

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017072.D
 Acq On : 24 Jun 2020 15:29
 Operator : SY/MD
 Sample : L3093-04DL 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN3DL

Quant Time: Jun 25 01:18:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:16:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	176370	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	168914	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81548	5.00	ug/L	0.00

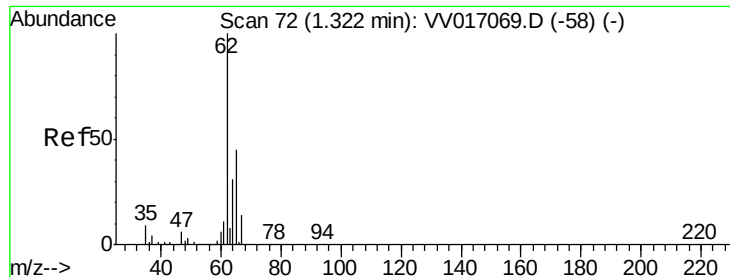
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43609	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.58	69	35788	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.13	63	66250	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.93	46	121329	44.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.94%
24) Chloroform-d	4.38	84	110587	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	58292	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.07	84	202926	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.10	67	61790	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.34	98	181474	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
45) trans-1,3-Dichloropropene-	7.64	79	24050	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
48) 2-Hexanone-d5	8.11	63	90959	43.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.38%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	43939	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	73734	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	98452	8.507	ug/L 99
8) Chloroethane	1.32	64	31223	4.882	ug/L # 47
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	740	0.079	ug/L # 19
12) 1,1-Dichloroethene	2.13	96	718	0.085	ug/L # 1
13) Acetone	2.22	43	2185	1.602	ug/L 87
16) Methylene chloride	2.52	84	1491	0.164	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	27180	2.216	ug/L 94
34) Trichloroethene	5.95	95	1669	0.129	ug/L 95
35) Methylcyclohexane	6.09	83	15589	0.774	ug/L # 19
46) trans-1,3-Dichloropropene	7.64	75	1372	0.097	ug/L # 68
50) 2-Hexanone	8.11	43	11843	2.632	ug/L # 70

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



#5

Vinyl chloride

Concen: 8.507 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017072.D

Acq: 24 Jun 2020 15:29

Instrument :

MSVOA_V

ClientSampled :

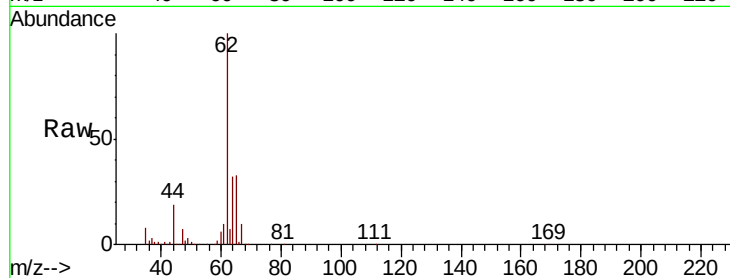
ETT3DL

Tot Ion: 62 Resp: 98452

Ion Ratio Lower Upper

62 100

64 31.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

100000

80000

60000

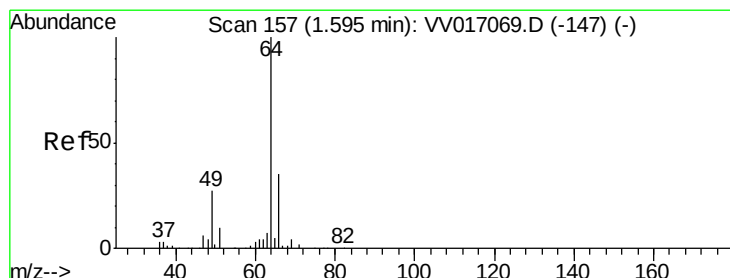
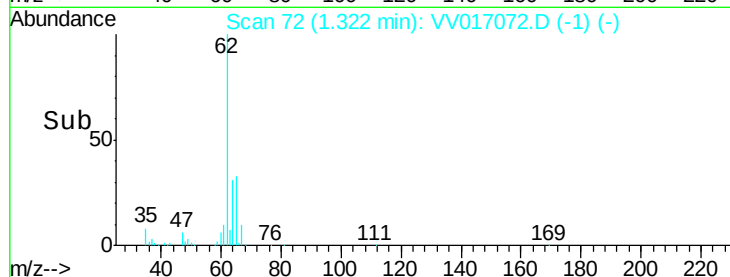
40000

