

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\
 Data File : VV016727.D
 Acq On : 09 Jun 2020 19:12
 Operator : SY/MD
 Sample : L2901-22
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTS3

Quant Time: Jun 10 03:45:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 03:42:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	348450	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	336148	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170349	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	82479	33.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.10%
7) Chloroethane-d5	1.56	69	58906	39.93	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.86%
11) 1,1-Dichloroethene-d2	2.12	63	110224	26.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.40%#
21) 2-Butanone-d5	3.89	46	199689	109.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.73%
24) Chloroform-d	4.37	84	210021	42.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.02%
26) 1,2-Dichloroethane-d4	5.05	65	151009	44.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.82%
32) Benzene-d6	5.07	84	390232	40.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.54%
36) 1,2-Dichloropropane-d6	6.09	67	127633	42.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.52%
41) Toluene-d8	7.34	98	347156	39.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.08%#
43) trans-1,3-Dichloropropene-	7.64	79	61916	39.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.72%
47) 2-Hexanone-d5	8.11	63	141539	107.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	190888	47.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	164456	45.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.48%

Target Compounds

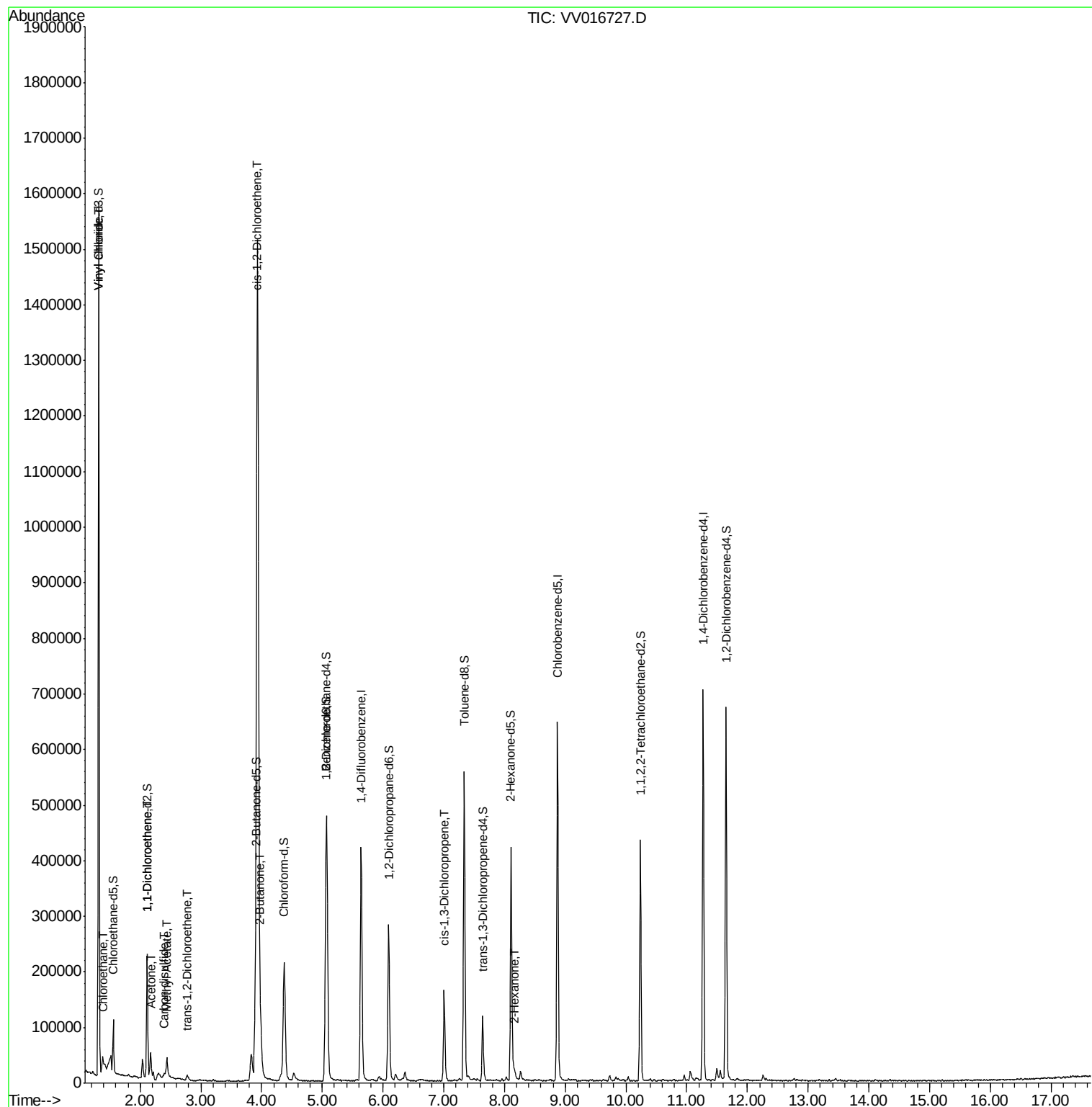
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	841359	338.659	ug/L	100
8) Chloroethane	1.40	64	25916	21.118	ug/L #	51
12) 1,1-Dichloroethene	2.12	96	1411	0.816	ug/L #	1
13) Acetone	2.17	43	48539	40.482	ug/L	98
14) Carbon disulfide	2.40	76	14380	2.297	ug/L	97
15) Methyl Acetate	2.44	43	35105	13.136	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	3377	1.432	ug/L	88
20) cis-1,2-Dichloroethene	3.93	96	812228	315.955	ug/L	99
22) 2-Butanone	3.98	43	158524	85.736	ug/L	97
39) cis-1,3-Dichloropropene	7.01	75	4668	1.162	ug/L #	82
48) 2-Hexanone	8.16	43	9724	3.422	ug/L #	83

