

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010721\
 Data File : VV019934.D
 Acq On : 07 Jan 2021 20:09
 Operator : SY/MD
 Sample : M1017-05 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4W5

Quant Time: Jan 08 01:34:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 01:32:18 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	483032	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	470927	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	213732	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	107684	28.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.62%#
7) Chloroethane-d5	1.57	69	108550	36.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.08%
11) 1,1-Dichloroethene-d2	2.11	63	184812	26.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.32%#
21) 2-Butanone-d5	3.90	46	295629	106.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.71%
24) Chloroform-d	4.35	84	280681	39.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.48%
26) 1,2-Dichloroethane-d4	5.04	65	197244	42.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.46%
32) Benzene-d6	5.05	84	494988	36.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.00%
36) 1,2-Dichloropropane-d6	6.07	67	177667	39.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.68%
41) Toluene-d8	7.32	98	418192	34.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.30%#
43) trans-1,3-Dichloropropene-	7.63	79	72209	32.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.16%
47) 2-Hexanone-d5	8.09	63	158549	86.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.03%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	251380	43.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.70%
64) 1,2-Dichlorobenzene-d4	11.63	152	181740	44.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.90%

Target Compounds

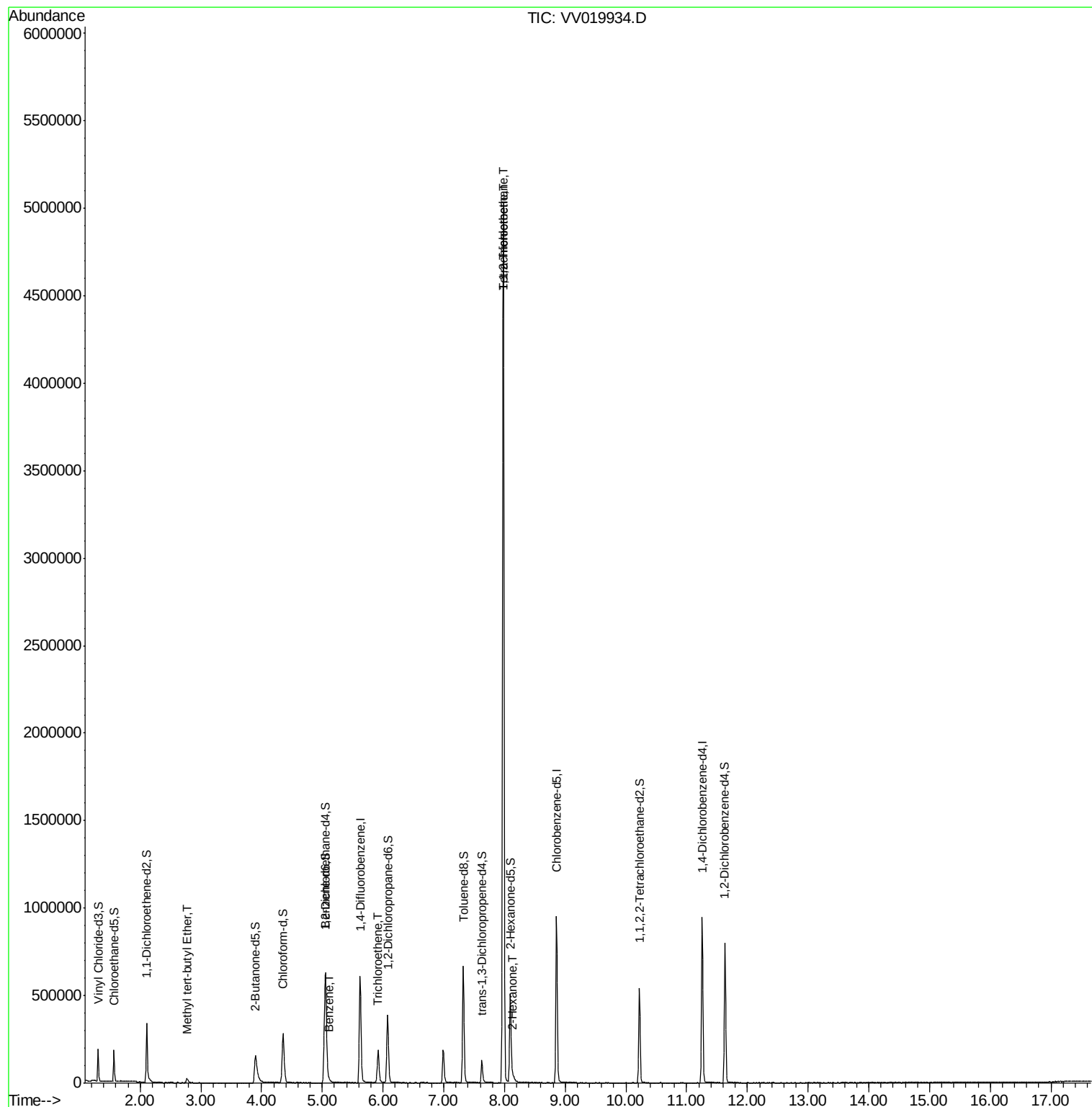
					Ovalue
18) Methyl tert-butyl Ether	2.77	73	23939	2.063	ug/L 98
33) Benzene	5.11	78	17473	1.180	ug/L 100
34) Trichloroethene	5.92	95	58364	14.853	ug/L 93
45) 1,1,2-Trichloroethane	7.98	97	10840	2.971	ug/L # 2
46) Tetrachloroethene	7.98	164	970257	369.736	ug/L 97
48) 2-Hexanone	8.15	43	12692	2.756	ug/L # 89