20000

0

Time-->

1.25 1.30 1.35 1.40



#8

Chloroethane

Concen: 4.882 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.27 min

Lab File: VV017072.D

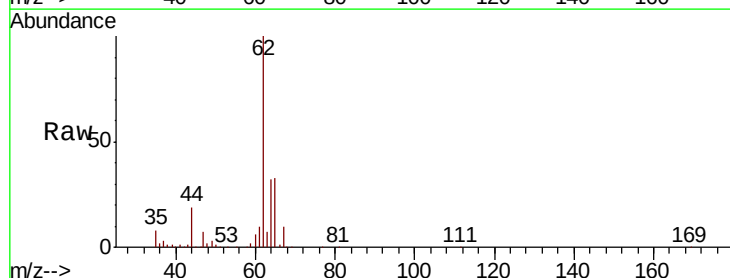
Acq: 24 Jun 2020 15:29

Tgt Ion: 64 Resp: 31223

Ion Ratio Lower Upper

64 100

66 2.8 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.32

30000

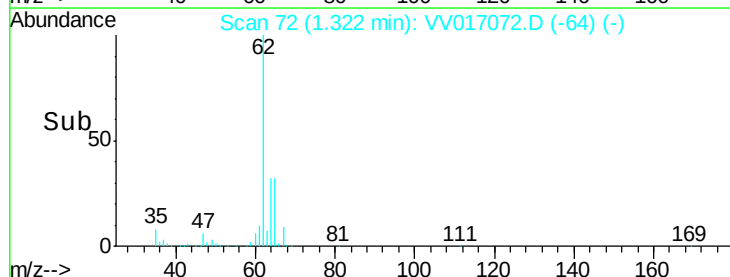
20000

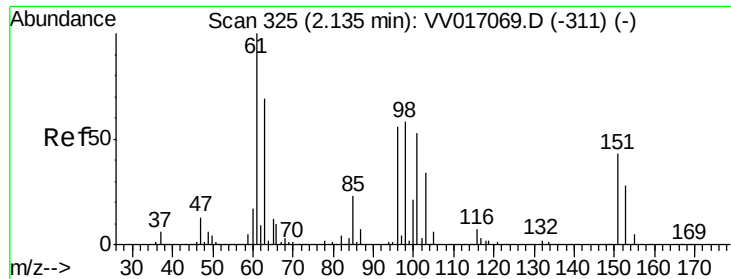
10000

0

Time-->

1.30 1.35





#10

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

Concen: 0.079 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017072.D

Acq: 24 Jun 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

ETTN3DL

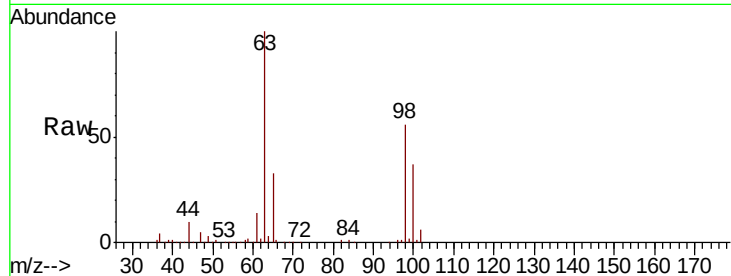
Tot Ion:101 Resp: 740

Ion Ratio Lower Upper

