

Data File : VV010913.D
Acq On : 16 May 2019 00:07
Operator : SY/MD
Sample : K2788-15
Misc : 6.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A6

Quant Time: May 16 08:14:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 08:09:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	118261	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	126324	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49468	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30988	20.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.28%
7) Chloroethane-d5	1.56	69	25154	25.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.48%
10) 1,1-Dichloroethene-d2	2.12	63	47134	16.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.12%
20) 2-Butanone-d5	3.93	46	43030	90.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	181.56%#
24) Chloroform-d	4.40	84	80779	23.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.64%
26) 1,2-Dichloroethane-d4	5.08	65	52528	27.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.24%
29) Benzene-d6	5.10	84	154121	22.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.16%
33) 1,2-Dichloropropane-d6	6.12	67	53299	23.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.56%
37) Toluene-d8	7.36	98	137180	20.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.68%
38) trans-1,3-Dichloropropene-	7.66	79	21538	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.52%
39) 2-Hexanone-d5	8.13	63	32350	76.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	153.06%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	64024	30.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	123.76%#
61) 1,2-Dichlorobenzene-d4	11.67	152	45598	22.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.28%

Target Compounds

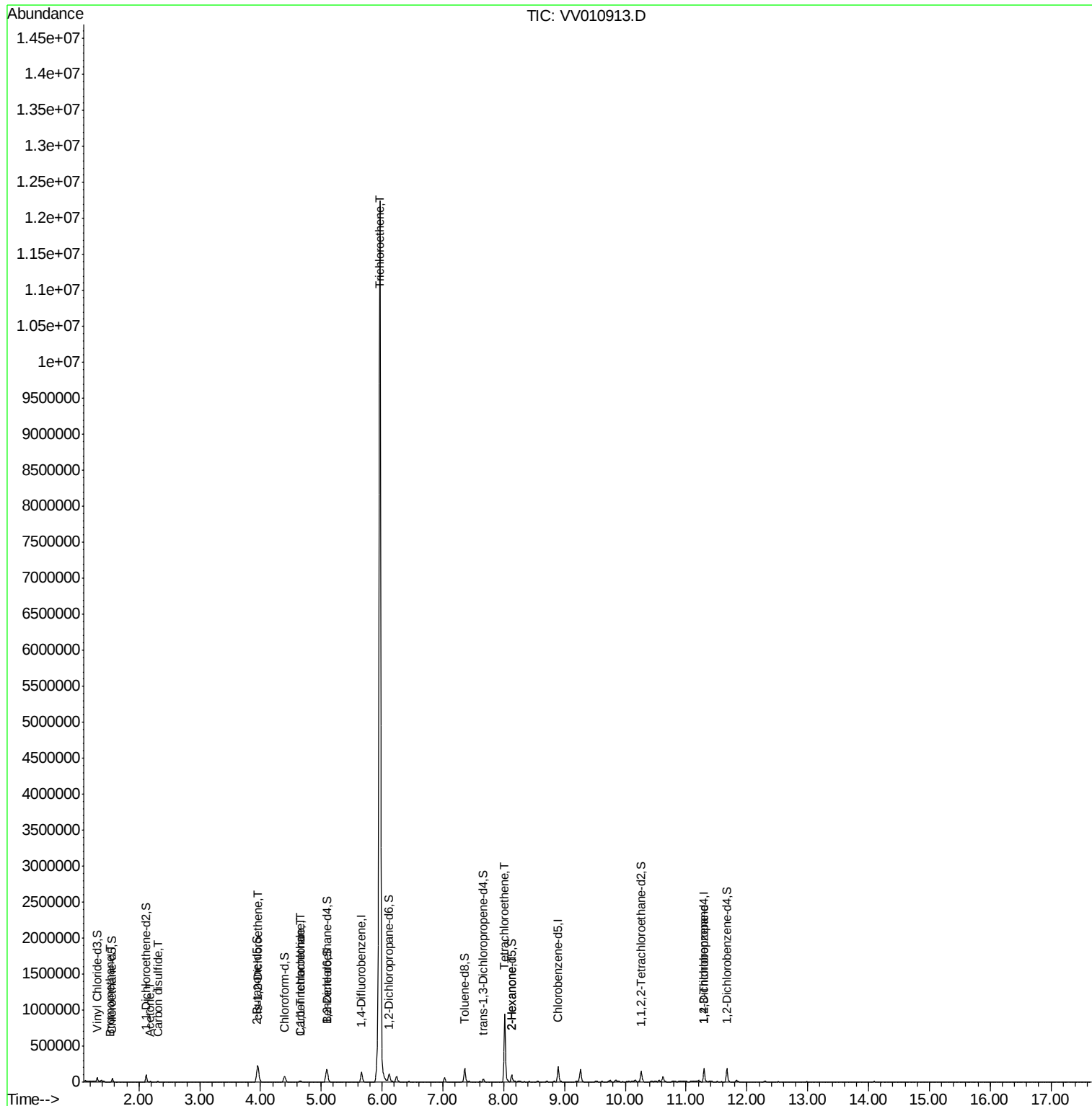
						Qvalue
6) Bromomethane	1.51	94	448	1.141	ug/L	82
13) Acetone	2.19	43	8226	17.037	ug/L	90
14) Carbon disulfide	2.31	76	11128	2.711	ug/L #	93
22) cis-1,2-Dichloroethene	3.96	96	126622	66.651	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	14926	5.440	ug/L	97
32) Carbon tetrachloride	4.65	117	2044	0.873	ug/L #	56
35) Trichloroethene	5.96	95	4368495	2289.239	ug/L	99
47) Tetrachloroethene	8.02	164	210518	149.300	ug/L	95
49) 2-Hexanone	8.13	43	4714	4.507	ug/L #	67
59) 1,2,3-Trichloropropane	11.30	75	6299	4.076	ug/L #	82

