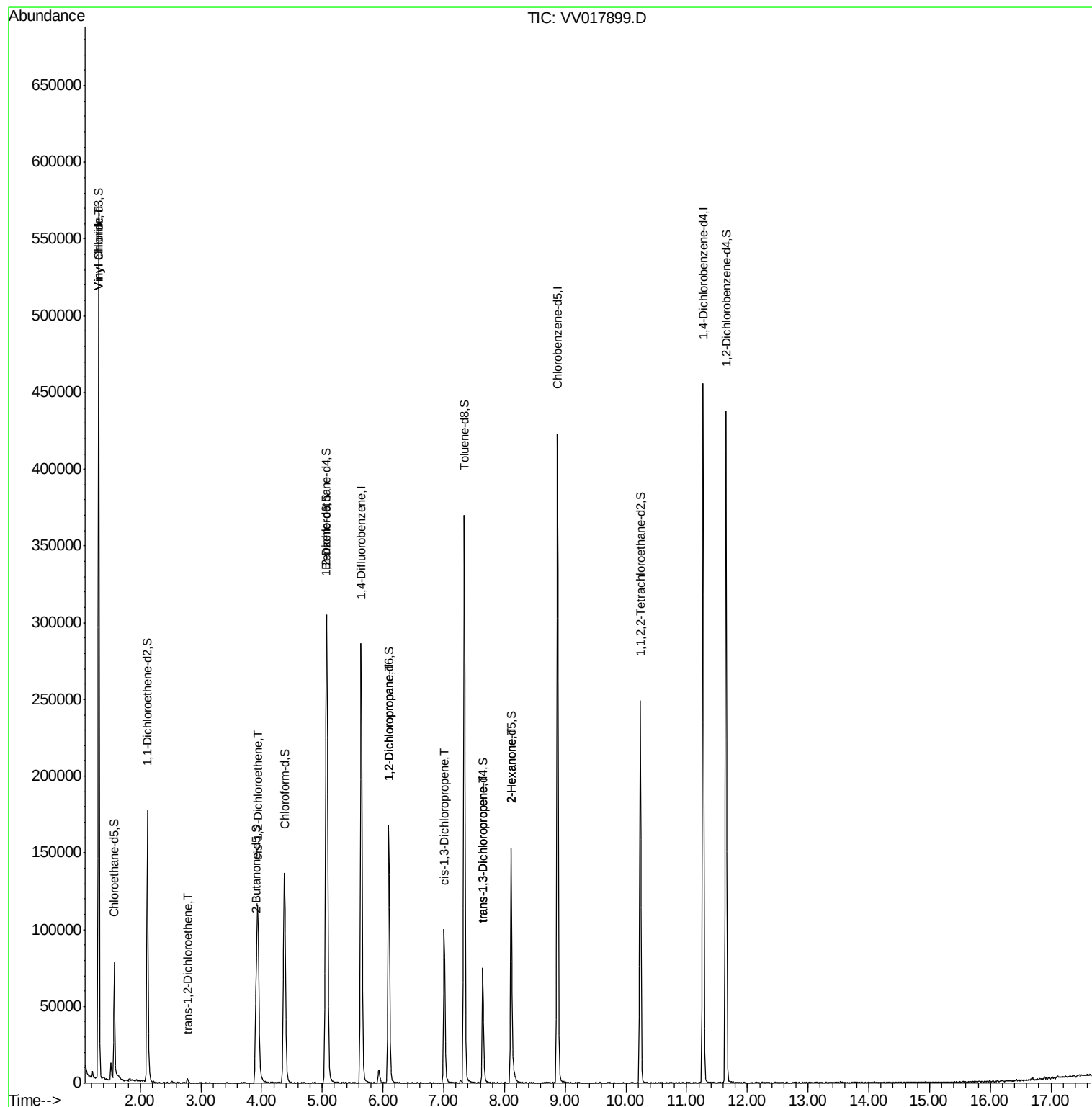
					Ovalue
5) Vinyl chloride	1.32	62	293998	208.998	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	1021	0.705	ug/L # 74
20) cis-1,2-Dichloroethene	3.94	96	55813	35.696	ug/L 95
37) 1,2-Dichloropropane	6.10	63	10374	8.715	ug/L # 79
39) cis-1,3-Dichloropropene	7.01	75	2659	1.299	ug/L 87
44) trans-1,3-Dichloropropene	7.65	75	2006	0.932	ug/L 91
48) 2-Hexanone	8.11	43	6589	5.068	ug/L # 68