101 100

85 2.8 35.4 53.2#

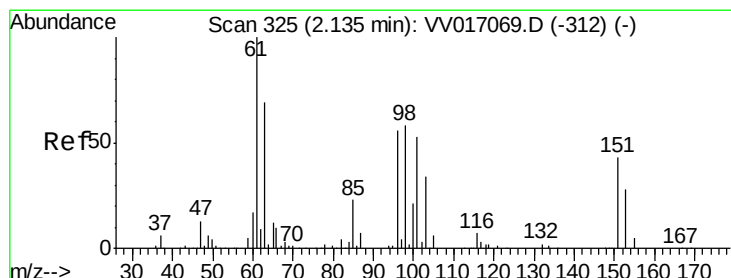
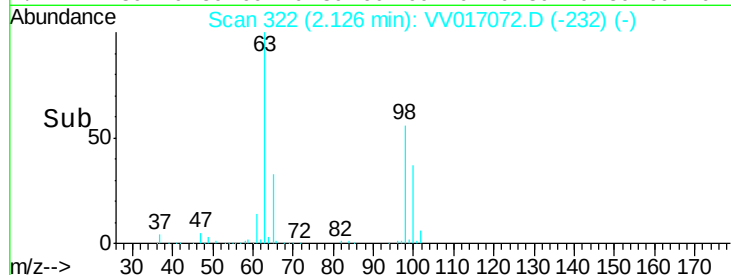
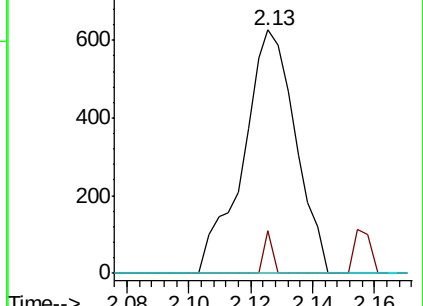
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.085 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV017072.D

Acq: 24 Jun 2020 15:29

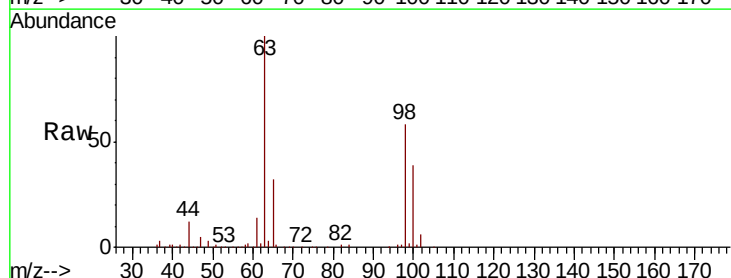
Tgt Ion: 96 Resp: 718

Ion Ratio Lower Upper

96 100

61 1410.9 125.0 232.2#

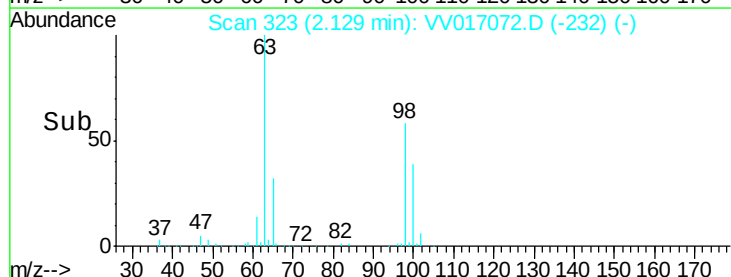
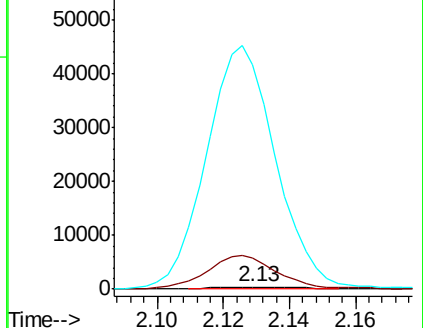
63 10354.3 109.8 203.8#

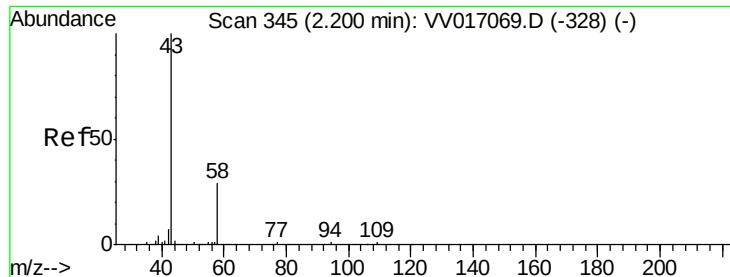


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.602 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.02 min

Lab File: VV017072.D

Acq: 24 Jun 2020 15:29

Instrument :

MSVOA_V

ClientSampled :