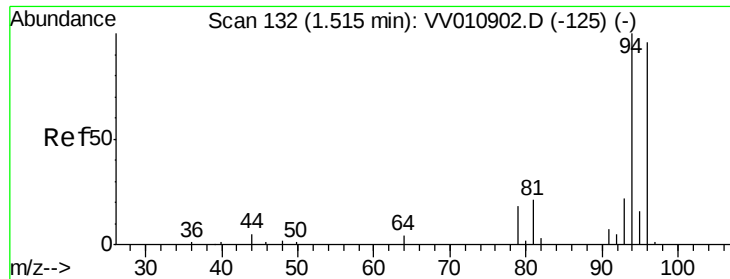
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 1.141 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV010913.D

Acq: 16 May 2019 00:07

Instrument :

MSVOA_V

ClientSampled :

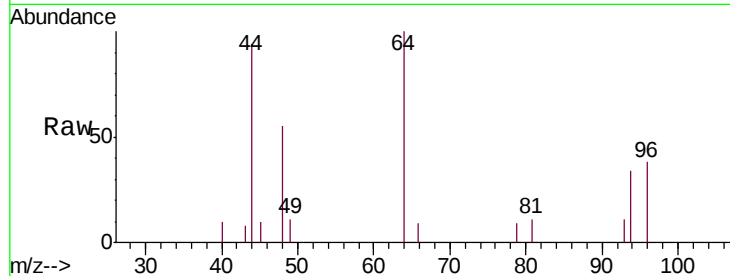
A51A6

Tgt Ion: 94 Resp: 448

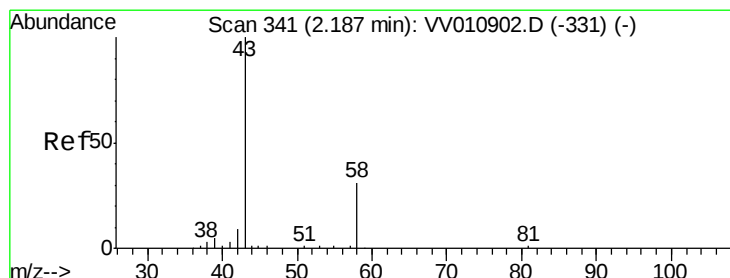
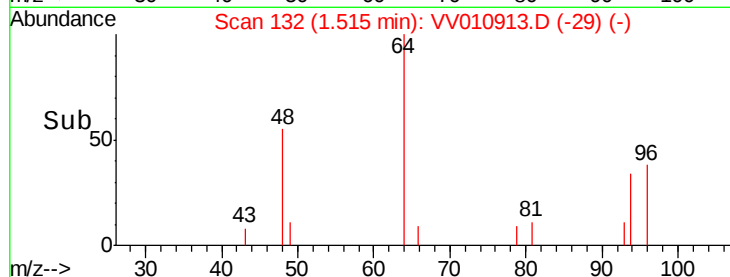
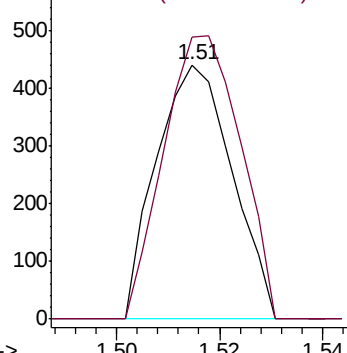
Ion Ratio Lower Upper

94 100

