

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017929.D
 Acq On : 12 Aug 2020 15:37
 Operator : SY/MD
 Sample : L3644-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L65

Quant Time: Aug 13 04:38:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 04:34:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	254338	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	247293	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	108625	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	92885	47.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.72%
7) Chloroethane-d5	1.57	69	74136	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.12	63	131793	35.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.00%
21) 2-Butanone-d5	3.91	46	131712	103.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.63%
24) Chloroform-d	4.38	84	168476	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
26) 1,2-Dichloroethane-d4	5.06	65	116007	50.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.12%
32) Benzene-d6	5.07	84	338012	49.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.09	67	110491	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.18%
41) Toluene-d8	7.34	98	294082	47.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.96%
43) trans-1,3-Dichloropropene-	7.64	79	47702	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.40%
47) 2-Hexanone-d5	8.11	63	72185	100.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	141264	48.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	114062	53.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.70%

Target Compounds

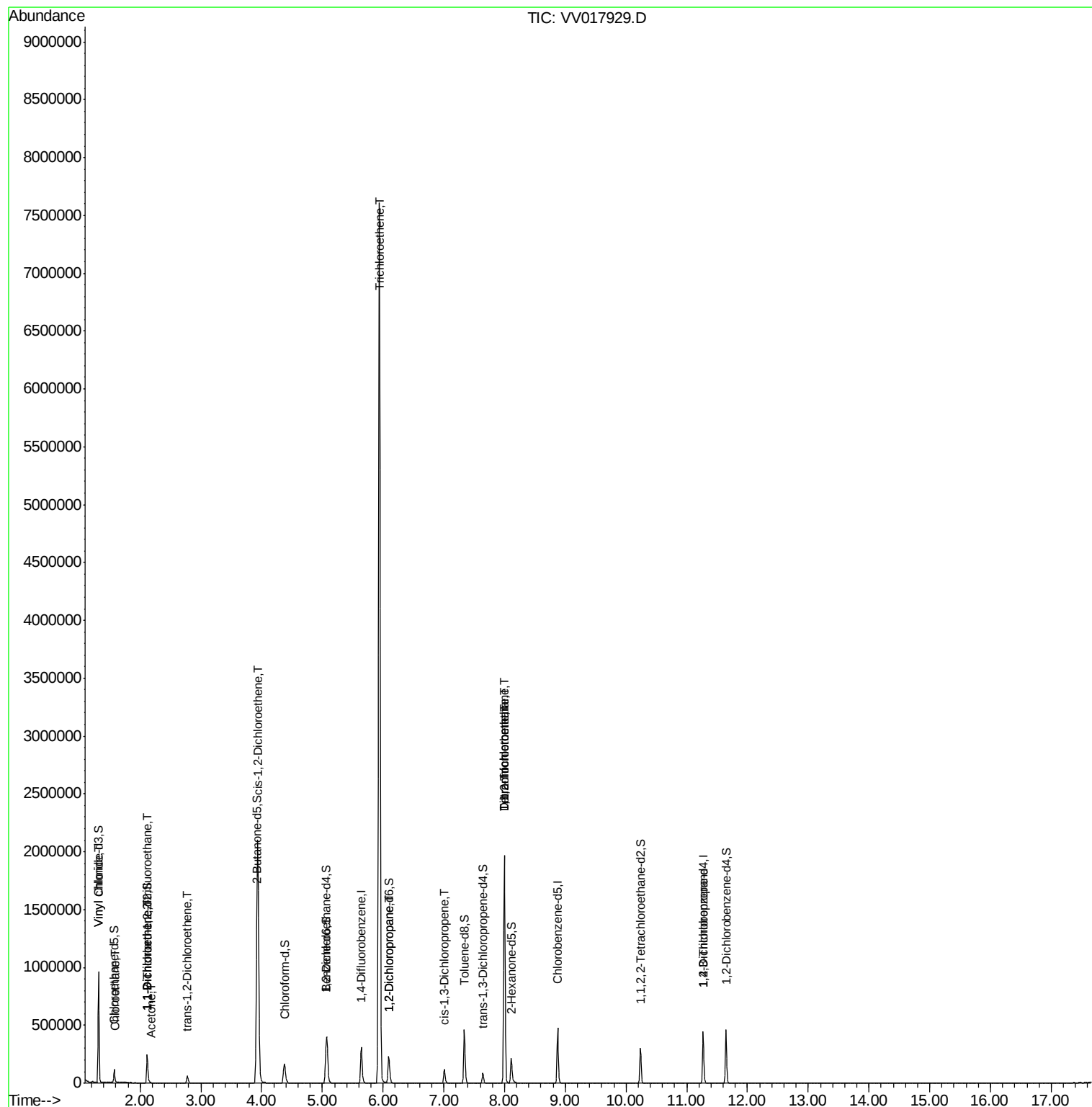
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	507325	224.485	ug/L	99
8) Chloroethane	1.59	64	1320	0.915	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1192	0.661	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	2289	1.342	ug/L #	1
13) Acetone	2.19	43	1533	1.168	ug/L	70
17) trans-1,2-Dichloroethene	2.78	96	22071	12.585	ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	1135179	589.024	ug/L	99
34) Trichloroethene	5.94	95	2626313	1298.650	ug/L	99
37) 1,2-Dichloropropane	6.09	63	12328	5.909	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2883	0.975	ug/L #	62
45) 1,1,2-Trichloroethane	8.00	97	3652	1.890	ug/L #	1
46) Tetrachloroethene	8.00	164	428129	288.658	ug/L	98
49) Dibromochloromethane	8.00	129	390273	206.929	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	13454	5.221	ug/L	91