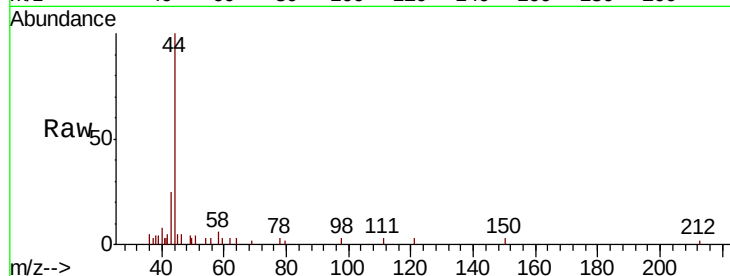
ETTN3DL

Tot Ion: 43 Resp: 2185

Ion Ratio Lower Upper

43 100

58 22.1 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017069.D (-328) (-)

Ion 58.05 (57.75 to 58.75): VV017069.D (-328) (-)

2.22

1200

1000

800

600

400

200

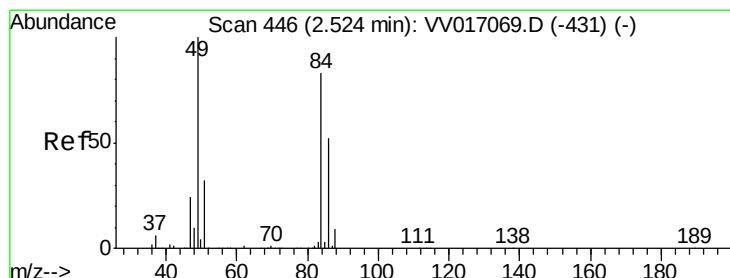
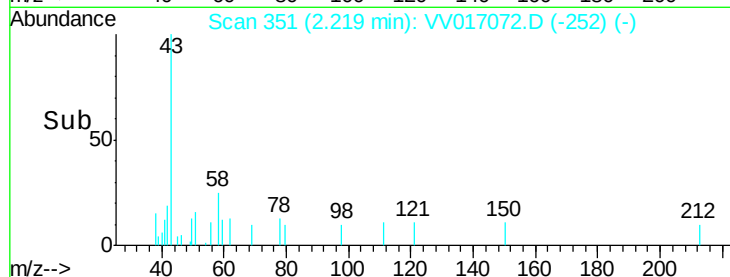
0

Time-->

2.15

2.20

2.25



#16

Methylene chloride

Concen: 0.164 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV017072.D

Acq: 24 Jun 2020 15:29

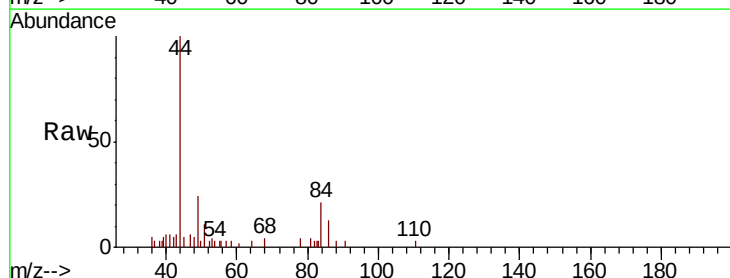
Tgt Ion: 84 Resp: 1491

Ion Ratio Lower Upper

84 100

86 63.1 45.8 85.0

49 128.7 89.6 166.4



Abundance Ion 84.05 (83.75 to 84.75): VV017069.D (-431) (-)

Ion 86.00 (85.70 to 86.70): VV017069.D (-431) (-)

Ion 49.10 (48.80 to 49.80): VV017069.D (-431) (-)

