

Data File : VV011155.D
Acq On : 31 May 2019 00:17
Operator : SY/MD
Sample : K3083-07
Misc : 4.67G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51G0

Quant Time: May 31 01:49:39 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	336417	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	295284	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	108674	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	101572	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.28%
7) Chloroethane-d5	1.56	69	83814	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
10) 1,1-Dichloroethene-d2	2.12	63	166758	17.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.40%
20) 2-Butanone-d5	3.94	46	94362	56.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.44%
24) Chloroform-d	4.40	84	213319	25.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.76%
26) 1,2-Dichloroethane-d4	5.08	65	134030	25.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.04%
29) Benzene-d6	5.09	84	429556	26.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.12%
33) 1,2-Dichloropropane-d6	6.12	67	141727	27.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.32%
37) Toluene-d8	7.36	98	380620	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.64%
38) trans-1,3-Dichloropropene-	7.66	79	57248	24.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.48%
39) 2-Hexanone-d5	8.13	63	73729	63.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.28%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	118553	25.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	97436	23.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.84%

Target Compounds

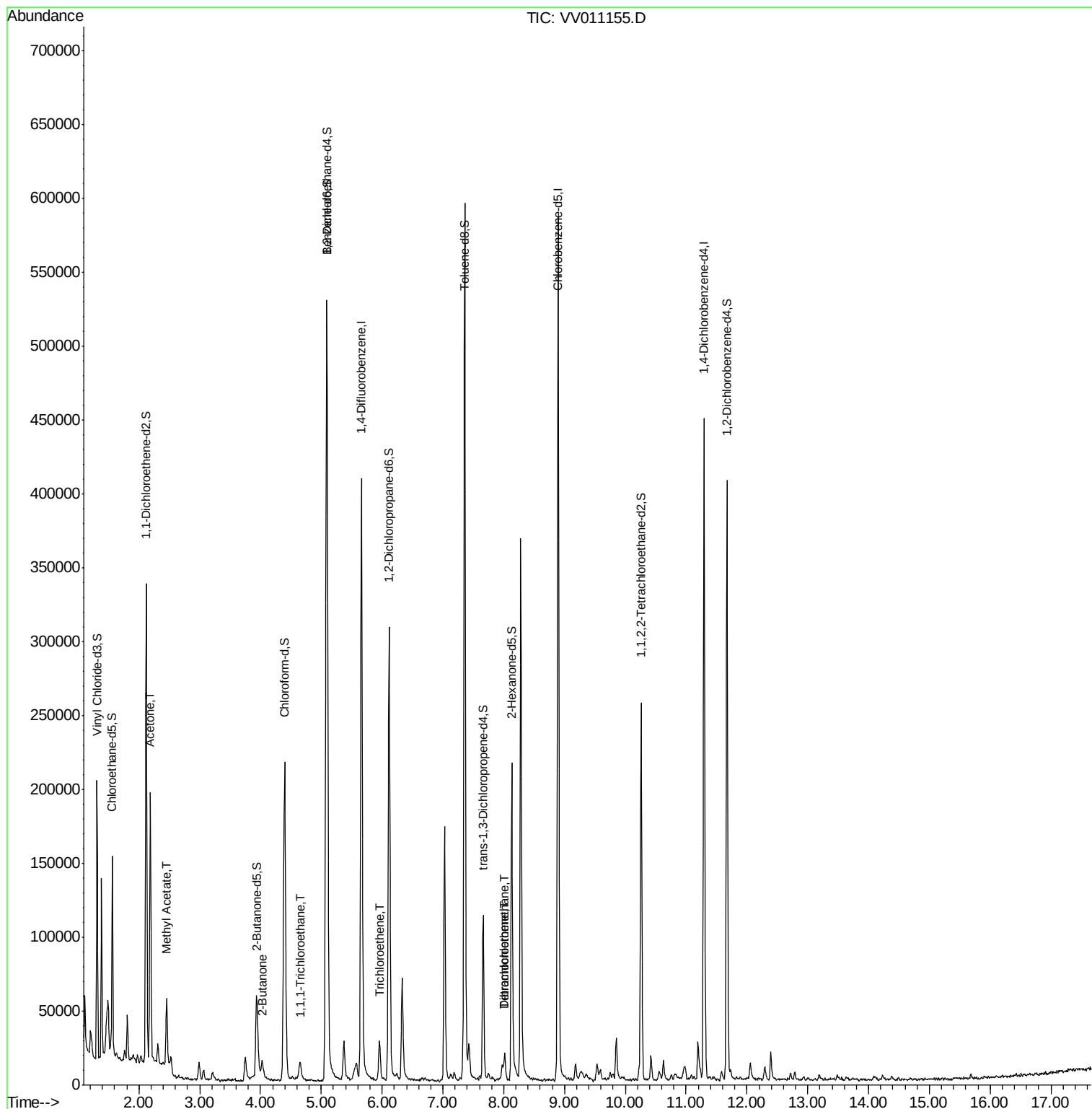
					Qvalue
13) Acetone	2.19	43	172519	89.140 ug/L	99
15) Methyl Acetate	2.46	43	47394	16.274 ug/L	100
21) 2-Butanone	4.03	43	18413	8.109 ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	8060	1.192 ug/L	97
35) Trichloroethene	5.96	95	8887	1.936 ug/L	95
47) Tetrachloroethene	8.02	164	3680	1.082 ug/L	93
50) Dibromochloromethane	8.02	129	3939	0.971 ug/L #	11

