

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080720\
 Data File : VV017837.D
 Acq On : 07 Aug 2020 14:06
 Operator : SY/MD
 Sample : L3590-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L54

Quant Time: Aug 08 00:25:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 08 00:22:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	220960	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	218068	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120544	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40333	37.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.86%
7) Chloroethane-d5	1.58	69	41911	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.12%
11) 1,1-Dichloroethene-d2	2.12	63	85186	32.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.80%
21) 2-Butanone-d5	3.91	46	75179	92.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.79%
24) Chloroform-d	4.38	84	141309	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
26) 1,2-Dichloroethane-d4	5.06	65	111114	51.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.32%
32) Benzene-d6	5.07	84	239912	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.09	67	62629	43.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.90%
41) Toluene-d8	7.34	98	235159	46.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.96%
43) trans-1,3-Dichloropropene-	7.64	79	17048	18.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	36.20%#
47) 2-Hexanone-d5	8.11	63	54205	88.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.51%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	97017	45.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	124480	52.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.22%

Target Compounds

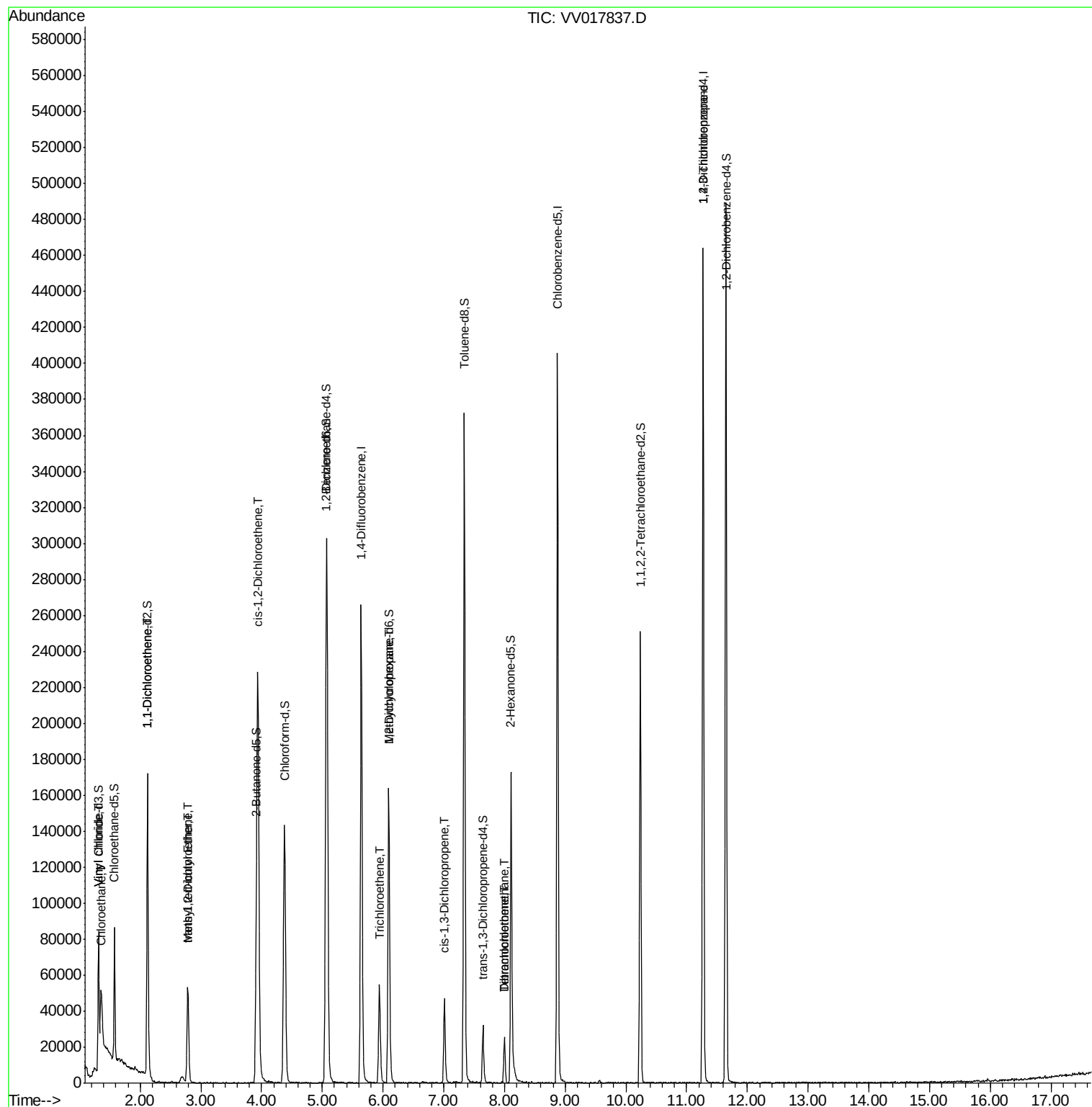
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	4812	3.070	ug/L #	1
8) Chloroethane	1.36	64	88920	93.710	ug/L #	53
12) 1,1-Dichloroethene	2.13	96	1039	0.781	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	1340	0.894	ug/L #	75
18) Methyl tert-butyl Ether	2.79	73	48836	9.908	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	122613	76.553	ug/L	95
34) Trichloroethene	5.94	95	17466	10.390	ug/L	94
35) Methylcyclohexane	6.10	83	20666	8.381	ug/L #	19
39) cis-1,3-Dichloropropene	7.01	75	1510	0.607	ug/L #	62
46) Tetrachloroethene	8.00	164	6113	4.105	ug/L	96
49) Dibromochloromethane	8.00	129	5551	2.749	ug/L #	12
59) 1,2,3-Trichloropropane	11.27	75	10390	5.267	ug/L #	75

