

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017955.D
 Acq On : 13 Aug 2020 03:17
 Operator : SY/MD
 Sample : L3644-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L76

Quant Time: Aug 13 06:02:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	244431	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	239944	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111652	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82222	44.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.18%
7) Chloroethane-d5	1.58	69	70111	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.90%
11) 1,1-Dichloroethene-d2	2.12	63	136889	38.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.74%
21) 2-Butanone-d5	3.91	46	122960	100.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.66%
24) Chloroform-d	4.38	84	152071	44.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.58%
26) 1,2-Dichloroethane-d4	5.06	65	108335	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.26%
32) Benzene-d6	5.08	84	313697	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
36) 1,2-Dichloropropane-d6	6.09	67	104393	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.58%
41) Toluene-d8	7.34	98	275680	46.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.72%
43) trans-1,3-Dichloropropene-	7.64	79	43365	44.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.46%
47) 2-Hexanone-d5	8.11	63	65937	95.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.04%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	129990	46.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	113079	51.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.92%

Target Compounds

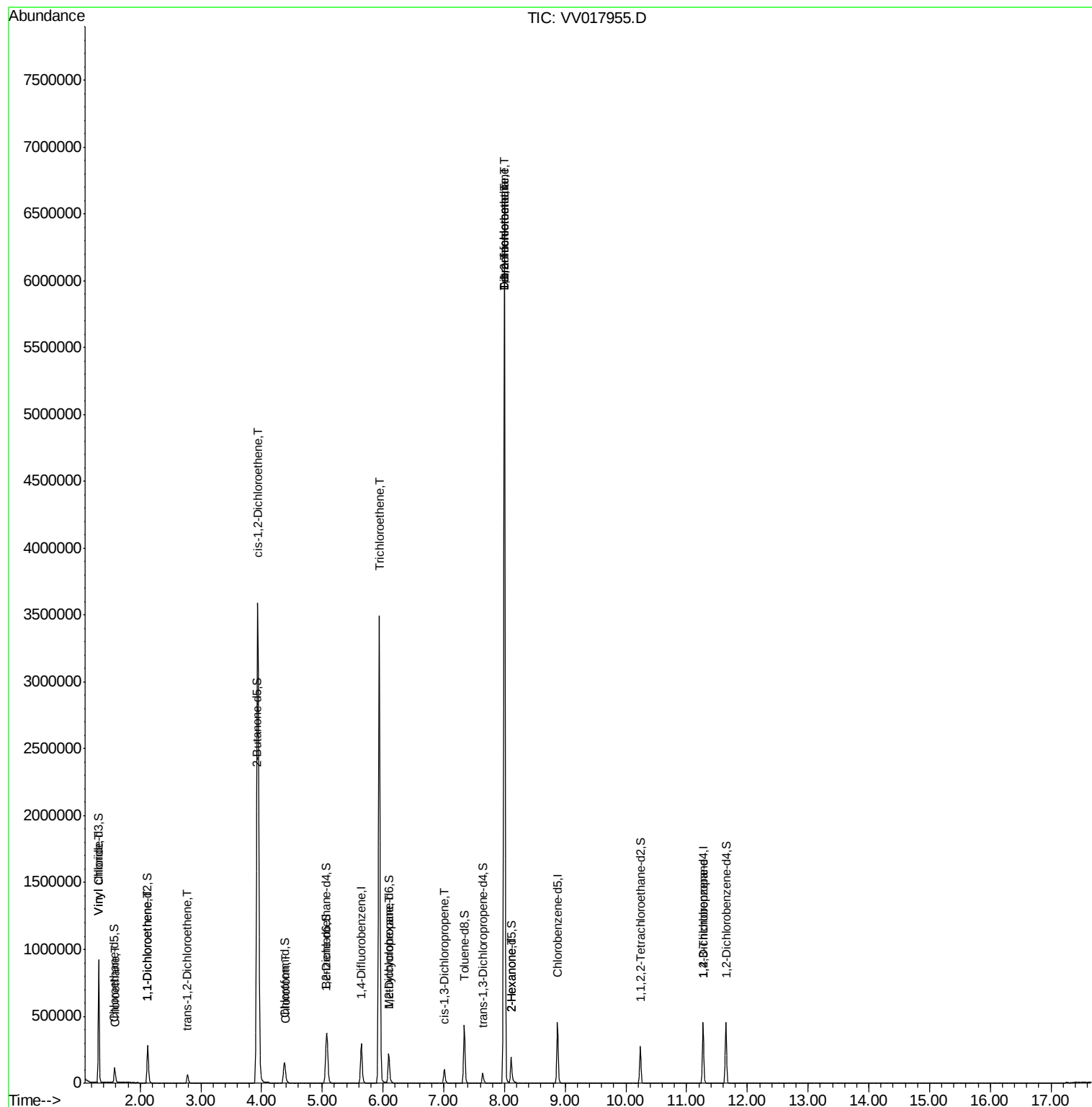
					Ovalue
5) Vinyl chloride	1.32	62	492079	226.564	ug/L 100
8) Chloroethane	1.60	64	27674	19.963	ug/L 100
12) 1,1-Dichloroethene	2.13	96	29785	18.166	ug/L # 41
17) trans-1,2-Dichloroethene	2.78	96	22788	13.521	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	1957867	1057.077	ug/L 99
25) Chloroform	4.40	83	6926	2.004	ug/L 95
34) Trichloroethene	5.94	95	1211203	617.255	ug/L 99
35) Methylcyclohexane	6.09	83	24737	8.478	ug/L # 17
39) cis-1,3-Dichloropropene	7.01	75	2671	0.931	ug/L # 81
45) 1,1,2-Trichloroethane	8.00	97	12461	6.646	ug/L # 1
46) Tetrachloroethene	8.00	164	1437847	999.134	ug/L 98
48) 2-Hexanone	8.11	43	8000	3.749	ug/L # 75
49) Dibromochloromethane	8.00	129	1321777	722.291	ug/L # 10
59) 1,2,3-Trichloropropane	11.27	75	13643	5.457	ug/L # 88