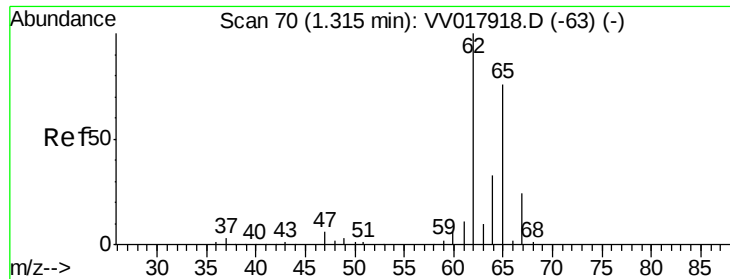
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 04:34:59 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 224.485 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV017929.D

Acq: 12 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

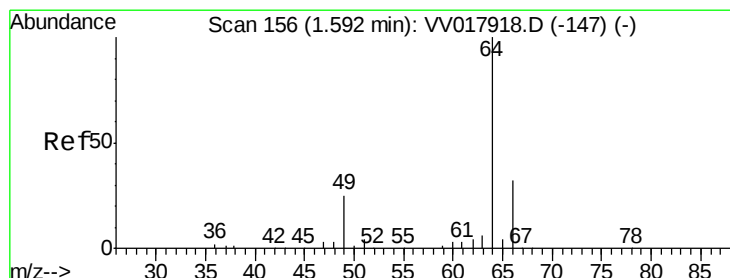
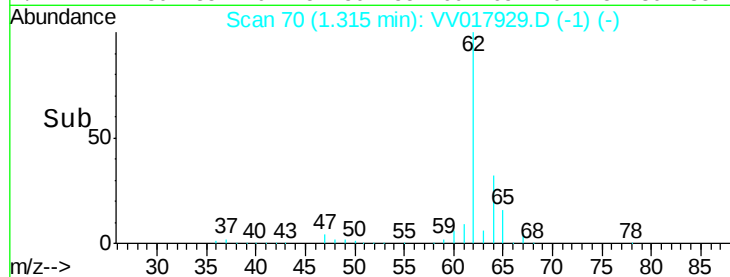
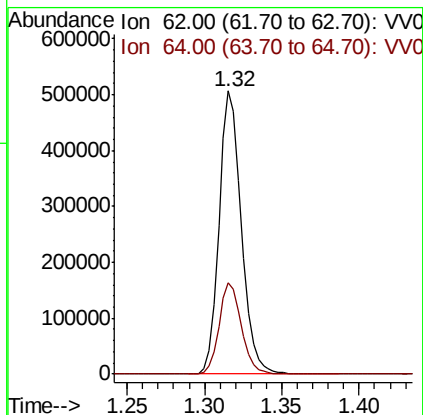
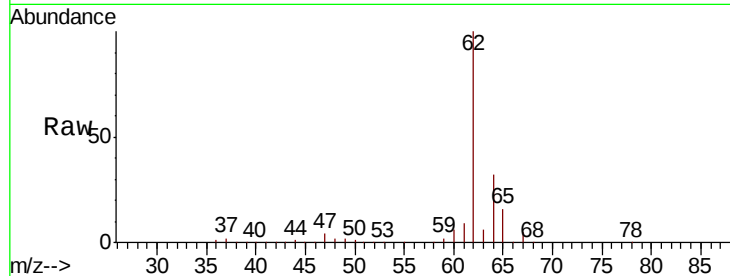
F2L65

Tot Ion: 62 Resp: 507325

Ion Ratio Lower Upper

62 100

64 32.5 22.4 41.6



#8

Chloroethane

Concen: 0.915 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017929.D

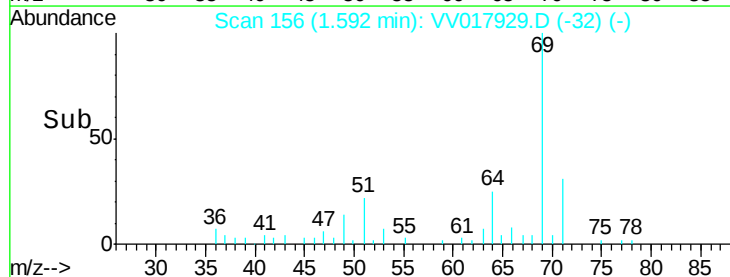
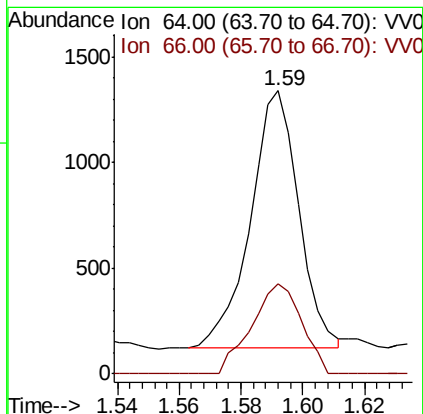
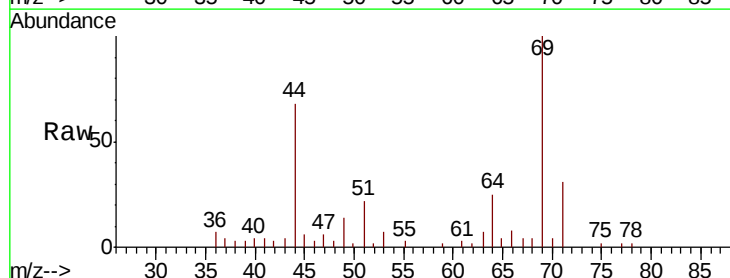
Acq: 12 Aug 2020 15:37