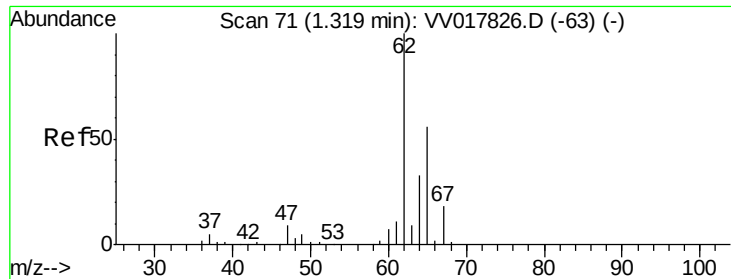
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.070 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017837.D

Acq: 07 Aug 2020 14:06

Instrument :

MSVOA_V

ClientSampleId :

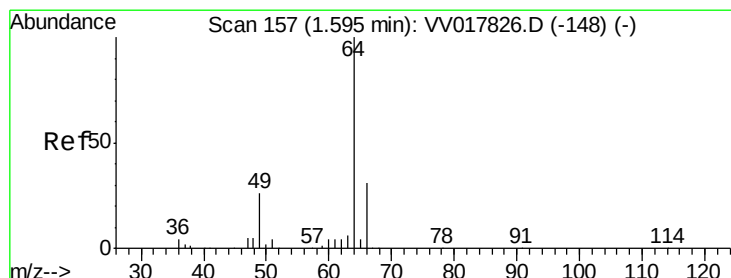
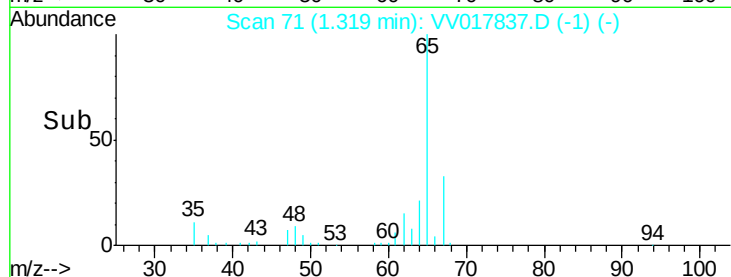
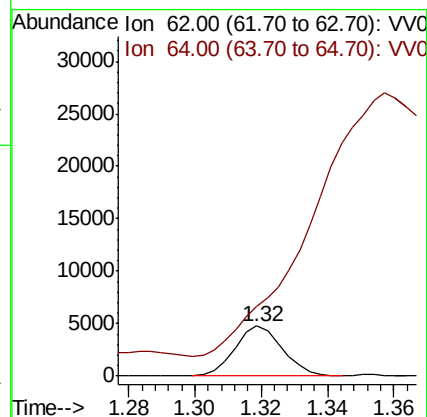
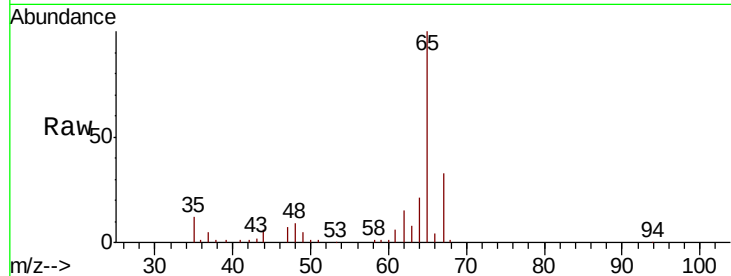
F2L54

