

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\
 Data File : VV019733.D
 Acq On : 19 Dec 2020 13:24
 Operator : SY/MD
 Sample : L5099-04 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4P9

Quant Time: Dec 21 04:20:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 03:36:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	724382	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	679617	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	316012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	251003	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.64%
7) Chloroethane-d5	1.57	69	205987	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.56%
11) 1,1-Dichloroethene-d2	2.11	63	369615	38.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.68%
21) 2-Butanone-d5	3.88	46	339496	120.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.25%
24) Chloroform-d	4.35	84	458503	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.96%
26) 1,2-Dichloroethane-d4	5.03	65	322735	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
32) Benzene-d6	5.05	84	932282	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
36) 1,2-Dichloropropane-d6	6.07	67	295113	51.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.94%
41) Toluene-d8	7.32	98	829274	50.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.62%
43) trans-1,3-Dichloropropene-	7.62	79	140016	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.70%
47) 2-Hexanone-d5	8.09	63	221374	99.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.34%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	357702	46.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.16%
64) 1,2-Dichlorobenzene-d4	11.63	152	301806	51.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.18%

Target Compounds

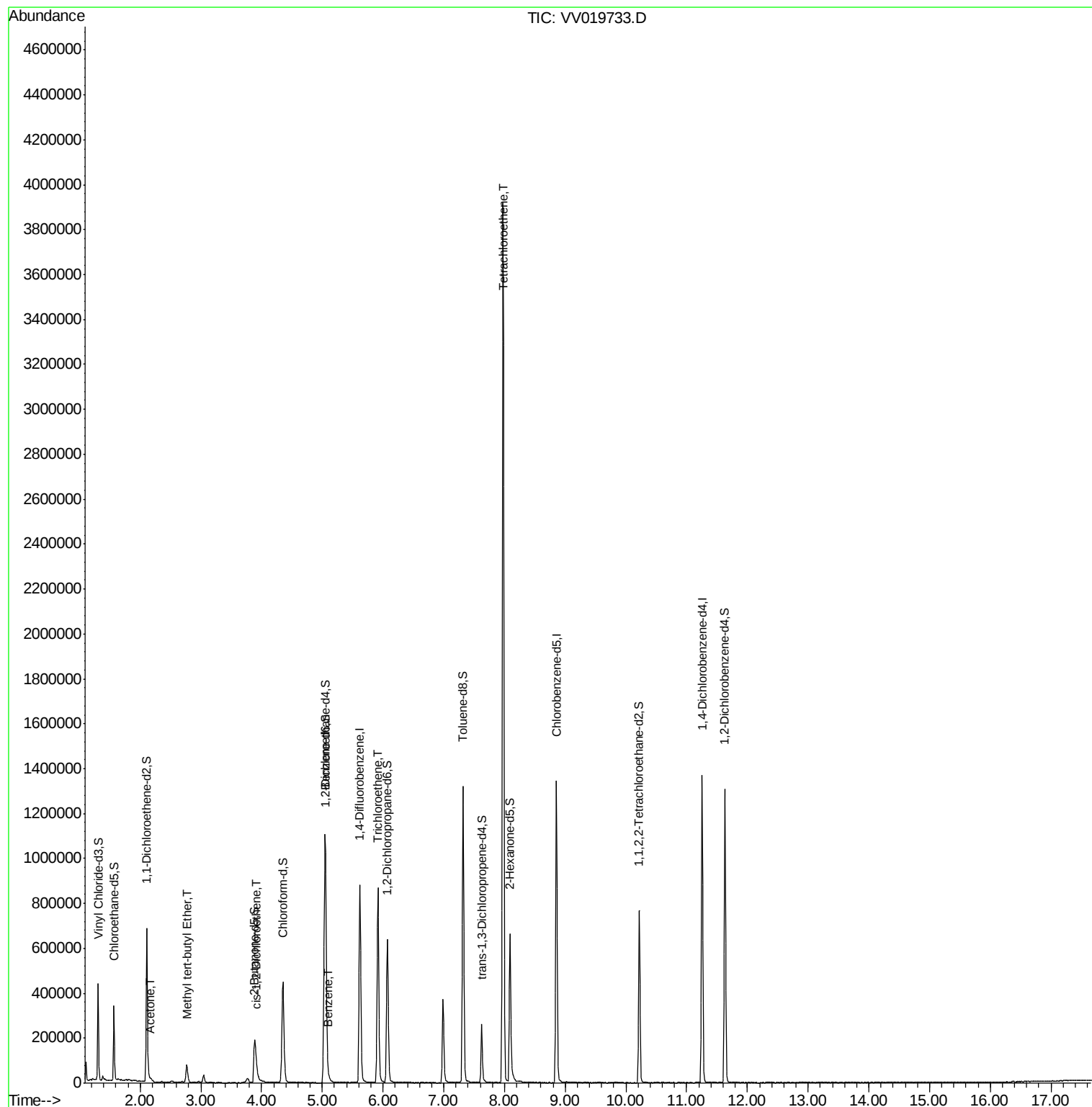
					Ovalue
13) Acetone	2.18	43	18066	7.511 ug/L	94
18) Methyl tert-butyl Ether	2.77	73	69147	4.184 ug/L #	87
20) cis-1,2-Dichloroethene	3.92	96	9011	1.733 ug/L #	94
33) Benzene	5.11	78	18358	0.924 ug/L	100
34) Trichloroethene	5.92	95	300903	57.349 ug/L	99
46) Tetrachloroethene	7.98	164	785181	216.268 ug/L	99