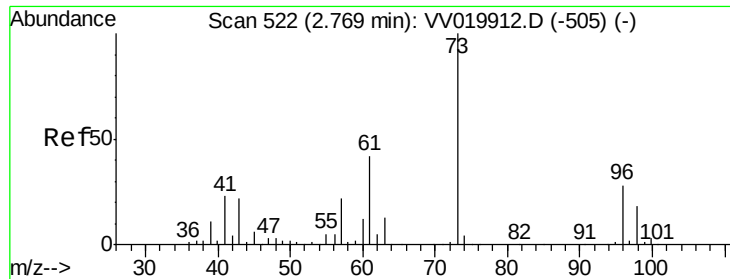
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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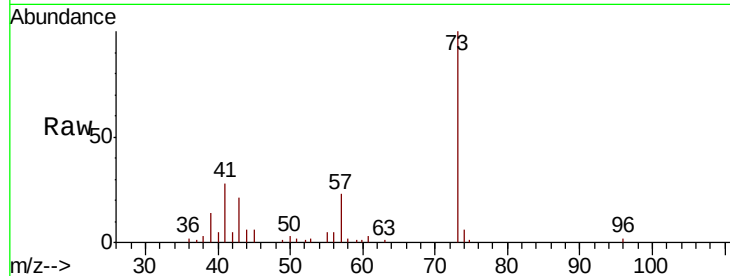




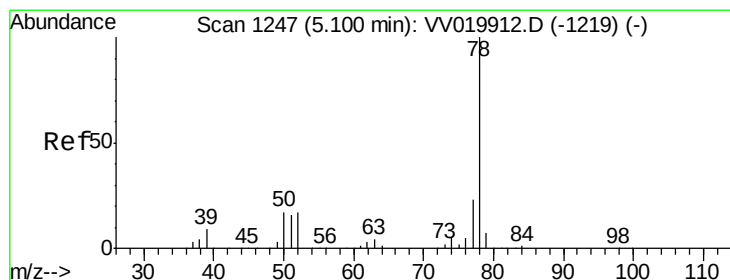
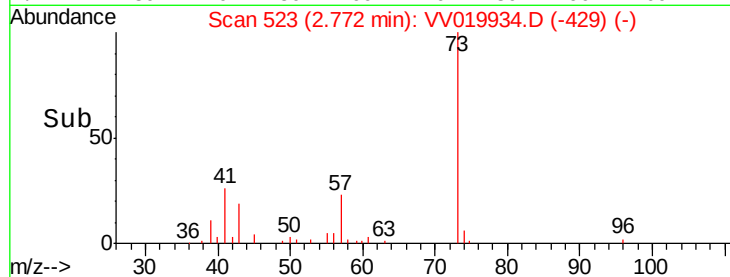
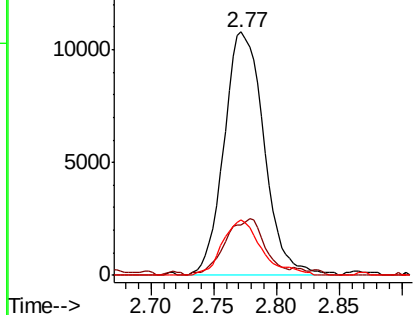
#18
Methvl tert-butvl Ether
Concen: 2.063 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV019934.D
Acq: 07 Jan 2021 20:09