Tot Ion: 62 Resp: 4812

Ion Ratio Lower Upper

62 100

64 138.9 22.9 42.5#



#8

Chloroethane

Concen: 93.710 ug/L

RT: 1.36 min Scan# 83

Delta R.T. -0.24 min

Lab File: VV017837.D

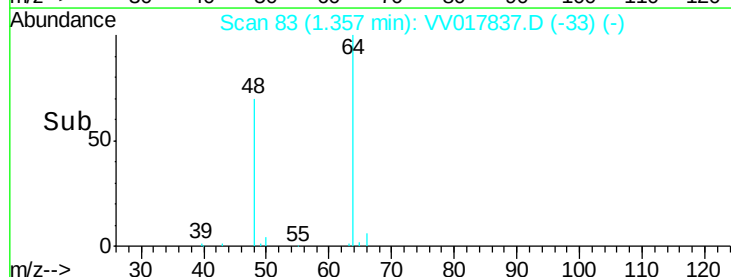
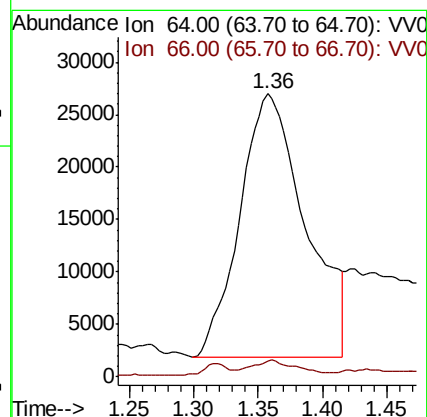
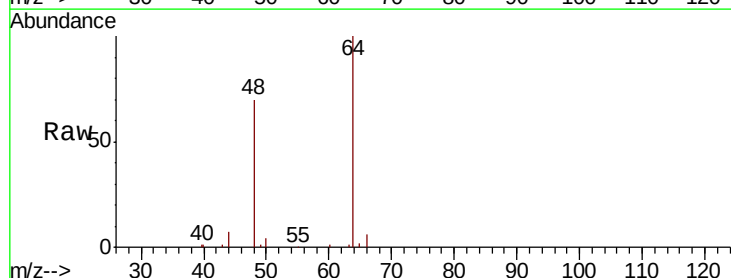
Acq: 07 Aug 2020 14:06

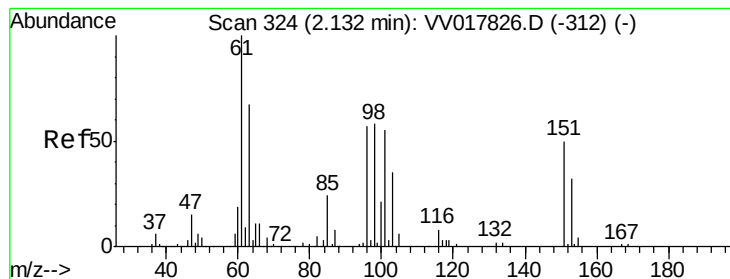
Tgt Ion: 64 Resp: 88920

Ion Ratio Lower Upper

64 100

66 5.6 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 0.781 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017837.D

Acq: 07 Aug 2020 14:06

Instrument :

MSVOA_V

ClientSampleId :

F2L54

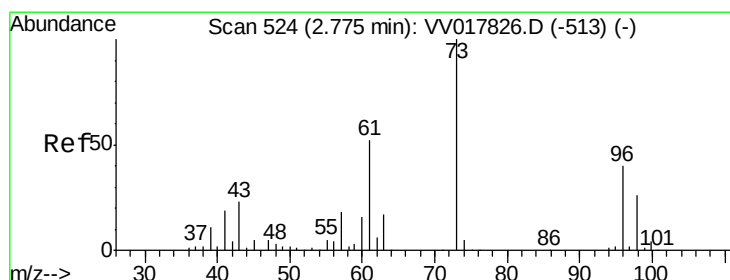
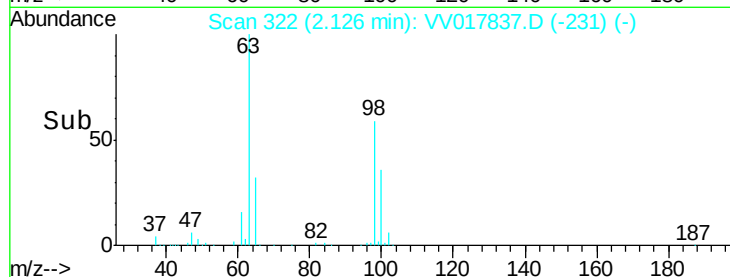
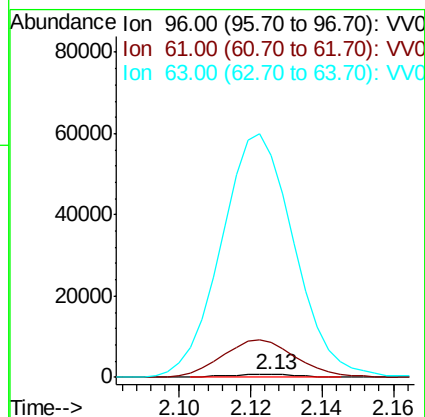
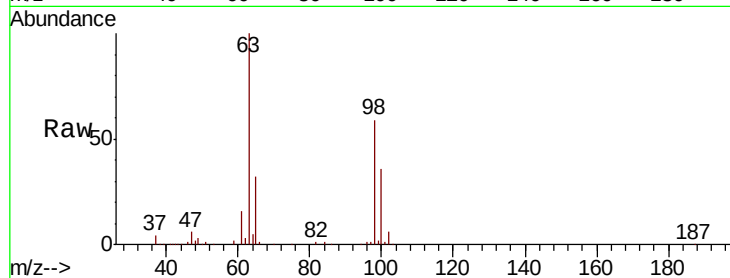
Tot Ion: 96 Resp: 1039

