

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017064.D
 Acq On : 23 Jun 2020 19:21
 Operator : SY/MD
 Sample : L3093-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN3

Quant Time: Jun 24 05:07:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 05:01:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	168925	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	165950	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	78092	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48801	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.58	69	33158	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.12	63	65169	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	3.92	46	127558	49.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.74%
24) Chloroform-d	4.38	84	97594	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.06	65	57670	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.07	84	196848	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.10	67	59914	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.34	98	180539	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
45) trans-1,3-Dichloropropene-	7.64	79	22502	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
48) 2-Hexanone-d5	8.11	63	82287	40.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.46%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41226	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	74692	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	852783	76.933	ug/L 99
8) Chloroethane	1.32	64	270110	44.092	ug/L # 43
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	645	0.072	ug/L # 22
12) 1,1-Dichloroethene	2.13	96	1793	0.221	ug/L # 1
17) Methyl tert-butyl Ether	2.79	73	1290	0.063	ug/L # 93
19) 1,1-Dichloroethane	3.21	63	3670	0.190	ug/L 88
22) cis-1,2-Dichloroethene	3.94	96	251735	21.427	ug/L 98
25) Chloroform	4.41	83	10150	0.481	ug/L 85
34) Trichloroethene	5.94	95	13410	1.054	ug/L 96
35) Methylcyclohexane	6.09	83	15485	0.783	ug/L # 18
37) 1,2-Dichloropropane	6.10	63	7681	0.714	ug/L # 85
39) cis-1,3-Dichloropropene	7.01	75	2091	0.131	ug/L # 72
42) Toluene	7.41	91	3188	0.063	ug/L 95
46) trans-1,3-Dichloropropene	7.64	75	1138	0.082	ug/L # 44
50) 2-Hexanone	8.17	43	7950	1.798	ug/L # 79

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QLast Update : Wed Jun 24 05:01:54 2020
Response via : Initial Calibration

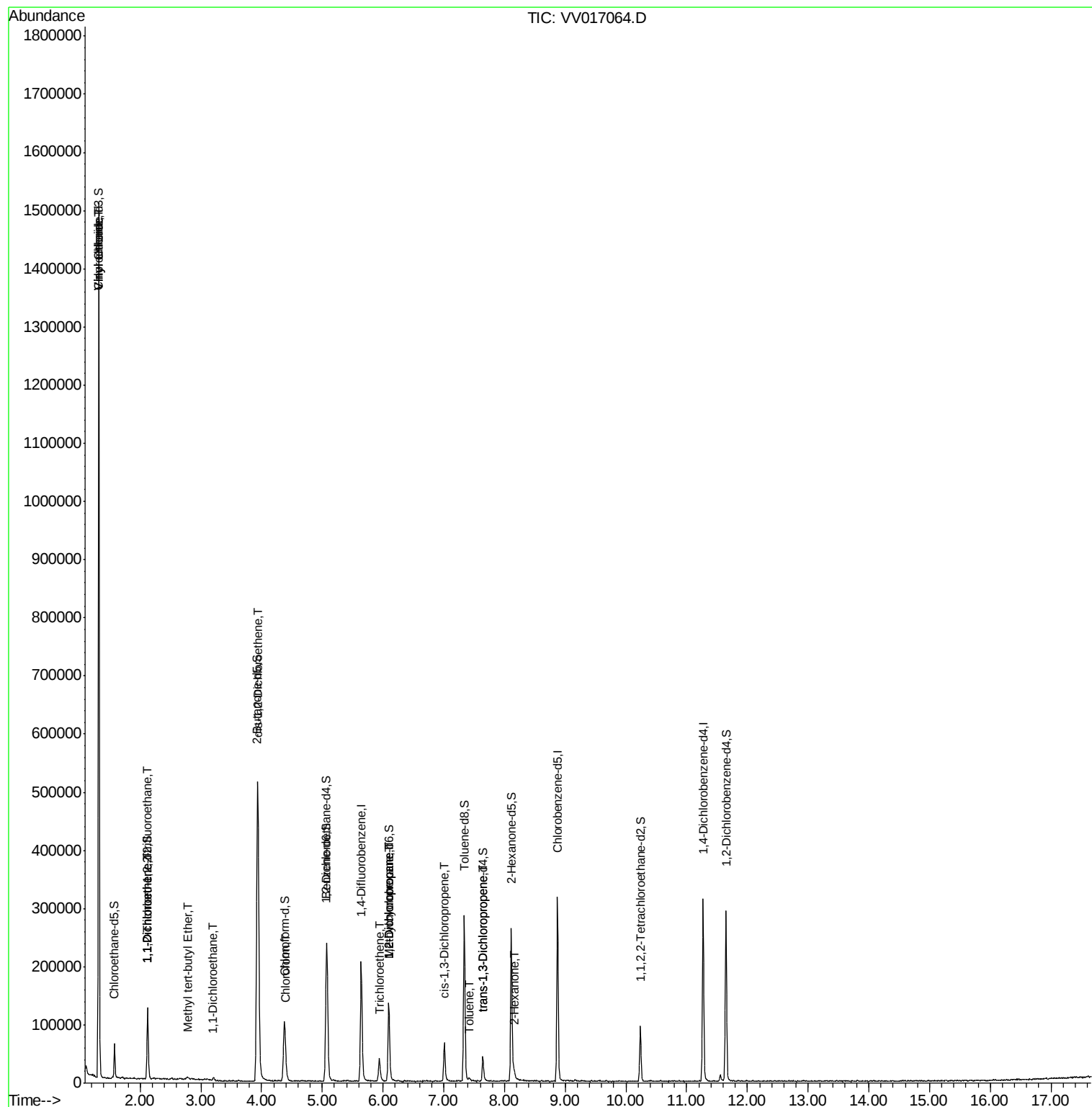
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