Instrument :
MSVOA_V
ClientSampleId :
BG4W5

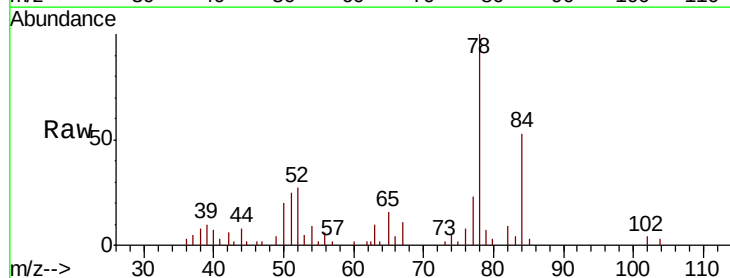
Tot Ion: 73 Resp: 23939
Ion Ratio Lower Upper
73 100
43 23.2 17.3 25.9
57 22.3 17.9 26.9



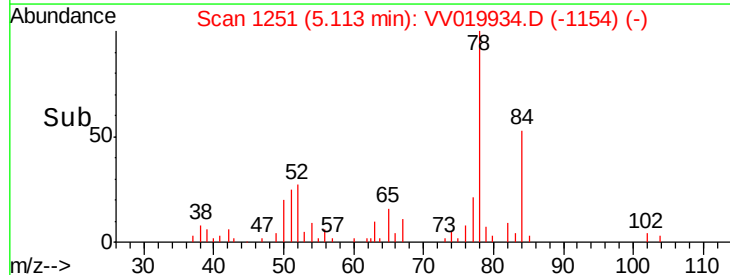
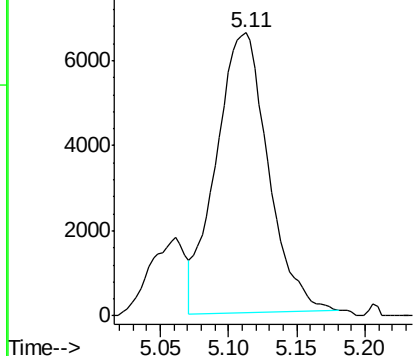
Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

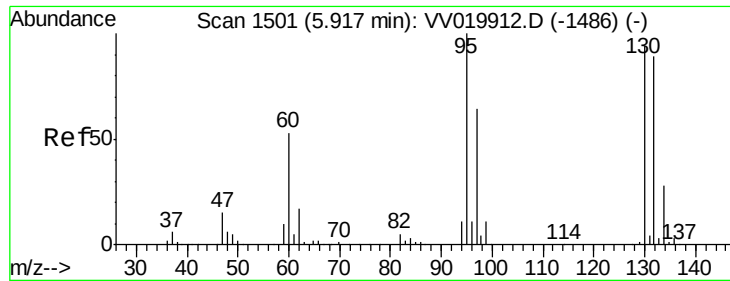


#33
Benzene
Concen: 1.180 ug/L
RT: 5.11 min Scan# 1251
Delta R.T. 0.01 min
Lab File: VV019934.D
Acq: 07 Jan 2021 20:09
Tgt Ion: 78 Resp: 17473



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 14.853 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019934.D

Acq: 07 Jan 2021 20:09

Instrument :

MSVOA_V

ClientSampled :