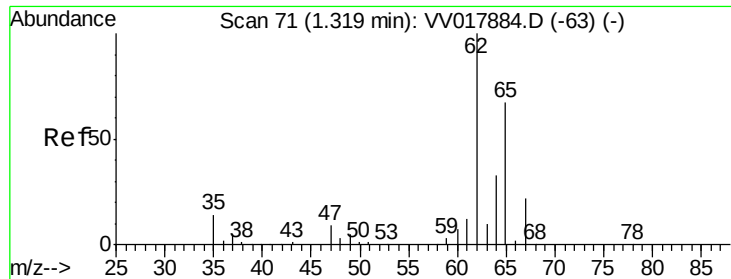
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 208.998 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

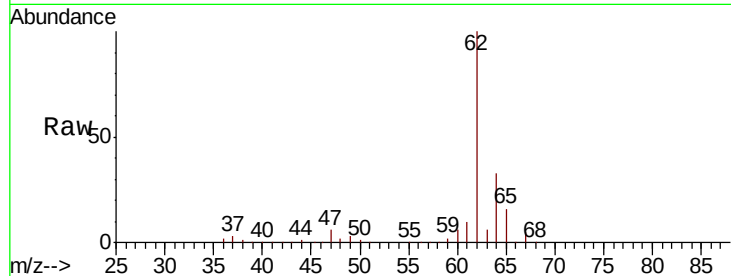
F2L85

Tot Ion: 62 Resp: 293998

Ion Ratio Lower Upper

62 100

64 32.8 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

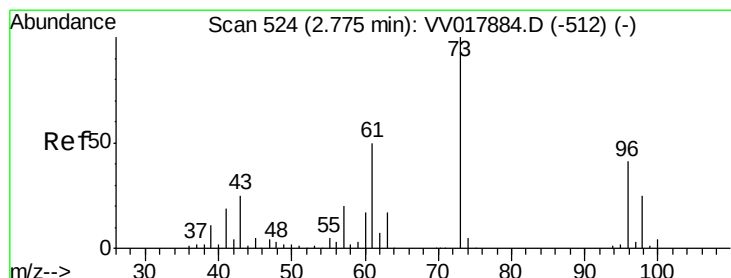
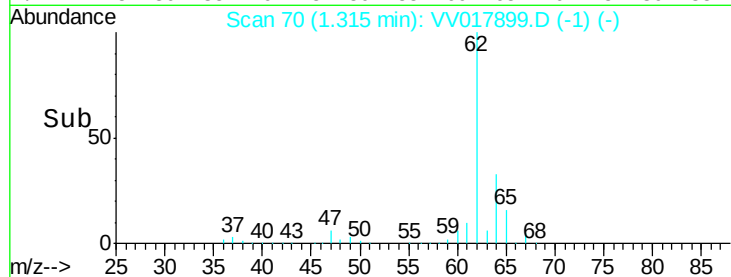
300000