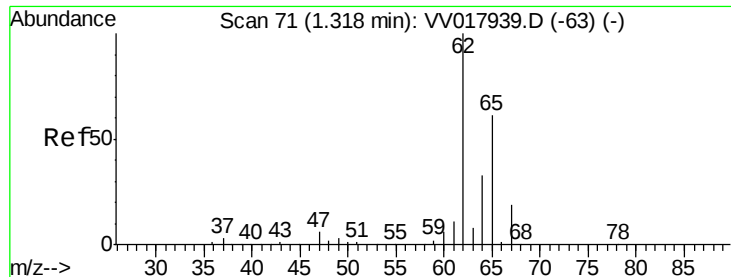
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 226.564 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

Instrument :

MSVOA_V

ClientSampled :

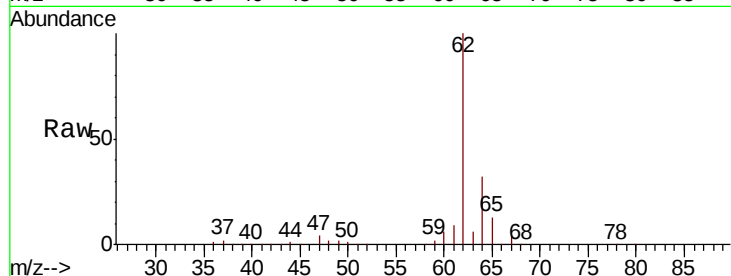
F2L76

Tot Ion: 62 Resp: 492079

Ion Ratio Lower Upper

62 100

64 32.2 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

500000

400000

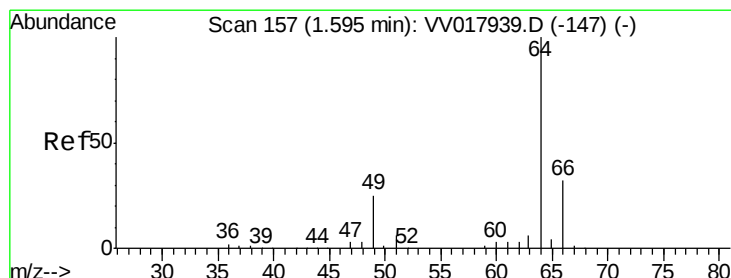
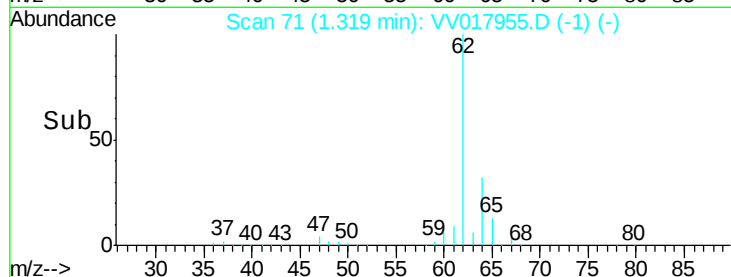
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#8

Chloroethane

Concen: 19.963 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017955.D

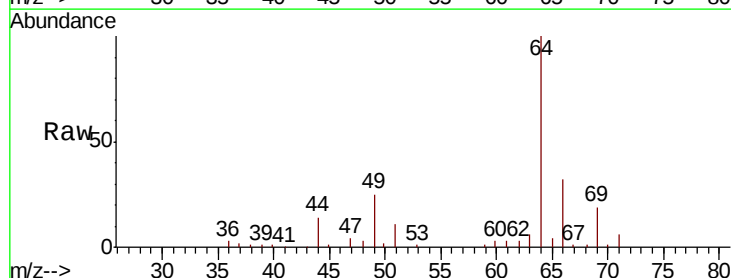
Acq: 13 Aug 2020 03:17

Tgt Ion: 64 Resp: 27674

Ion Ratio Lower Upper

64 100

66 32.1 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.60

25000

20000

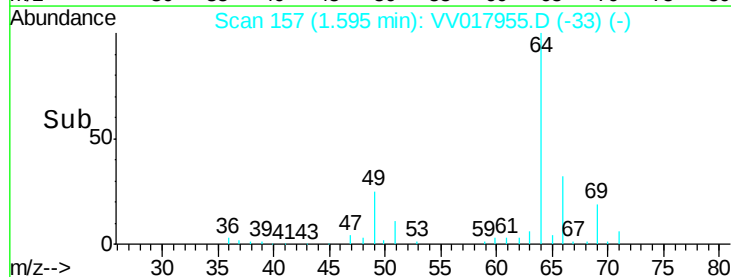
15000

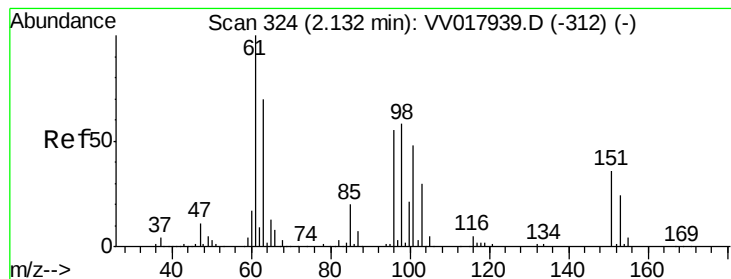
10000

5000

0

Time--> 1.55 1.60 1.65





#12

1,1-Dichloroethene

Concen: 18.166 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

Instrument :

