

Data File : VV011149.D
Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F3

Quant Time: May 31 15:02:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	327012	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	250557	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63946	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	91393	20.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.64%
7) Chloroethane-d5	1.57	69	79860	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
10) 1,1-Dichloroethene-d2	2.12	63	144514	15.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.64%
20) 2-Butanone-d5	3.94	46	58522	36.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.38%
24) Chloroform-d	4.40	84	190686	23.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.44%
26) 1,2-Dichloroethane-d4	5.08	65	109469	21.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.08%
29) Benzene-d6	5.09	84	397406	29.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.80%
33) 1,2-Dichloropropane-d6	6.12	67	126054	28.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.64%
37) Toluene-d8	7.36	98	334959	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.36%
38) trans-1,3-Dichloropropene-	7.66	79	40040	20.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.16%
39) 2-Hexanone-d5	8.13	63	41057	41.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	67451	17.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	48371	20.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.88%

Target Compounds

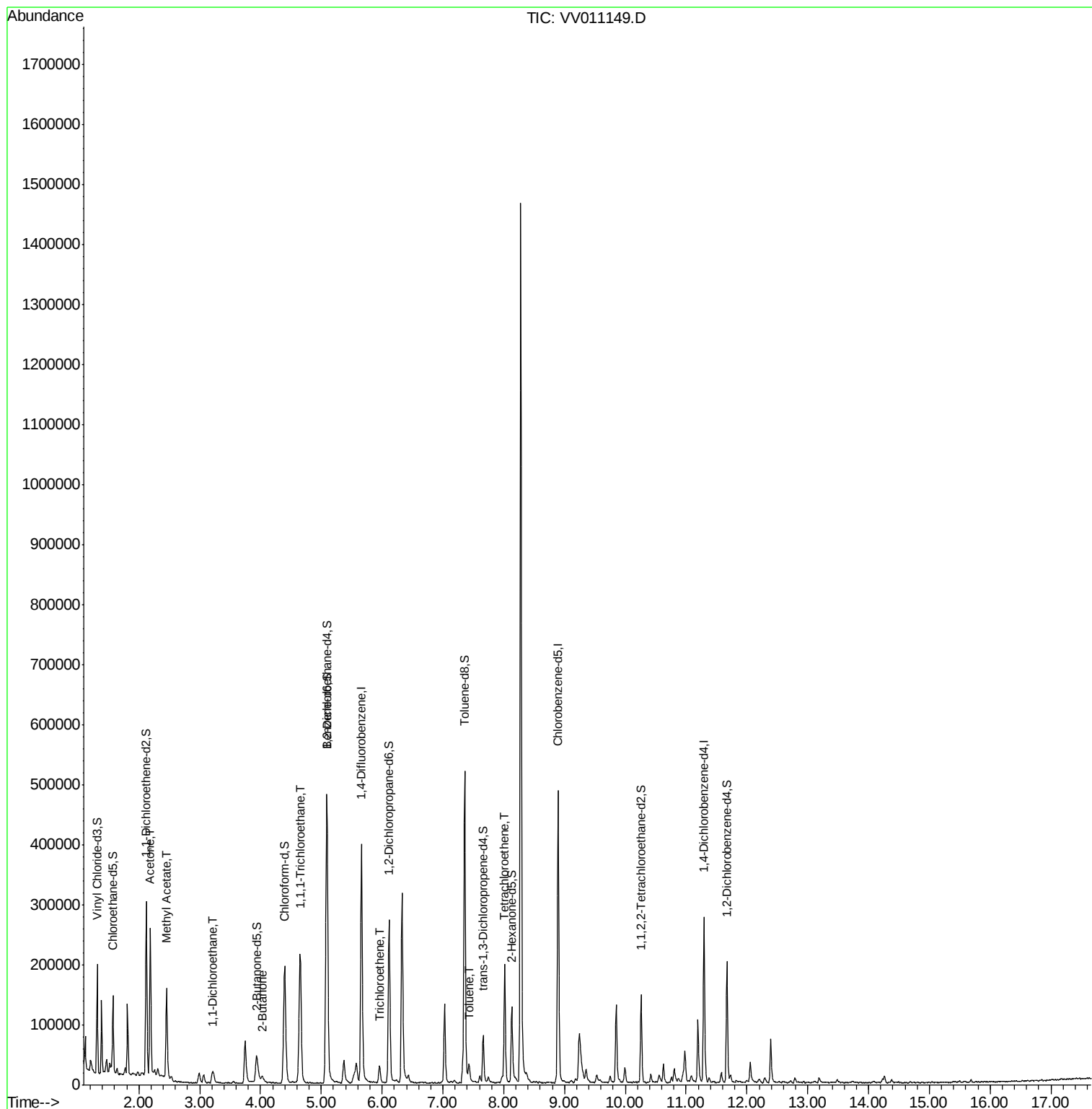
					Qvalue
13) Acetone	2.19	43	234147	124.462	ug/L 100
15) Methyl Acetate	2.46	43	154037	54.415	ug/L 98
19) 1,1-Dichloroethane	3.22	63	13123	1.515	ug/L 99
21) 2-Butanone	4.03	43	14963	6.780	ug/L 98
31) 1,1,1-Trichloroethane	4.65	97	164141	28.605	ug/L 100
35) Trichloroethene	5.96	95	9114	2.340	ug/L 96
44) Toluene	7.43	91	18072	1.115	ug/L 93
47) Tetrachloroethene	8.02	164	40036	13.872	ug/L 98