96 113.2 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VV010913.D (-29) (-)



#13

Acetone

Concen: 17.037 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010913.D

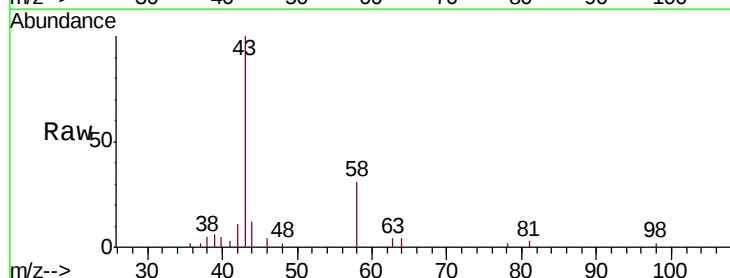
Acq: 16 May 2019 00:07

Tgt Ion: 43 Resp: 8226

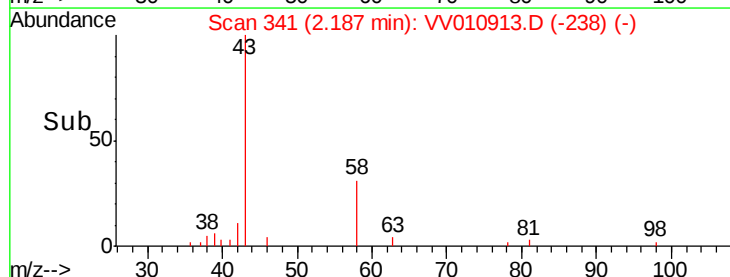
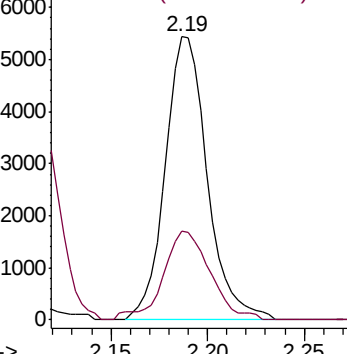
Ion Ratio Lower Upper

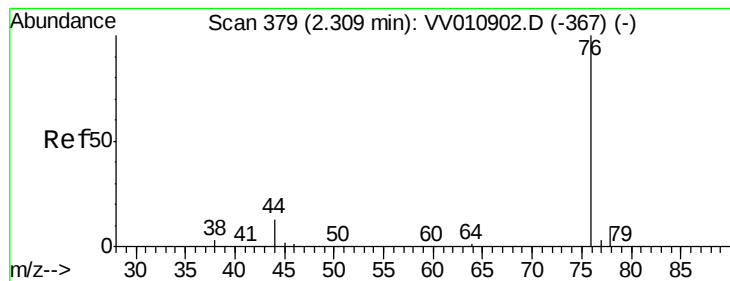
43 100

58 29.1 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VV010913.D (-238) (-)