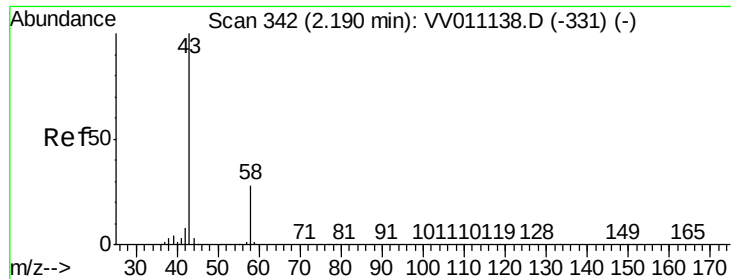
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 89.140 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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ClientSampleId :

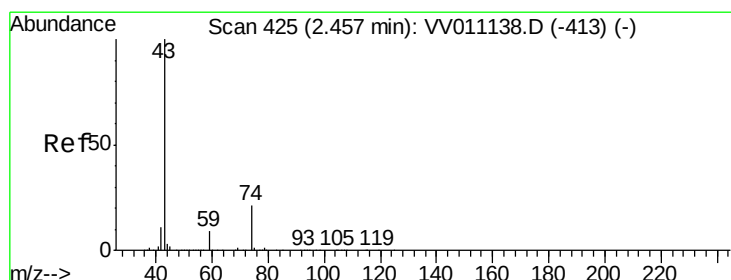
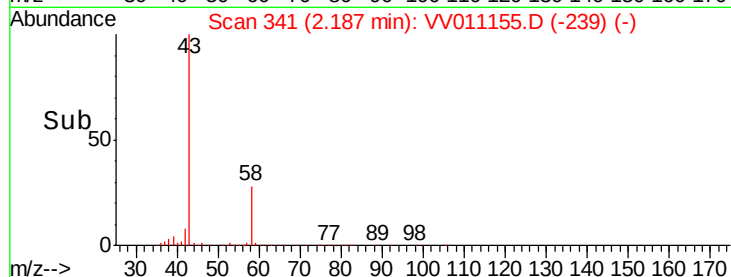
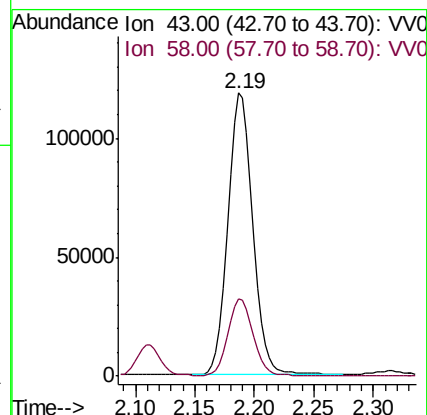
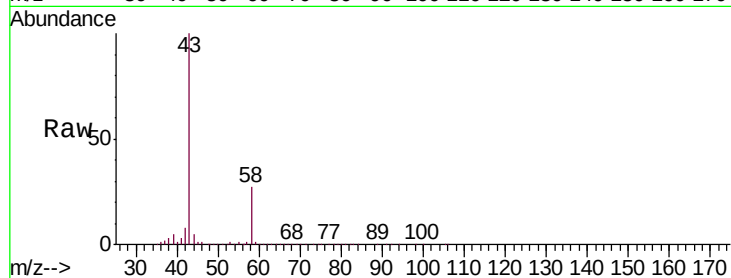
A51G0