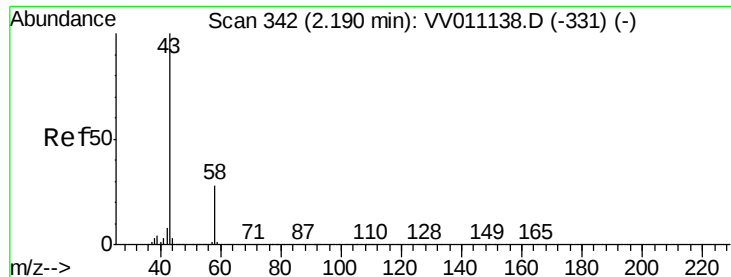
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 124.462 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV011149.D

Acq: 30 May 2019 21:28

Instrument :

MSVOA_V

ClientSampleId :

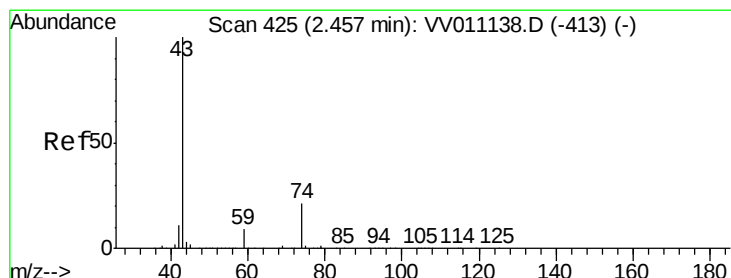
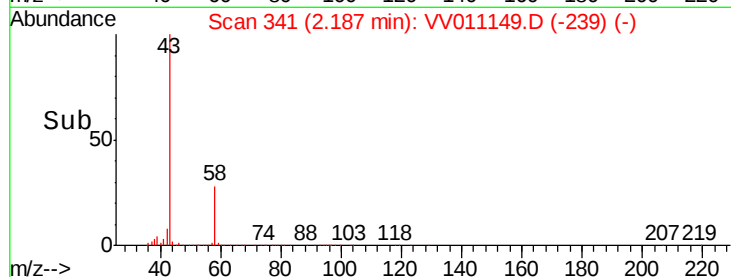
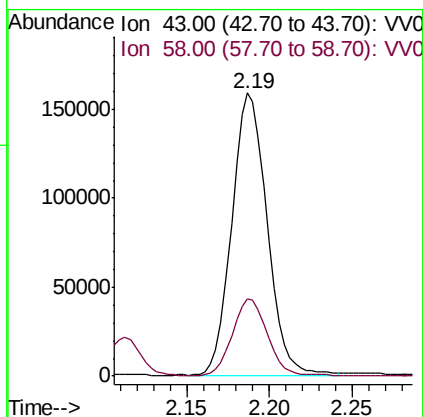
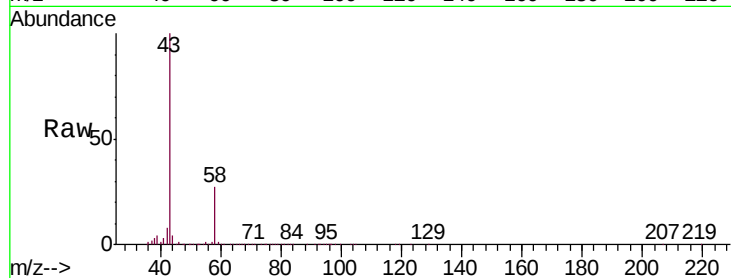
A51F3