#14

Carbon disulfide

Concen: 2.711 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV010913.D

Acq: 16 May 2019 00:07

Instrument :

MSVOA_V

ClientSampleId :

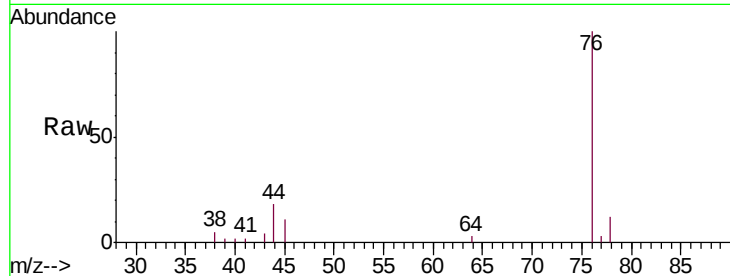
A51A6

Tgt Ion: 76 Resp: 11128

Ion Ratio Lower Upper

76 100

78 11.7 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VV010902.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV010902.D (-367) (-)

2.31

8000

6000

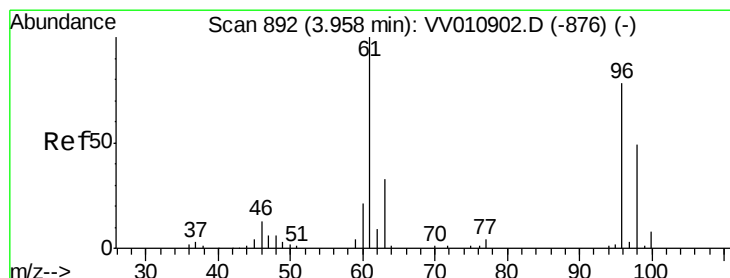
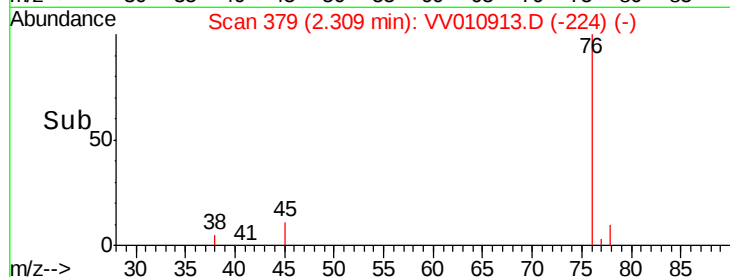
4000

2000

0

Time-->

2.25 2.30 2.35



#22

cis-1,2-Dichloroethene

Concen: 66.651 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV010913.D

Acq: 16 May 2019 00:07

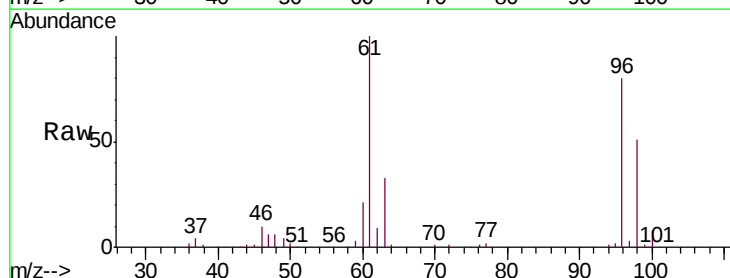
Tgt Ion: 96 Resp: 126622

Ion Ratio Lower Upper

96 100

61 125.4 90.2 167.6

98 64.4 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV010902.D (-876) (-)

Ion 61.00 (60.70 to 61.70): VV010902.D (-876) (-)

Ion 98.00 (97.70 to 98.70): VV010902.D (-876) (-)