Ion Ratio Lower Upper

96 100

61 1250.5 131.0 243.2#

63 7987.2 88.5 164.3#



#17

trans-1,2-Dichloroethene

Concen: 0.894 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017837.D

Acq: 07 Aug 2020 14:06

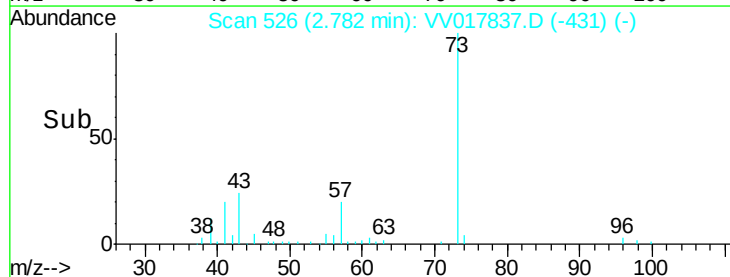
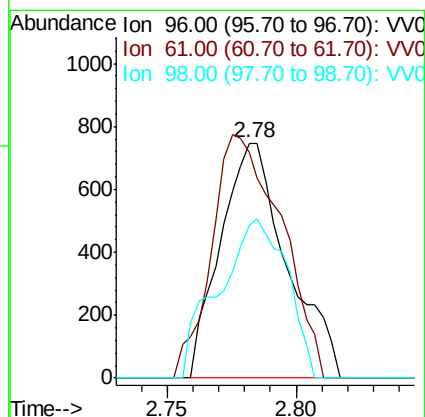
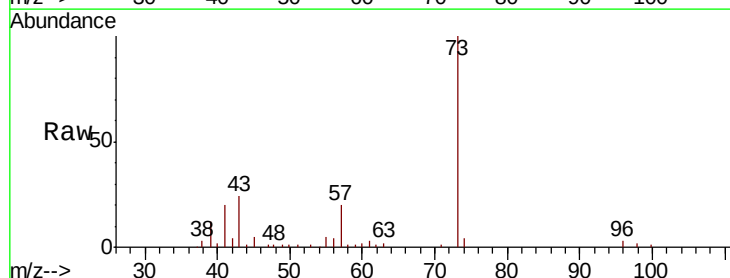
Tgt Ion: 96 Resp: 1340