Tgt Ion: 43 Resp: 234147

Ion Ratio Lower Upper

43 100

58 26.9 0.0 53.8



#15

Methyl Acetate

Concen: 54.415 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV011149.D

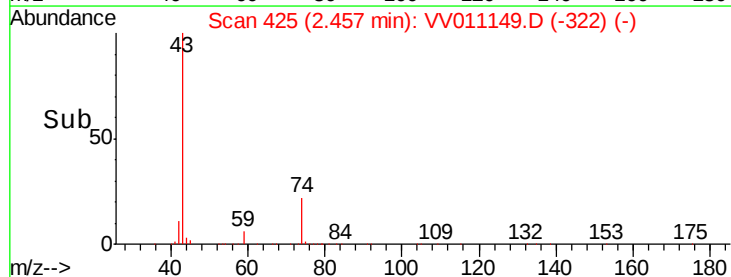
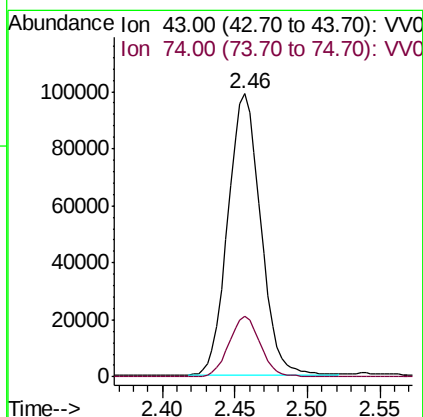
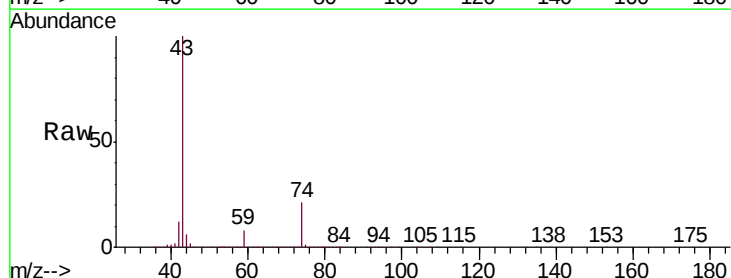
Acq: 30 May 2019 21:28