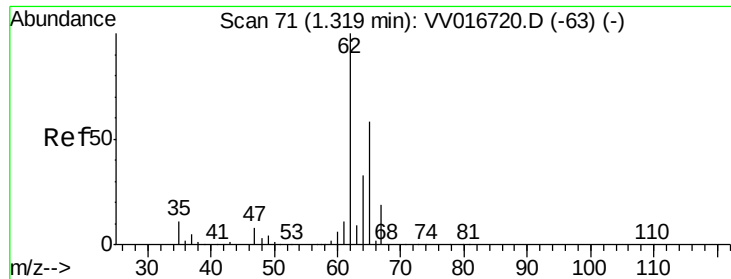
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Jun 10 03:42:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 338.659 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016727.D

Acq: 09 Jun 2020 19:12

Instrument :

MSVOA_V

ClientSampleId :

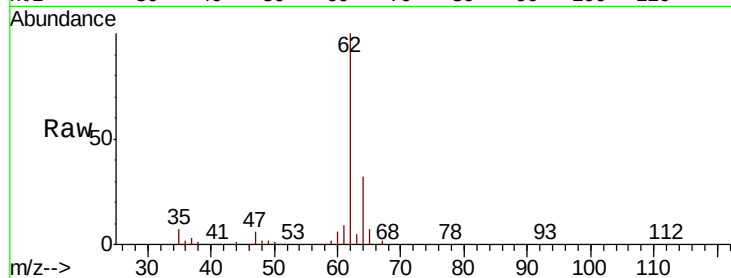
ETTS3

Tot Ion: 62 Resp: 841359

Ion Ratio Lower Upper

62 100

64 32.1 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

800000

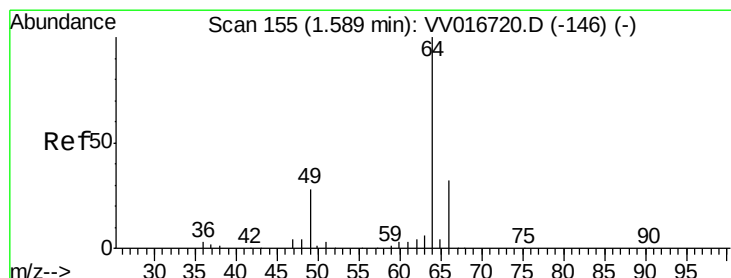
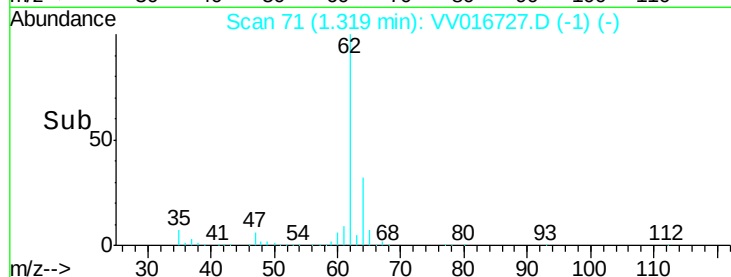
600000