2.52

1500

1000

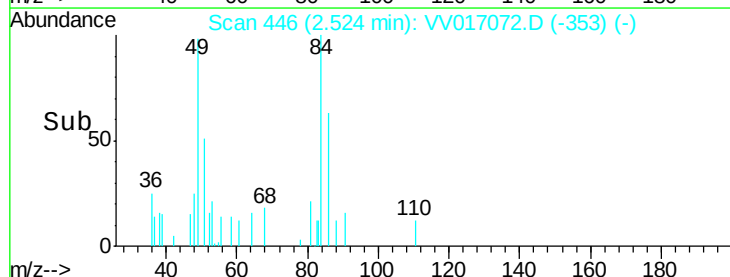
500

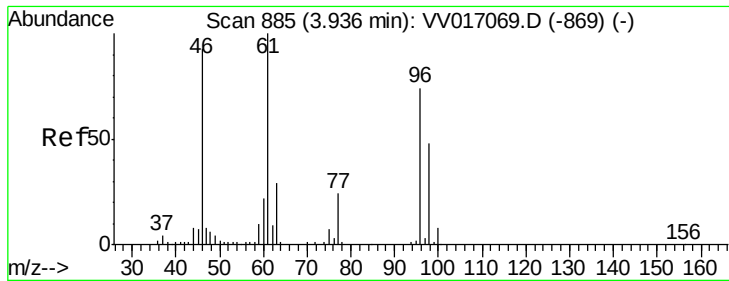
0

Time-->

2.50

2.55



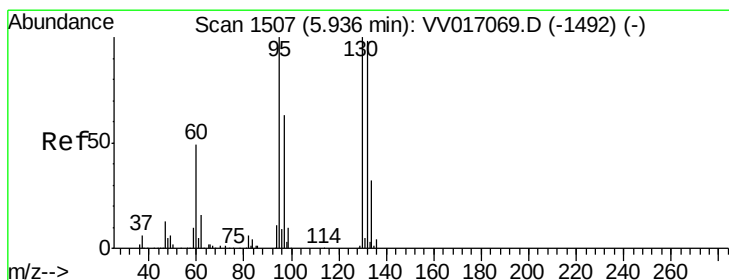
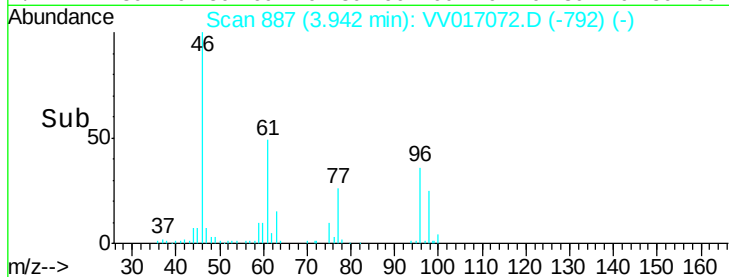
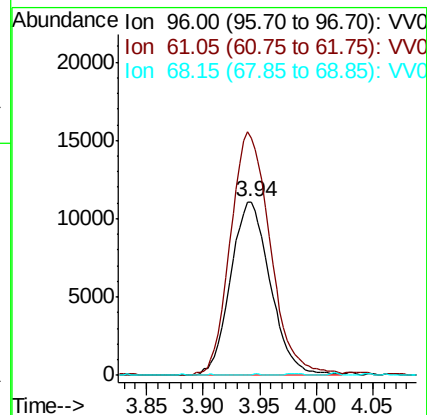
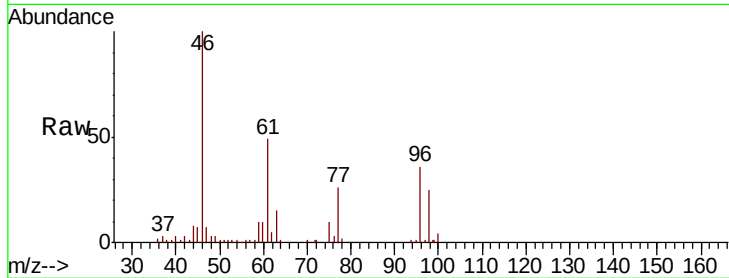


#22

cis-1,2-Dichloroethene
Concen: 2.216 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV017072.D
Acq: 24 Jun 2020 15:29