Tgt Ion: 43 Resp: 172519

Ion Ratio Lower Upper

43 100

58 27.2 0.0 53.8



#15

Methyl Acetate

Concen: 16.274 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV011155.D

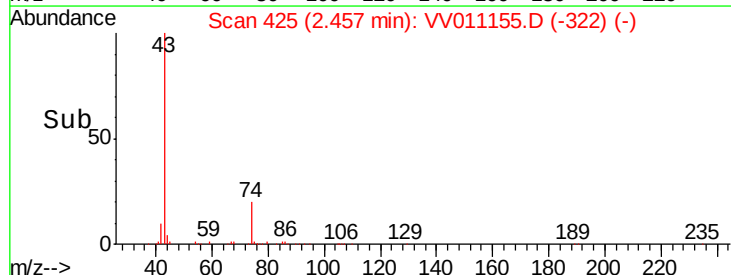
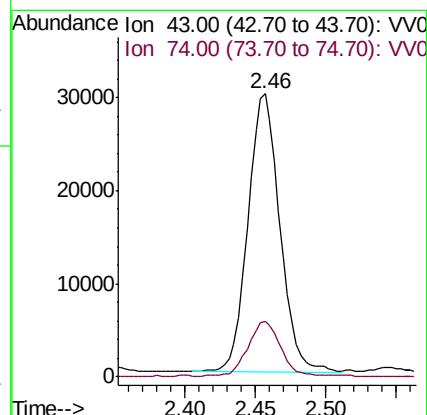
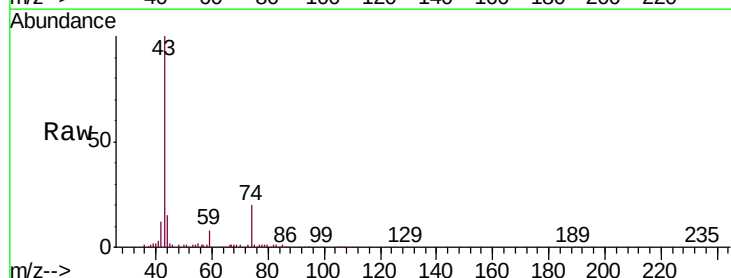
Acq: 31 May 2019 00:17