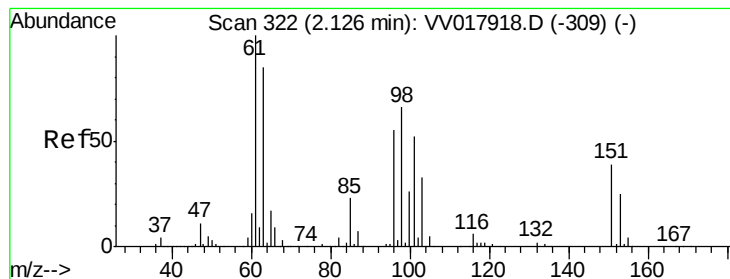
Tgt Ion: 64 Resp: 1320

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.3





#10

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

Concen: 0.661 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV017929.D

Acq: 12 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

F2L65

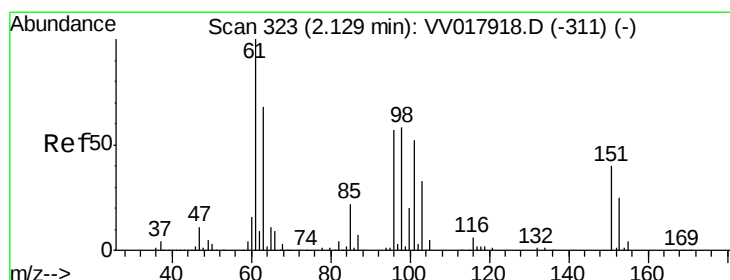
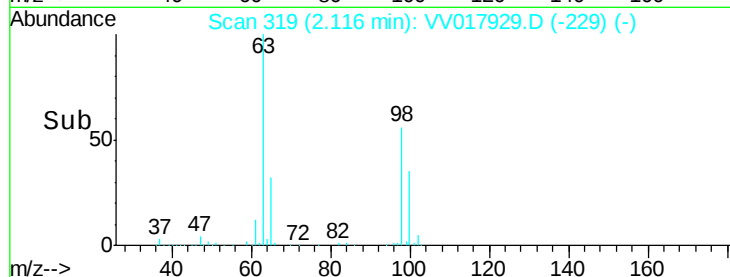
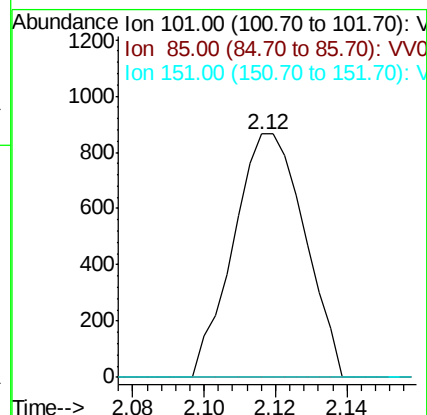
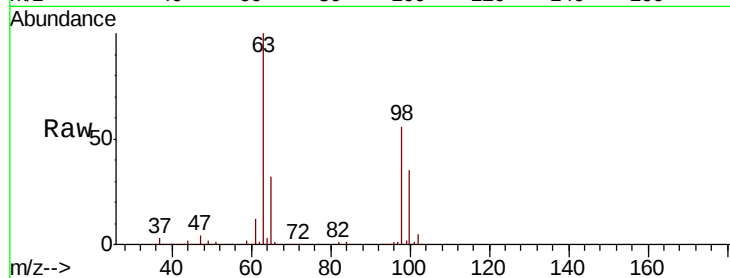
Tot Ion:101 Resp: 1192

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#



#12

1,1-Dichloroethene

Concen: 1.342 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017929.D

Acq: 12 Aug 2020 15:37

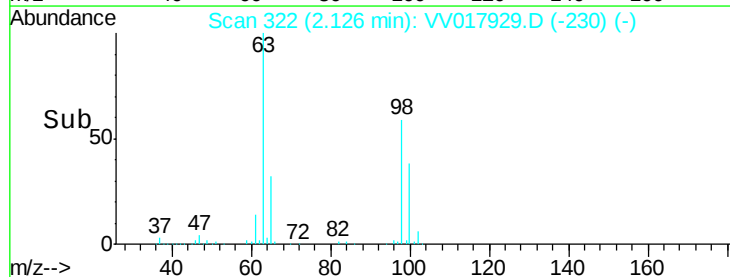
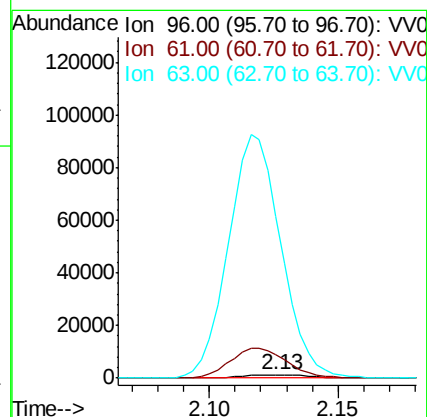
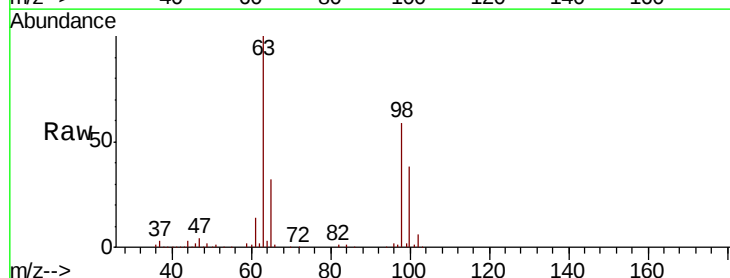
Tgt Ion: 96 Resp: 2289