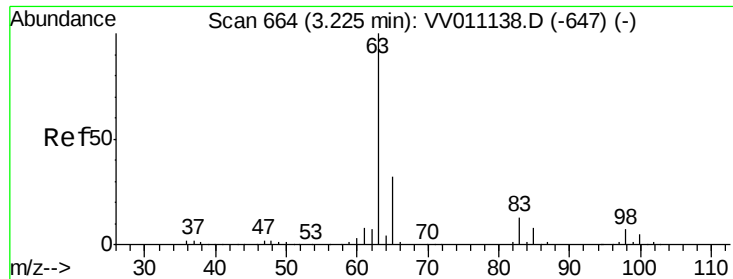
Tgt Ion: 43 Resp: 154037

Ion Ratio Lower Upper

43 100

74 21.2 16.2 24.4

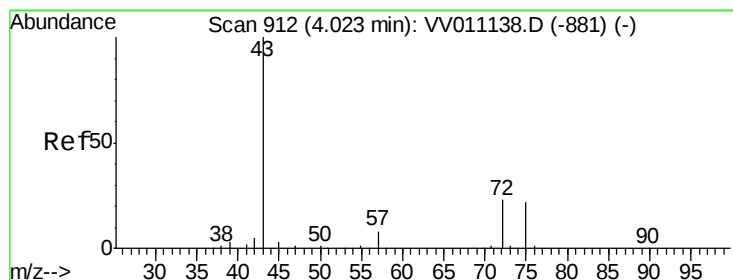
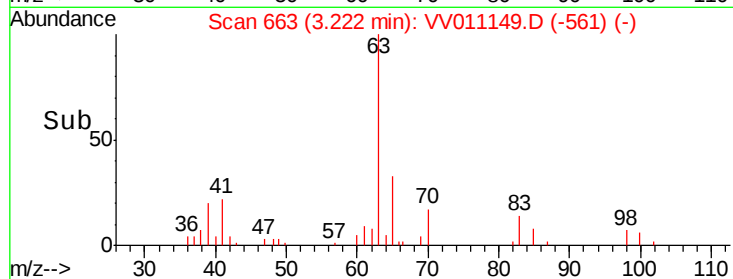
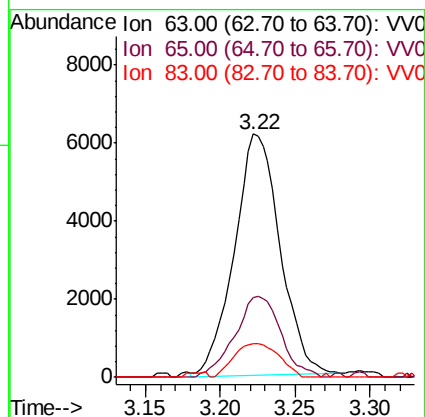
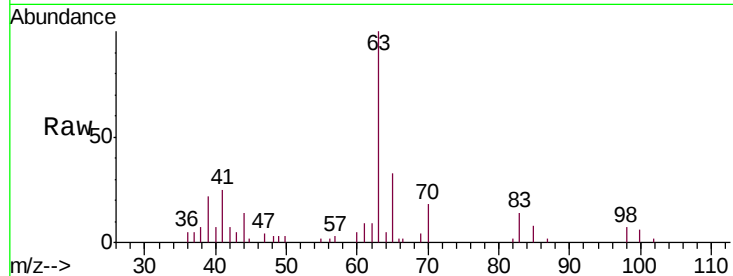




#19
 1,1-Dichloroethane
 Concen: 1.515 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011149.D
 Acq: 30 May 2019 21:28

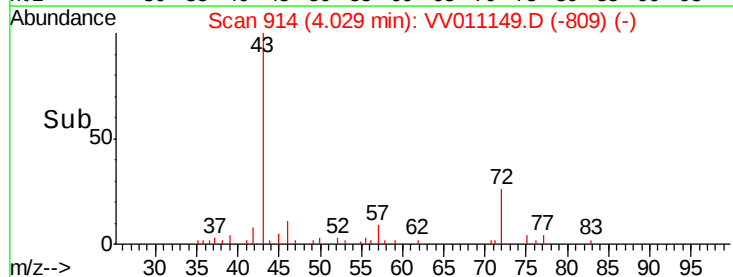
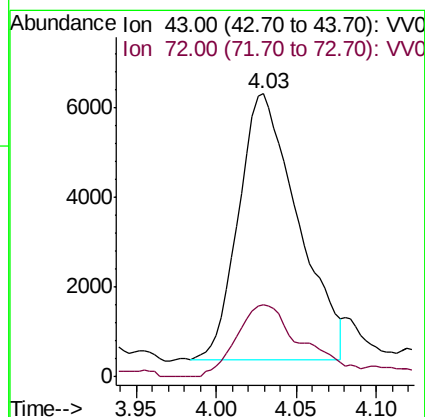
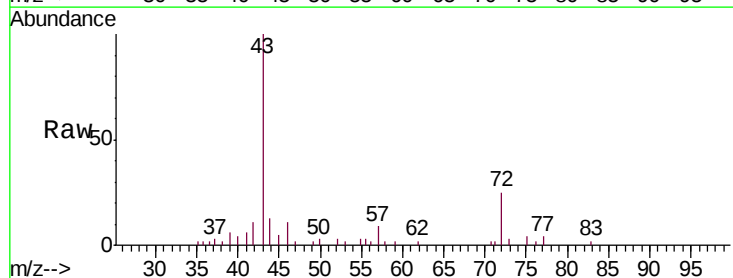
Instrument :
 MSVOA_V
 ClientSampleId :
 A51F3