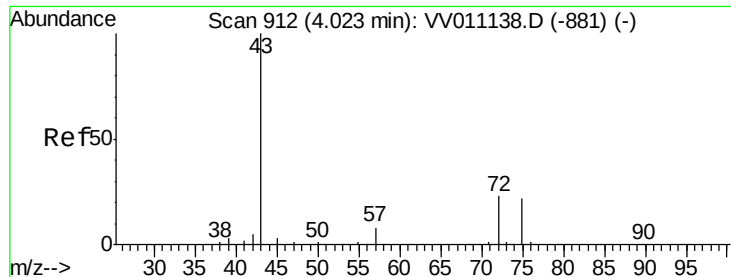
Tgt Ion: 43 Resp: 47394

Ion Ratio Lower Upper

43 100

74 20.2 16.2 24.4





#21

2-Butanone

Concen: 8.109 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.00 min

Lab File: VV011155.D

Acq: 31 May 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

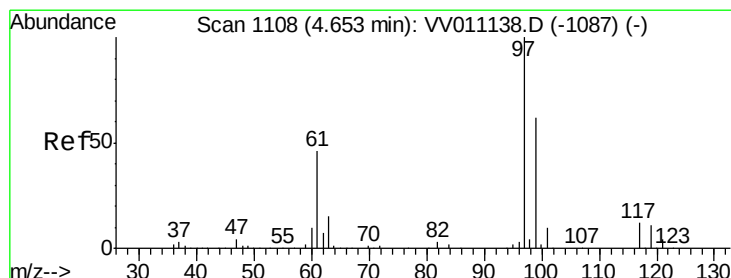
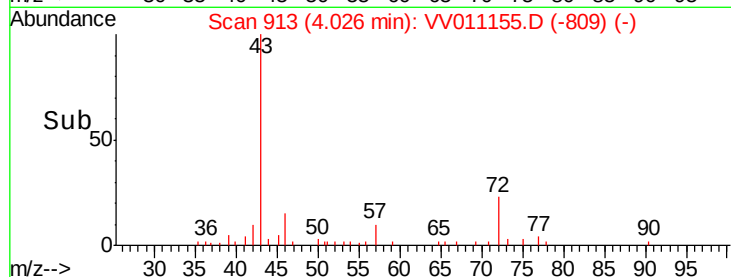
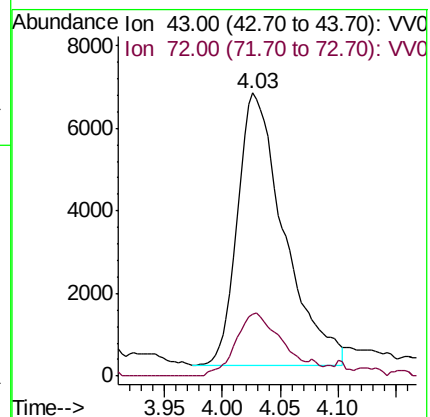
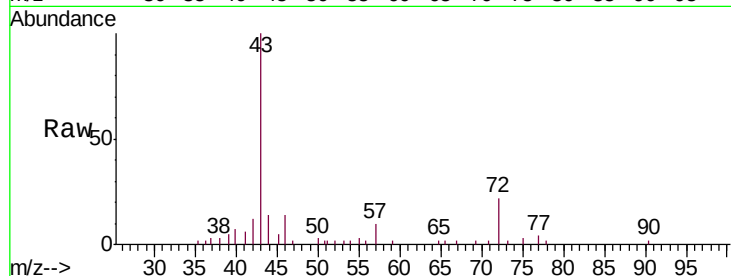
A51G0