3.96

80000

60000

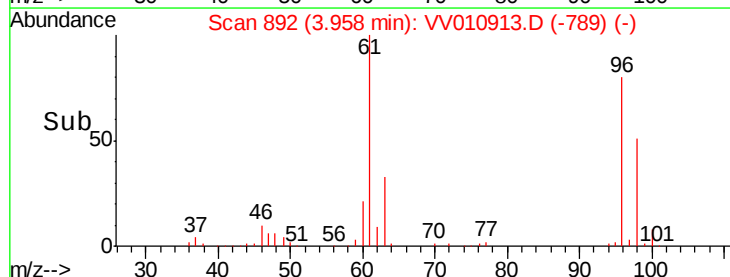
40000

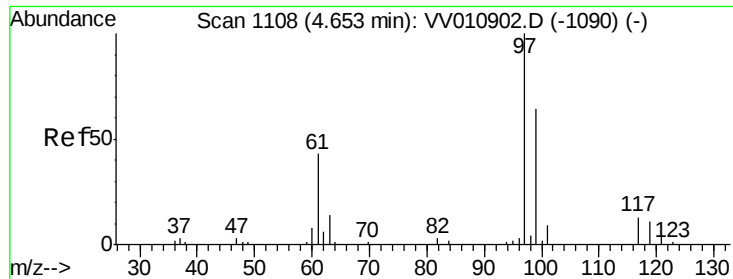
20000

0

Time-->

3.85 3.90 3.95 4.00 4.05

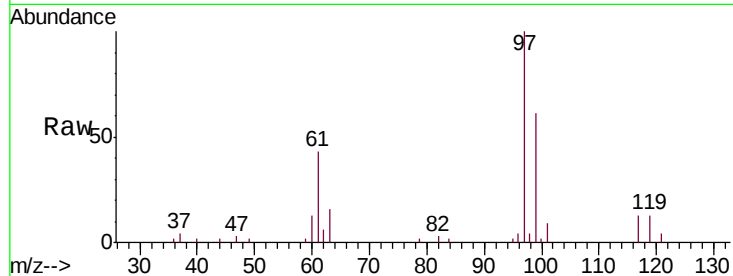




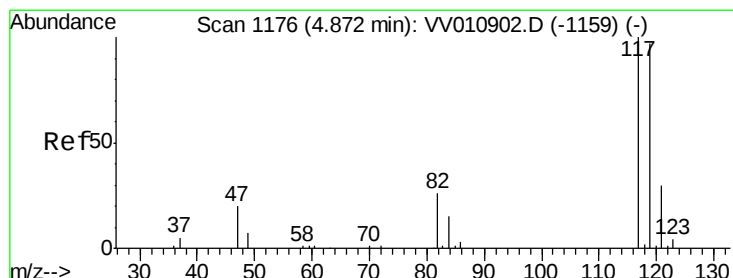
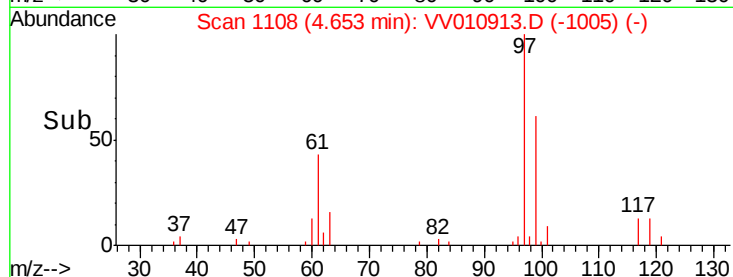
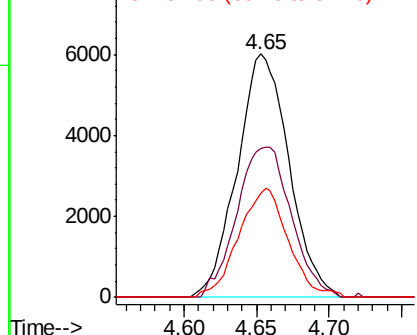
#31
 1,1,1-Trichloroethane
 Concen: 5.440 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV010913.D
 Acq: 16 May 2019 00:07

Instrument :
 MSVOA_V
 ClientSampleId :
 A51A6

Tgt Ion: 97 Resp: 14926
 Ion Ratio Lower Upper
 97 100
 99 65.1 49.4 74.2
 61 43.0 34.6 51.8