400000

200000

0

Time-->



#8

Chloroethane

Concen: 21.118 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.19 min

Lab File: VV016727.D

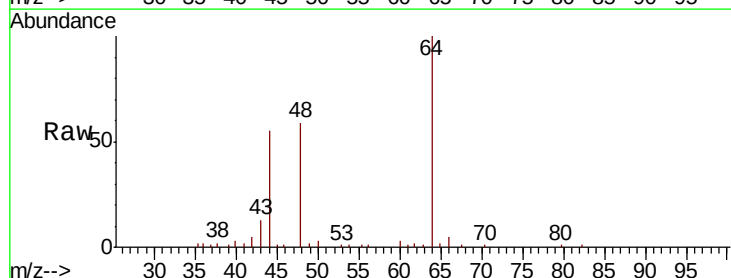
Acq: 09 Jun 2020 19:12

Tgt Ion: 64 Resp: 25916

Ion Ratio Lower Upper

64 100

66 5.2 23.2 43.0#



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

300000

250000

200000

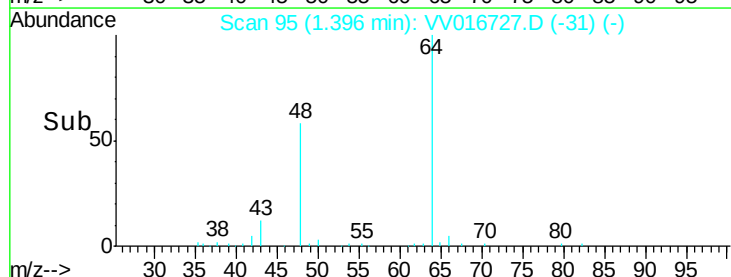
150000

100000

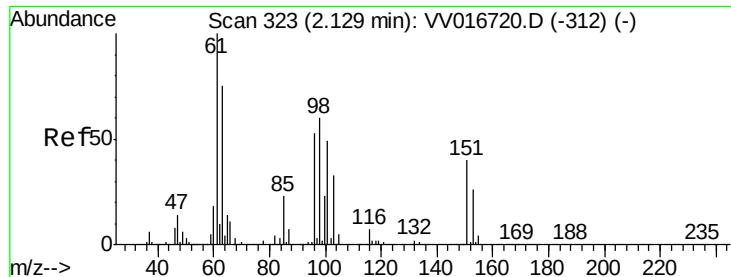
50000

0

Time-->



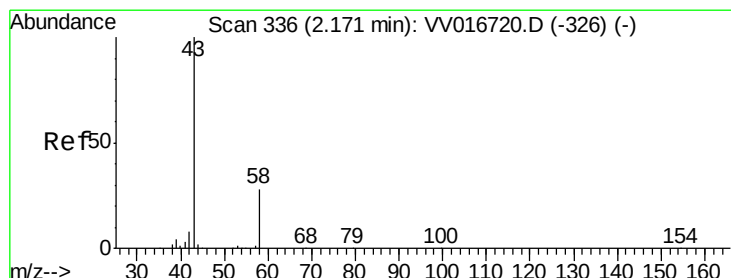
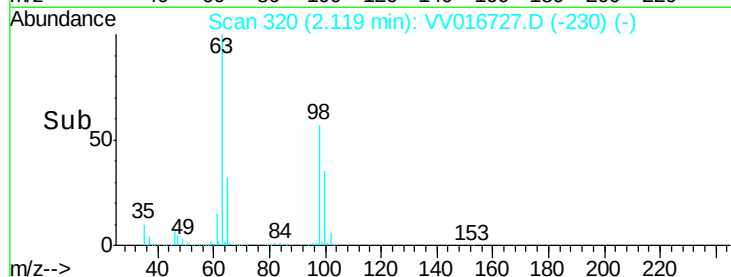
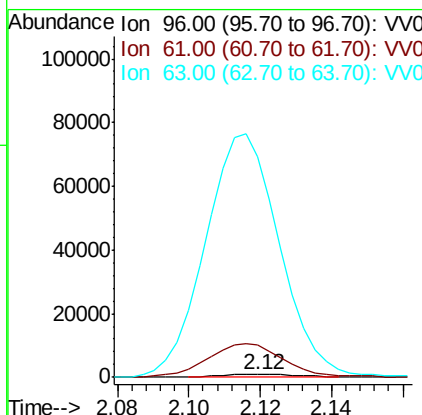
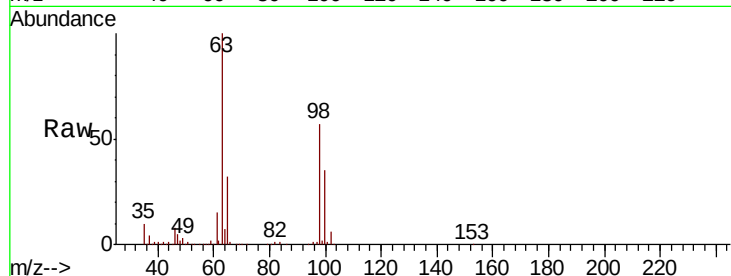
Time-->