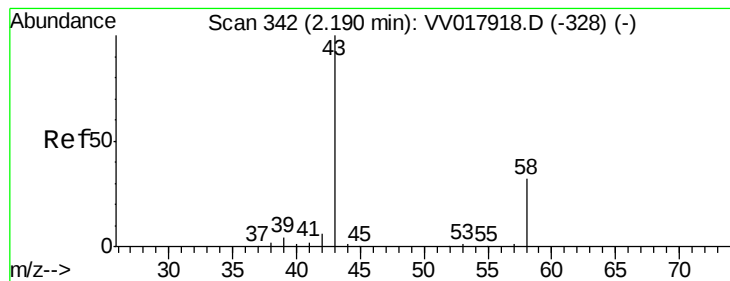
Ion Ratio Lower Upper

96 100

61 675.9 127.1 236.0#

63 4697.5 95.2 176.8#





#13

Acetone

Concen: 1.168 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV017929.D

Acq: 12 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

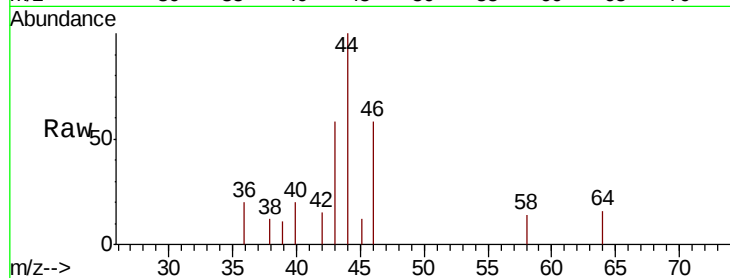
F2L65

Tot Ion: 43 Resp: 1533

Ion Ratio Lower Upper

43 100

58 15.1 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017918.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV017918.D (-328) (-)

2.19

600

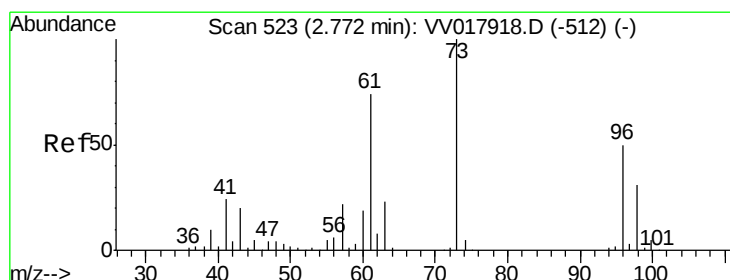
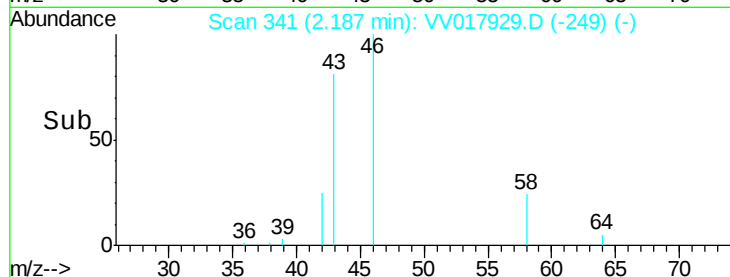
400

200

0

2.15 2.20 2.25

Time-->



#17

trans-1,2-Dichloroethene

Concen: 12.585 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017929.D

Acq: 12 Aug 2020 15:37

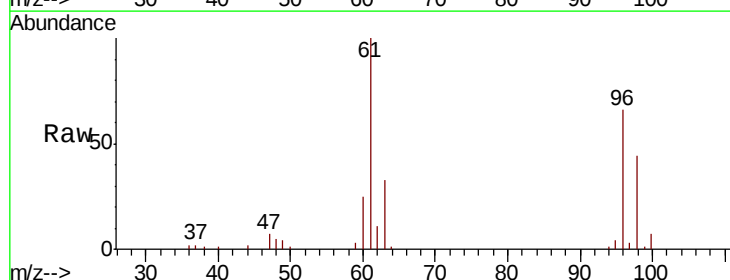
Tgt Ion: 96 Resp: 22071

Ion Ratio Lower Upper

96 100

61 151.9 102.4 190.2

98 67.1 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV017918.D (-512) (-)

Ion 61.00 (60.70 to 61.70): VV017918.D (-512) (-)

Ion 98.00 (97.70 to 98.70): VV017918.D (-512) (-)

