

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010721\
 Data File : VV019916.D
 Acq On : 07 Jan 2021 12:39
 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 01:33:13 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	511725	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	486447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	226429	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	126690	31.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.98%
7) Chloroethane-d5	1.57	69	122798	39.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.02%
11) 1,1-Dichloroethene-d2	2.11	63	212831	28.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.86%#
21) 2-Butanone-d5	3.90	46	299000	101.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.87%
24) Chloroform-d	4.35	84	309025	41.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.04	65	215482	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.12%
32) Benzene-d6	5.05	84	561780	40.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.20%
36) 1,2-Dichloropropane-d6	6.07	67	199153	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.48%
41) Toluene-d8	7.32	98	472083	37.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.74%#
43) trans-1,3-Dichloropropene-	7.63	79	83491	36.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.92%
47) 2-Hexanone-d5	8.09	63	170633	89.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.64%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	270621	45.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.36%
64) 1,2-Dichlorobenzene-d4	11.63	152	199618	46.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.18%

Target Compounds

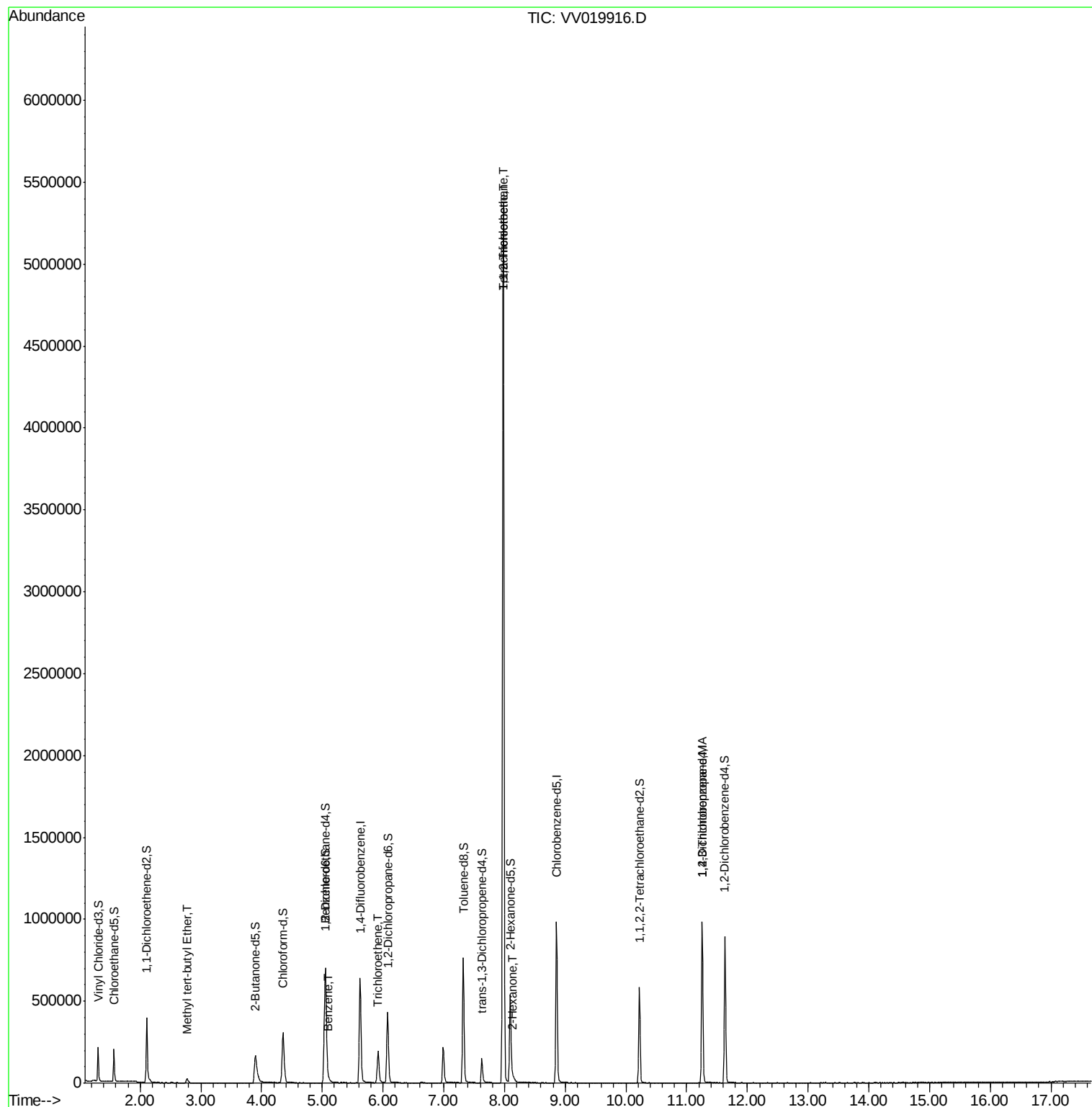
					Ovalue
18) Methyl tert-butyl Ether	2.77	73	23990	1.952 ug/L	96
33) Benzene	5.11	78	17012	1.112 ug/L	100
34) Trichloroethene	5.92	95	62285	15.345 ug/L	99
45) 1,1,2-Trichloroethane	7.98	97	11260	2.988 ug/L #	1
46) Tetrachloroethene	7.98	164	1054648	389.072 ug/L	98
48) 2-Hexanone	8.14	43	14466	3.041 ug/L #	68
59) 1,2,3-Trichloropropane	11.25	75	34479	6.601 ug/L	91