MSVOA_V

ClientSampled :

F2L76

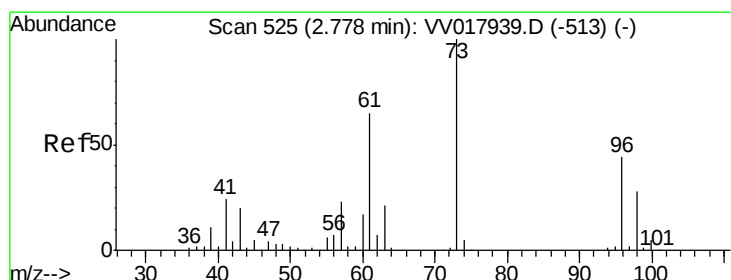
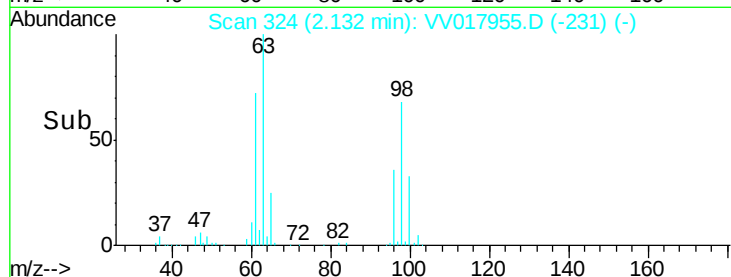
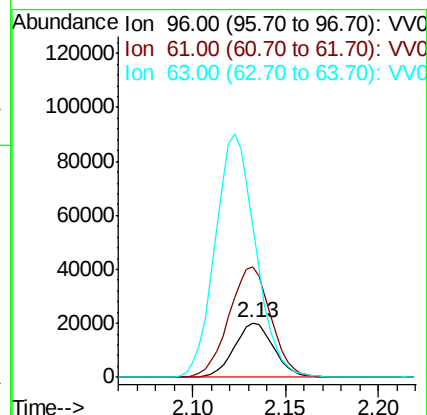
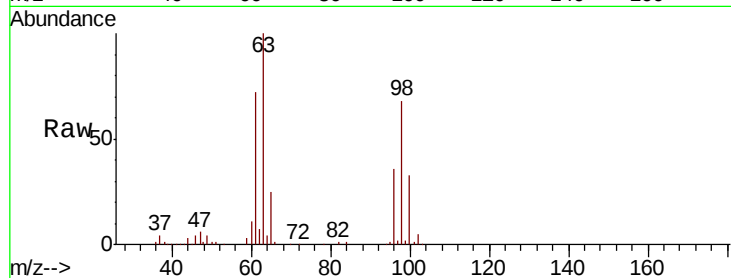
Tot Ion: 96 Resp: 29785

Ion Ratio Lower Upper

96 100

61 201.9 127.1 236.0

63 278.5 95.2 176.8#



#17

trans-1,2-Dichloroethene

Concen: 13.521 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

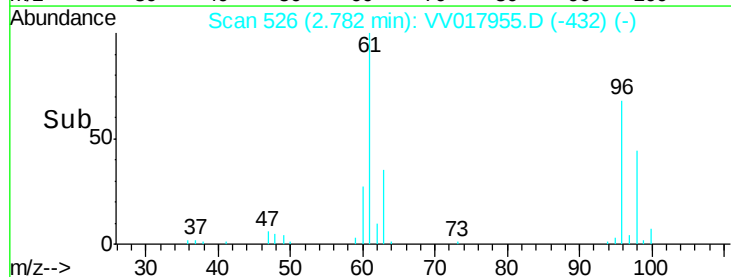
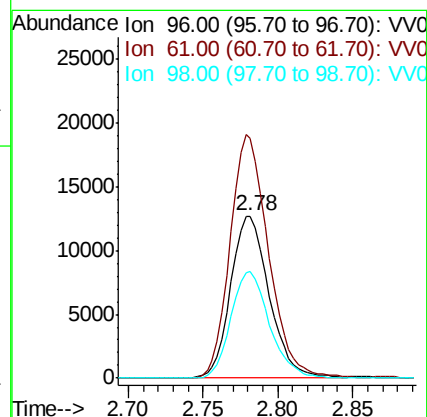
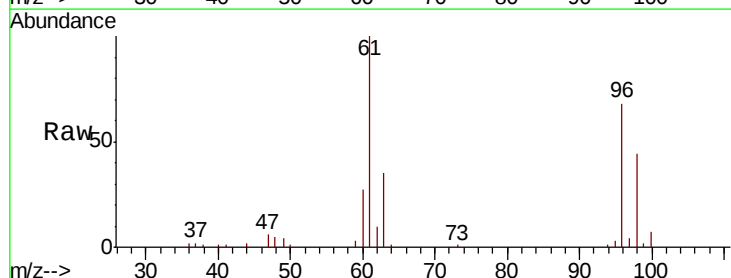
Tgt Ion: 96 Resp: 22788