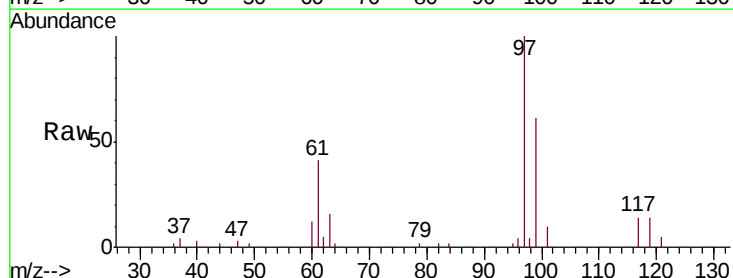


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0

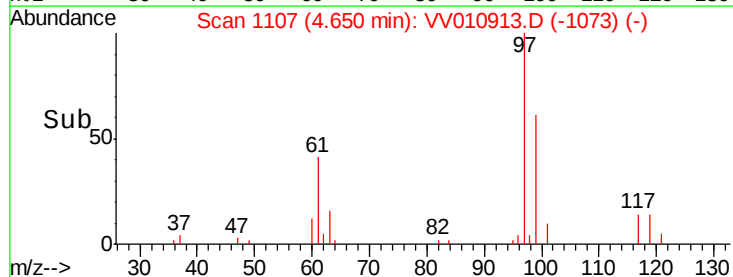
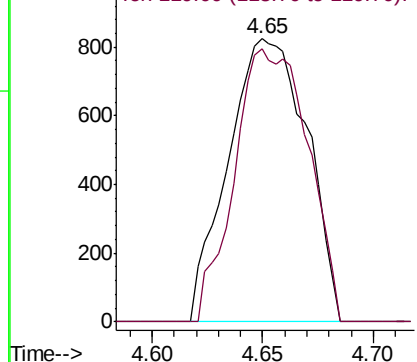


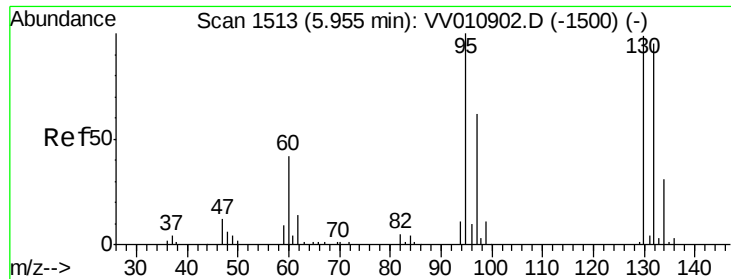
#32
 Carbon tetrachloride
 Concen: 0.873 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.22 min
 Lab File: VV010913.D
 Acq: 16 May 2019 00:07

Tgt Ion: 117 Resp: 2044
 Ion Ratio Lower Upper
 117 100
 119 52.3 76.5 114.7#



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#35

Trichloroethene

Concen: 2289.239 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010913.D

Acq: 16 May 2019 00:07

Instrument :

MSVOA_V

ClientSampleId :