#12
 1,1-Dichloroethene
 Concen: 0.816 ug/L
 RT: 2.12 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: VV016727.D
 Acq: 09 Jun 2020 19:12

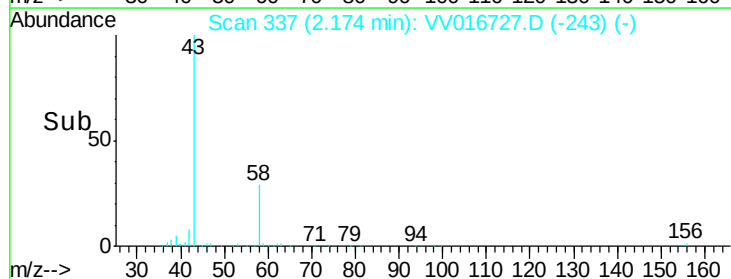
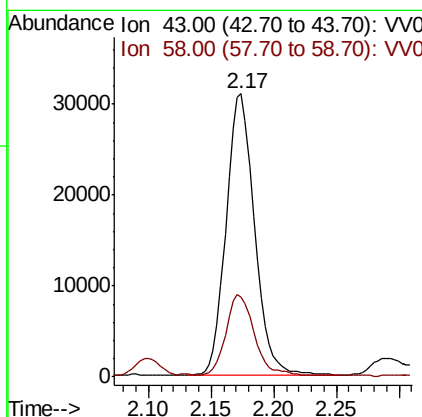
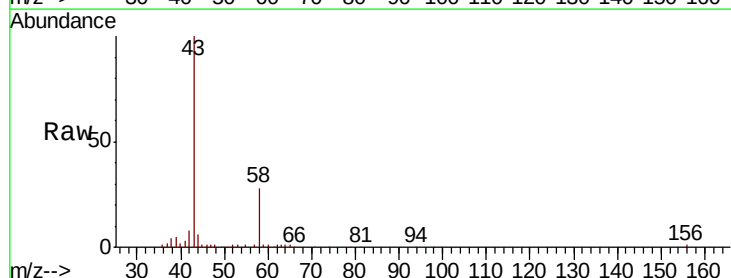
Instrument :
 MSVOA_V
 ClientSampleId :
 ETTS3

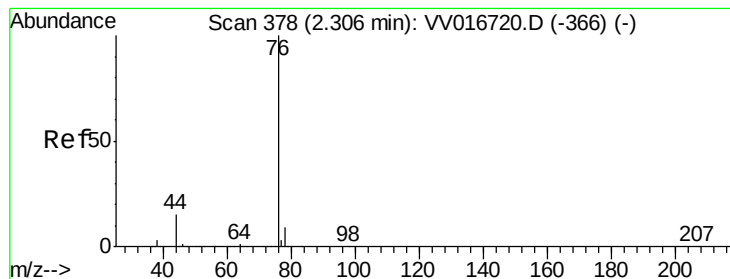
Tot Ion: 96 Resp: 1411
 Ion Ratio Lower Upper
 96 100
 61 1162.6 130.4 242.2#
 63 7988.9 103.3 191.9#



#13
 Acetone
 Concen: 40.482 ug/L
 RT: 2.17 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VV016727.D
 Acq: 09 Jun 2020 19:12

Tgt Ion: 43 Resp: 48539
 Ion Ratio Lower Upper
 43 100
 58 28.6 0.0 55.2





#14

Carbon disulfide

Concen: 2.297 ug/L

RT: 2.40 min Scan# 407

Delta R.T. 0.09 min

Lab File: VV016727.D

Acq: 09 Jun 2020 19:12

Instrument :

MSVOA_V

ClientSampleId :