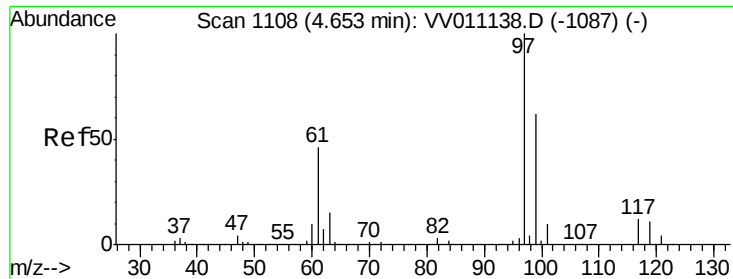
Tgt Ion: 63 Resp: 13123
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.7 42.3
 83 13.7 9.2 17.0



#21
 2-Butanone
 Concen: 6.780 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VV011149.D
 Acq: 30 May 2019 21:28

Tgt Ion: 43 Resp: 14963
 Ion Ratio Lower Upper
 43 100
 72 23.4 11.1 33.3





#31

1,1,1-Trichloroethane

Concen: 28.605 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV011149.D

Acq: 30 May 2019 21:28

Instrument :

MSVOA_V

ClientSampled :

A51F3

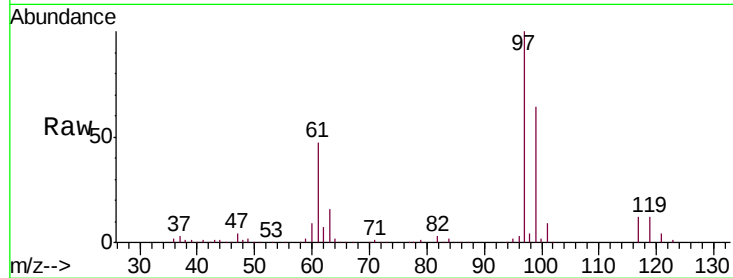
Tgt Ion: 97 Resp: 164141

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

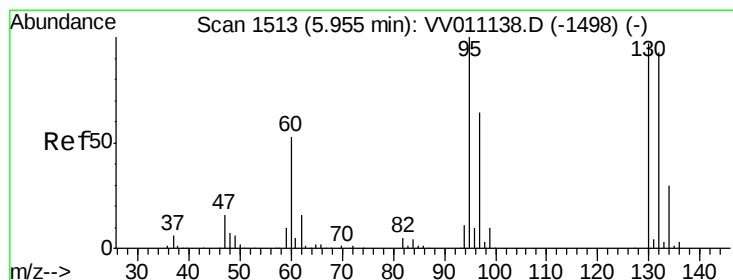
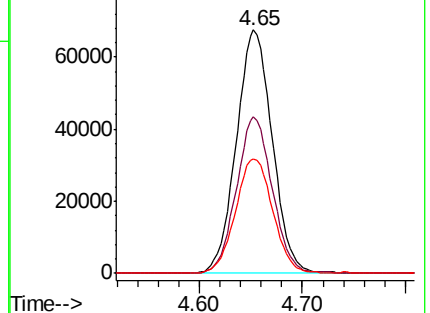
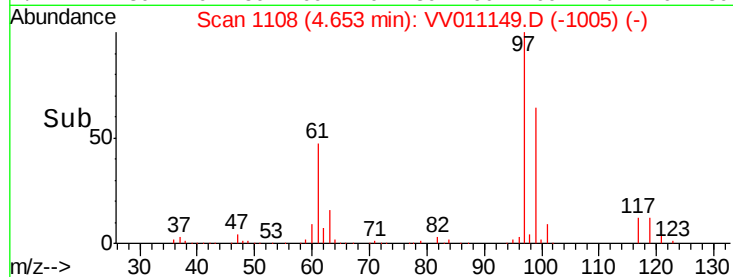
61 48.8 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VV011138.D (-1087) (-)