A51A6

Tgt Ion: 95 Resp: 4368495

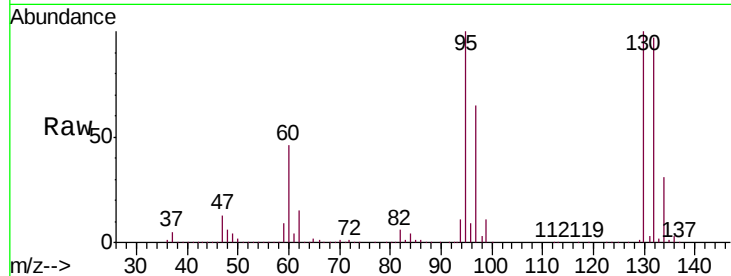
Ion Ratio Lower Upper

95 100

97 66.2 46.0 85.4

132 96.9 67.4 125.2

130 100.5 68.5 127.1



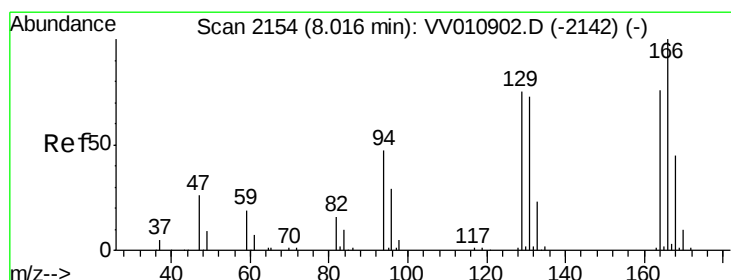
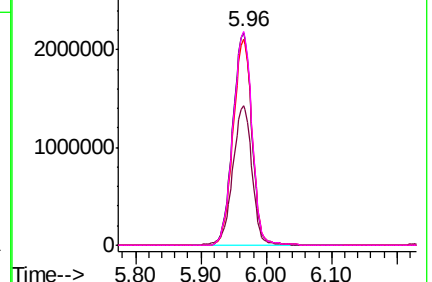
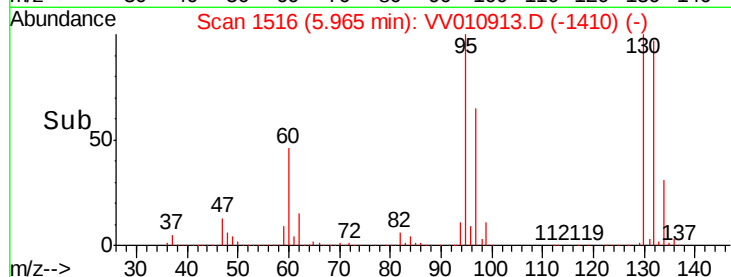
Abundance

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



#47

Tetrachloroethene

Concen: 149.300 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010913.D

Acq: 16 May 2019 00:07

Tgt Ion: 164 Resp: 210518

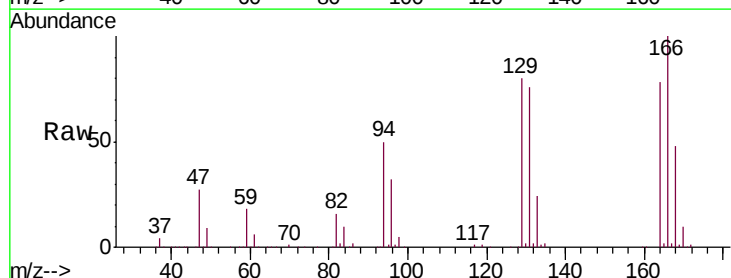
Ion Ratio Lower Upper

164 100

129 102.0 67.6 125.6

131 97.0 65.1 120.9

166 128.2 84.8 157.6



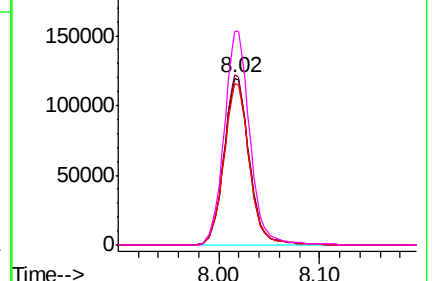
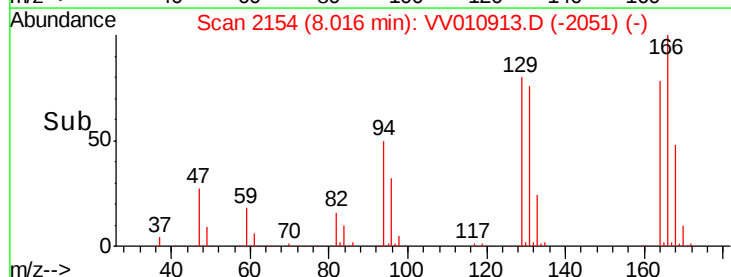
Abundance