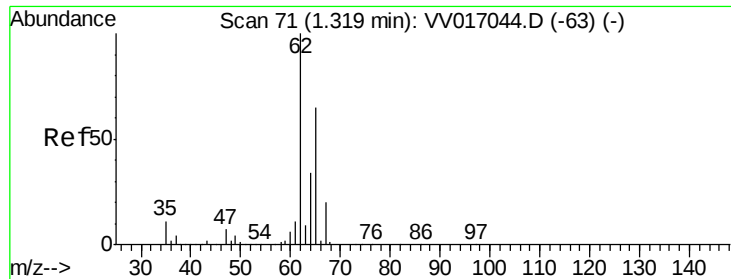
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Wed Jun 24 05:01:54 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 76.933 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017064.D

Acq: 23 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

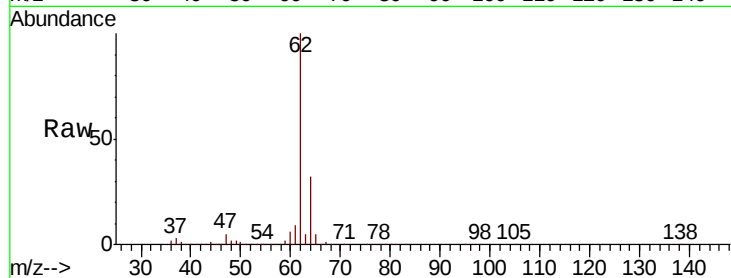
ETTN3

Tot Ion: 62 Resp: 852783

Ion Ratio Lower Upper

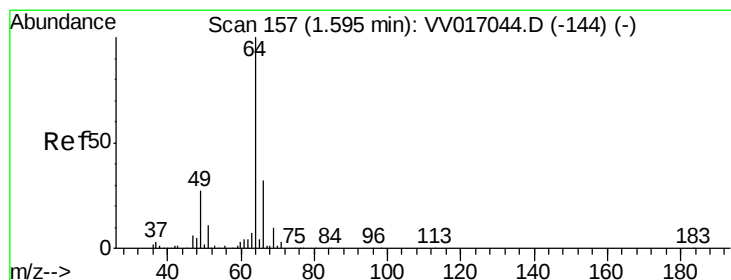
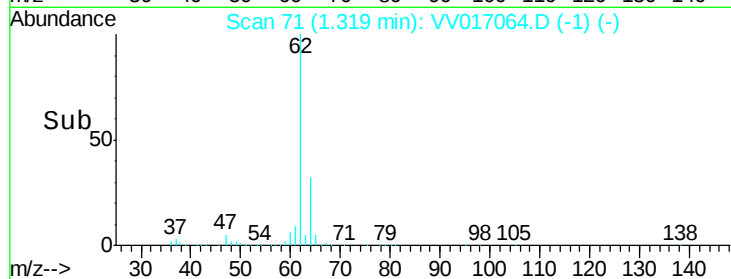
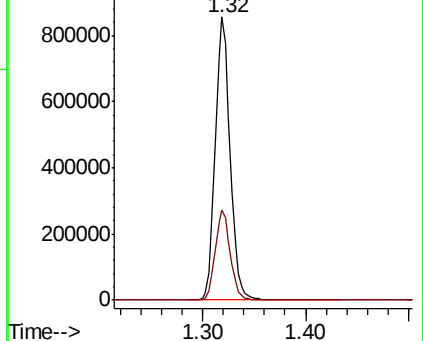
62 100

64 31.8 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 44.092 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV017064.D

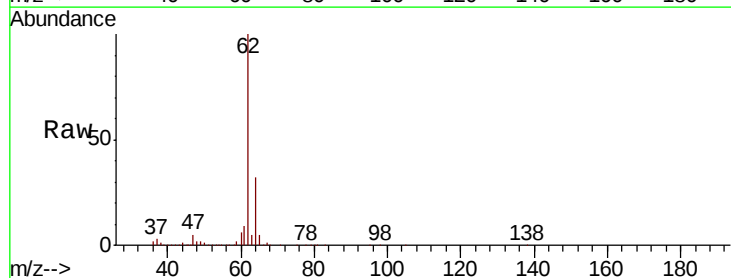
Acq: 23 Jun 2020 19:21

Tgt Ion: 64 Resp: 270110

Ion Ratio Lower Upper

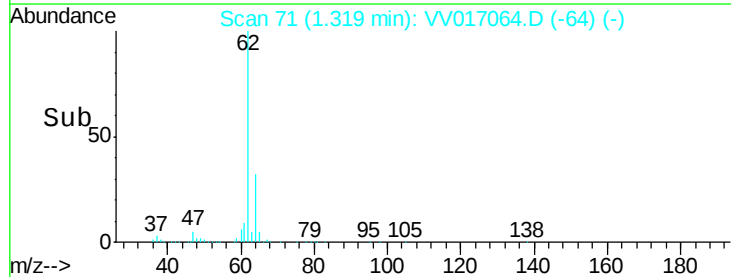
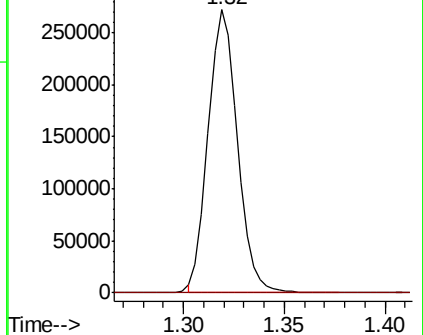
64 100

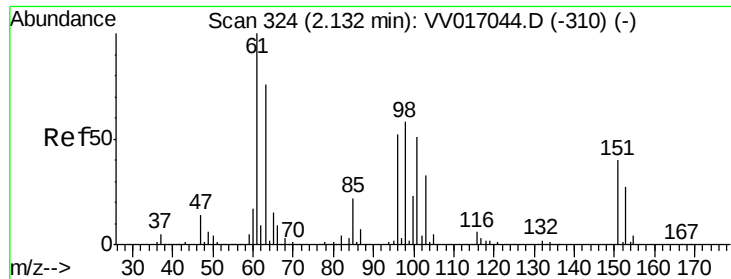
66 0.3 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.072 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017064.D