BG4W5

Tot Ion: 95 Resp: 58364

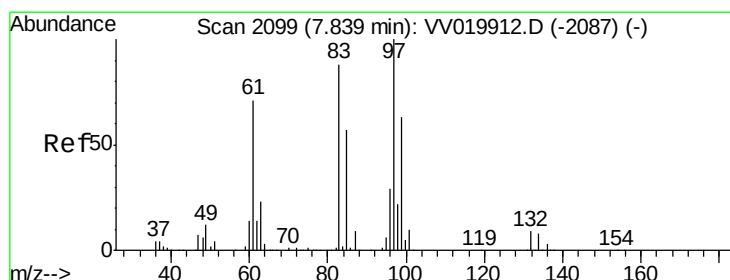
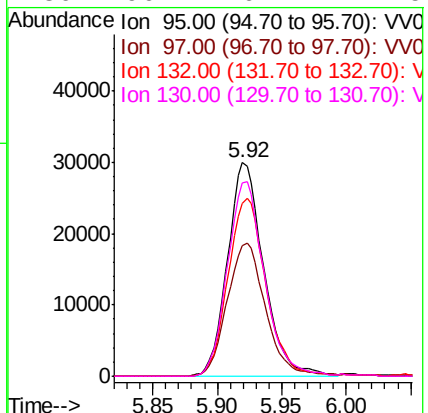
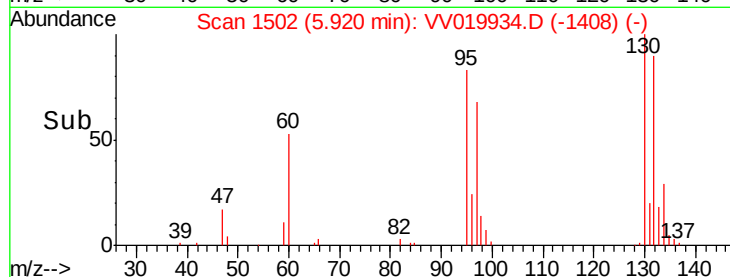
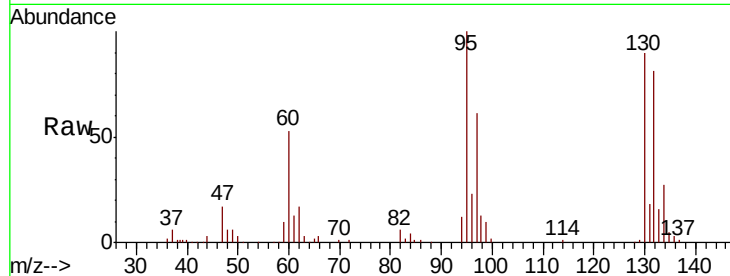
Ion Ratio Lower Upper

95 100

97 61.0 44.5 82.7

132 80.9 63.4 117.8

130 90.4 67.1 124.5



#45

1,1,2-Trichloroethane

Concen: 2.971 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.14 min

Lab File: VV019934.D

Acq: 07 Jan 2021 20:09

Tgt Ion: 97 Resp: 10840

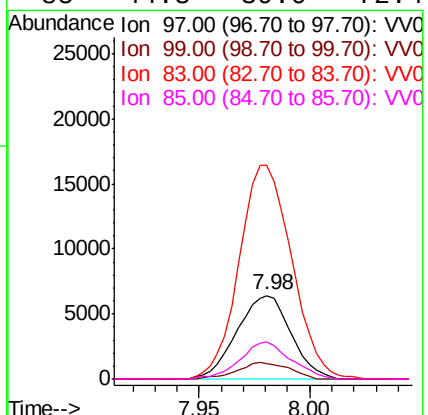
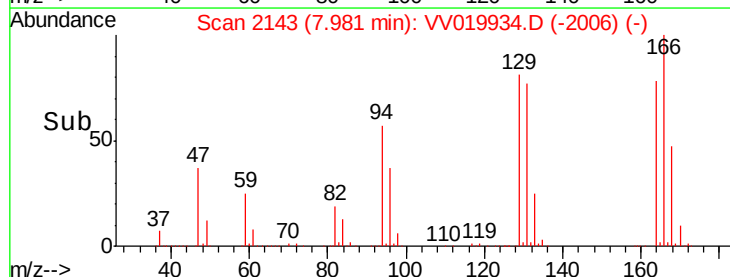
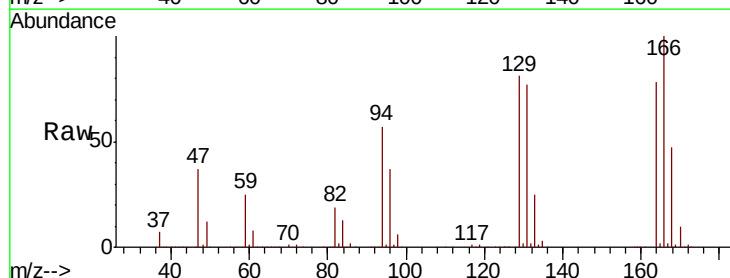
Ion Ratio Lower Upper