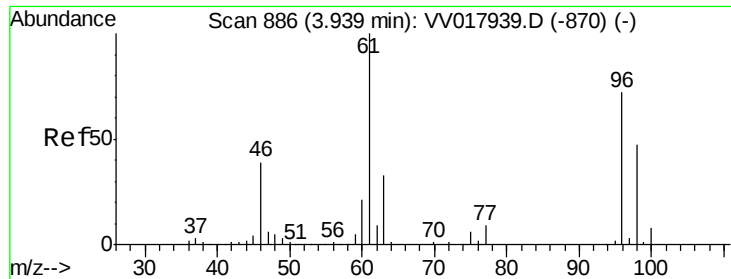
Ion Ratio Lower Upper

96 100

61 148.0 102.4 190.2

98 65.7 44.4 82.5



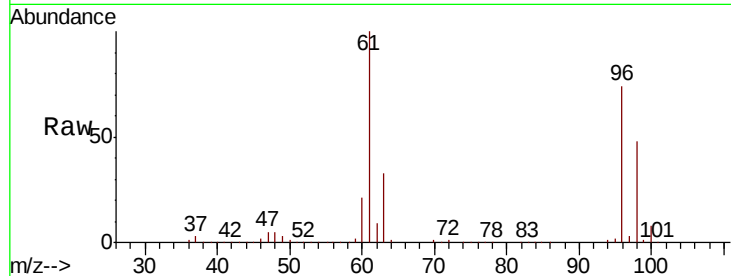


#20

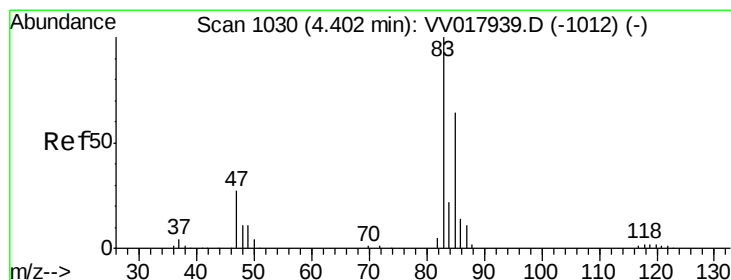
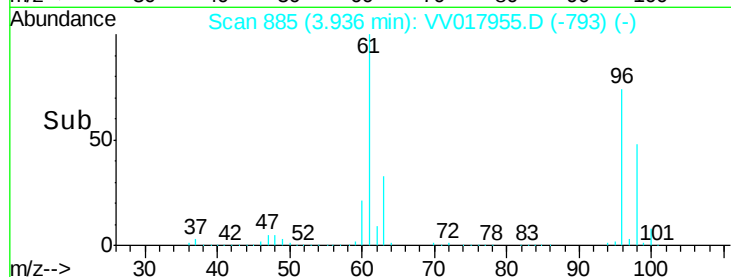
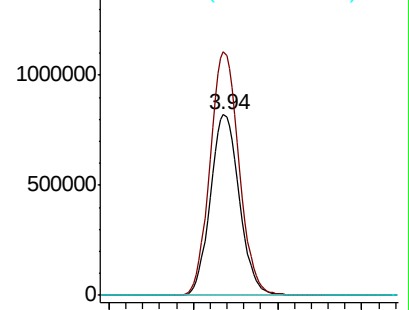
cis-1,2-Dichloroethene
 Concen: 1057.077 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017955.D
 Acq: 13 Aug 2020 03:17

Instrument :
 MSVOA_V
 ClientSampled :
 F2L76

Tot Ion: 96 Resp: 1957867
 Ion Ratio Lower Upper
 96 100
 61 134.9 95.0 176.4
 68 0.0 0.0 0.0



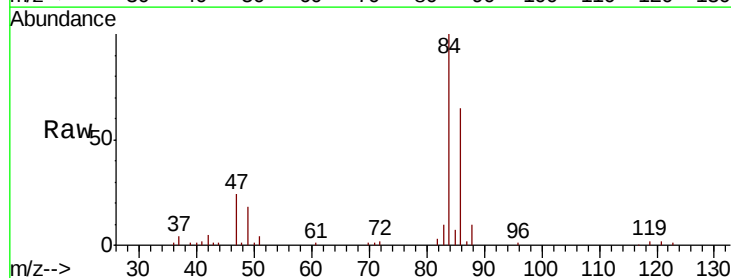
Abundance Ion 96.00 (95.70 to 96.70): VV0
 1500000 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



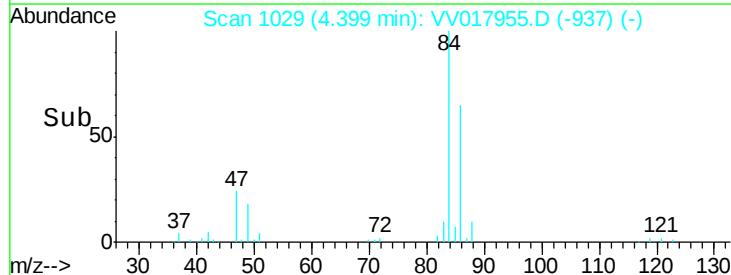
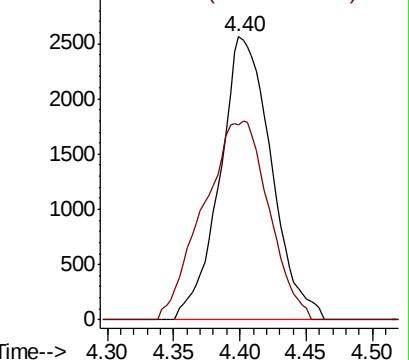
#25