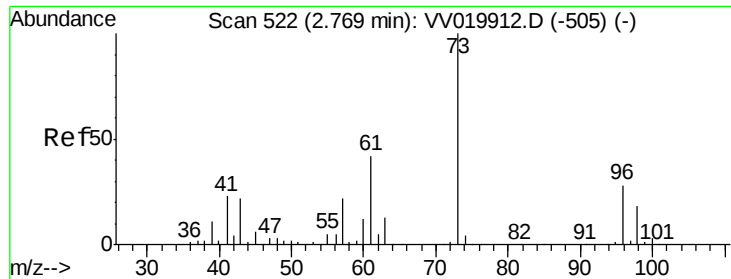
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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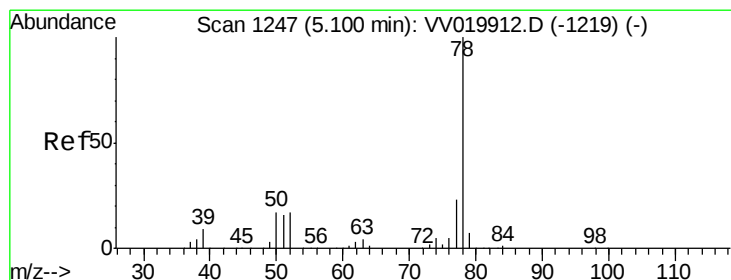
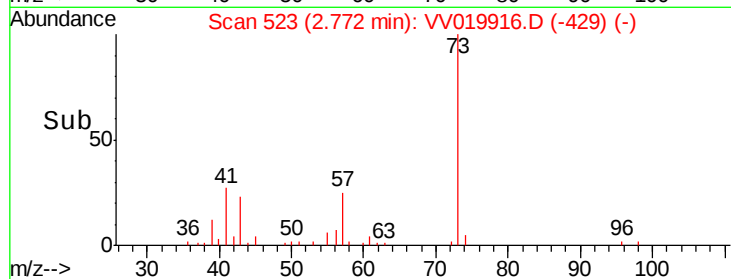
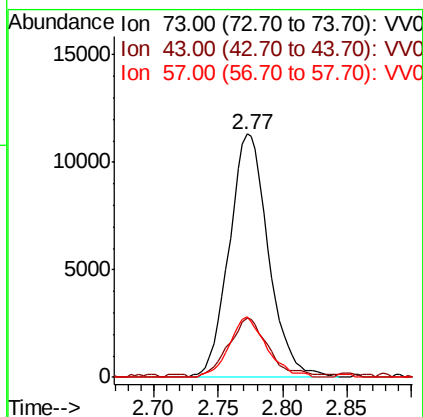
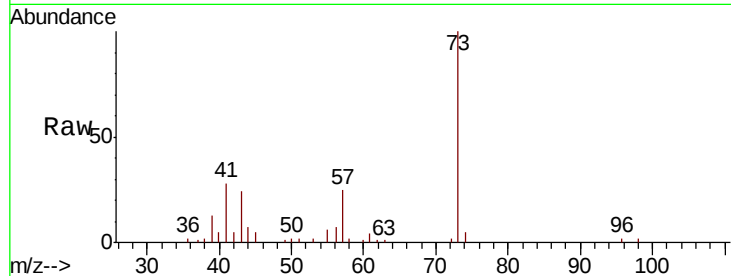