200000

100000

0

Time-->



#17

trans-1,2-Dichloroethene

Concen: 0.705 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017899.D

Acq: 10 Aug 2020 16:04

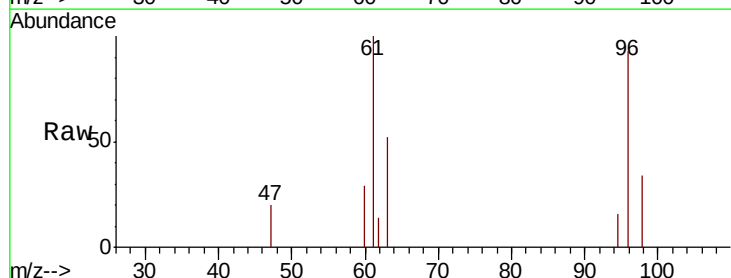
Tgt Ion: 96 Resp: 1021

Ion Ratio Lower Upper

96 100

61 108.1 92.4 171.6

98 37.1 47.5 88.1#



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

1200

1000

800

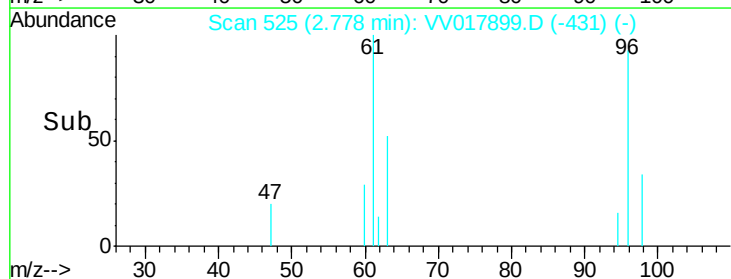
600

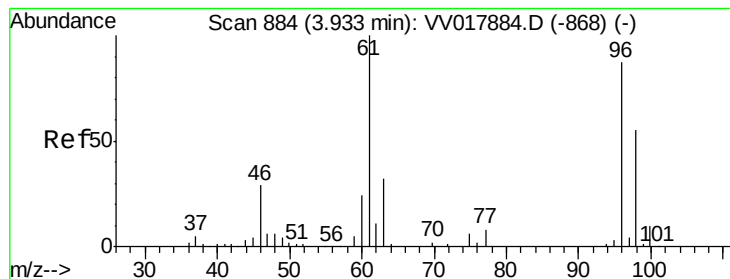
400

200

0

Time-->





#20

cis-1,2-Dichloroethene

Concen: 35.696 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV017899.D

Acq: 10 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

F2L85

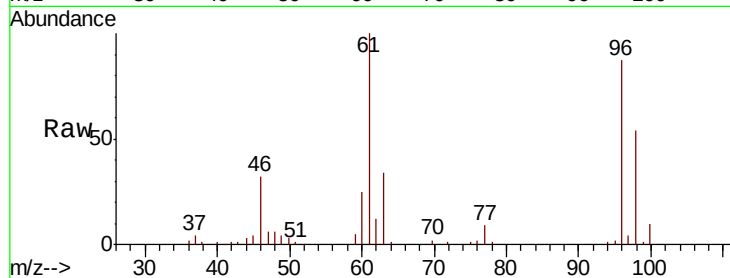
Tot Ion: 96 Resp: 55813

Ion Ratio Lower Upper

96 100

61 115.0 84.4 156.8

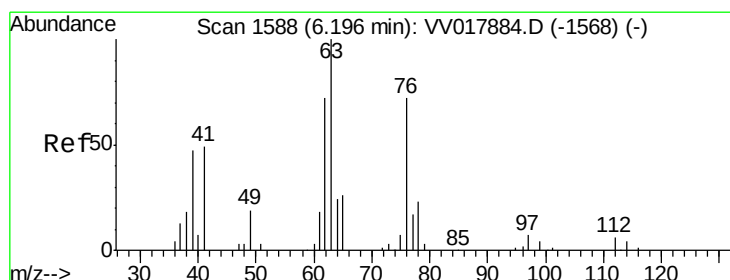
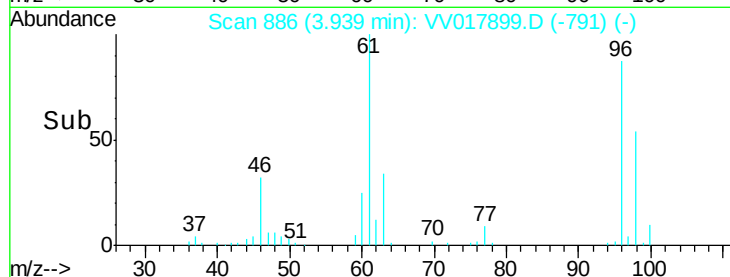
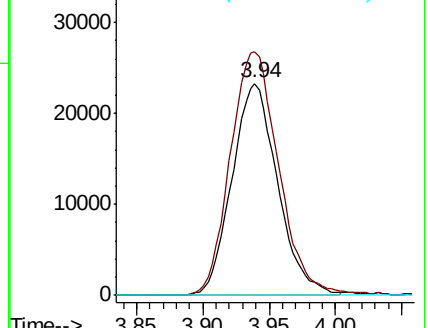
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017884.D (-868) (-)

Ion 61.00 (60.70 to 61.70): VV017884.D (-868) (-)

Ion 68.00 (67.70 to 68.70): VV017884.D (-868) (-)