Instrument :
MSVOA_V
ClientSampleId :
ETTN3DL

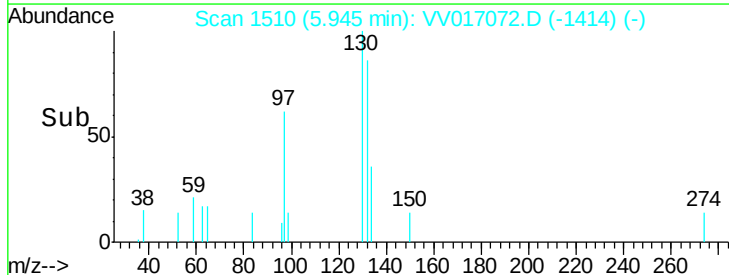
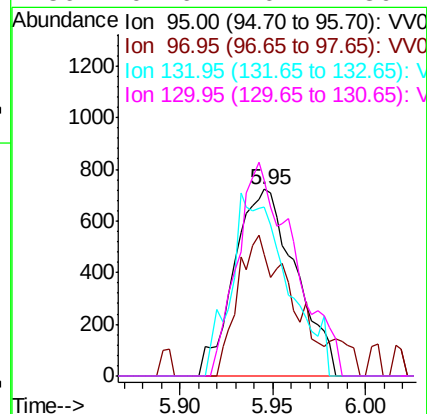
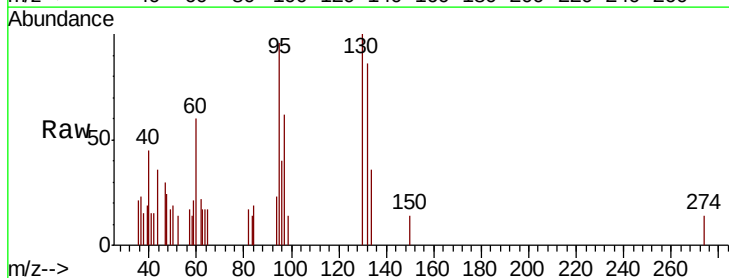
Tot Ion: 96 Resp: 27180
Ion Ratio Lower Upper
96 100
61 136.9 91.0 169.0
68 0.0 0.0 0.0

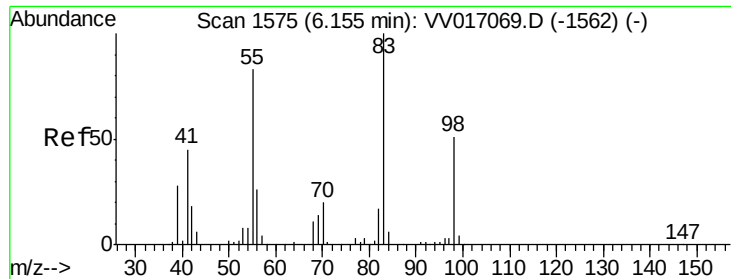


#34

Trichloroethene
Concen: 0.129 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV017072.D
Acq: 24 Jun 2020 15:29

Tgt Ion: 95 Resp: 1669
Ion Ratio Lower Upper
95 100
97 64.9 45.3 84.1
132 90.3 68.8 127.8
130 104.6 70.2 130.4

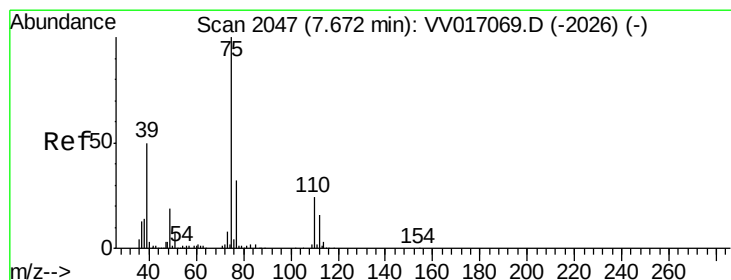
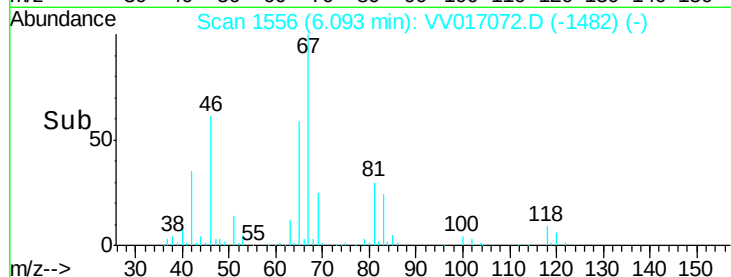
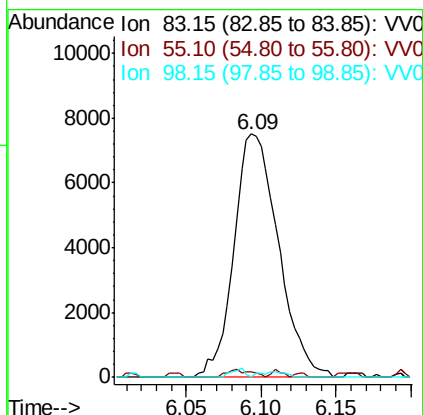
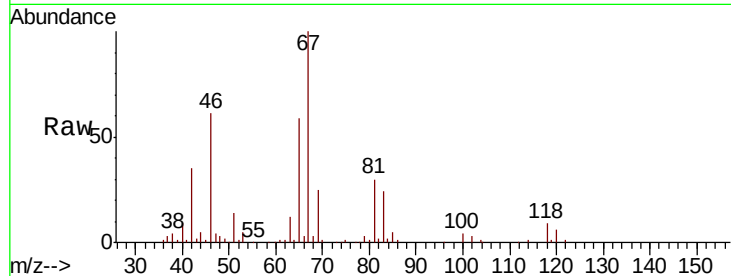