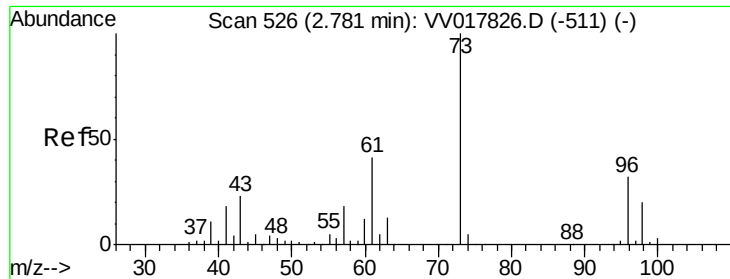
Ion Ratio Lower Upper

96 100

61 95.7 96.2 178.8#

98 65.1 43.2 80.2

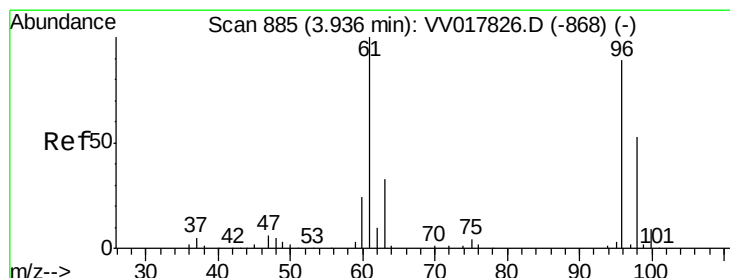
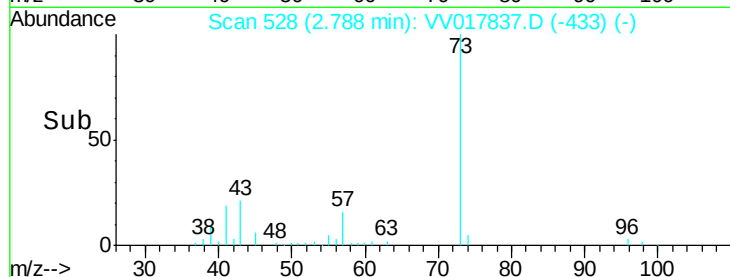
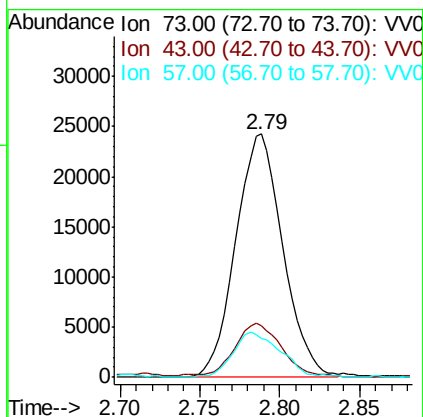
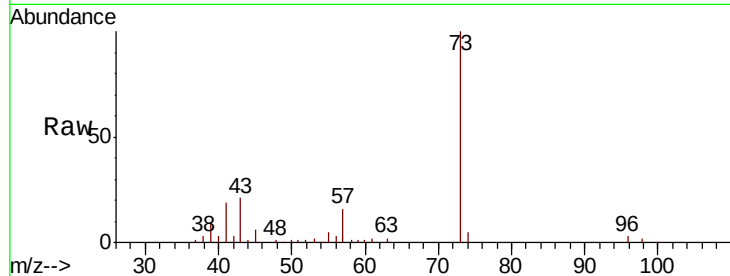




#18
Methyl tert-butyl Ether
Concen: 9.908 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.01 min
Lab File: VV017837.D
Acq: 07 Aug 2020 14:06

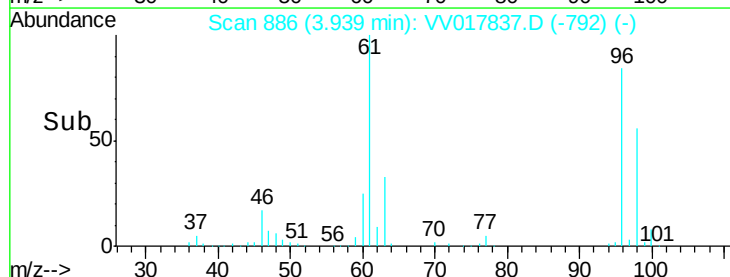
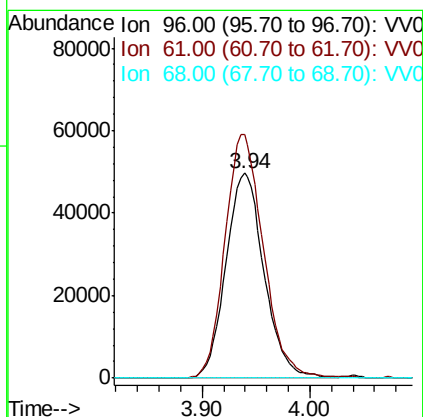
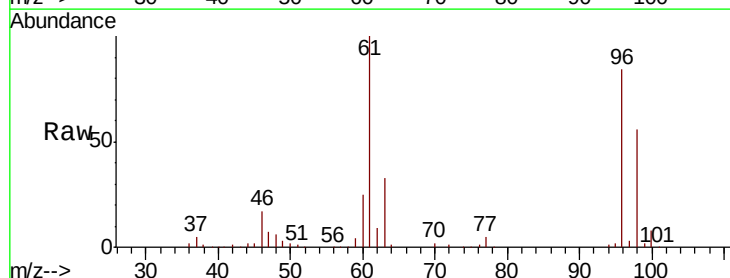
Instrument :
MSVOA_V
ClientSampleId :
F2L54

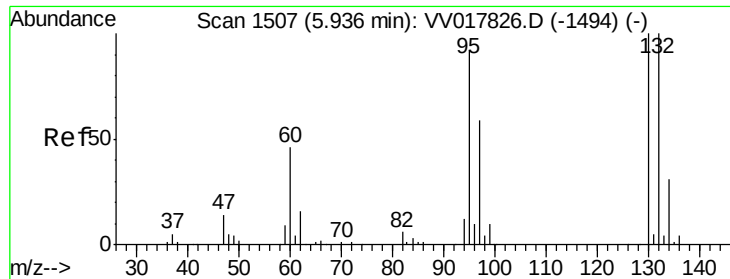
Tot Ion: 73 Resp: 48836
Ion Ratio Lower Upper
73 100
43 22.9 18.1 27.1
57 18.6 16.0 24.0



#20
cis-1,2-Dichloroethene
Concen: 76.553 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017837.D
Acq: 07 Aug 2020 14:06

Tgt Ion: 96 Resp: 122613
Ion Ratio Lower Upper
96 100
61 118.8 87.3 162.1
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 10.390 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017837.D

Acq: 07 Aug 2020 14:06

Instrument :

MSVOA_V

ClientSampleId :

