

Data File : VV010895.D
Acq On : 15 May 2019 12:05
Operator : SY/MD
Sample : K2788-08
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5196

Quant Time: May 16 07:28:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 07:25:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	156262	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	153711	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63716	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38837	19.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.04%
7) Chloroethane-d5	1.57	69	29519	22.75	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.00%
10) 1,1-Dichloroethene-d2	2.12	63	62127	16.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.96%
20) 2-Butanone-d5	3.93	46	33234	53.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.12%
24) Chloroform-d	4.40	84	91860	20.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.44%
26) 1,2-Dichloroethane-d4	5.08	65	52925	20.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.52%
29) Benzene-d6	5.09	84	188669	22.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.72%
33) 1,2-Dichloropropane-d6	6.12	67	60532	22.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.20%
37) Toluene-d8	7.36	98	164098	20.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.28%
38) trans-1,3-Dichloropropene-	7.66	79	22679	19.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.60%
39) 2-Hexanone-d5	8.13	63	27075	52.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.28%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56267	22.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	57839	21.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.92%

Target Compounds

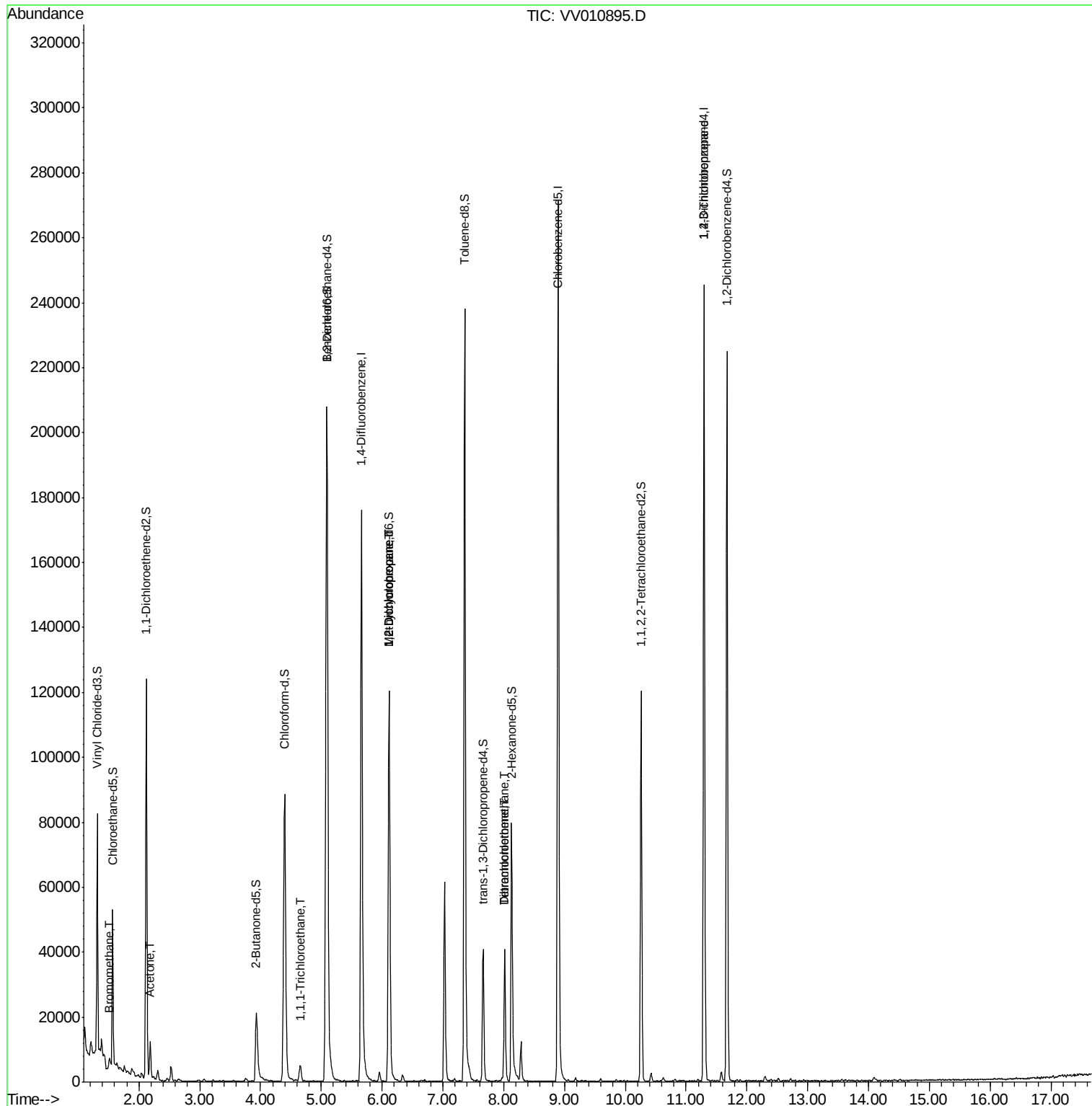
					Qvalue
6) Bromomethane	1.52	94	731	1.409 ug/L	87
13) Acetone	2.19	43	7995	12.532 ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	4089	1.225 ug/L #	94
36) Methylcyclohexane	6.12	83	13724	4.247 ug/L #	19
40) 1,2-Dichloropropane	6.11	63	6502	2.665 ug/L #	88
47) Tetrachloroethene	8.02	164	9215	5.371 ug/L	95
50) Dibromochloromethane	8.02	129	8897	4.070 ug/L #	11
59) 1,2,3-Trichloropropane	11.29	75	8315	4.422 ug/L	95