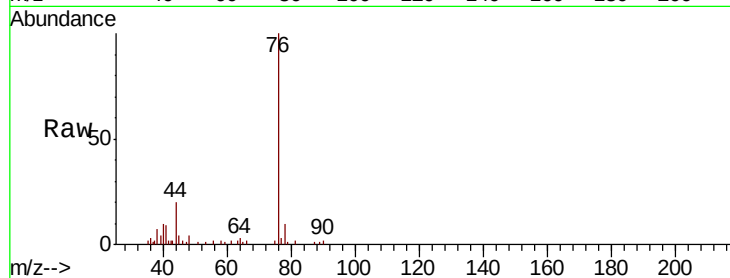
ETTS3

Tot Ion: 76 Resp: 14380

Ion Ratio Lower Upper

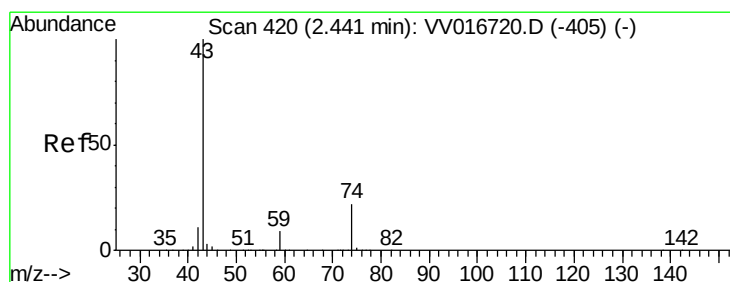
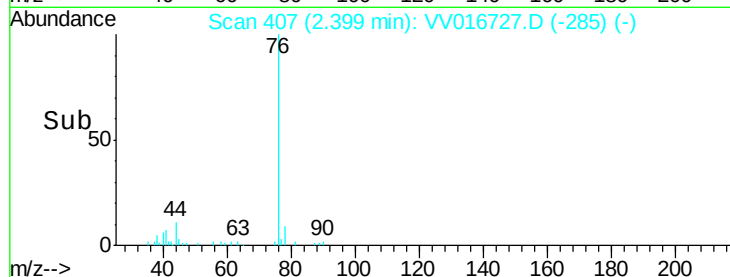
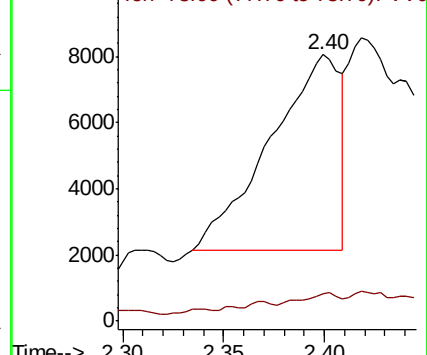
76 100

78 10.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 13.136 ug/L

RT: 2.44 min Scan# 420

Delta R.T. -0.00 min

Lab File: VV016727.D

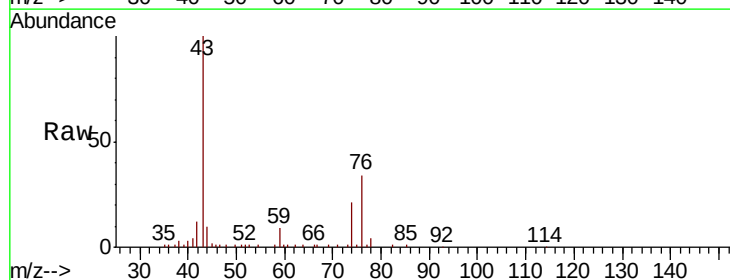
Acq: 09 Jun 2020 19:12

Tgt Ion: 43 Resp: 35105

Ion Ratio Lower Upper

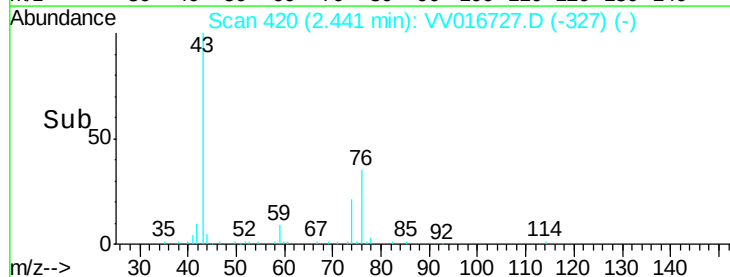
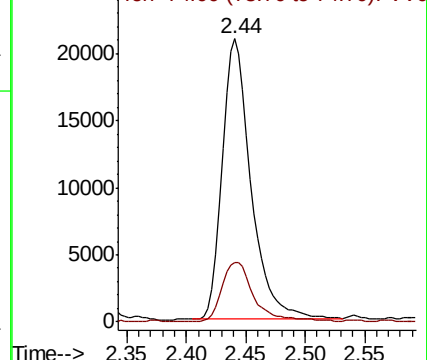
43 100