2.78

25000

20000

15000

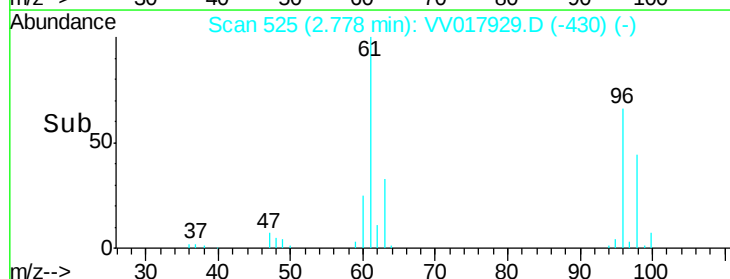
10000

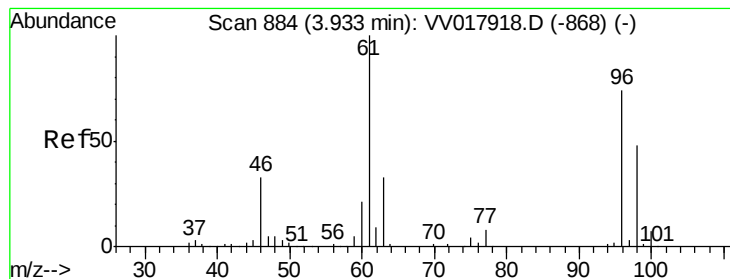
5000

0

2.70 2.75 2.80 2.85

Time-->



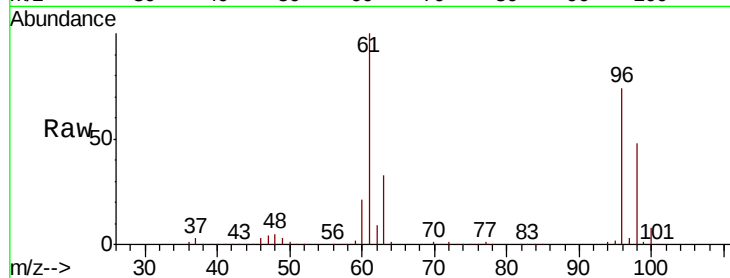


#20

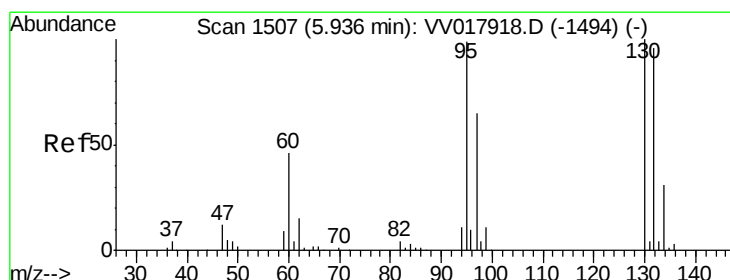
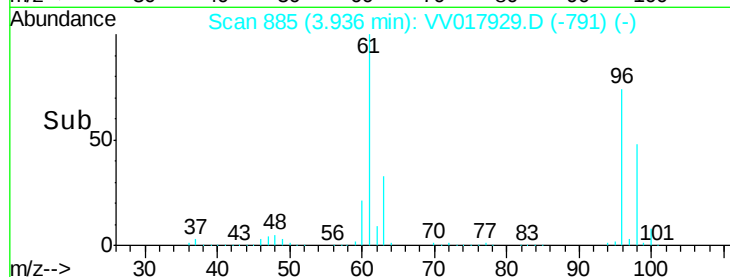
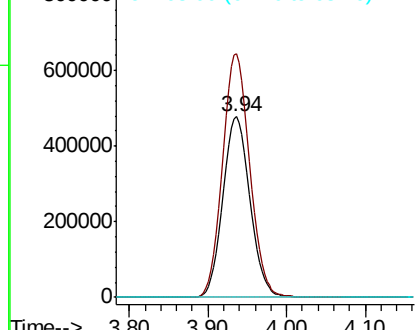
cis-1,2-Dichloroethene
 Concen: 589.024 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017929.D
 Acq: 12 Aug 2020 15:37

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L65

Tot Ion: 96 Resp: 1135179
 Ion Ratio Lower Upper
 96 100
 61 134.7 95.0 176.4
 68 0.0 0.0 0.0



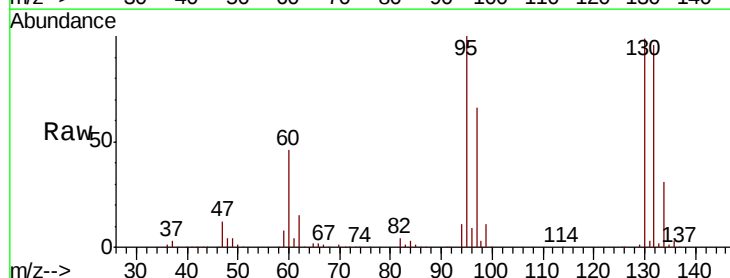
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



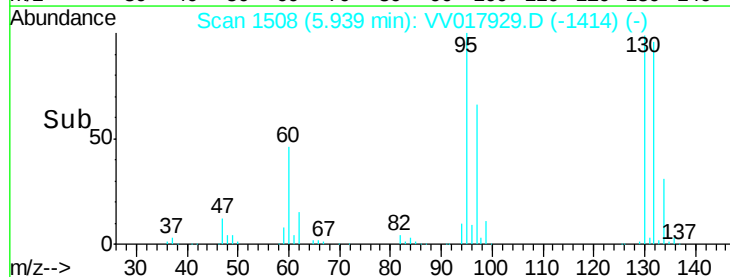
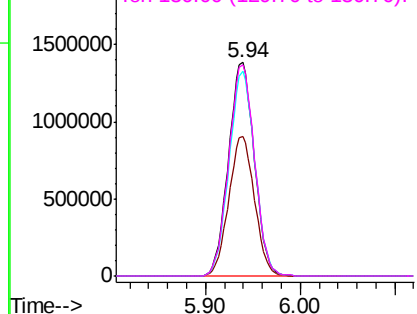
#34