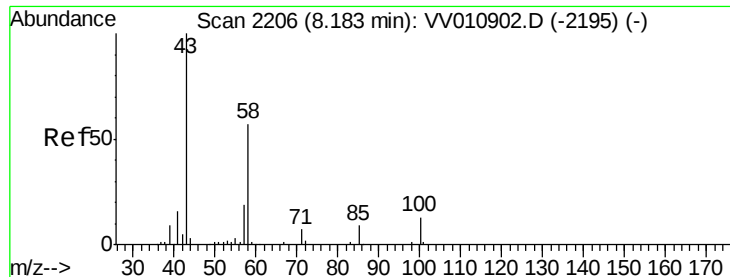
Ion 164.00 (163.70 to 164.70): V

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

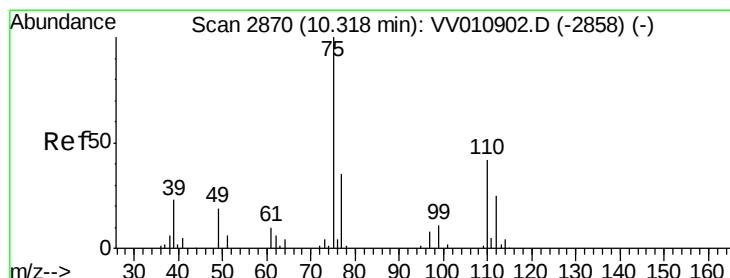
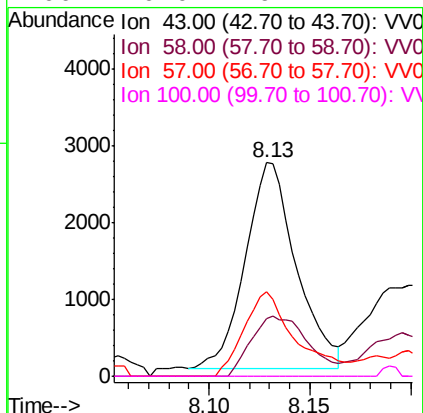
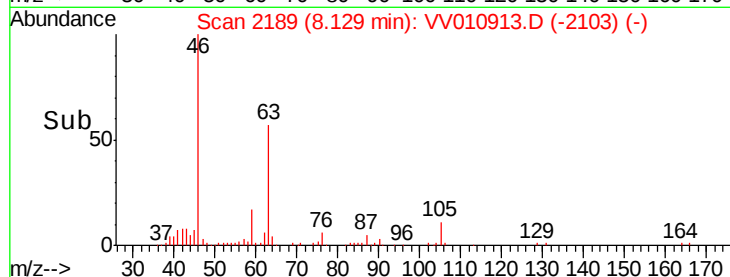
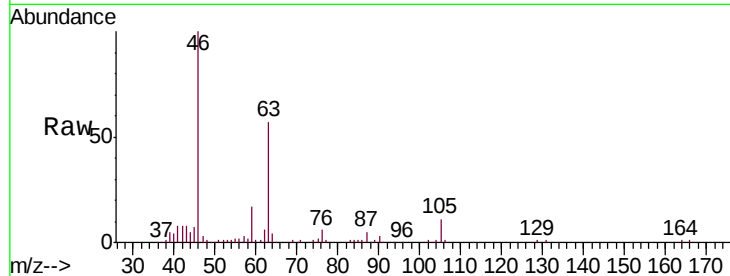




#49
2-Hexanone
Concen: 4.507 ug/L
RT: 8.13 min Scan# 2189
Delta R.T. -0.05 min
Lab File: VV010913.D
Acq: 16 May 2019 00:07

Instrument :
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A51A6

Tgt Ion: 43 Resp: 4714
Ion Ratio Lower Upper
43 100
58 32.6 41.0 61.6#
57 41.7 14.3 21.5#
100 0.0 9.4 14.2#



#59
1,2,3-Trichloropropane
Concen: 4.076 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV010913.D
Acq: 16 May 2019 00:07

Tgt Ion: 75 Resp: 6299
Ion Ratio Lower Upper
75 100
77 43.1 26.4 39.6#