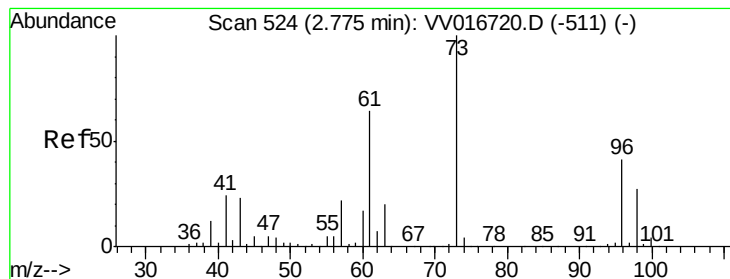
74 23.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 1.432 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016727.D

Acq: 09 Jun 2020 19:12

Instrument :

MSVOA_V

ClientSampleId :

ETTS3

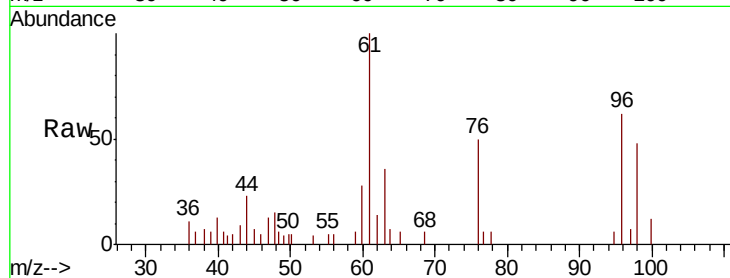
Tot Ion: 96 Resp: 3377

Ion Ratio Lower Upper

96 100

61 160.8 102.9 191.1

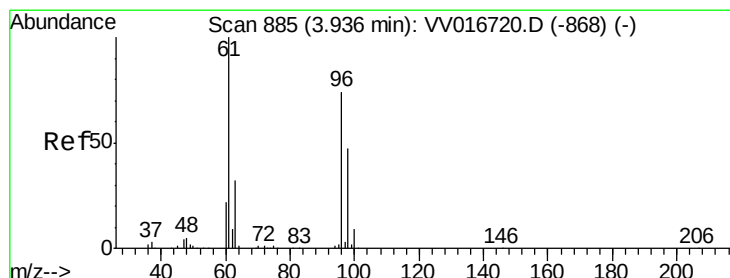
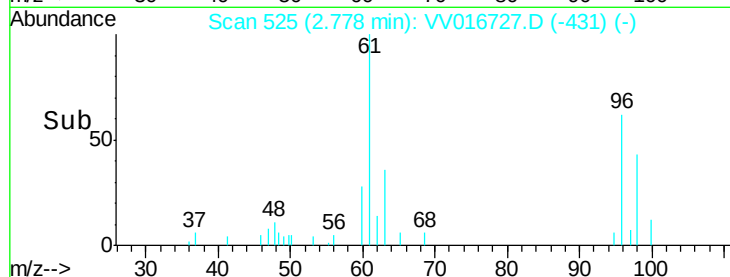
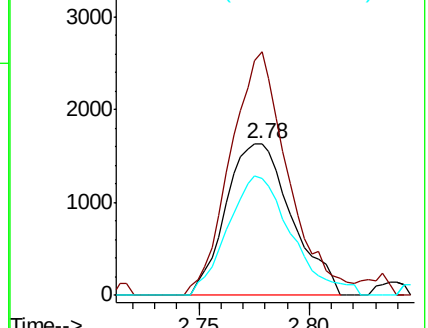
98 77.2 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV016727.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV016727.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV016727.D (-431) (-)