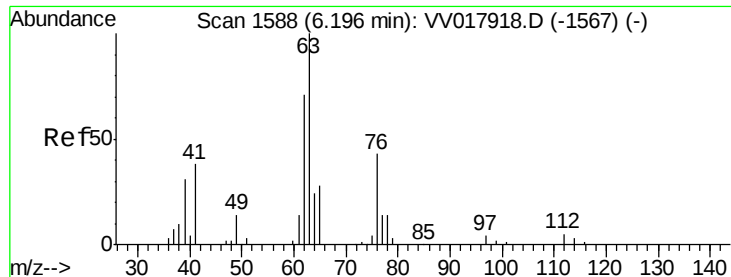
Trichloroethene
 Concen: 1298.650 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017929.D
 Acq: 12 Aug 2020 15:37

Tgt Ion: 95 Resp: 2626313
 Ion Ratio Lower Upper
 95 100
 97 65.5 46.0 85.4
 132 95.8 65.8 122.2
 130 99.1 69.2 128.6



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





#37

1,2-Dichloropropane

Concen: 5.909 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV017929.D

Acq: 12 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampled :

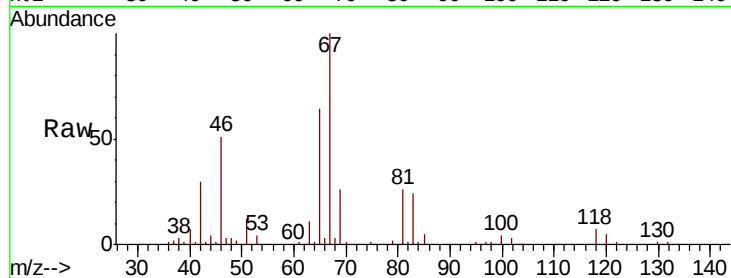
F2L65

Tot Ion: 63 Resp: 12328

Ion Ratio Lower Upper

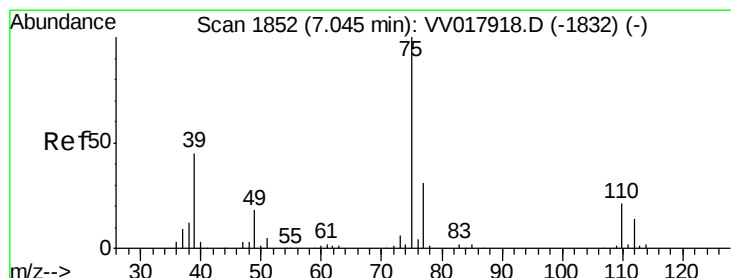
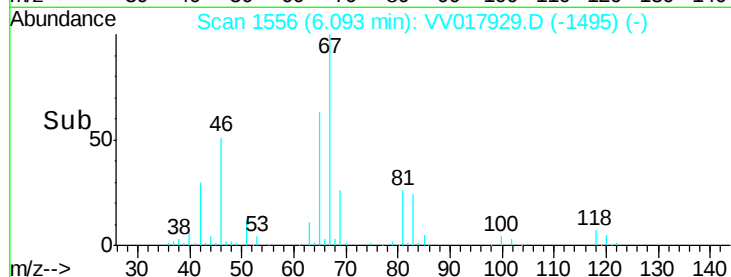
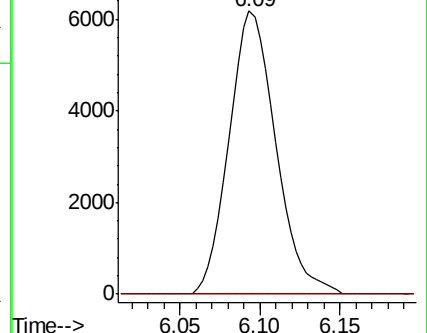
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV017918.D (-1567) (-)

Ion 112.00 (111.70 to 112.70): VV017918.D (-1567) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.975 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017929.D