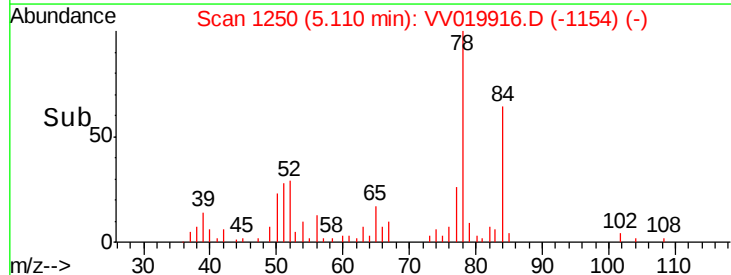
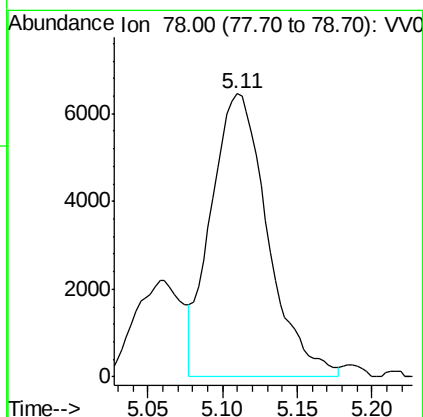
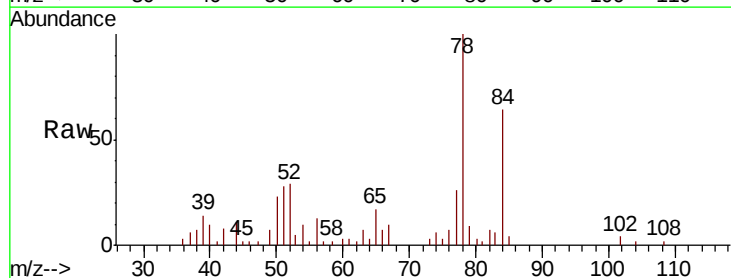
#18
Methvl tert-butvl Ether
Concen: 1.952 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV019916.D
Acq: 07 Jan 2021 12:39

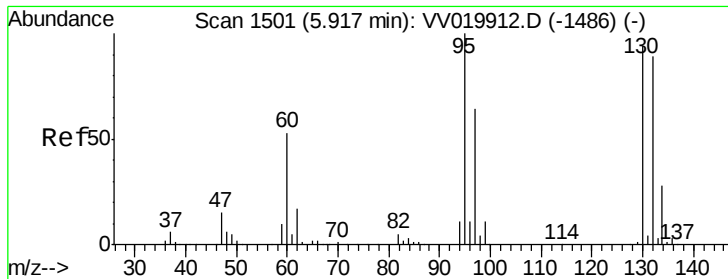
Instrument :
MSVOA_V
ClientSampleId :
BG4W5

Tot Ion: 73 Resp: 23990
Ion Ratio Lower Upper
73 100
43 24.9 17.3 25.9
57 23.2 17.9 26.9



#33
Benzene
Concen: 1.112 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.01 min
Lab File: VV019916.D
Acq: 07 Jan 2021 12:39
Tgt Ion: 78 Resp: 17012





#34

Trichloroethene

Concen: 15.345 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019916.D

Acq: 07 Jan 2021 12:39

Instrument :

MSVOA_V

ClientSampleId :

BG4W5

Tot Ion: 95 Resp: 62285

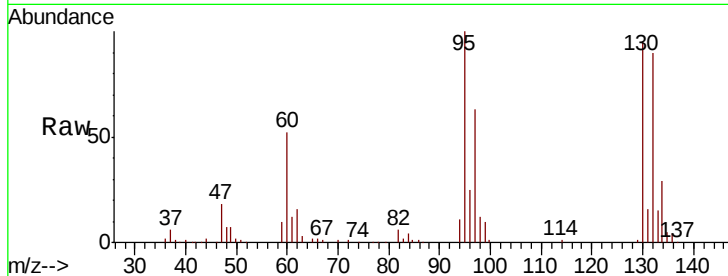
Ion Ratio Lower Upper

95 100

97 63.1 44.5 82.7

132 90.1 63.4 117.8

130 94.8 67.1 124.5



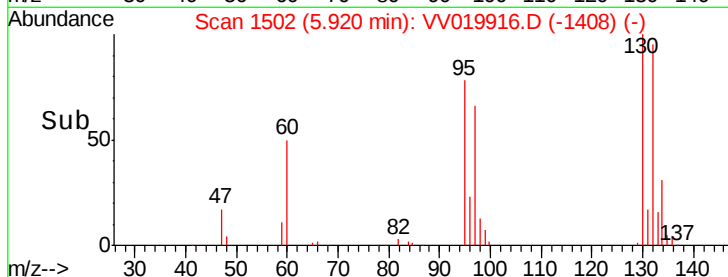
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