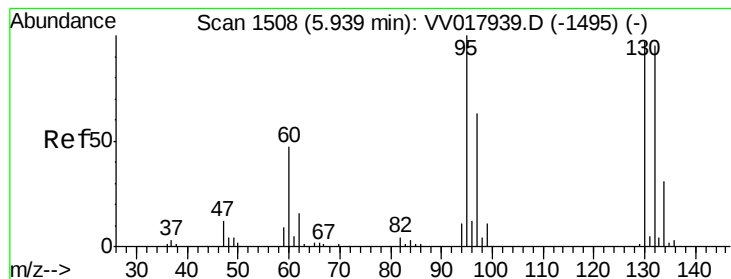
Chloroform
 Concen: 2.004 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV017955.D
 Acq: 13 Aug 2020 03:17

Tgt Ion: 83 Resp: 6926
 Ion Ratio Lower Upper
 83 100
 85 69.0 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 3000 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 617.255 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

Instrument :

MSVOA_V

ClientSampleId :

F2L76

Tot Ion: 95 Resp: 1211203

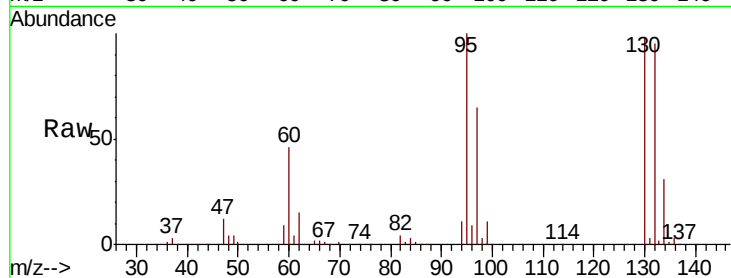
Ion Ratio Lower Upper

95 100

97 64.9 46.0 85.4

132 95.1 65.8 122.2

130 98.2 69.2 128.6

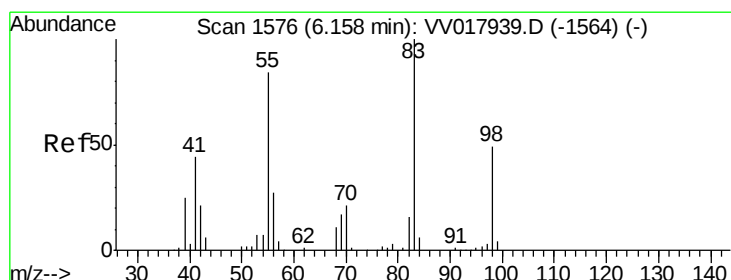
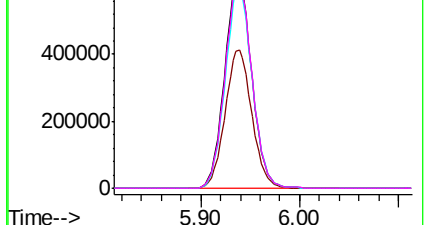
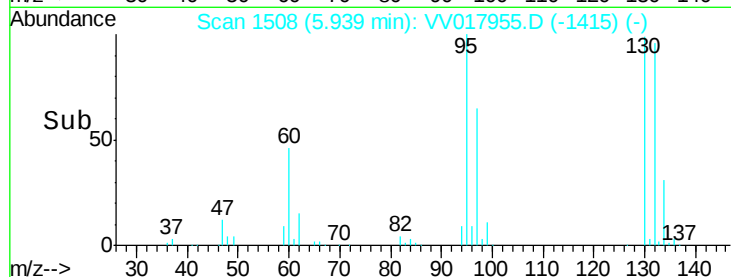


Abundance Ion 95.00 (94.70 to 95.70): VV017939.D (-1495) (-)

Ion 97.00 (96.70 to 97.70): VV017939.D (-1495) (-)

Ion 132.00 (131.70 to 132.70): VV017939.D (-1495) (-)

Ion 130.00 (129.70 to 130.70): VV017939.D (-1495) (-)



#35

Methylcyclohexane

Concen: 8.478 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

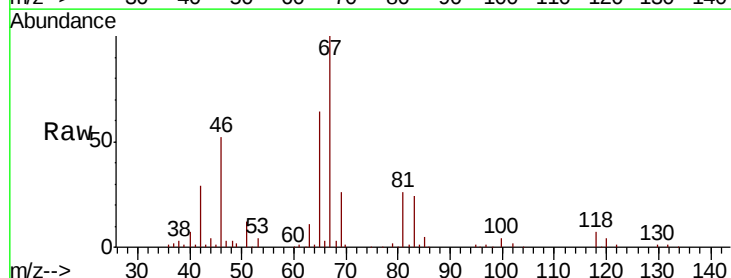
Tgt Ion: 83 Resp: 24737

Ion Ratio Lower Upper

83 100

55 0.2 64.9 97.3#

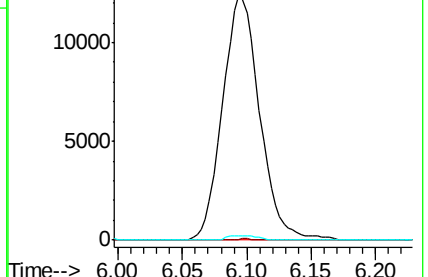
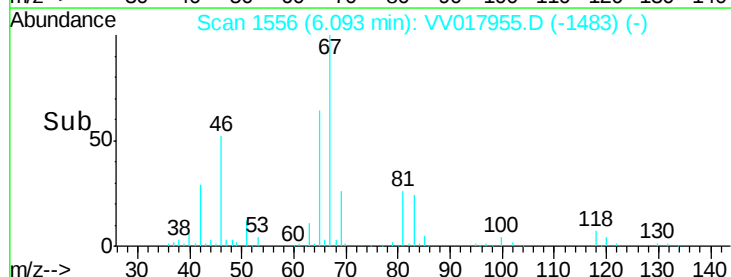
98 1.4 38.7 58.1#