Acq: 23 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

ETTN3

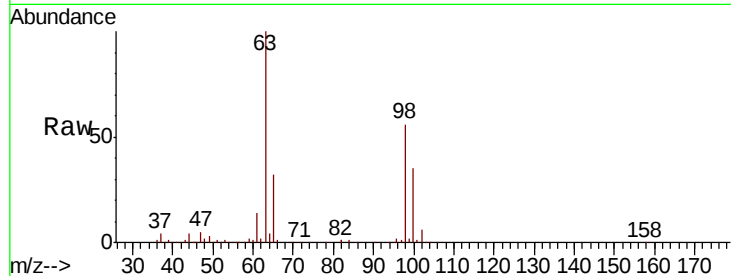
Tot Ion:101 Resp: 645

Ion Ratio Lower Upper

101 100

85 8.4 35.4 53.2#

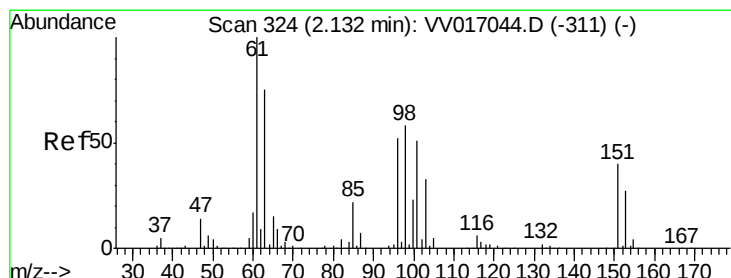
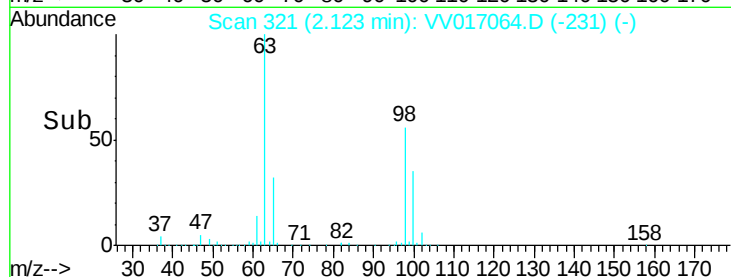
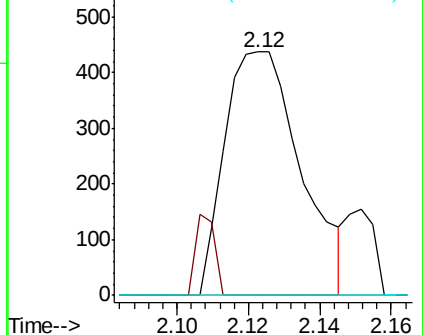
151 0.0 63.9 95.9#



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: 0.221 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017064.D

Acq: 23 Jun 2020 19:21

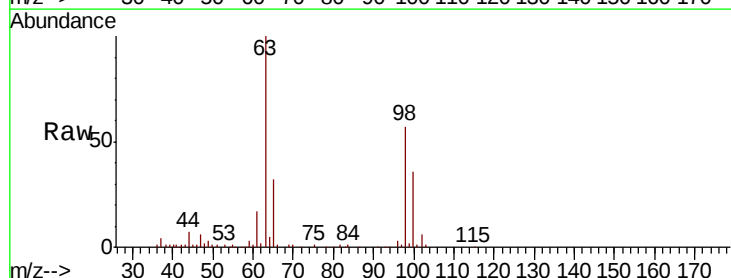
Tgt Ion: 96 Resp: 1793

Ion Ratio Lower Upper

96 100

61 488.6 125.0 232.2#

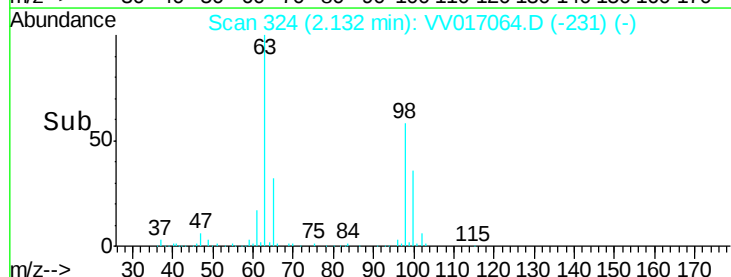
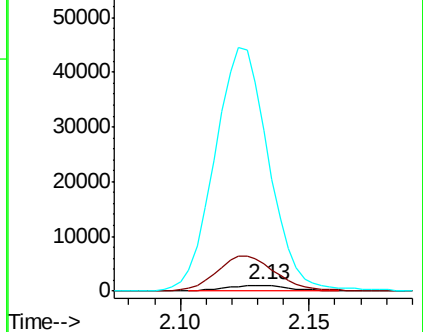
63 2883.8 109.8 203.8#