Tgt Ion: 43 Resp: 18413

Ion Ratio Lower Upper

43 100

72 22.3 11.1 33.3



#31

1,1,1-Trichloroethane

Concen: 1.192 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011155.D

Acq: 31 May 2019 00:17

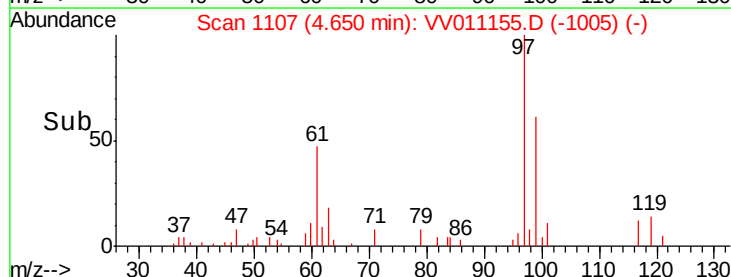
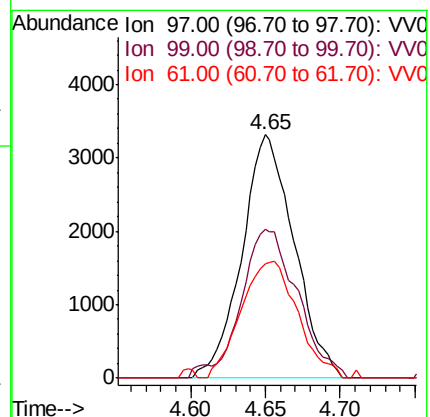
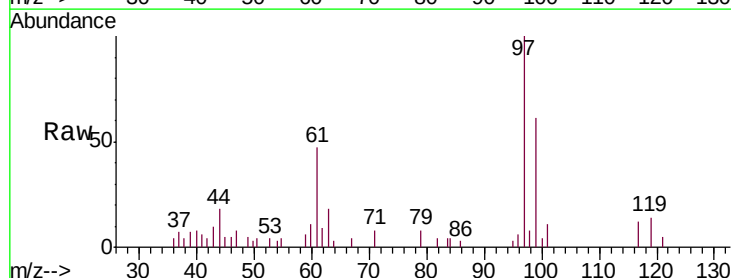
Tgt Ion: 97 Resp: 8060

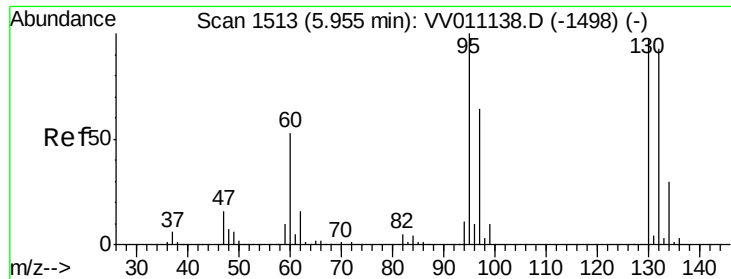
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 51.9 38.4 57.6





#35

Trichloroethene

Concen: 1.936 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011155.D

Acq: 31 May 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

A51G0

Tgt Ion: 95 Resp: 8887

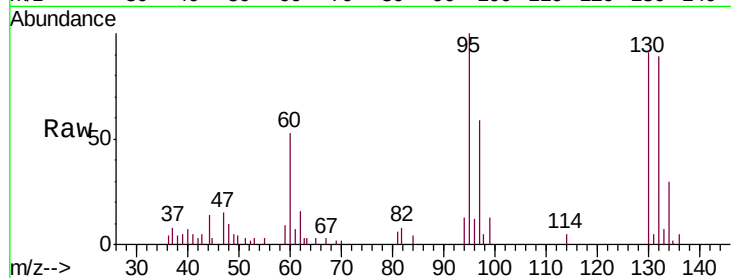
Ion Ratio Lower Upper

95 100

97 64.9 44.4 82.5

132 91.3 66.0 122.6

130 87.8 67.4 125.2

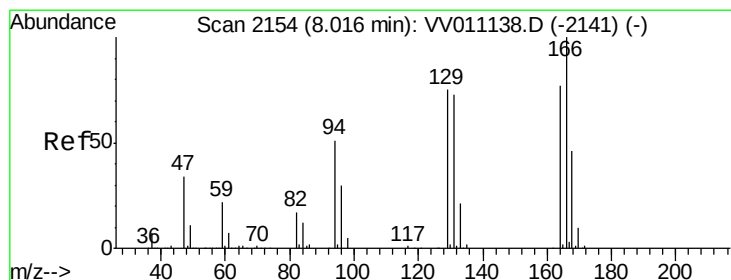
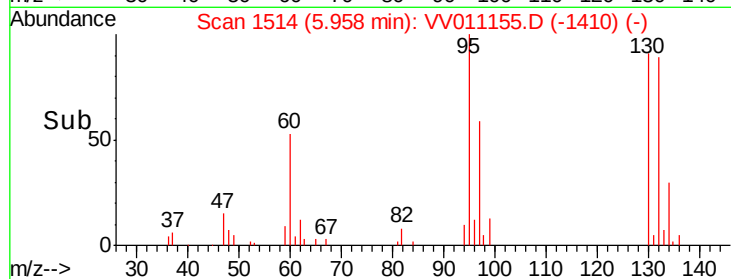
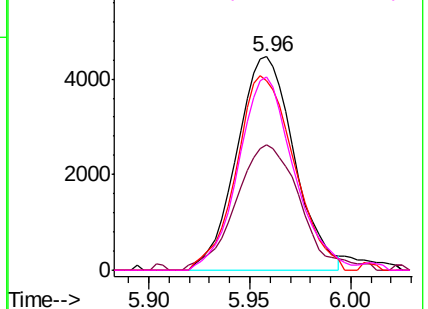