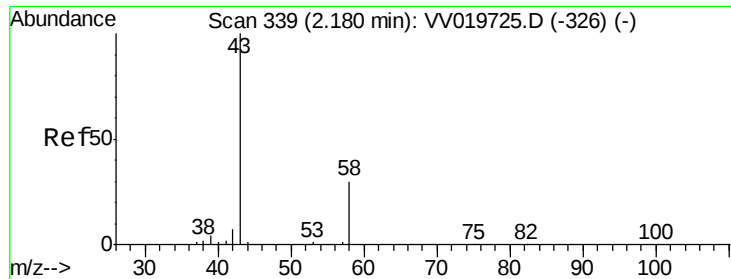
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 21 03:36:59 2020
Response via : Initial Calibration





#13

Acetone

Concen: 7.511 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

Instrument :

MSVOA_V

ClientSampleId :

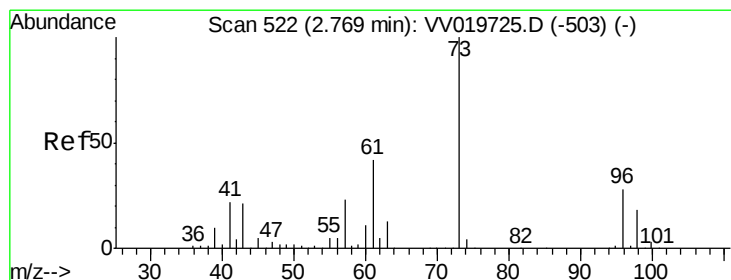
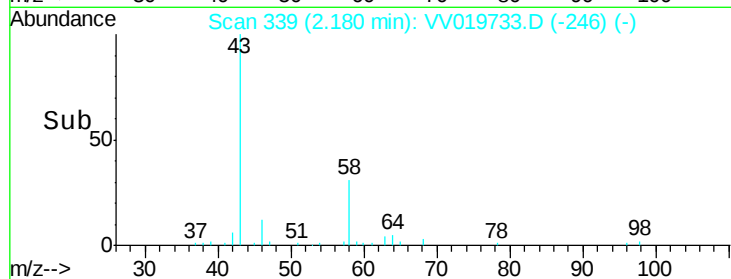
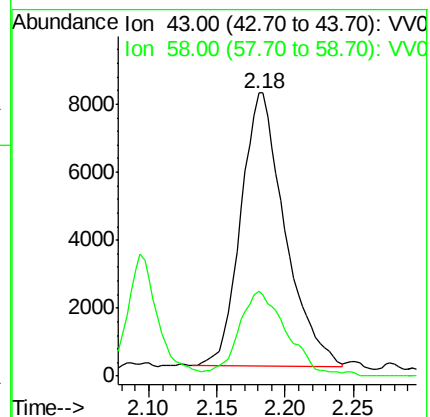
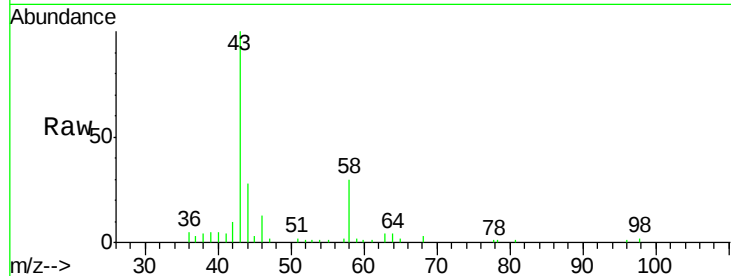
BG4P9