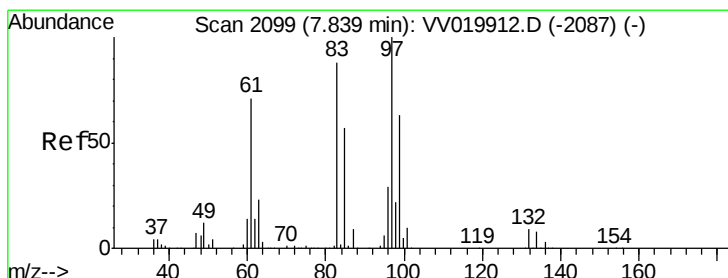
Ion 130.00 (129.70 to 130.70): VV0

Time-->



Abundance

Time-->



#45

1,1,2-Trichloroethane

Concen: 2.988 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.14 min

Lab File: VV019916.D

Acq: 07 Jan 2021 12:39

Tgt Ion: 97 Resp: 11260

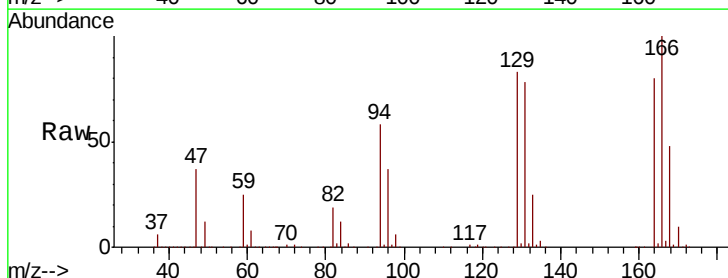
Ion Ratio Lower Upper

97 100

99 15.9 43.8 81.3#

83 259.3 62.2 115.4#

85 38.5 39.0 72.4#



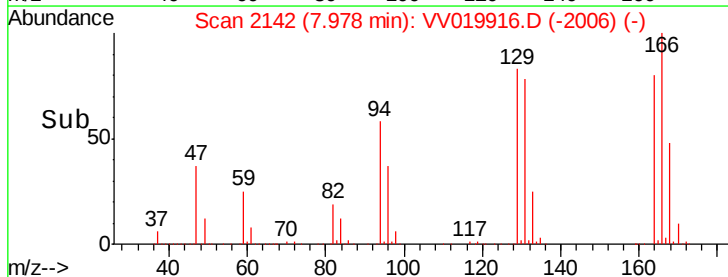
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

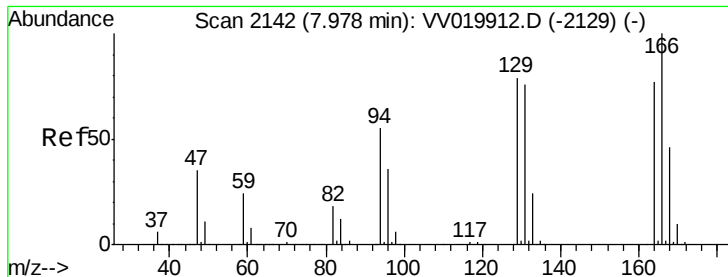
Ion 85.00 (84.70 to 85.70): VV0

Time-->



Abundance

Time-->



#46

Tetrachloroethene

Concen: 389.072 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019916.D

Acq: 07 Jan 2021 12:39

Instrument :

MSVOA_V

ClientSampleId :