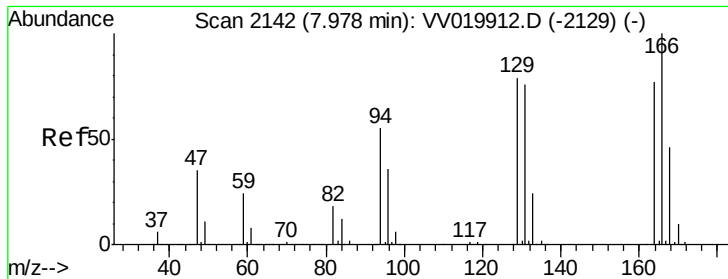
97 100

99 19.1 43.8 81.3#

83 255.6 62.2 115.4#

85 44.3 39.0 72.4





#46

Tetrachloroethene

Concen: 369.736 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019934.D

Acq: 07 Jan 2021 20:09

Instrument :

MSVOA_V

ClientSampleId :

BG4W5

Tot Ion:164 Resp: 970257

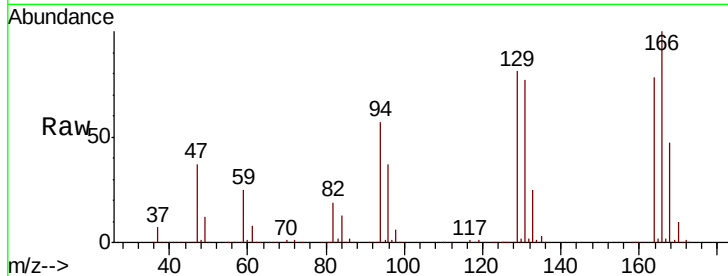
Ion Ratio Lower Upper

164 100

129 103.9 70.6 131.0

131 99.5 66.8 124.0

166 128.5 88.2 163.8



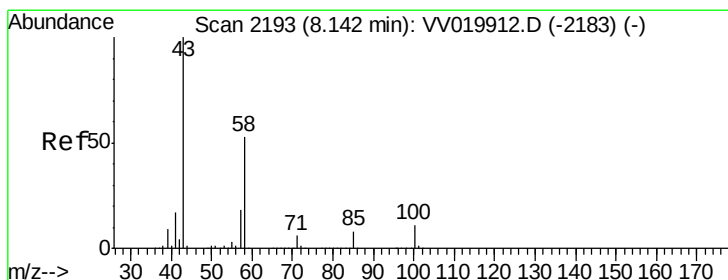
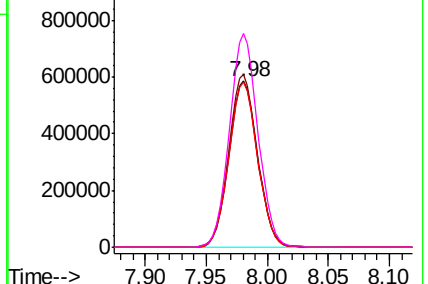
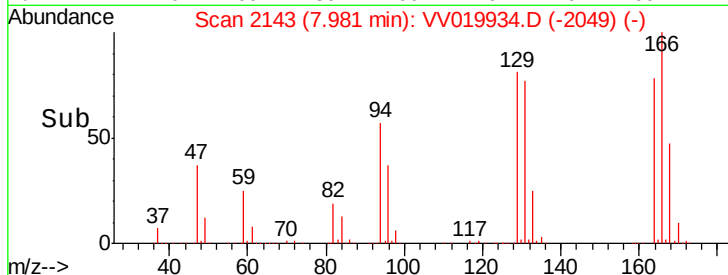
Abundance

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: 2.756 ug/L

RT: 8.15 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VV019934.D

Acq: 07 Jan 2021 20:09

Tgt Ion: 43 Resp: 12692

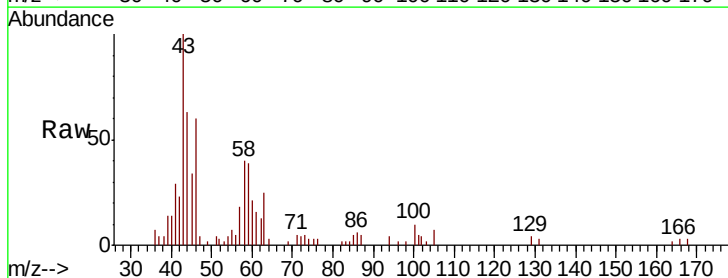
Ion Ratio Lower Upper

43 100

58 43.3 41.8 62.6

57 15.3 15.0 22.4

100 6.3 8.9 13.3#



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