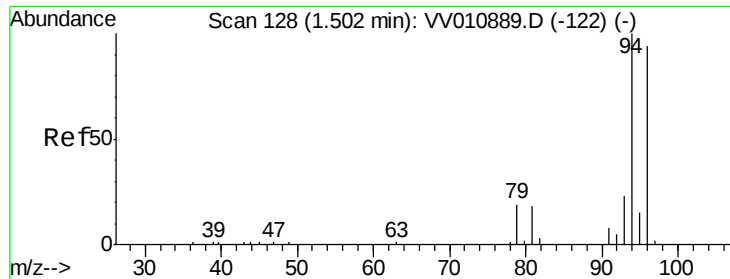
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 1.409 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.02 min

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Acq: 15 May 2019 12:05

Instrument :

MSVOA_V

ClientSampleId :

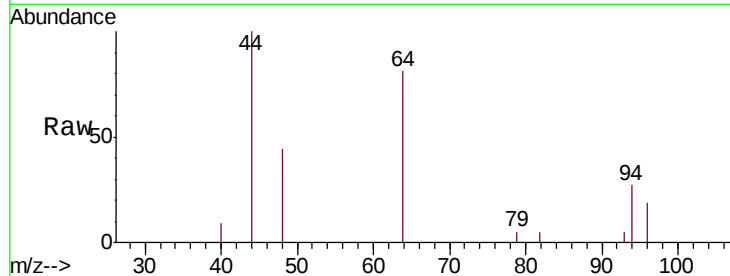
A5196

Tgt Ion: 94 Resp: 731

Ion Ratio Lower Upper

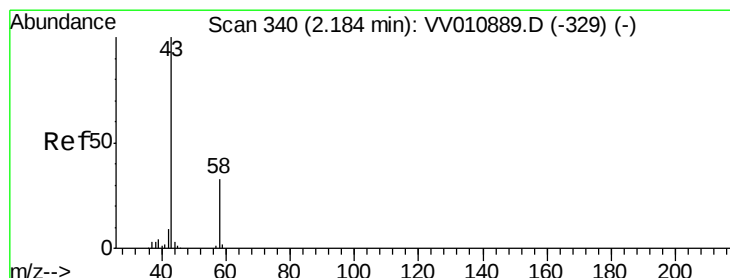
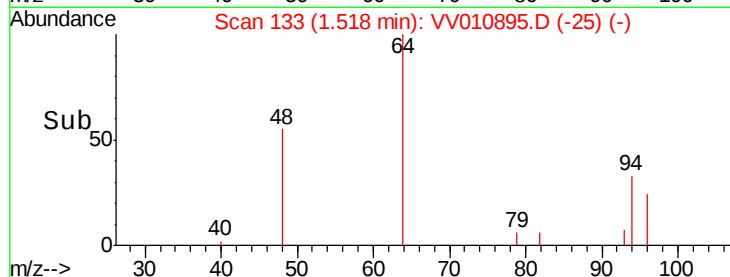
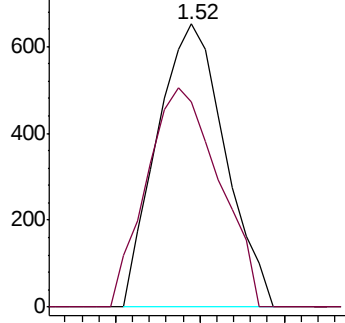
94 100