BG4W5

Tot Ion:164 Resp: 1054648

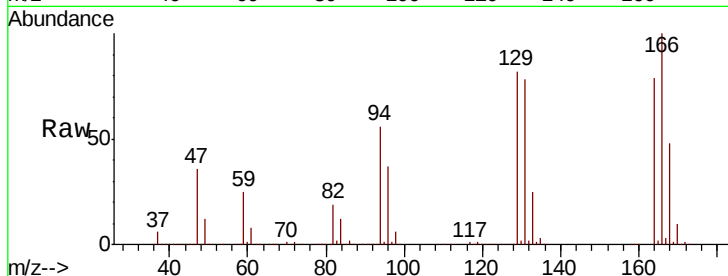
Ion Ratio Lower Upper

164 100

129 103.8 70.6 131.0

131 98.6 66.8 124.0

166 126.7 88.2 163.8

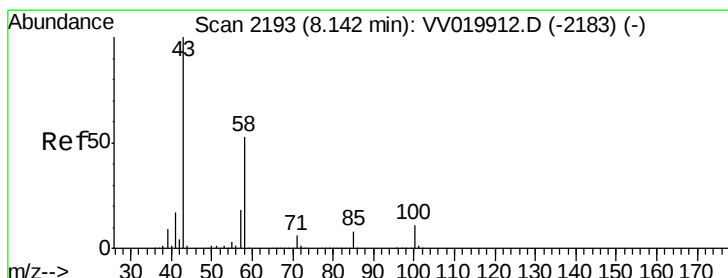
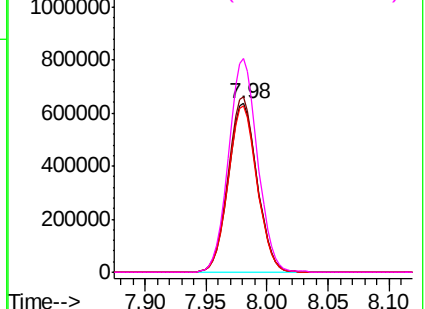
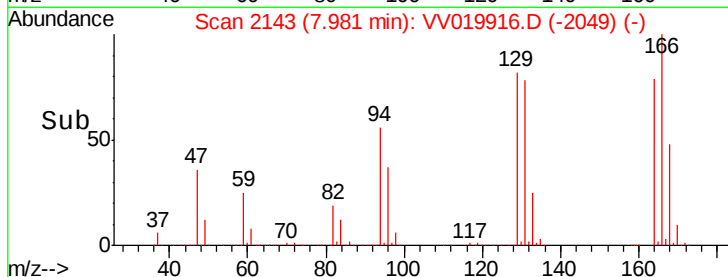


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.041 ug/L

RT: 8.14 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VV019916.D

Acq: 07 Jan 2021 12:39

Tgt Ion: 43 Resp: 14466

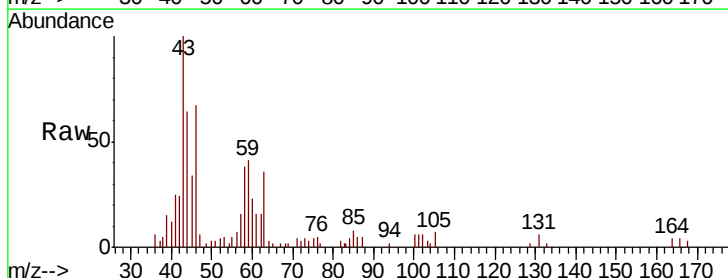
Ion Ratio Lower Upper

43 100

58 28.5 41.8 62.6#

57 0.0 15.0 22.4#

100 8.8 8.9 13.3#

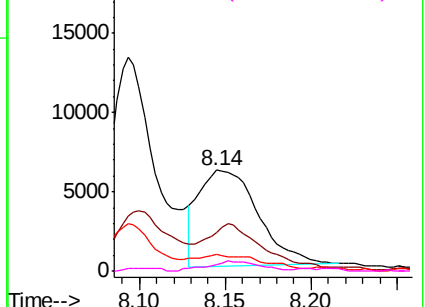
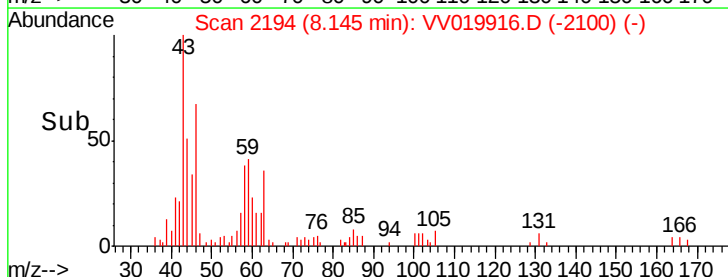


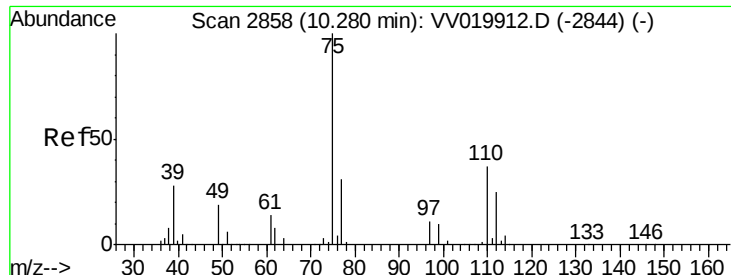
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#59

1,2,3-Trichloropropane

Concen: 6.601 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.97 min

Lab File: VV019916.D

Acq: 07 Jan 2021 12:39

Instrument :

MSVOA_V

ClientSampleId :

BG4W5

Tot Ion: 75 Resp: 34479

Ion Ratio Lower Upper

75 100

77 36.8 25.4 38.0