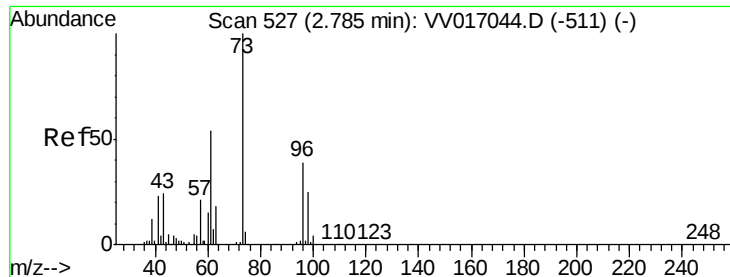


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

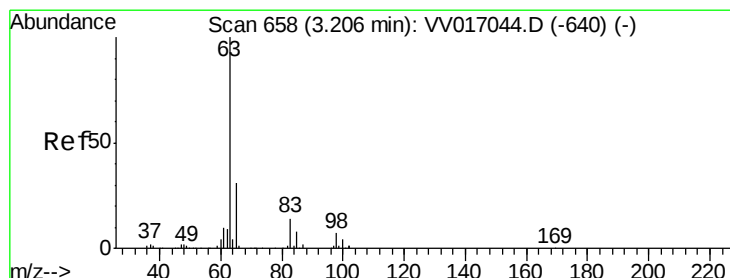
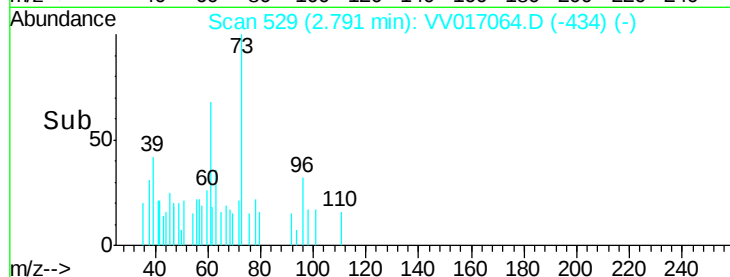
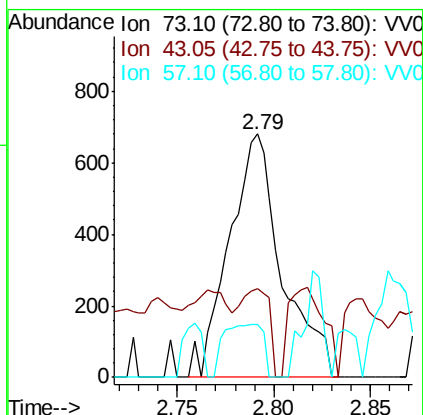
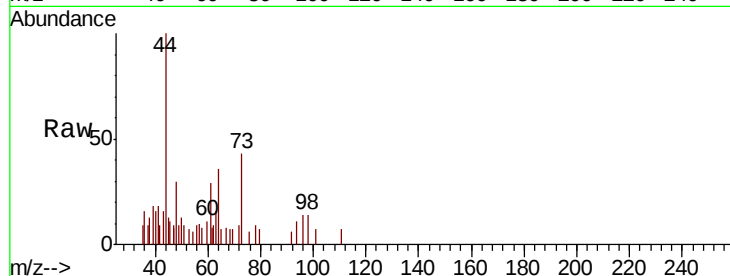




#17
Methvl tert-butvl Ether
Concen: 0.063 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV017064.D
Acq: 23 Jun 2020 19:21

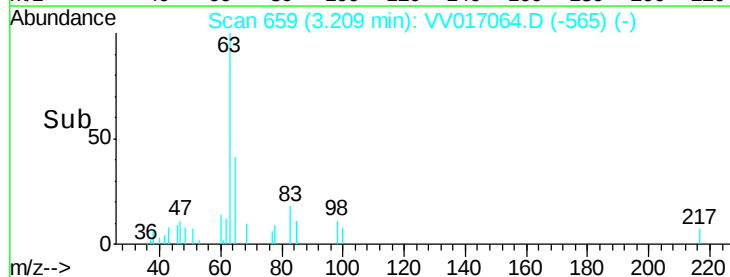
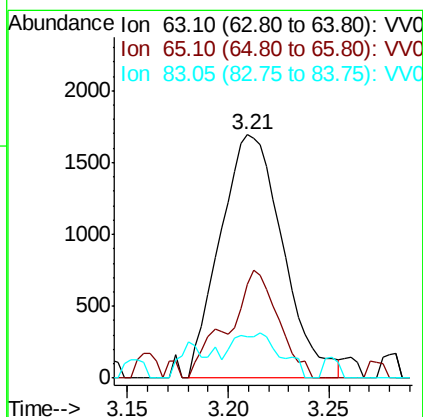
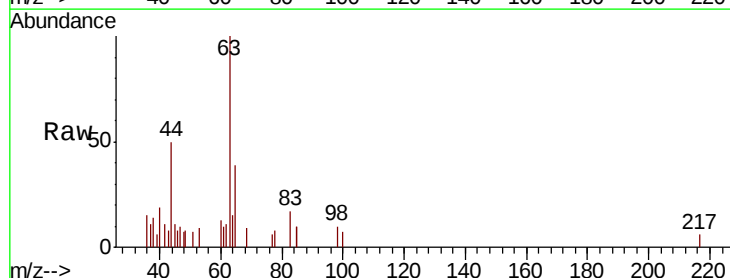
Instrument :
MSVOA_V
ClientSampleId :
ETTN3

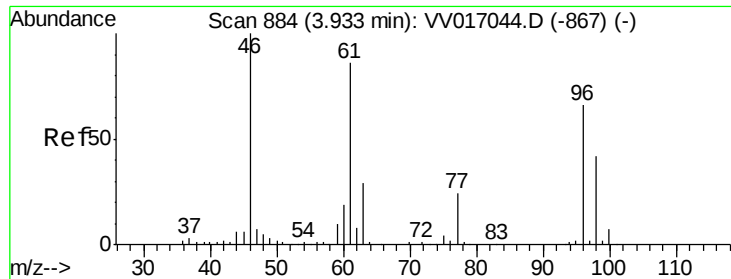
Tot Ion: 73 Resp: 1290
Ion Ratio Lower Upper
73 100
43 20.5 18.6 28.0
57 16.4 16.4 24.6#



#19
1,1-Dichloroethane
Concen: 0.190 ug/L
RT: 3.21 min Scan# 659
Delta R.T. 0.00 min
Lab File: VV017064.D
Acq: 23 Jun 2020 19:21

Tgt Ion: 63 Resp: 3670
Ion Ratio Lower Upper
63 100
65 38.8 21.8 40.4
83 16.8 9.7 17.9