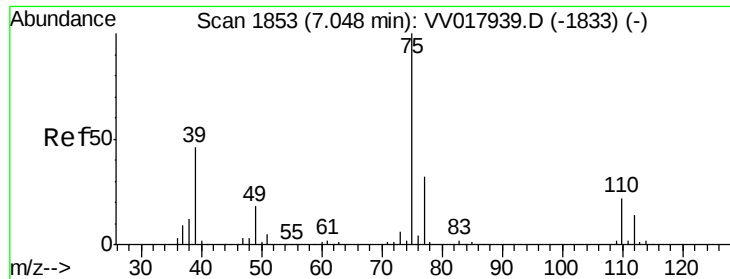


Abundance Ion 83.00 (82.70 to 83.70): VV017939.D (-1564) (-)

Ion 55.00 (54.70 to 55.70): VV017939.D (-1564) (-)

Ion 98.00 (97.70 to 98.70): VV017939.D (-1564) (-)

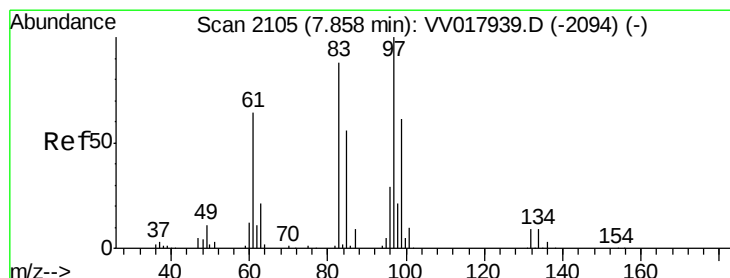
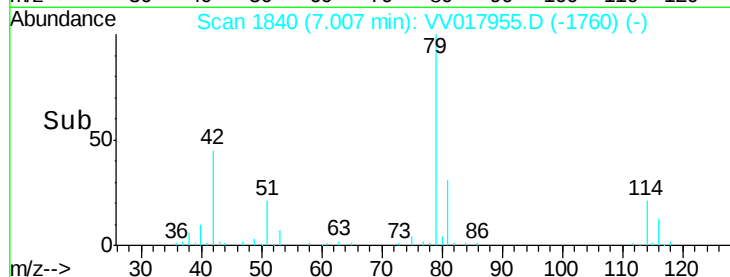
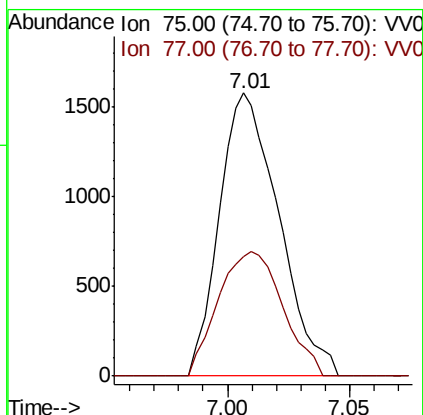
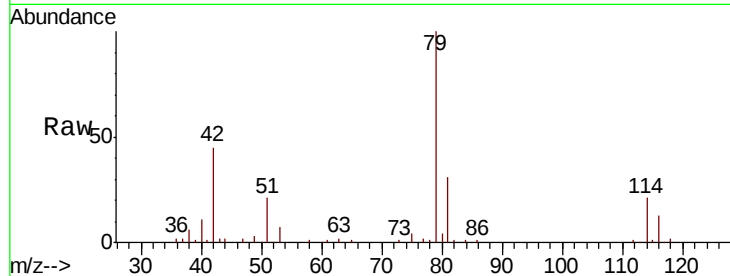




#39
 cis-1,3-Dichloropropene
 Concen: 0.931 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017955.D
 Acq: 13 Aug 2020 03:17

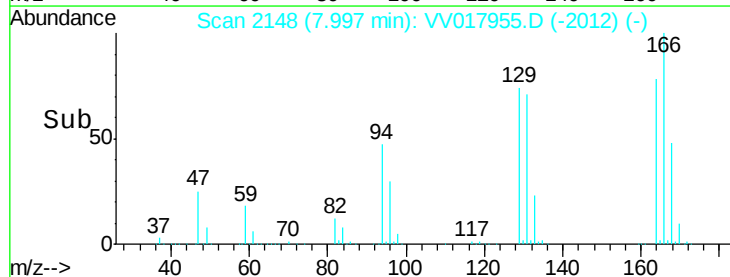
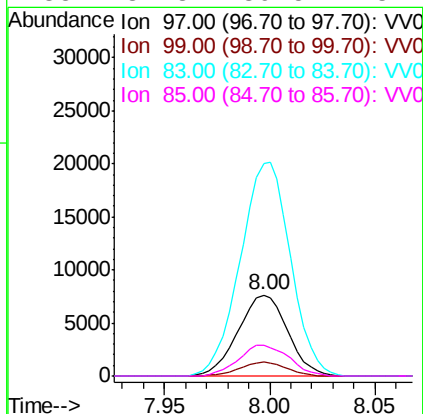
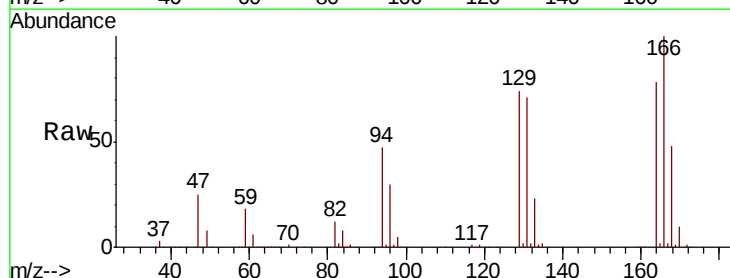
Instrument :
 MSVOA_V
 ClientSampleId :
 F2L76