96 82.8 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



#13

Acetone

Concen: 12.532 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010895.D

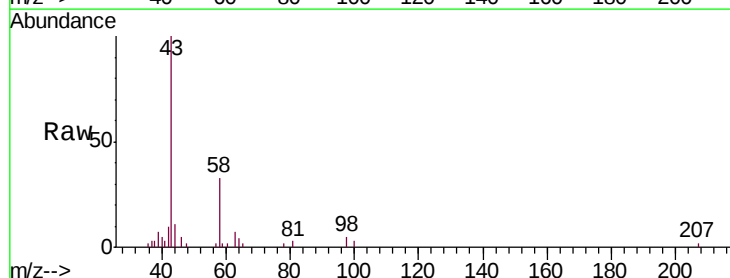
Acq: 15 May 2019 12:05

Tgt Ion: 43 Resp: 7995

Ion Ratio Lower Upper

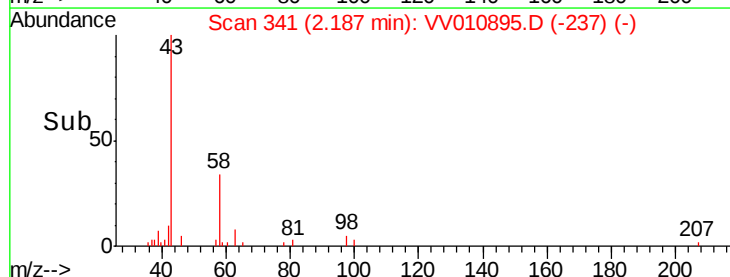
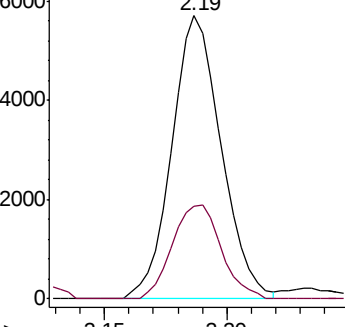
43 100

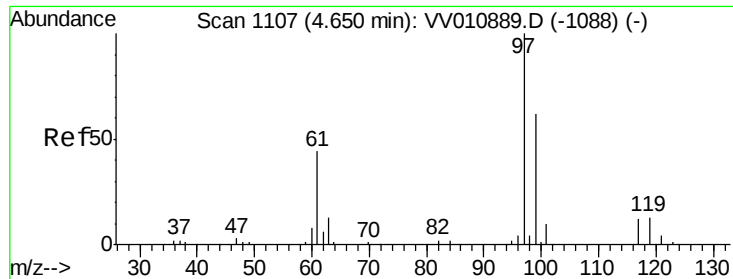
58 32.9 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#31

1,1,1-Trichloroethane

Concen: 1.225 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV010895.D

Acq: 15 May 2019 12:05

Instrument :

MSVOA_V

ClientSampleId :