F2L54

Tot Ion: 95 Resp: 17466

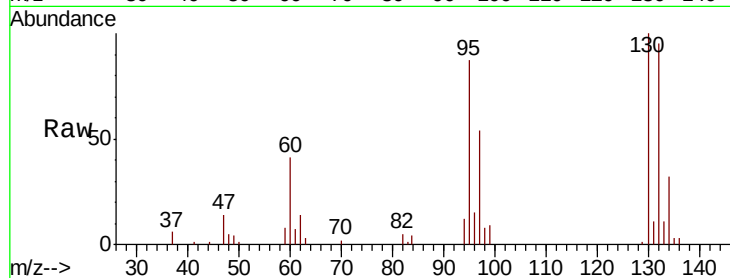
Ion Ratio Lower Upper

95 100

97 61.6 45.3 84.1

132 108.6 71.4 132.6

130 114.7 75.3 139.9

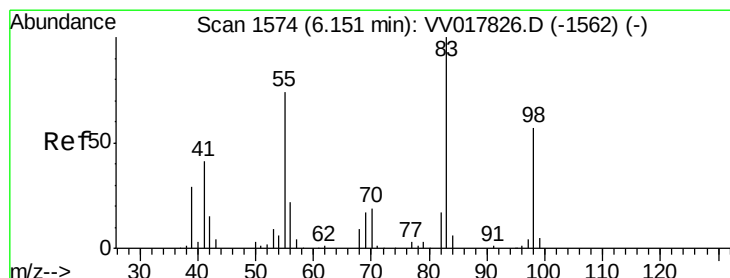
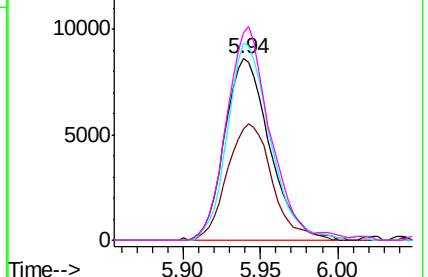
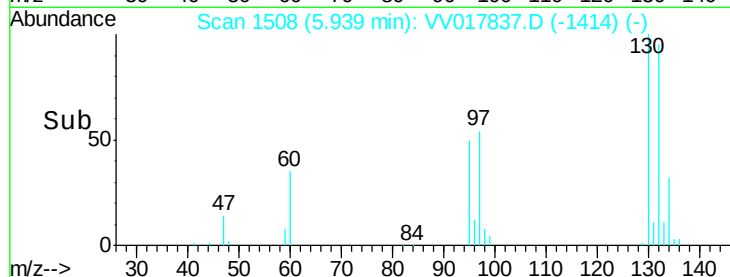


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 8.381 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017837.D

Acq: 07 Aug 2020 14:06

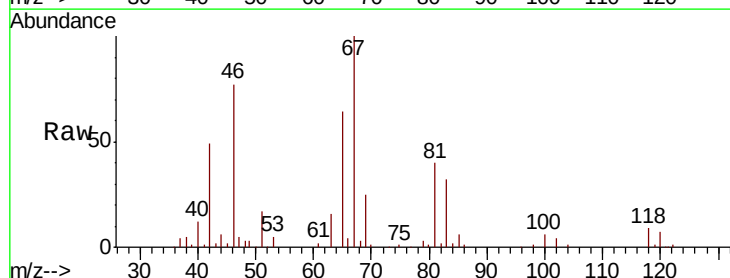
Tgt Ion: 83 Resp: 20666

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.2#

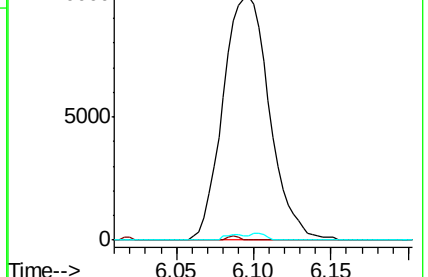
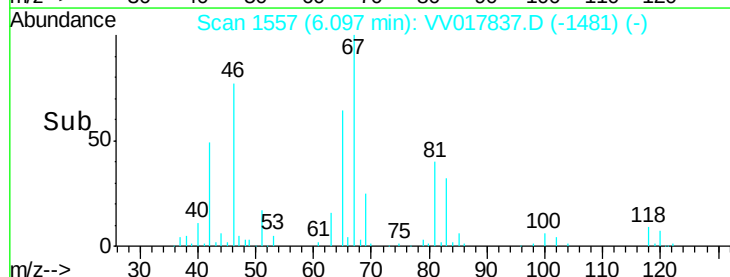
98 1.0 41.2 61.8#