#20

cis-1,2-Dichloroethene

Concen: 315.955 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV016727.D

Acq: 09 Jun 2020 19:12

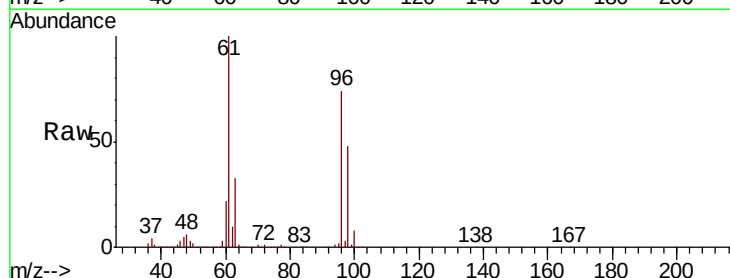
Tgt Ion: 96 Resp: 812228

Ion Ratio Lower Upper

96 100

61 134.8 93.4 173.4

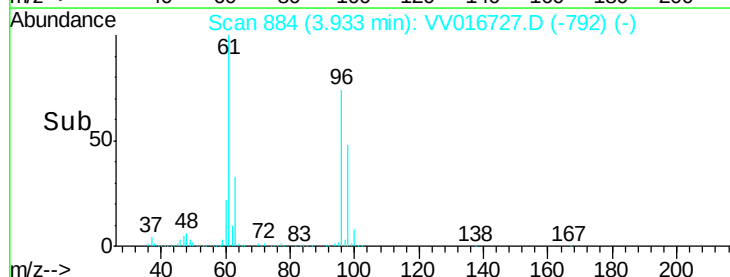
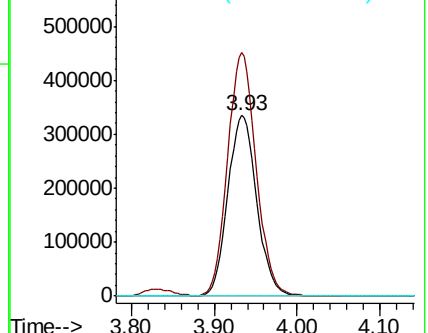
68 0.0 0.0 0.0

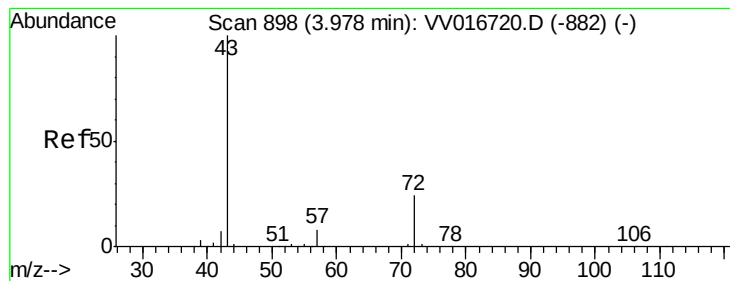


Abundance Ion 96.00 (95.70 to 96.70): VV016727.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV016727.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV016727.D (-792) (-)





#22

2-Butanone

Concen: 85.736 ug/L

RT: 3.98 min Scan# 899

Delta R.T. 0.00 min

Lab File: VV016727.D

Acq: 09 Jun 2020 19:12

Instrument :

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ClientSampleId :

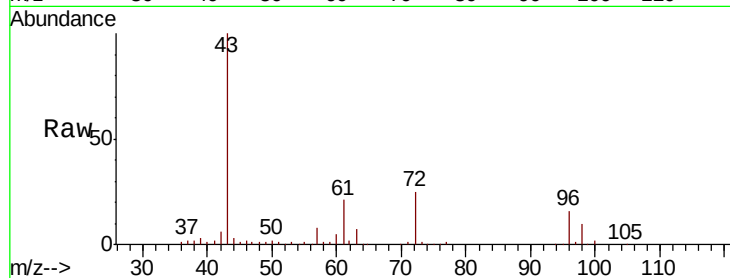
ETTS3

Tot Ion: 43 Resp: 158524

Ion Ratio Lower Upper

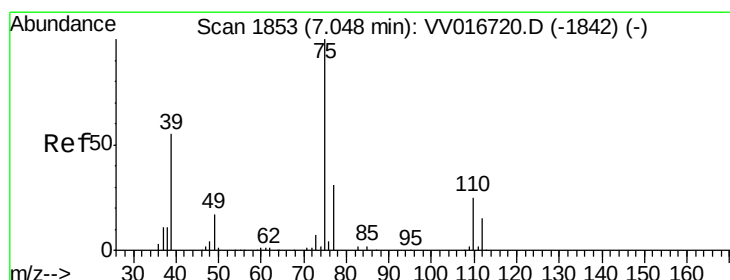
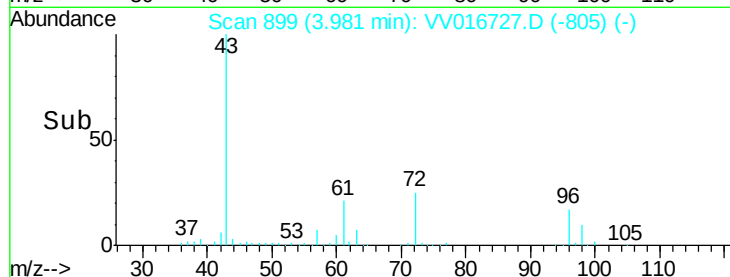
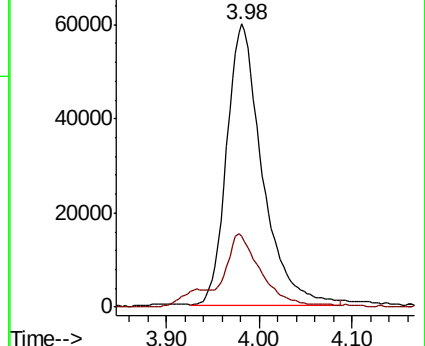
43 100