#35
Methylcyclohexane
Concen: 0.774 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017072.D
Acq: 24 Jun 2020 15:29

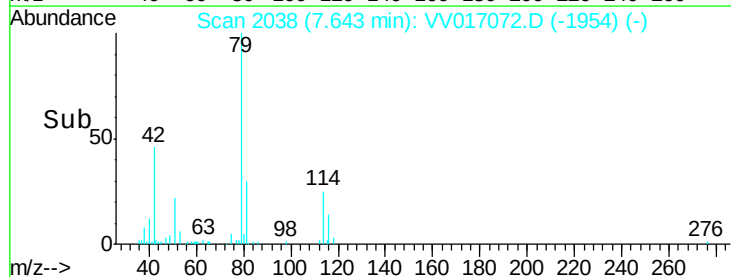
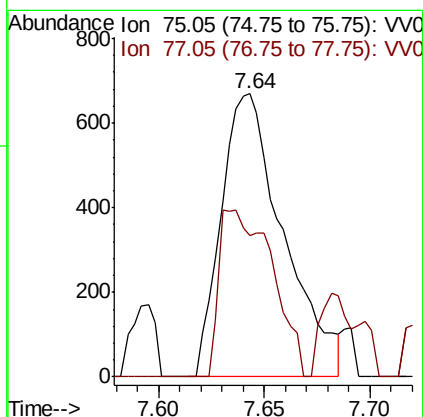
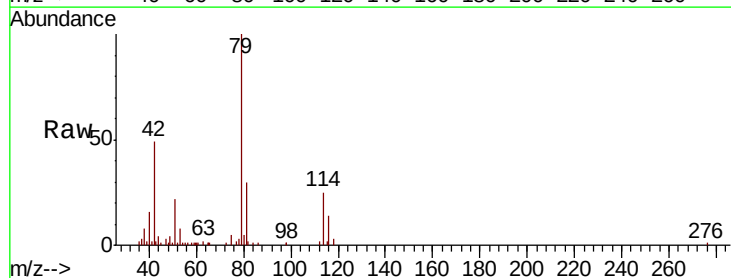
Instrument :
MSVOA_V
ClientSampleId :
ETTN3DL

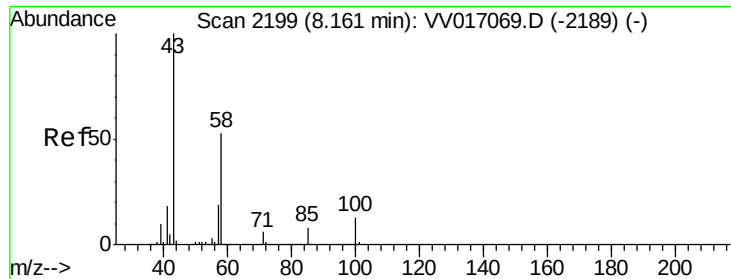
Tot Ion: 83 Resp: 15589
Ion Ratio Lower Upper
83 100
55 1.7 63.6 95.4#
98 1.1 38.8 58.2#



#46
trans-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV017072.D
Acq: 24 Jun 2020 15:29

Tgt Ion: 75 Resp: 1372
Ion Ratio Lower Upper
75 100
77 49.8 22.3 41.3#





#50
 2-Hexanone
 Concen: 2.632 ug/L
 RT: 8.11 min Scan# 2183
 Delta R.T. -0.05 min
 Lab File: VV017072.D
 Acq: 24 Jun 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN3DL

Tot Ion:	43	Resp:	11843
Ion	Ratio	Lower	Upper
43	100		
58	29.3	41.6	62.4#
57	31.6	15.4	23.0#
100	2.6	10.1	15.1#