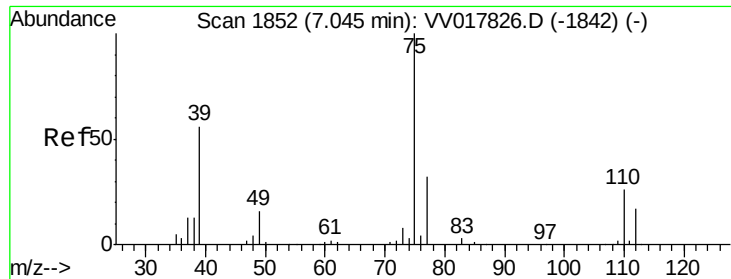


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

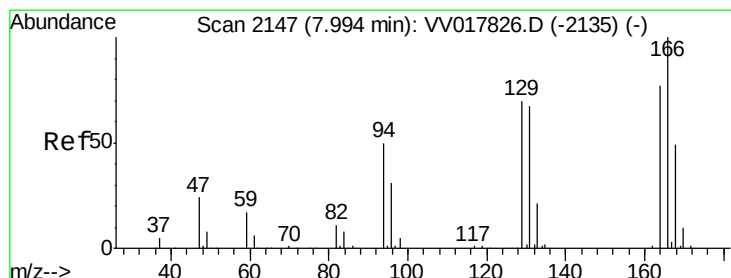
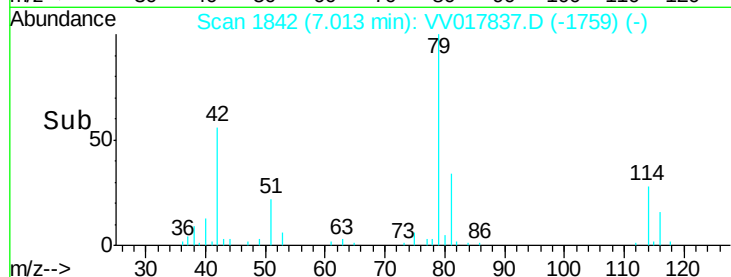
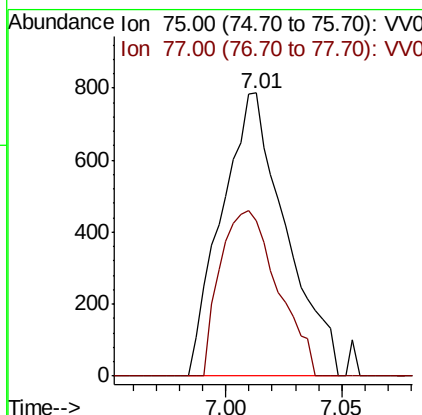
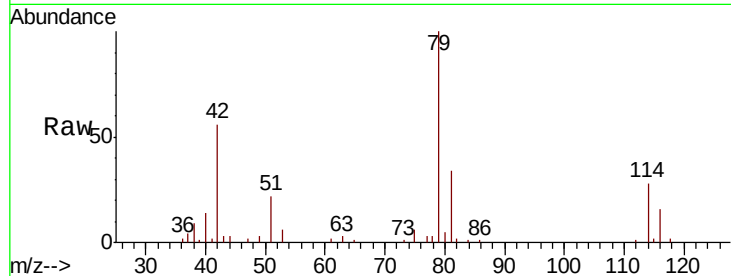




#39
 cis-1,3-Dichloropropene
 Concen: 0.607 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: VV017837.D
 Acq: 07 Aug 2020 14:06

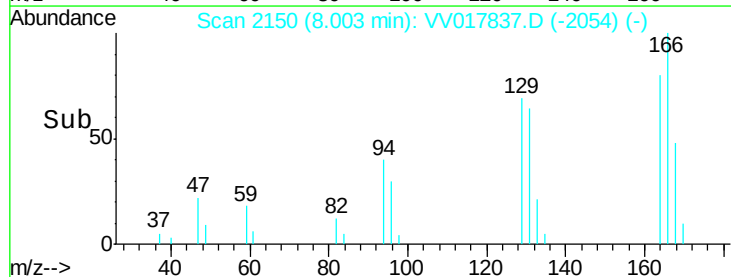
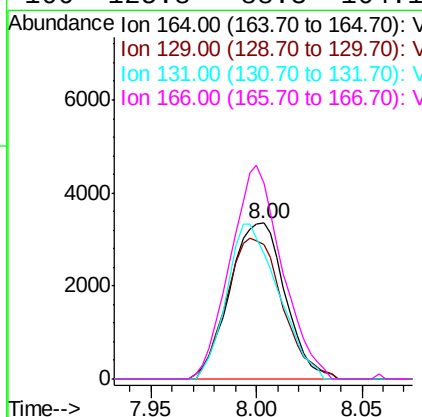
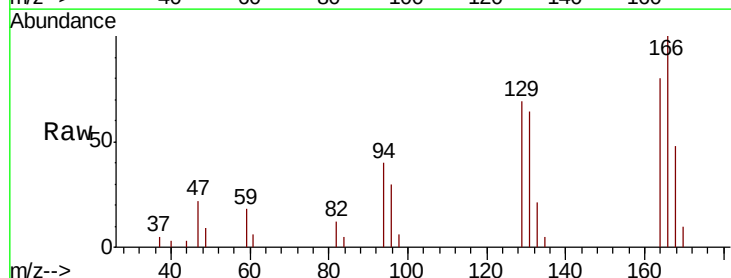
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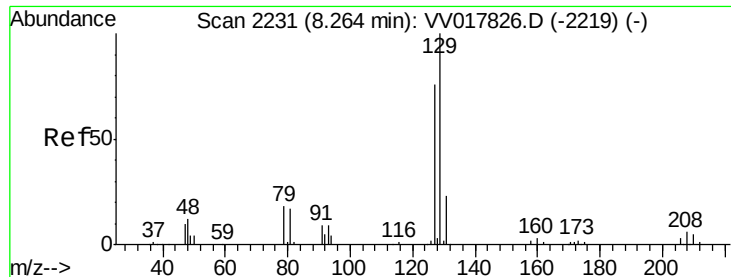
Tot Ion: 75 Resp: 1510
 Ion Ratio Lower Upper
 75 100
 77 54.8 23.2 43.0#