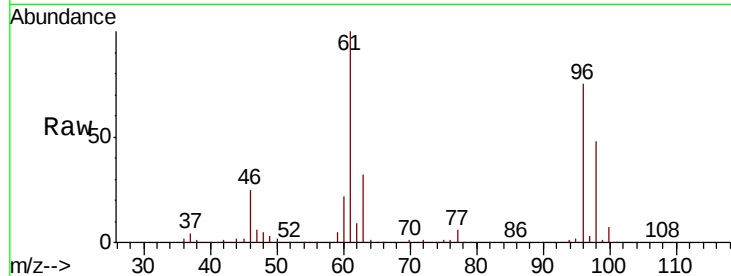


#22

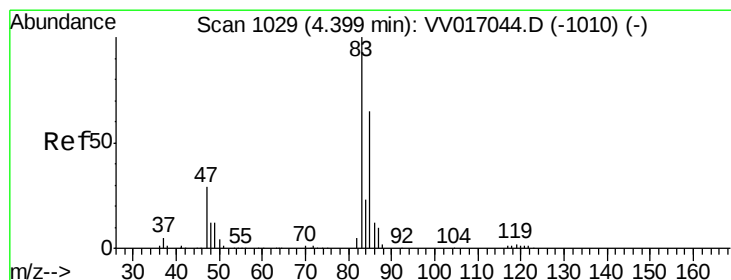
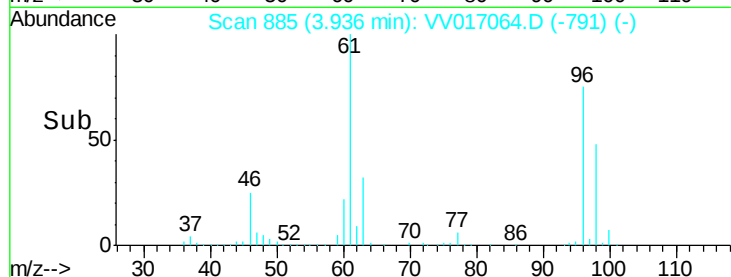
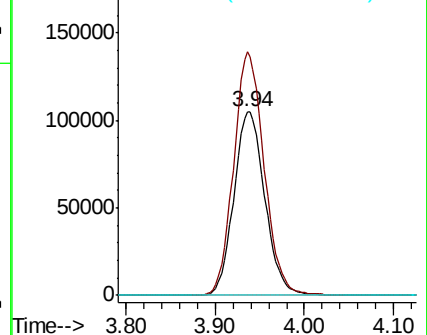
cis-1,2-Dichloroethene
 Concen: 21.427 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017064.D
 Acq: 23 Jun 2020 19:21

Instrument :
 MSVOA_V
 ClientSampled :
 ETTN3

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	91.0	169.0
68	0.0	0.0	0.0



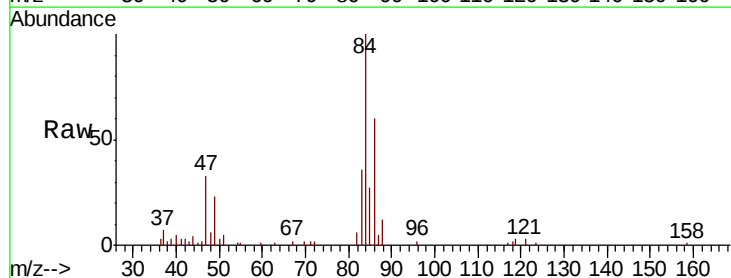
Abundance Ion 96.00 (95.70 to 96.70): VV017064.D (-791) (-)
 Ion 61.05 (60.75 to 61.75): VV017064.D (-791) (-)
 Ion 68.15 (67.85 to 68.85): VV017064.D (-791) (-)



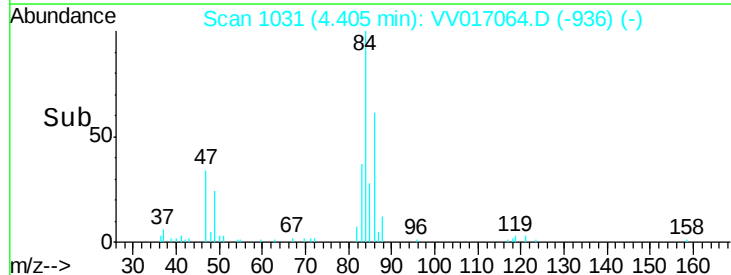
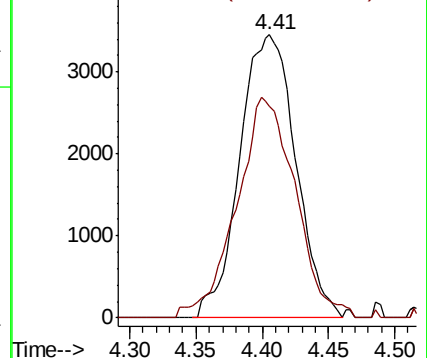
#25

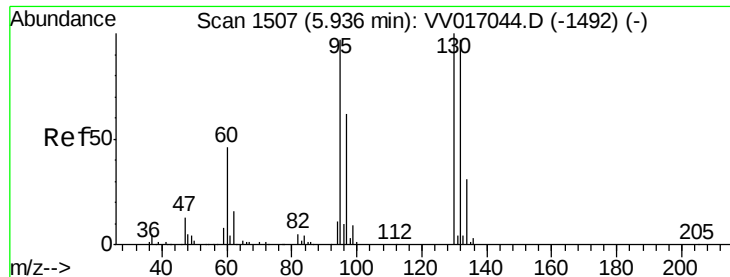
Chloroform
 Concen: 0.481 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VV017064.D
 Acq: 23 Jun 2020 19:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	74.9	44.2	82.2