Tot Ion: 43 Resp: 18066

Ion Ratio Lower Upper

43 100

58 33.9 0.0 61.6



#18

Methyl tert-butyl Ether

Concen: 4.184 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

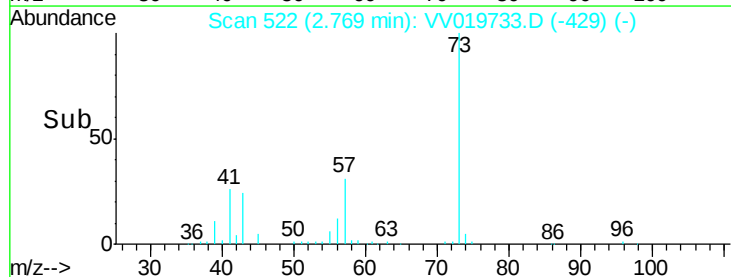
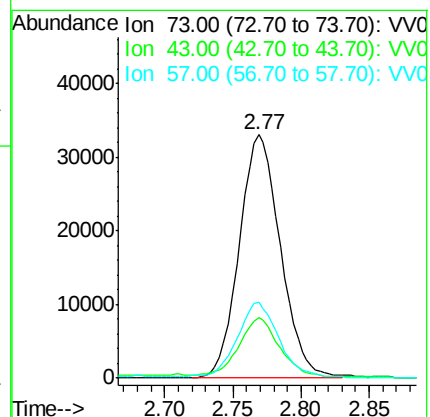
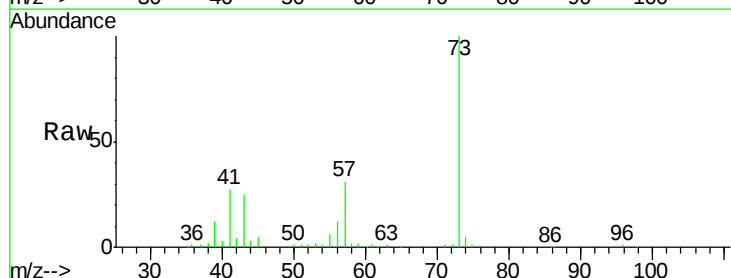
Tgt Ion: 73 Resp: 69147

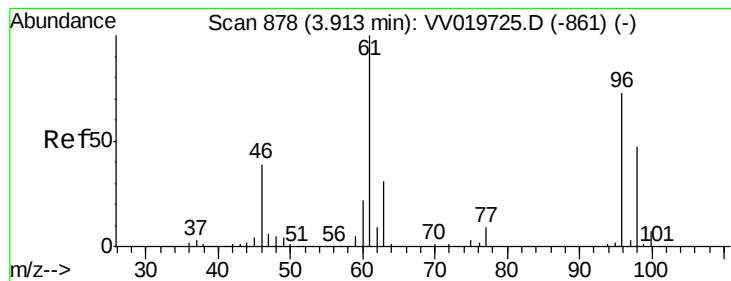
Ion Ratio Lower Upper

73 100

43 23.6 17.3 25.9

57 32.0 17.5 26.3#





#20

cis-1,2-Dichloroethene

Concen: 1.733 ug/L

RT: 3.92 min Scan# 879

Delta R.T. 0.00 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

Instrument :

MSVOA_V

ClientSampleId :