#46
 Tetrachloroethene
 Concen: 4.105 ug/L
 RT: 8.00 min Scan# 2150
 Delta R.T. 0.01 min
 Lab File: VV017837.D
 Acq: 07 Aug 2020 14:06

Tgt Ion: 164 Resp: 6113
 Ion Ratio Lower Upper
 164 100
 129 86.7 63.9 118.7
 131 80.4 62.6 116.3
 166 125.8 88.3 164.1





#49

Dibromochloromethane

Concen: 2.749 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017837.D

Acq: 07 Aug 2020 14:06

Instrument :

MSVOA_V

ClientSampleId :

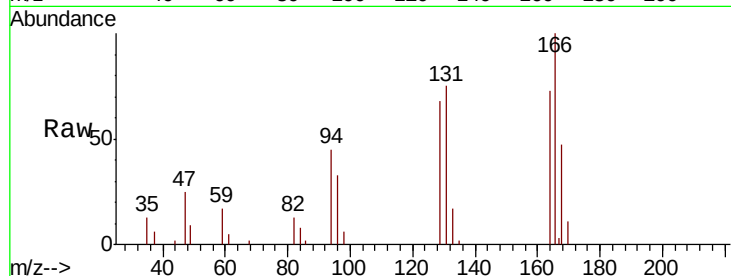
F2L54

Tot Ion:129 Resp: 5551

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

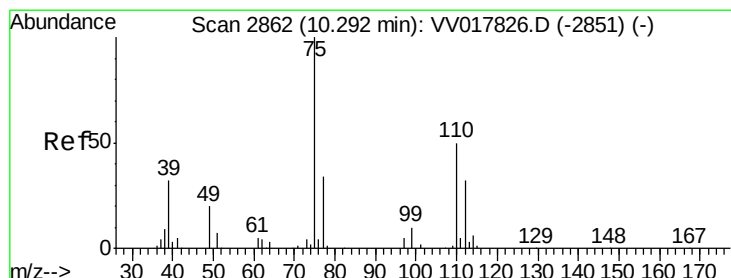
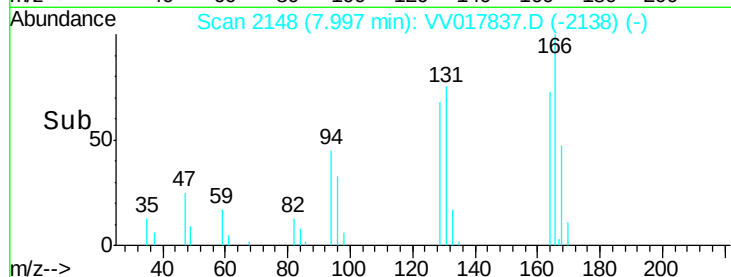
3000

2000

1000

0

Time--> 7.95 8.00 8.05



#59

1,2,3-Trichloropropane

Concen: 5.267 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017837.D

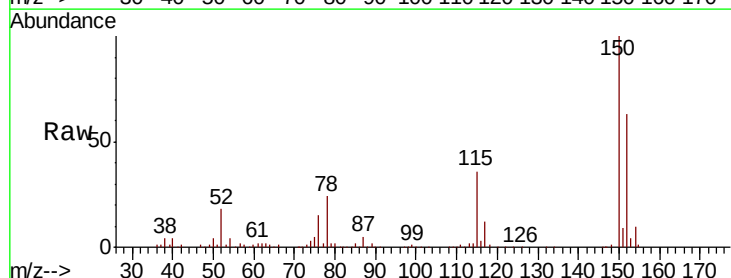
Acq: 07 Aug 2020 14:06

Tgt Ion: 75 Resp: 10390

Ion Ratio Lower Upper

75 100

77 45.4 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

6000

4000

2000

0

Time--> 11.25 11.30