Abundance Ion 83.05 (82.75 to 83.75): VV017064.D (-936) (-)
 Ion 85.00 (84.70 to 85.70): VV017064.D (-936) (-)





#34

Trichloroethene

Concen: 1.054 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017064.D

Acq: 23 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampled :

ETTN3

Tot Ion: 95 Resp: 13410

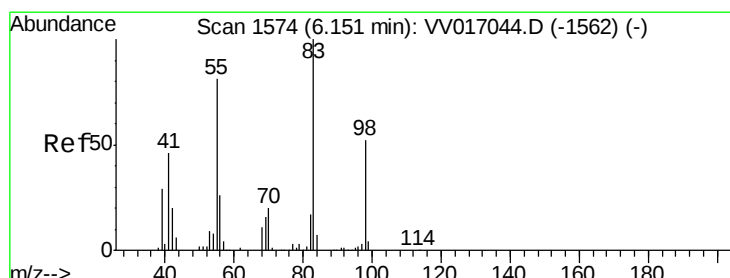
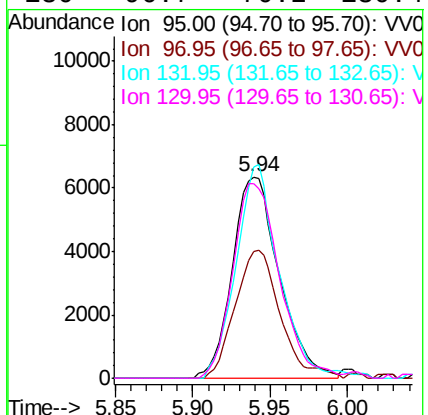
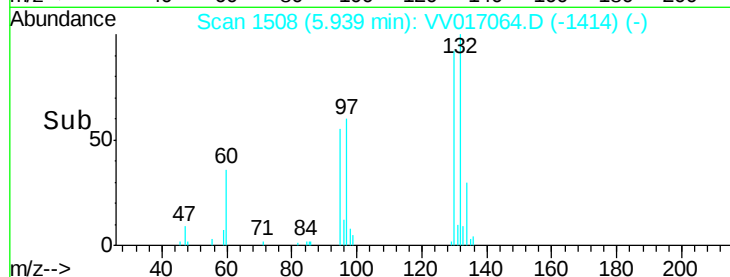
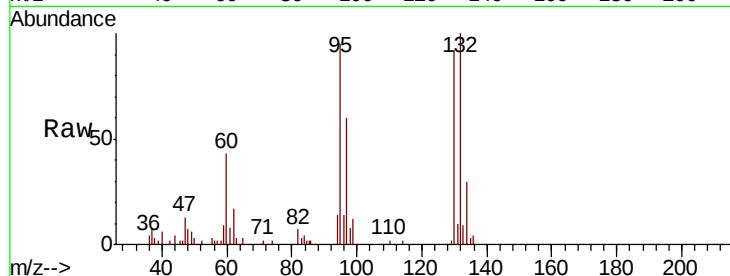
Ion Ratio Lower Upper

95 100

97 63.0 45.3 84.1

132 104.8 68.8 127.8

130 96.7 70.2 130.4



#35

Methylcyclohexane

Concen: 0.783 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017064.D

Acq: 23 Jun 2020 19:21

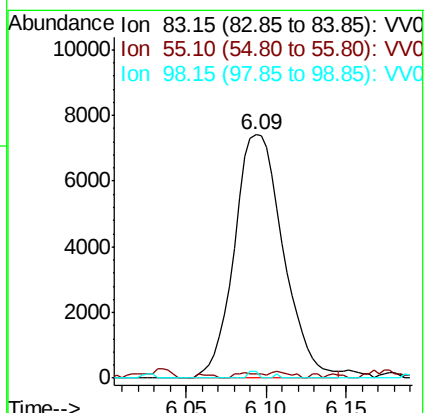
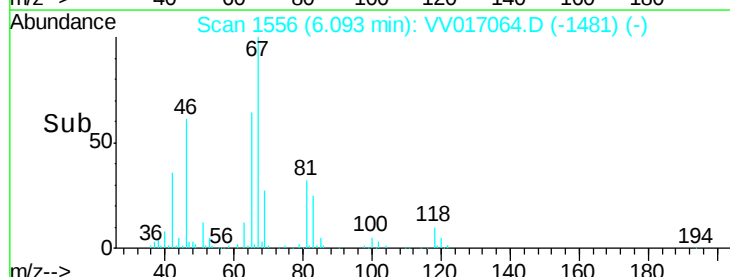
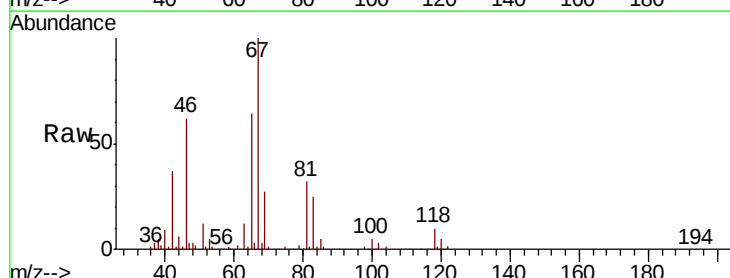
Tgt Ion: 83 Resp: 15485