#37

1,2-Dichloropropane

Concen: 8.715 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017899.D

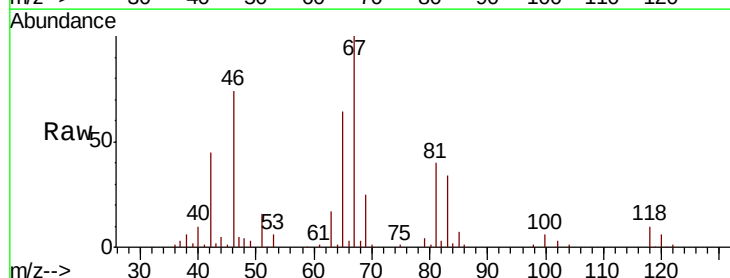
Acq: 10 Aug 2020 16:04

Tgt Ion: 63 Resp: 10374

Ion Ratio Lower Upper

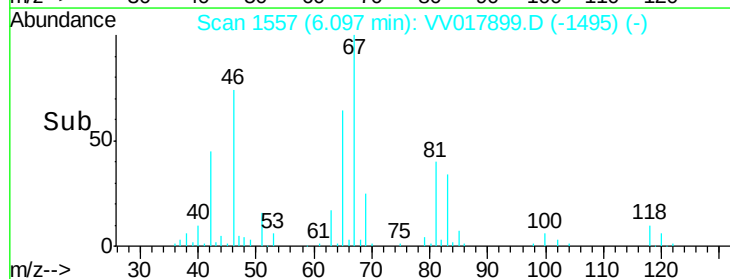
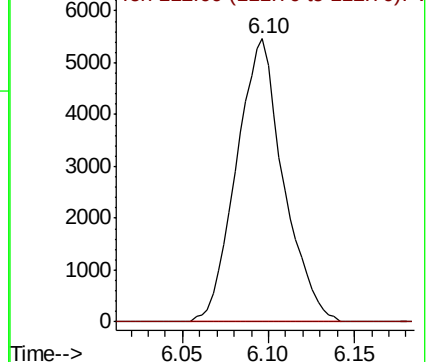
63 100

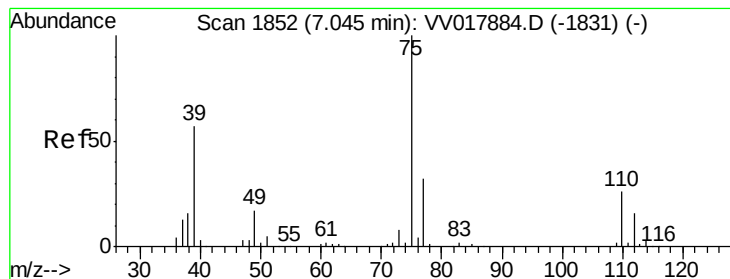
112 0.0 5.8 8.6#



Abundance Ion 63.00 (62.70 to 63.70): VV017884.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV017884.D (-1568) (-)





#39

cis-1,3-Dichloropropene

Concen: 1.299 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV017899.D

Acq: 10 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

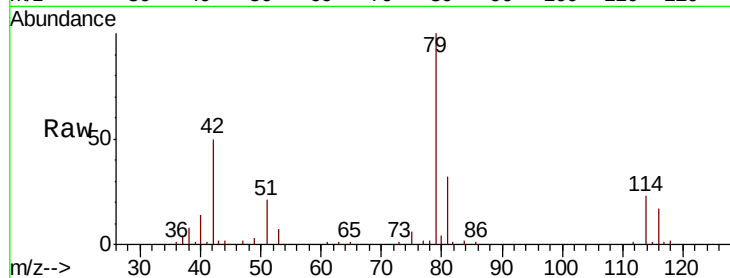
F2L85

Tot Ion: 75 Resp: 2659

Ion Ratio Lower Upper

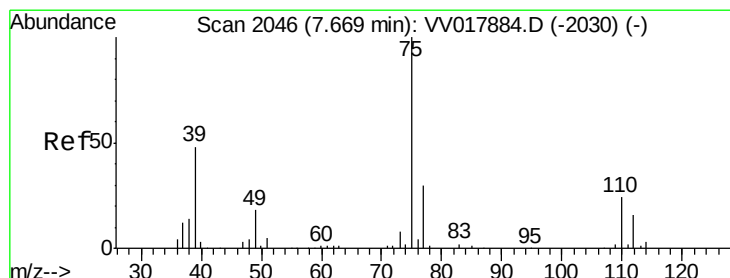
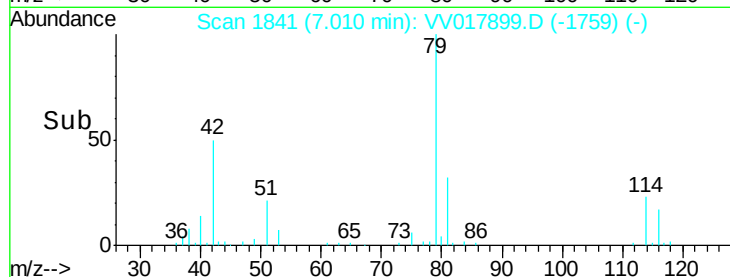
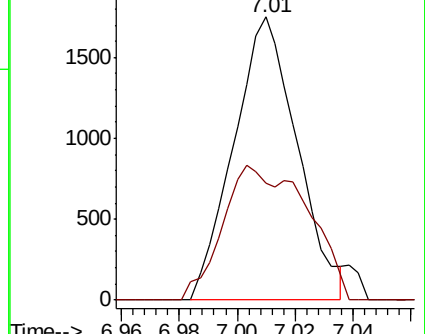
75 100