A5196

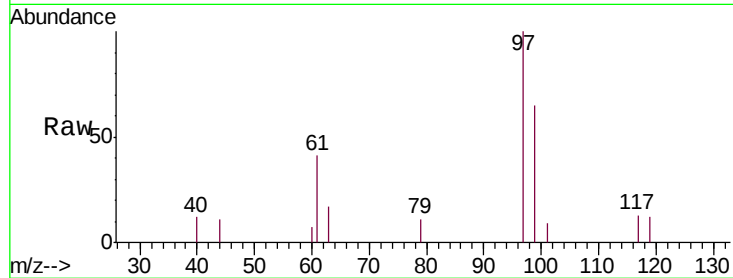
Tgt Ion: 97 Resp: 4089

Ion Ratio Lower Upper

97 100

99 62.6 49.4 74.2

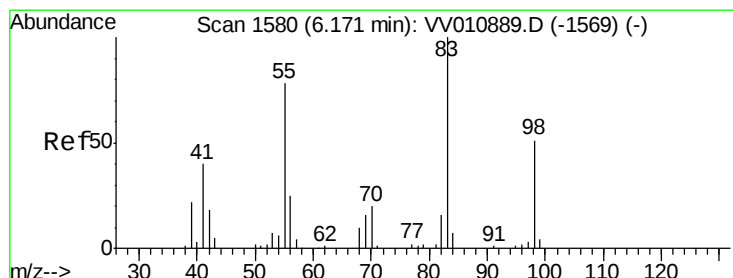
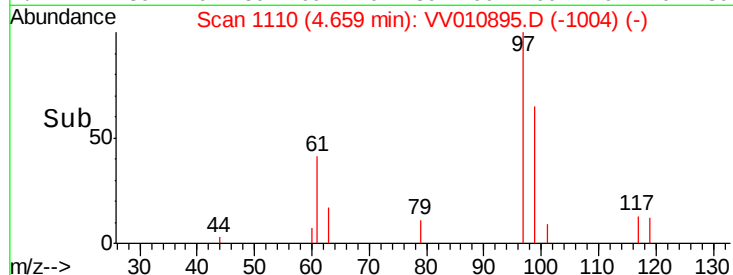
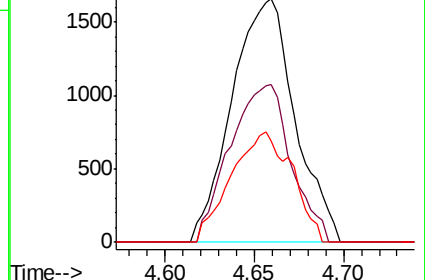
61 34.6 34.6 51.8#



Abundance Ion 97.00 (96.70 to 97.70): VV010889.D (-1088) (-)

Ion 99.00 (98.70 to 99.70): VV010889.D (-1088) (-)

Ion 61.00 (60.70 to 61.70): VV010889.D (-1088) (-)



#36

Methylcyclohexane

Concen: 4.247 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV010895.D

Acq: 15 May 2019 12:05

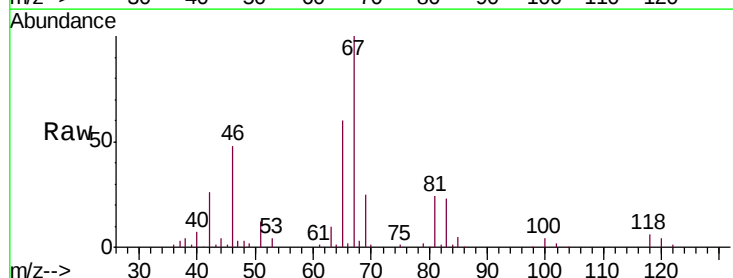
Tgt Ion: 83 Resp: 13724

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.4#

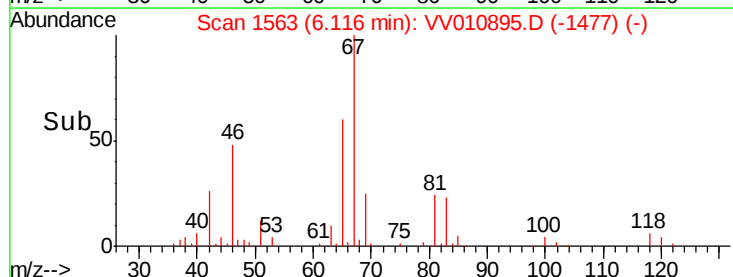
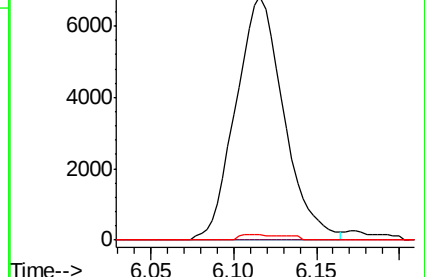
98 1.8 37.2 55.8#

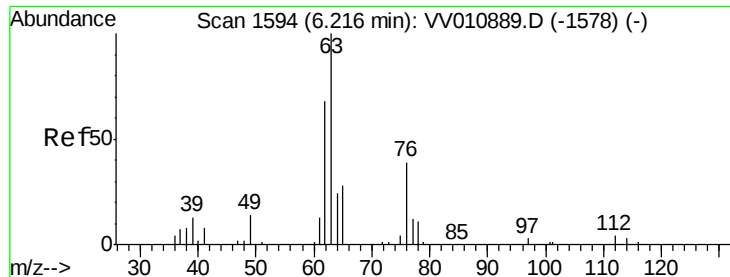


Abundance Ion 83.00 (82.70 to 83.70): VV010889.D (-1569) (-)

Ion 55.00 (54.70 to 55.70): VV010889.D (-1569) (-)

Ion 98.00 (97.70 to 98.70): VV010889.D (-1569) (-)





#40

1,2-Dichloropropane

Concen: 2.665 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV010895.D

Acq: 15 May 2019 12:05

Instrument :