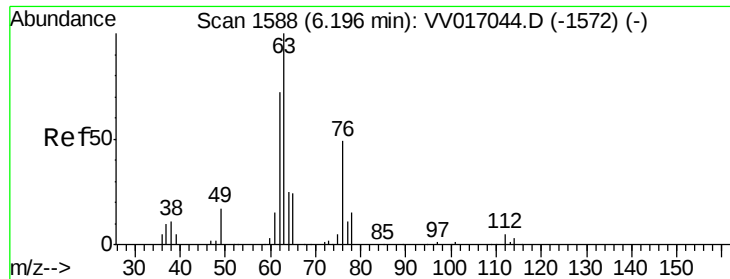
Ion Ratio Lower Upper

83 100

55 0.8 63.6 95.4#

98 0.5 38.8 58.2#

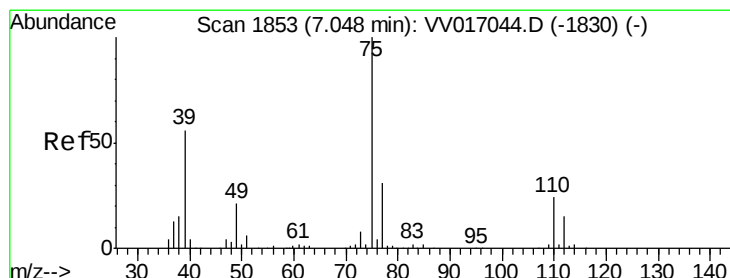
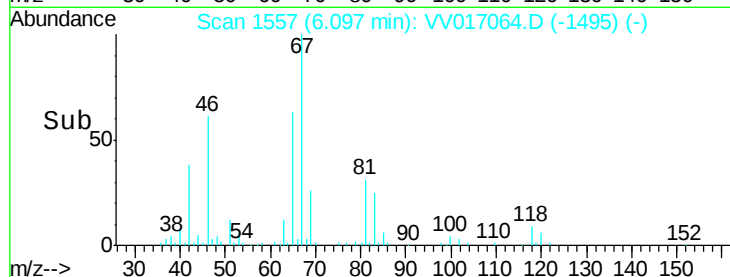
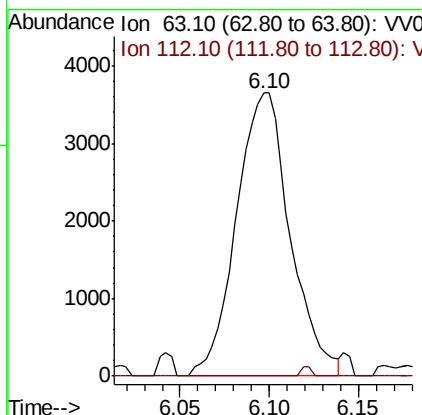
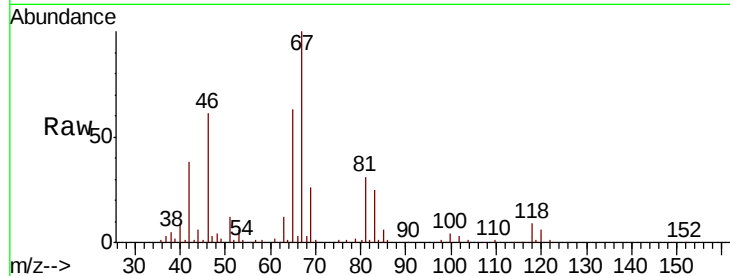




#37
 1,2-Dichloropropane
 Concen: 0.714 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017064.D
 Acq: 23 Jun 2020 19:21

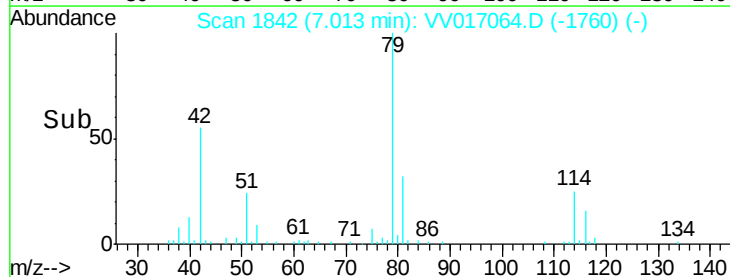
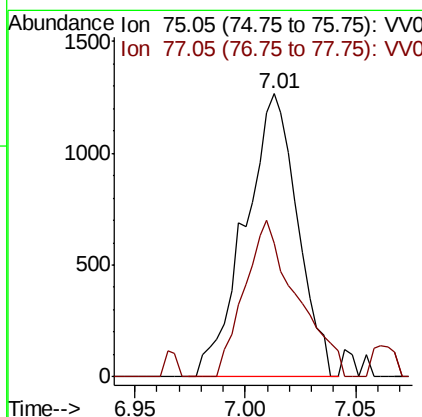
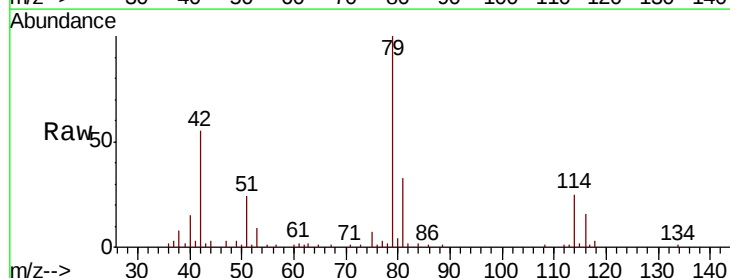
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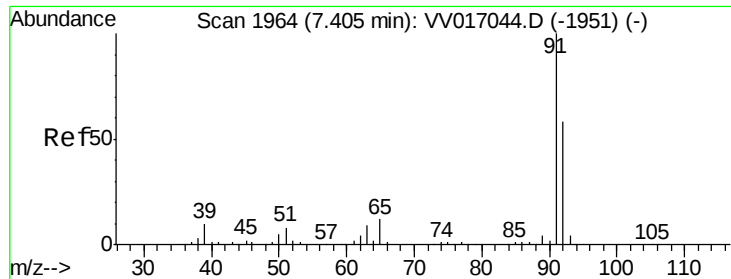
Tot Ion: 63 Resp: 7681
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.131 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV017064.D
 Acq: 23 Jun 2020 19:21