72 23.4 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.162 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV016727.D

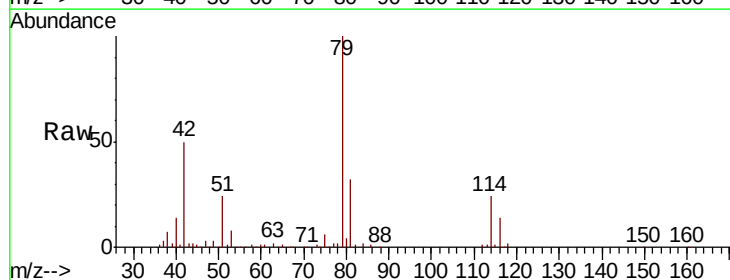
Acq: 09 Jun 2020 19:12

Tgt Ion: 75 Resp: 4668

Ion Ratio Lower Upper

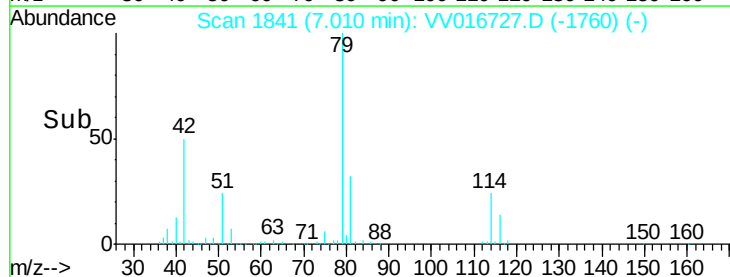
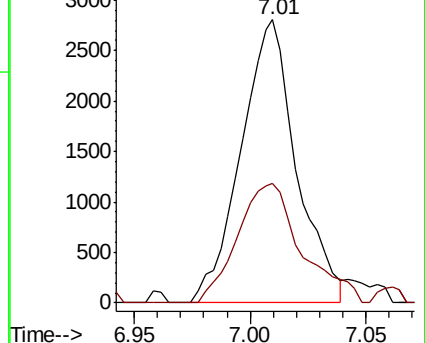
75 100

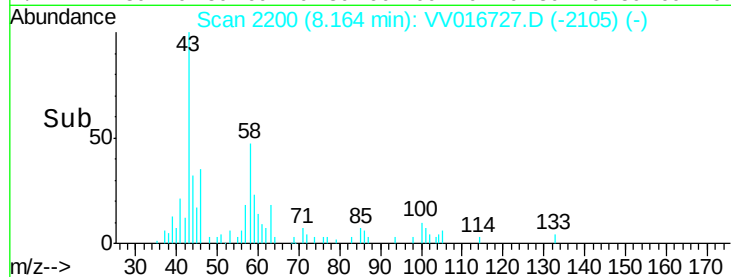
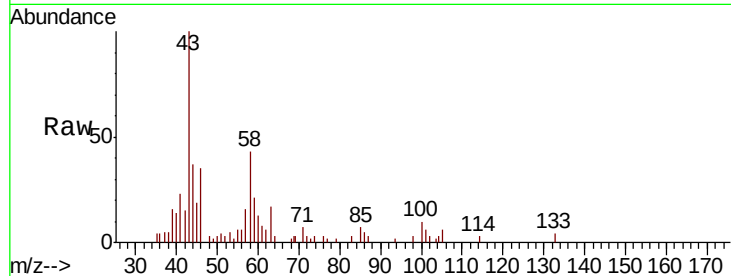
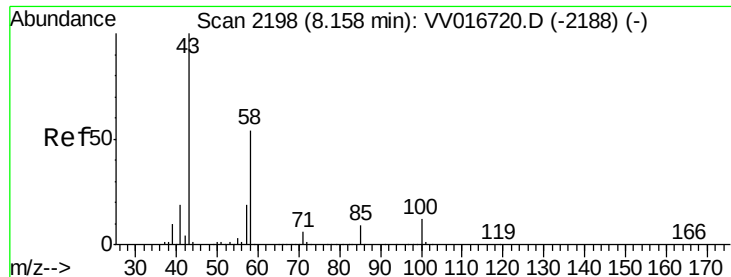
77 42.4 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#48

2-Hexanone

Concen: 3.422 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV016727.D

Acq: 09 Jun 2020 19:12

Instrument :

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ClientSampleId :

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Tot Ion: 43 Resp: 9724

Ion Ratio Lower Upper

43 100

58 47.4 43.1 64.7

57 1.7 15.3 22.9#

100 4.5 10.0 15.0#