Ion 99.00 (98.70 to 99.70): VV011138.D (-1087) (-)

Ion 61.00 (60.70 to 61.70): VV011138.D (-1087) (-)



#35

Trichloroethene

Concen: 2.340 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011149.D

Acq: 30 May 2019 21:28

Tgt Ion: 95 Resp: 9114

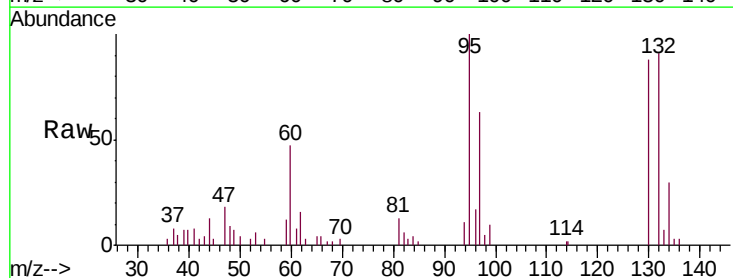
Ion Ratio Lower Upper

95 100

97 65.2 44.4 82.5

132 92.3 66.0 122.6

130 90.4 67.4 125.2

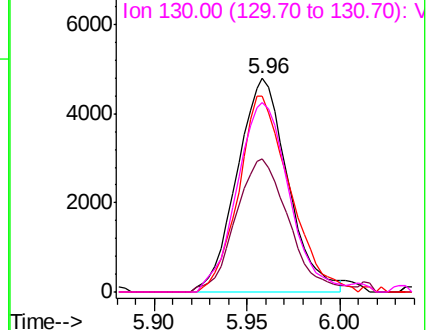
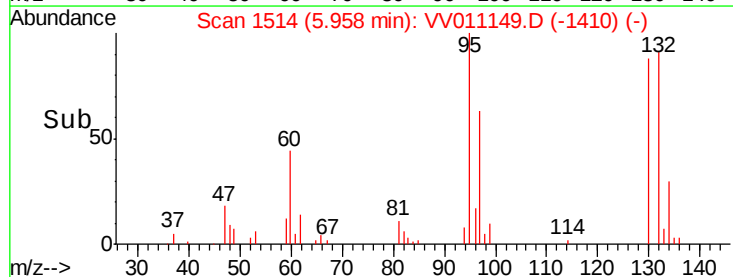


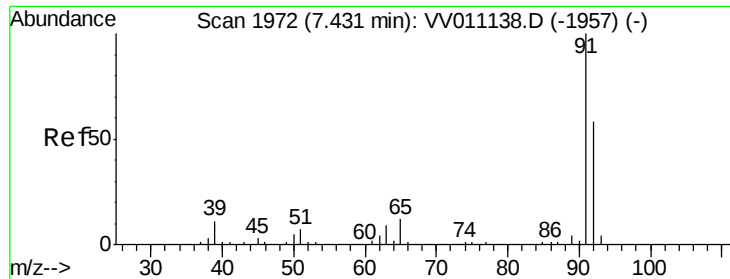
Abundance Ion 95.00 (94.70 to 95.70): VV011138.D (-1498) (-)

Ion 97.00 (96.70 to 97.70): VV011138.D (-1498) (-)

Ion 132.00 (131.70 to 132.70): VV011138.D (-1498) (-)