BG4P9

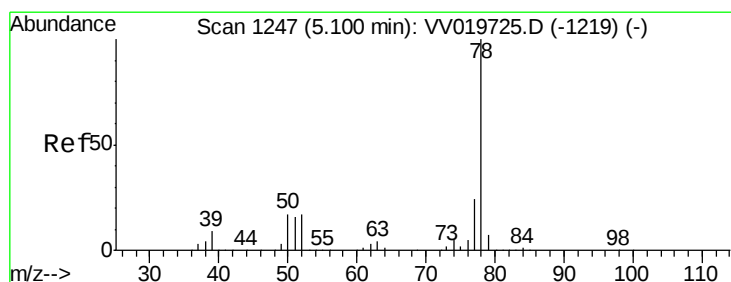
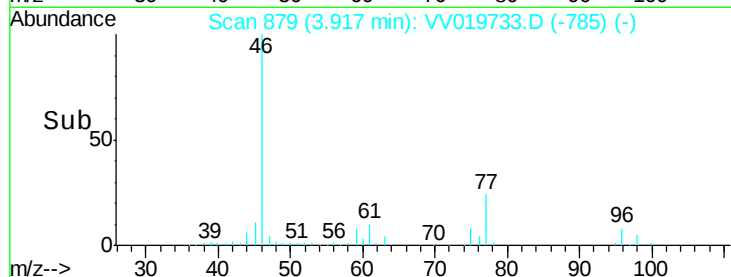
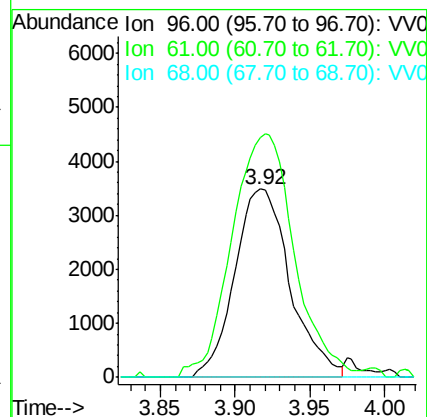
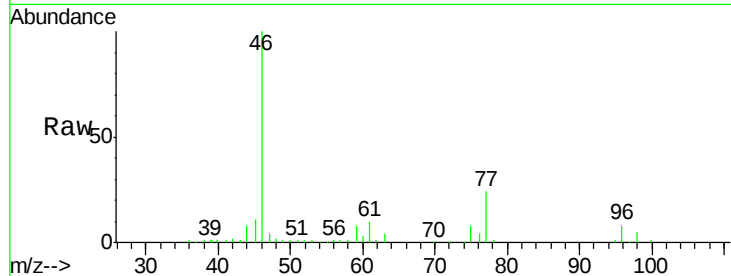
Tot Ion: 96 Resp: 9011

Ion Ratio Lower Upper

96 100

61 127.4 94.1 174.8

68 0.0 0.1 0.1#



#33

Benzene

Concen: 0.924 ug/L

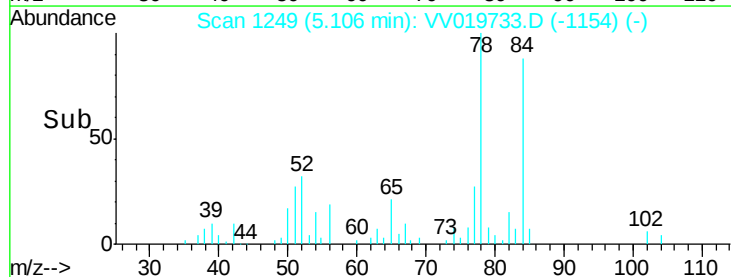
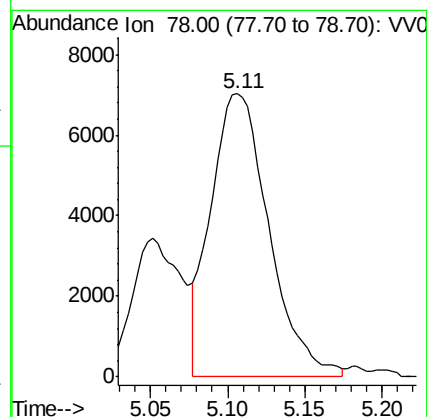
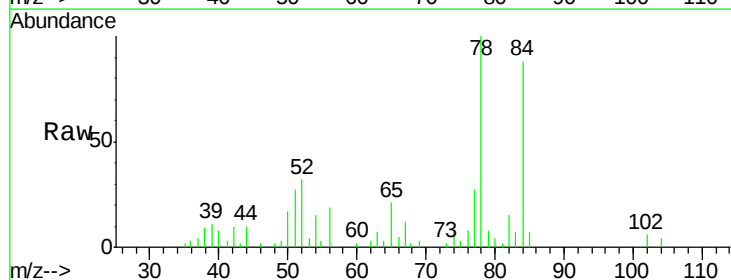
RT: 5.11 min Scan# 1249

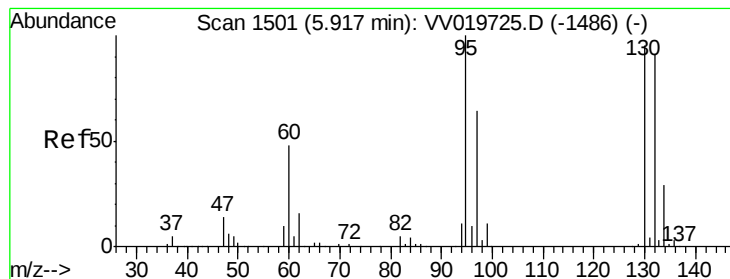
Delta R.T. 0.01 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