77 41.1 23.7 44.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.932 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV017899.D

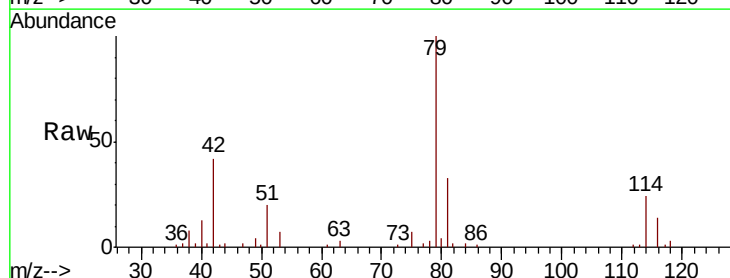
Acq: 10 Aug 2020 16:04

Tgt Ion: 75 Resp: 2006

Ion Ratio Lower Upper

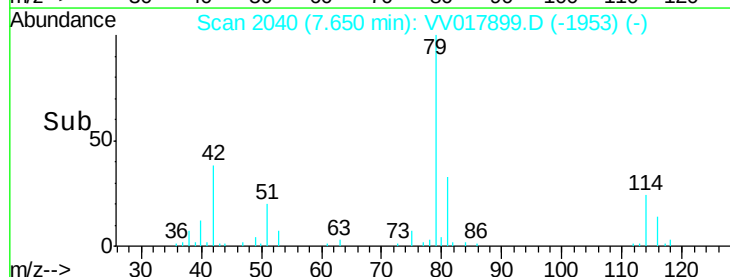
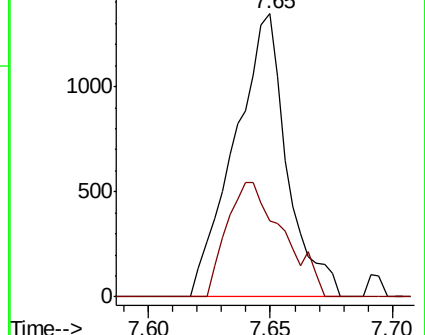
75 100

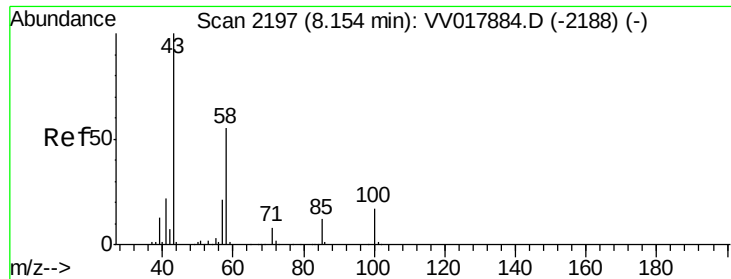
77 27.0 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#48

2-Hexanone

Concen: 5.068 ug/L

RT: 8.11 min Scan# 2183

Delta R.T. -0.05 min

Lab File: VV017899.D

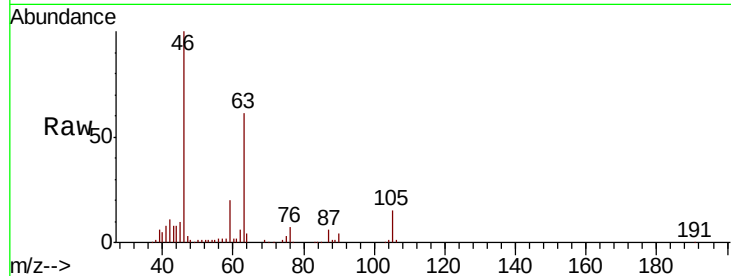
Acq: 10 Aug 2020 16:04

Instrument :

MSVOA_V

ClientSampleId :

F2L85



Tot Ion: 43 Resp: 6589

Ion Ratio Lower Upper

43 100

58 29.6 43.8 65.8#

57 31.4 18.0 27.0#

100 0.0 13.8 20.8#