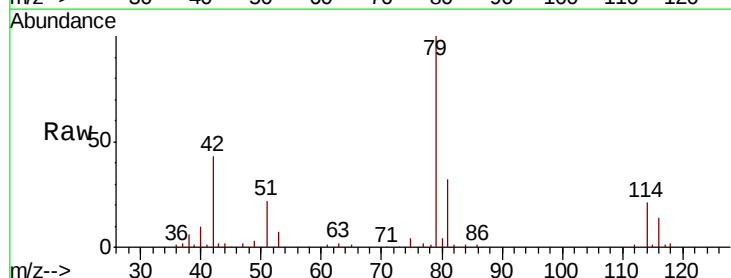
Acq: 12 Aug 2020 15:37

Tgt Ion: 75 Resp: 2883

Ion Ratio Lower Upper

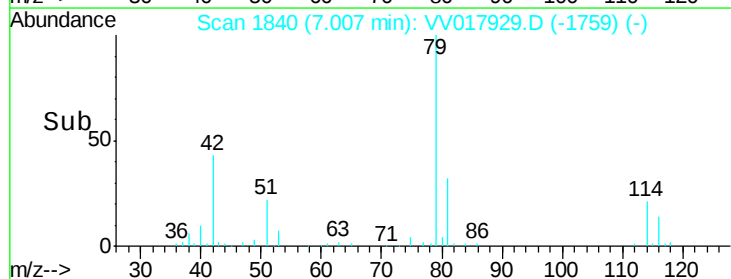
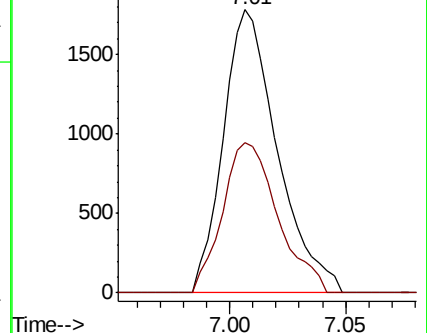
75 100

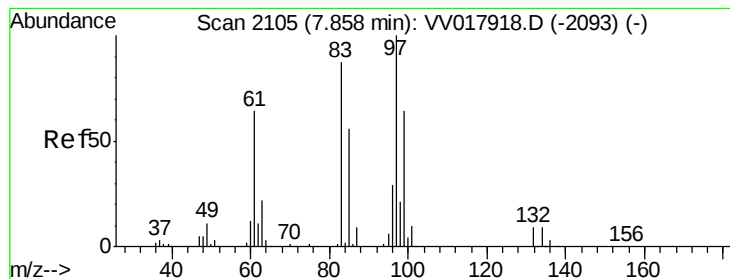
77 53.3 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VV017918.D (-1832) (-)

Ion 77.00 (76.70 to 77.70): VV017918.D (-1832) (-)





#45

1,1,2-Trichloroethane

Concen: 1.890 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.14 min

Lab File: VV017929.D

Acq: 12 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

F2L65

Tot Ion: 97 Resp: 3652

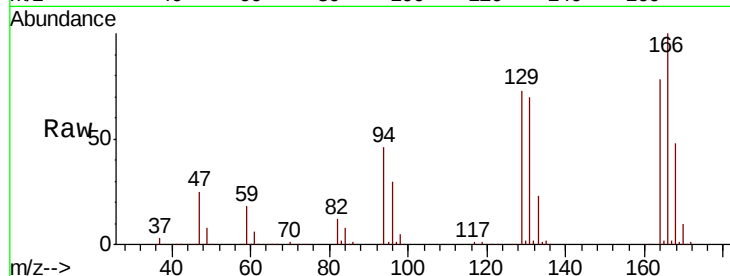
Ion Ratio Lower Upper

97 100

99 16.5 44.2 82.2#

83 271.7 61.0 113.4#

85 41.0 39.5 73.4



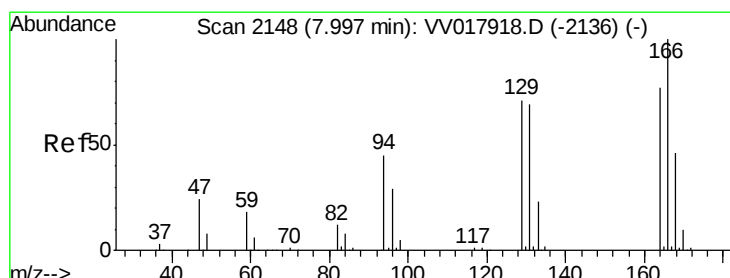
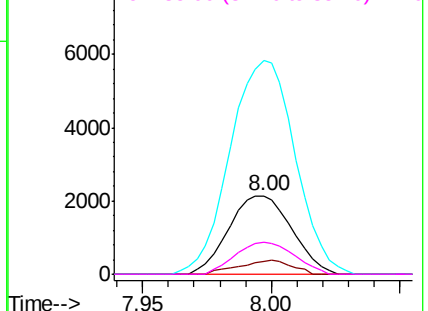
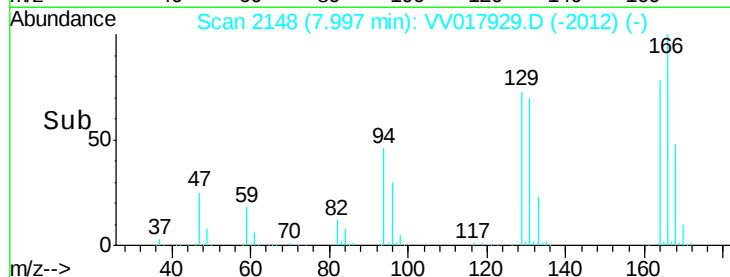
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 288.658 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017929.D