Tgt Ion: 78 Resp: 18358





#34

Trichloroethene

Concen: 57.349 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

Instrument :

MSVOA_V

ClientSampleId :

BG4P9

Tot Ion: 95 Resp: 300903

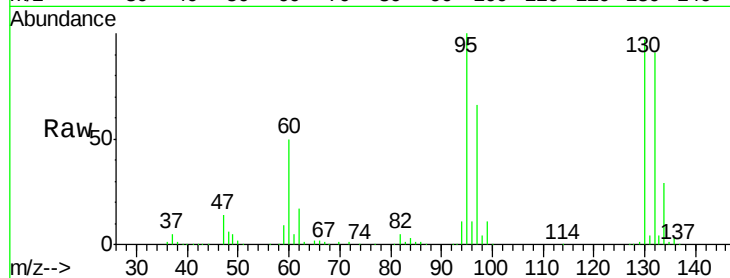
Ion Ratio Lower Upper

95 100

97 65.9 44.4 82.4

132 90.8 64.3 119.3

130 96.7 67.8 125.8

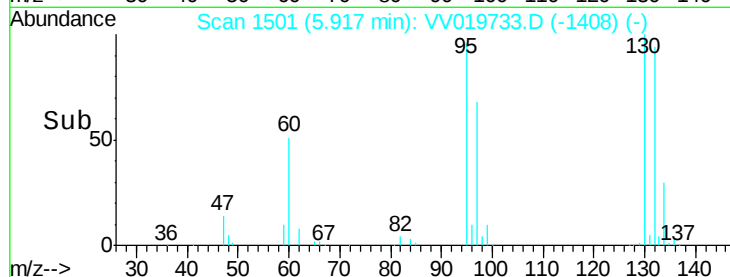


Abundance Ion 95.00 (94.70 to 95.70): VV0

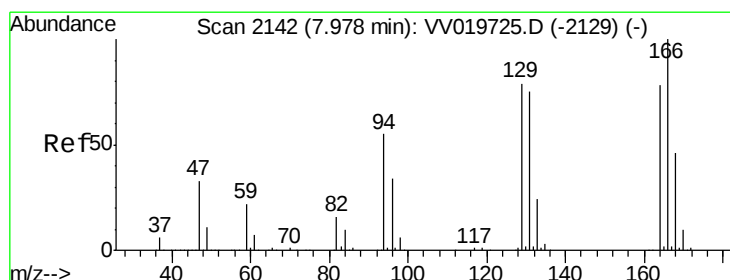
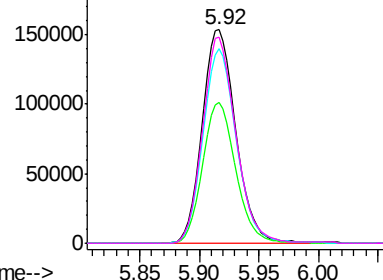
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#46

Tetrachloroethene

Concen: 216.268 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

Tgt Ion: 164 Resp: 785181

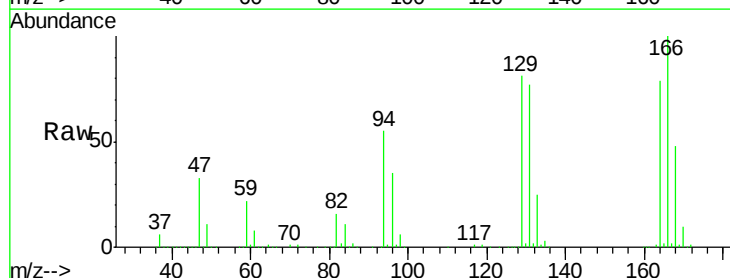
Ion Ratio Lower Upper

164 100

129 102.3 70.6 131.0

131 97.6 68.0 126.4

166 126.7 86.9 161.5

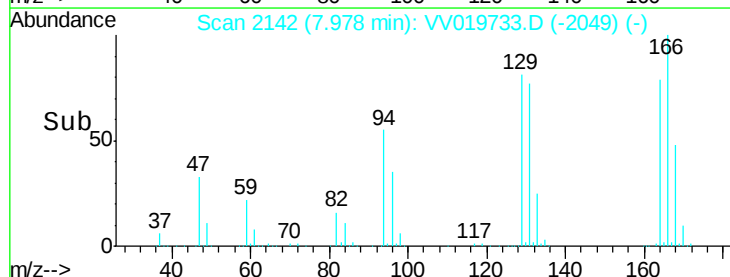


Abundance Ion 164.00 (163.70 to 164.70): V

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



Time-->