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 1.082 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV011155.D

Acq: 31 May 2019 00:17

Tgt Ion: 164 Resp: 3680

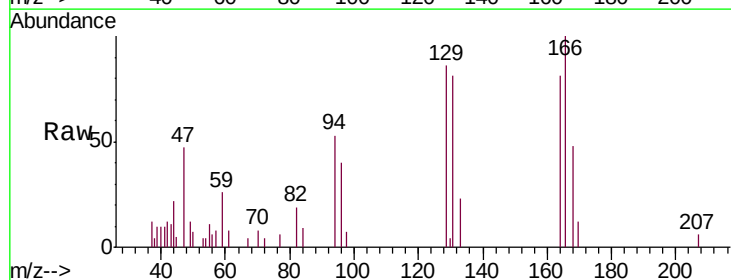
Ion Ratio Lower Upper

164 100

129 105.3 69.1 128.3

131 99.1 65.5 121.6

166 122.8 93.2 173.0

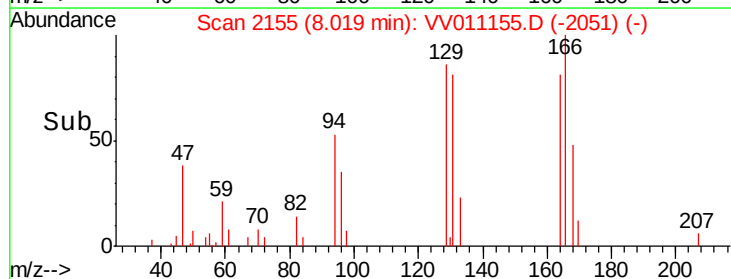
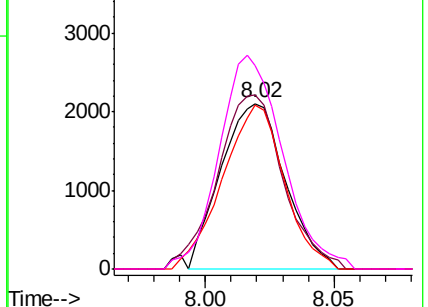


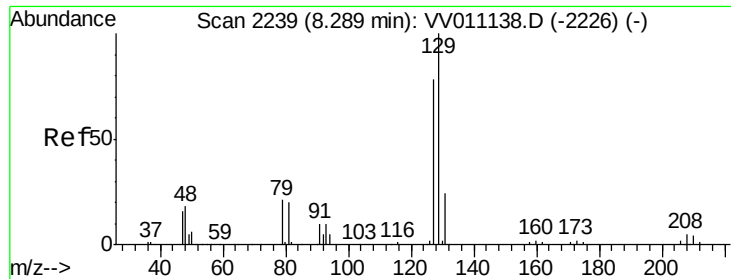
Abundance Ion 164.00 (163.70 to 164.70): V

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





#50

Dibromochloromethane

Concen: 0.971 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV011155.D

Acq: 31 May 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

A51G0

Tgt Ion:129 Resp: 3939

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#