Acq: 12 Aug 2020 15:37

Tgt Ion: 164 Resp: 428129

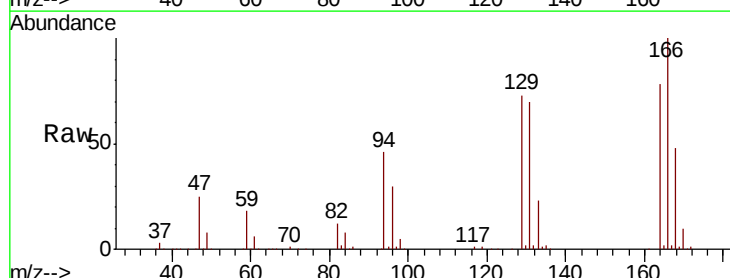
Ion Ratio Lower Upper

164 100

129 94.1 64.8 120.3

131 90.2 64.5 119.9

166 128.5 88.9 165.1



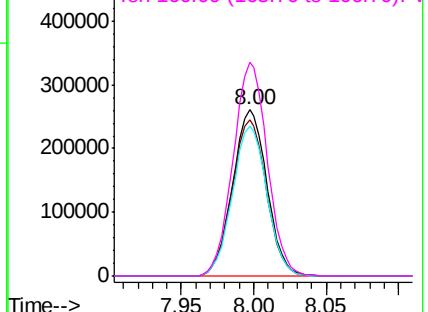
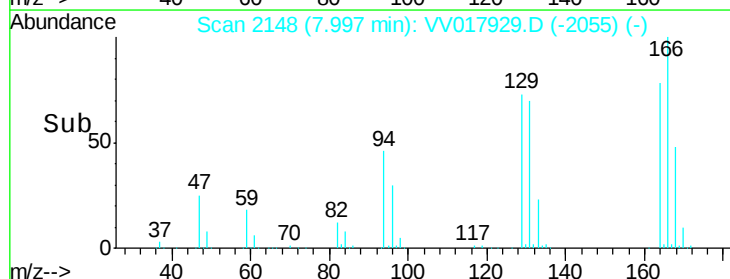
Abundance

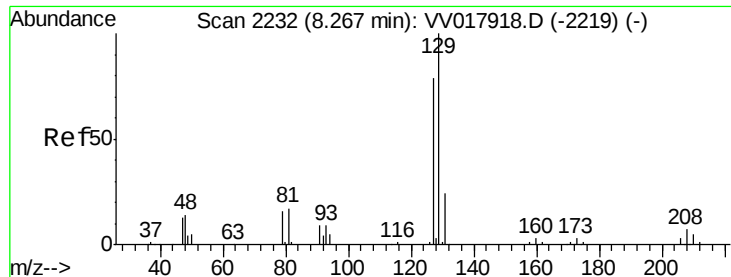
Ion 164.00 (163.70 to 164.70): V

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





#49

Dibromochloromethane

Concen: 206.929 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017929.D

Acq: 12 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampled :

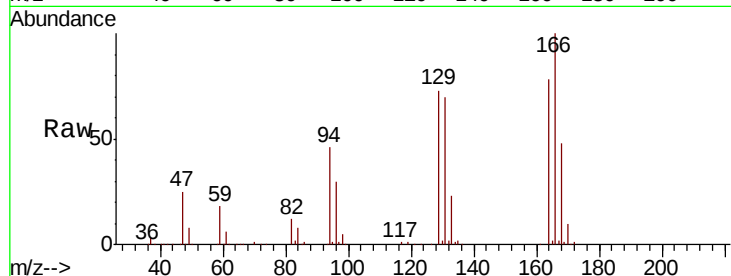
F2L65

Tot Ion:129 Resp: 390273

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

250000

200000

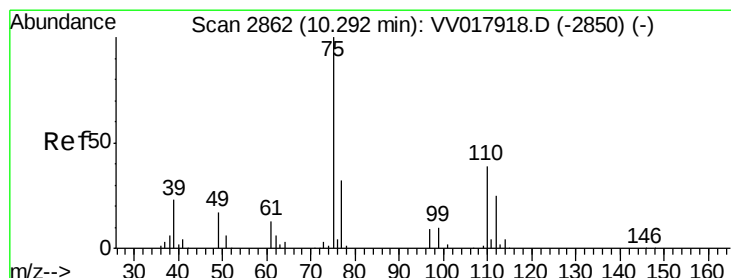
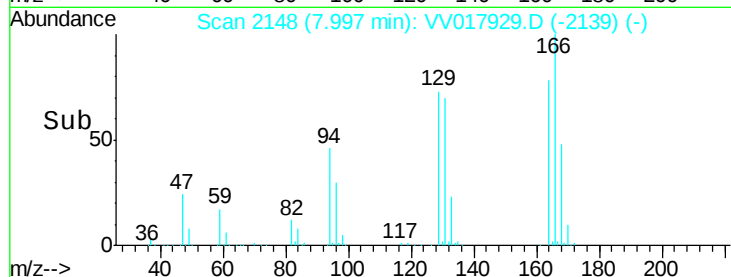
150000

100000

50000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.221 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017929.D

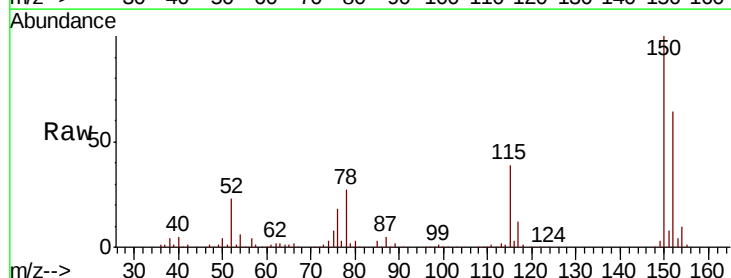
Acq: 12 Aug 2020 15:37

Tgt Ion: 75 Resp: 13454

Ion Ratio Lower Upper

75 100

77 36.9 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-->