Tgt Ion: 75 Resp: 2091
 Ion Ratio Lower Upper
 75 100
 77 47.4 22.3 41.5#





#42

Toluene

Concen: 0.063 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017064.D

Acq: 23 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

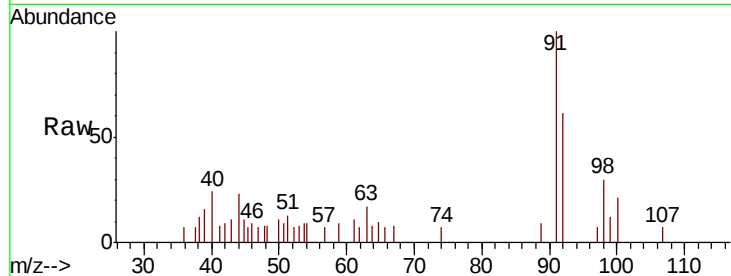
ETTN3

Tot Ion: 91 Resp: 3188

Ion Ratio Lower Upper

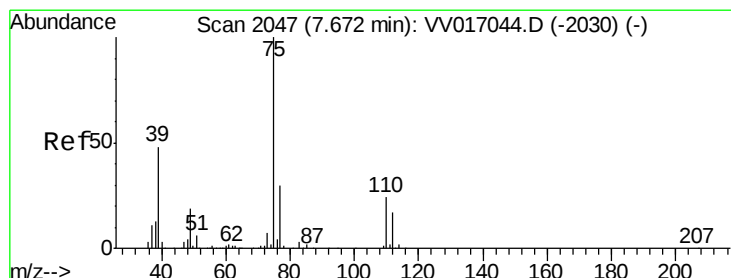
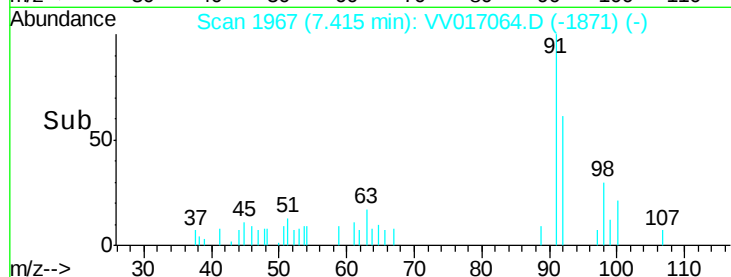
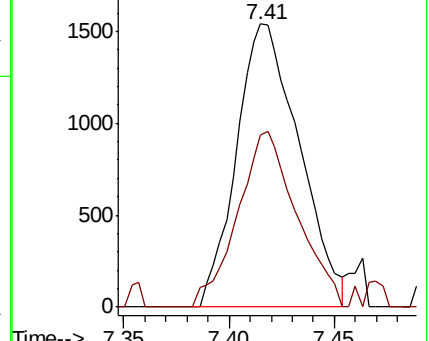
91 100

92 60.9 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#46

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017064.D

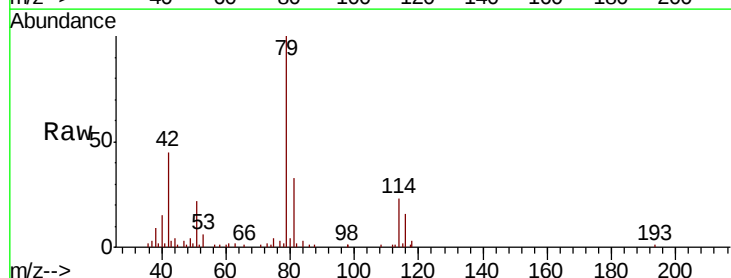
Acq: 23 Jun 2020 19:21

Tgt Ion: 75 Resp: 1138

Ion Ratio Lower Upper

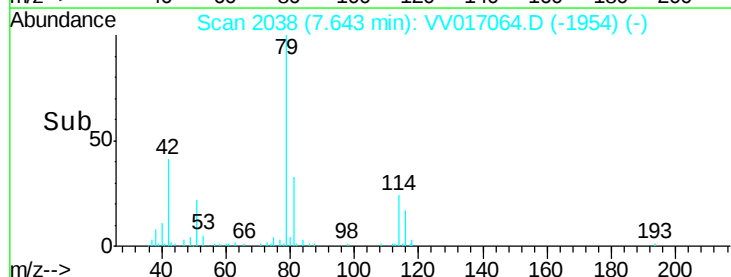
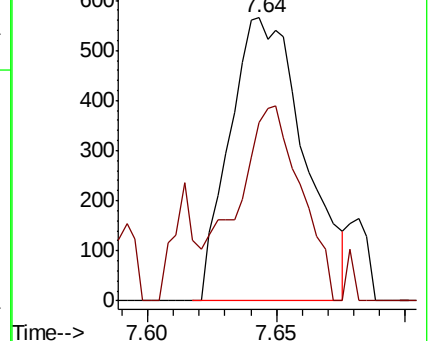
75 100

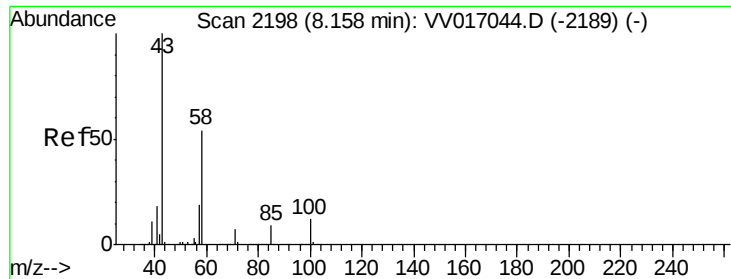
77 63.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#50
 2-Hexanone
 Concen: 1.798 ug/L
 RT: 8.17 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VV017064.D
 Acq: 23 Jun 2020 19:21

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN3

Tot Ion: 43 Resp: 7950
 Ion Ratio Lower Upper
 43 100
 58 37.7 41.6 62.4#
 57 6.8 15.4 23.0#
 100 7.3 10.1 15.1#