MSVOA_V

ClientSampled :

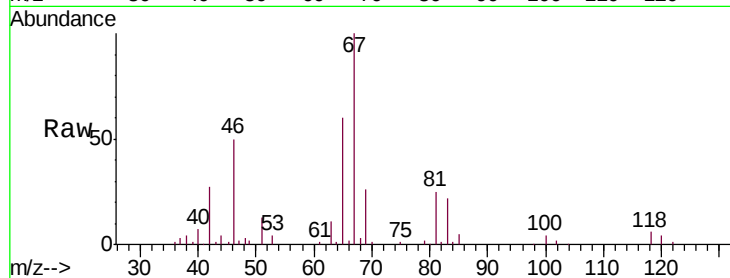
A5196

Tgt Ion: 63 Resp: 6502

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VV010889.D (-1578) (-)

Ion 112.00 (111.70 to 112.70): VV010889.D (-1578) (-)

6.11

3000

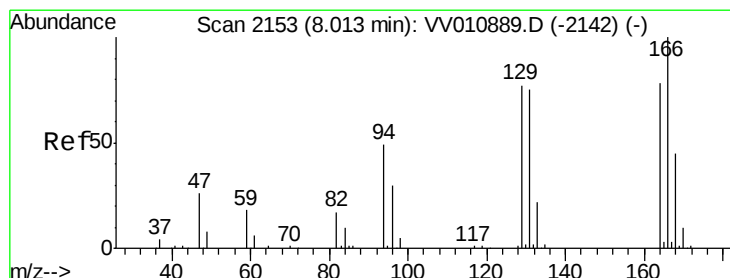
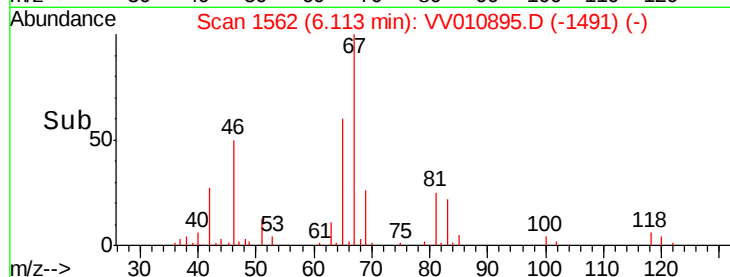
2000

1000

0

6.05 6.10 6.15

Time-->



#47

Tetrachloroethene

Concen: 5.371 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV010895.D

Acq: 15 May 2019 12:05

Tgt Ion: 164 Resp: 9215

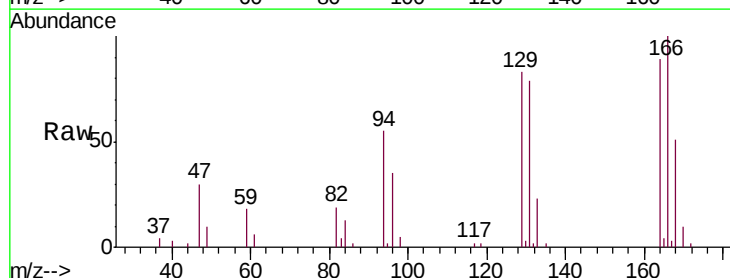
Ion Ratio Lower Upper

164 100

129 93.2 67.6 125.6

131 88.6 65.1 120.9

166 112.8 84.8 157.6



Abundance Ion 164.00 (163.70 to 164.70): VV010889.D (-2142) (-)

Ion 129.00 (128.70 to 129.70): VV010889.D (-2142) (-)

Ion 131.00 (130.70 to 131.70): VV010889.D (-2142) (-)

Ion 166.00 (165.70 to 166.70): VV010889.D (-2142) (-)