Ion 130.00 (129.70 to 130.70): VV011138.D (-1498) (-)





#44

Toluene

Concen: 1.115 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011149.D

Acq: 30 May 2019 21:28

Instrument :

MSVOA_V

ClientSampleId :

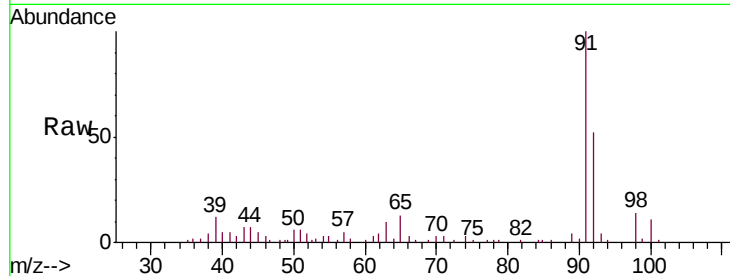
A51F3

Tgt Ion: 91 Resp: 18072

Ion Ratio Lower Upper

91 100

92 51.5 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV011138.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV011138.D (-1957) (-)

7.43

12000

10000

8000

6000

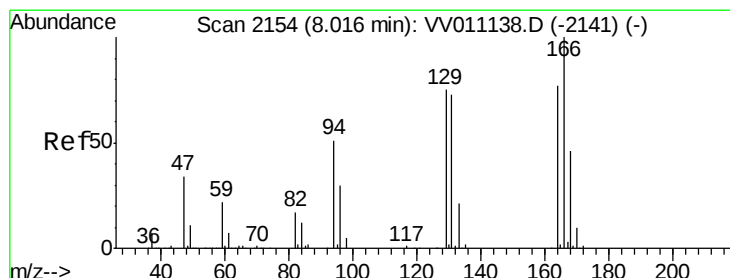
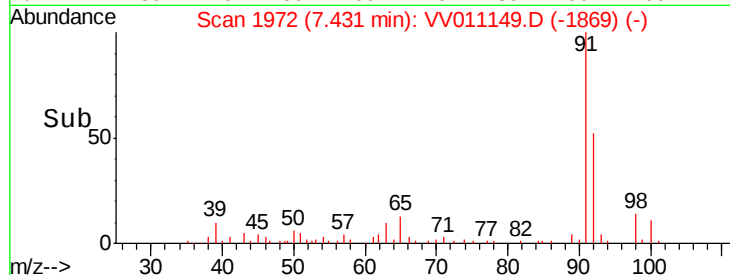
4000

2000

0

Time-->

7.35 7.40 7.45 7.50



#47

Tetrachloroethene

Concen: 13.872 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011149.D

Acq: 30 May 2019 21:28

Tgt Ion: 164 Resp: 40036

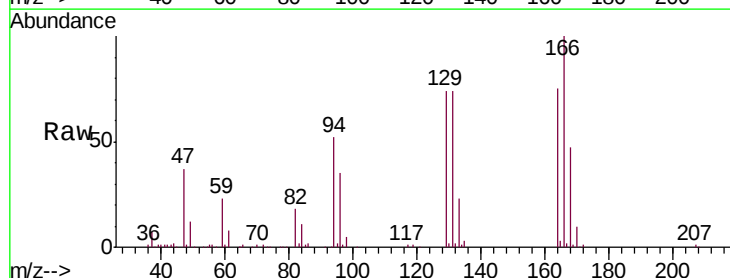
Ion Ratio Lower Upper

164 100

129 99.8 69.1 128.3

131 99.4 65.5 121.6

166 134.0 93.2 173.0



Abundance Ion 164.00 (163.70 to 164.70): VV011138.D (-2141) (-)

Ion 129.00 (128.70 to 129.70): VV011138.D (-2141) (-)

Ion 131.00 (130.70 to 131.70): VV011138.D (-2141) (-)

Ion 166.00 (165.70 to 166.70): VV011138.D (-2141) (-)

8.02

40000

30000

20000

10000

0

Time-->

7.95 8.00 8.05 8.10