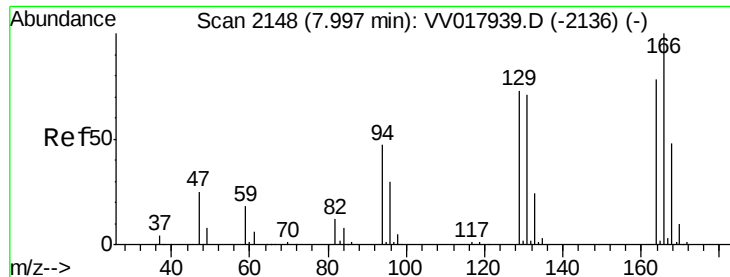
Tot Ion: 75 Resp: 2671
 Ion Ratio Lower Upper
 75 100
 77 42.4 22.3 41.5#



#45
 1,1,2-Trichloroethane
 Concen: 6.646 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.14 min
 Lab File: VV017955.D
 Acq: 13 Aug 2020 03:17

Tgt Ion: 97 Resp: 12461
 Ion Ratio Lower Upper
 97 100
 99 16.7 44.2 82.2#
 83 263.0 61.0 113.4#
 85 37.3 39.5 73.4#





#46

Tetrachloroethene

Concen: 999.134 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

Instrument :

MSVOA_V

ClientSampleId :

F2L76

Tot Ion:164 Resp: 1437847

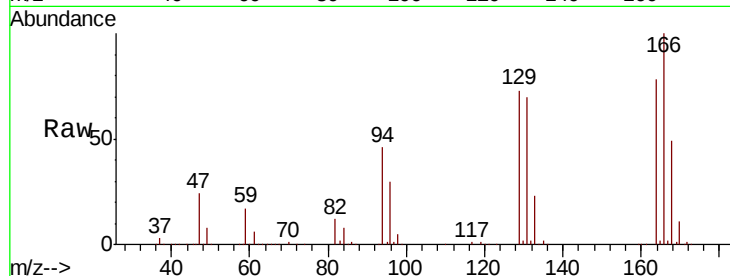
Ion Ratio Lower Upper

164 100

129 94.2 64.8 120.3

131 90.6 64.5 119.9

166 128.9 88.9 165.1

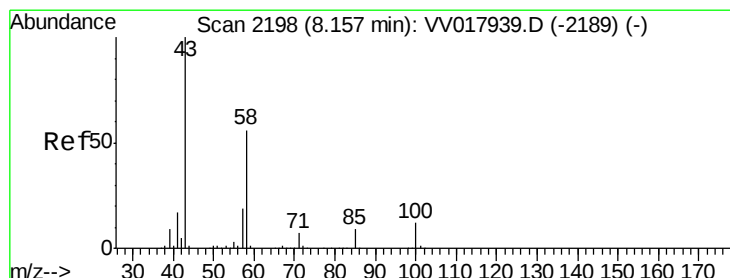
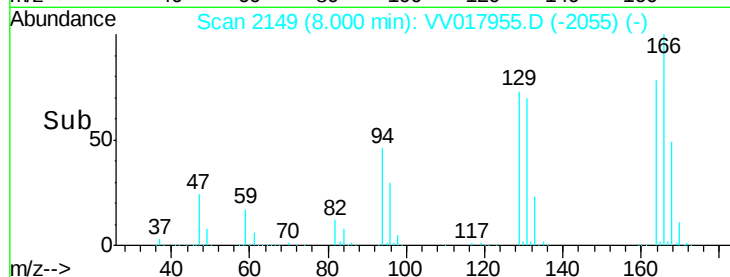
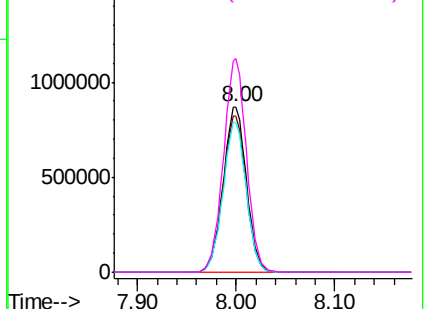


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 3.749 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