8000

6000

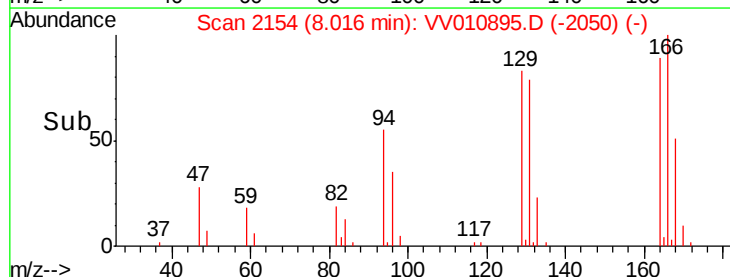
4000

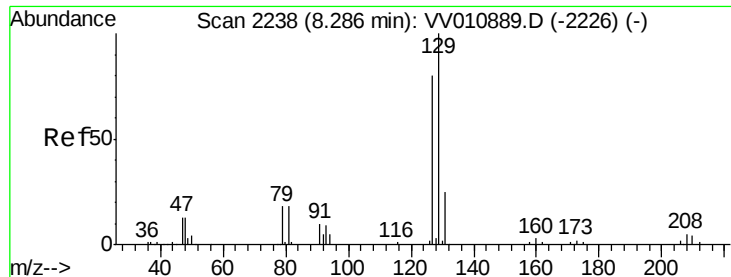
2000

0

7.95 8.00 8.05

Time-->





#50

Dibromochloromethane

Concen: 4.070 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV010895.D

Acq: 15 May 2019 12:05

Instrument :

MSVOA_V

ClientSampleId :

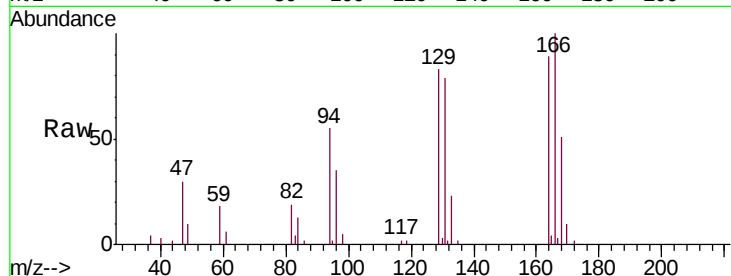
A5196

Tgt Ion:129 Resp: 8897

Ion Ratio Lower Upper

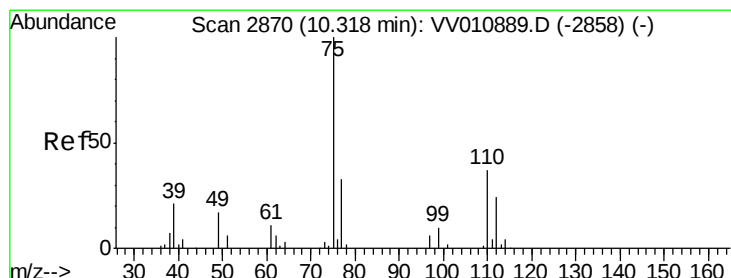
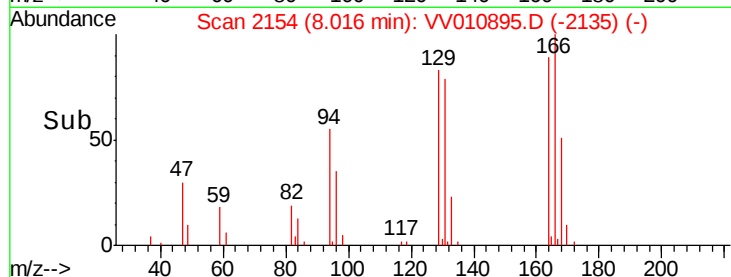
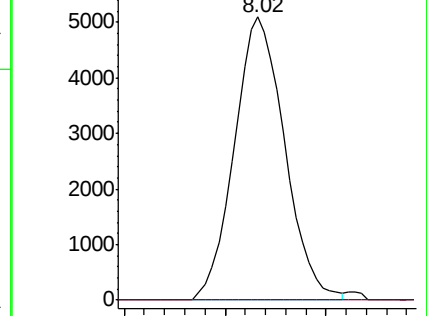
129 100

127 0.0 53.8 100.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 4.422 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010895.D

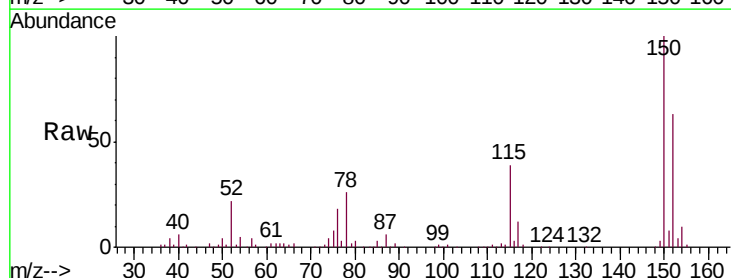
Acq: 15 May 2019 12:05

Tgt Ion: 75 Resp: 8315

Ion Ratio Lower Upper

75 100

77 36.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