Tgt Ion: 43 Resp: 8000

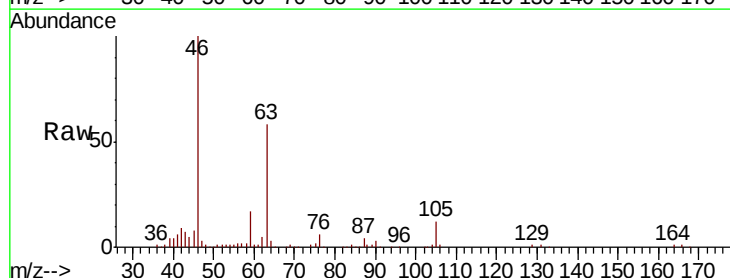
Ion Ratio Lower Upper

43 100

58 35.9 44.4 66.6#

57 27.6 15.2 22.8#

100 1.4 9.8 14.6#

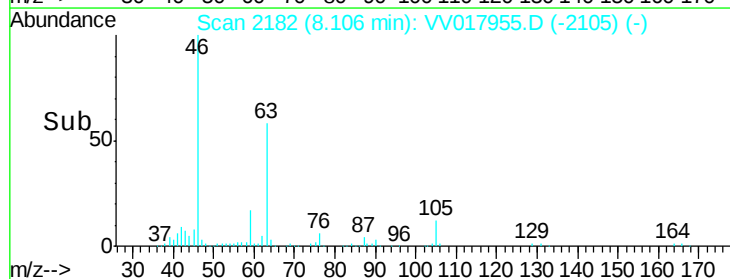
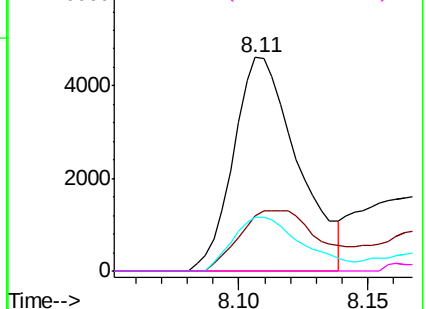


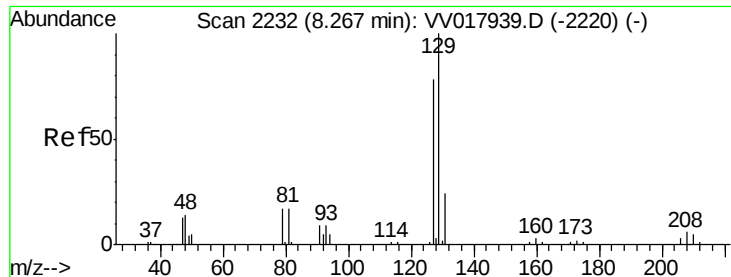
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 722.291 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

Instrument :

MSVOA_V

ClientSampleId :

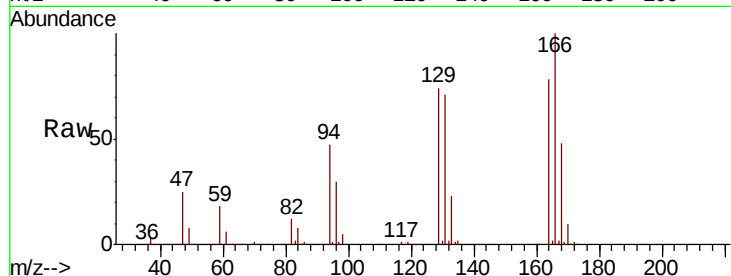
F2L76

Tot Ion:129 Resp: 1321777

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.00

800000

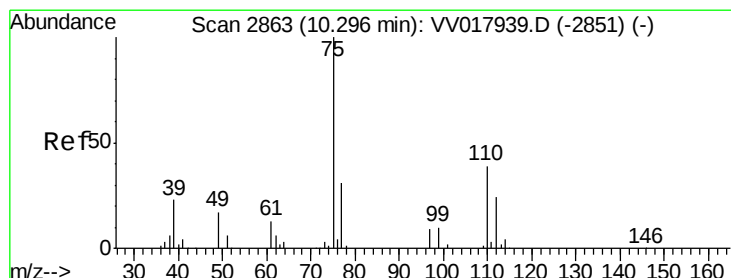
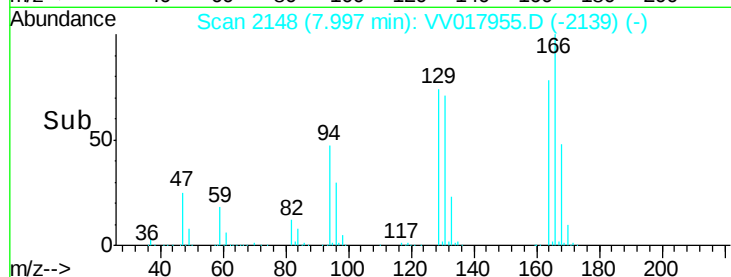
600000

400000

200000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.457 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV017955.D

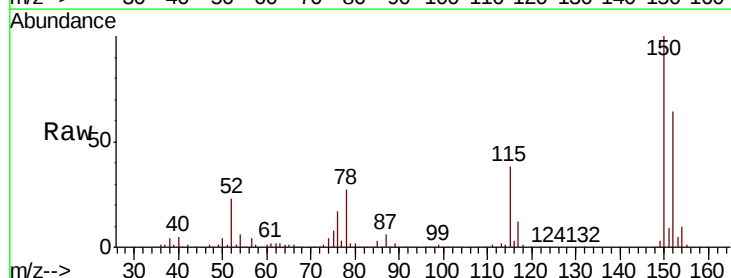
Acq: 13 Aug 2020 03:17

Tgt Ion: 75 Resp: 13643

Ion Ratio Lower Upper

75 100

77 38.6 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

11.27

10000

8000

6000

4000

2000

0

Time-->

