

Data File : VV009592.D
Acq On : 11 Mar 2019 14:03
Operator : SY/MD
Sample : K1789-17
Misc : 5.58G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0Q0

Quant Time: Mar 11 14:33:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 12:01:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	130817	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	128058	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	53281	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26420	16.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.12%
7) Chloroethane-d5	1.57	69	30574	13.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.72%
10) 1,1-Dichloroethene-d2	2.13	63	62688	15.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.20%
20) 2-Butanone-d5	3.93	46	20387	37.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.98%
24) Chloroform-d	4.40	84	65083	20.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.52%
26) 1,2-Dichloroethane-d4	5.08	65	42663	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.24%
29) Benzene-d6	5.10	84	143691	22.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.64%
33) 1,2-Dichloropropane-d6	6.12	67	44581	23.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.28%
37) Toluene-d8	7.36	98	137947	22.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.24%
38) trans-1,3-Dichloropropene-	7.66	79	17334	19.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.44%
39) 2-Hexanone-d5	8.13	63	15258	34.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	40458	20.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.12%
61) 1,2-Dichlorobenzene-d4	11.68	152	46476	23.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.60%

Target Compounds

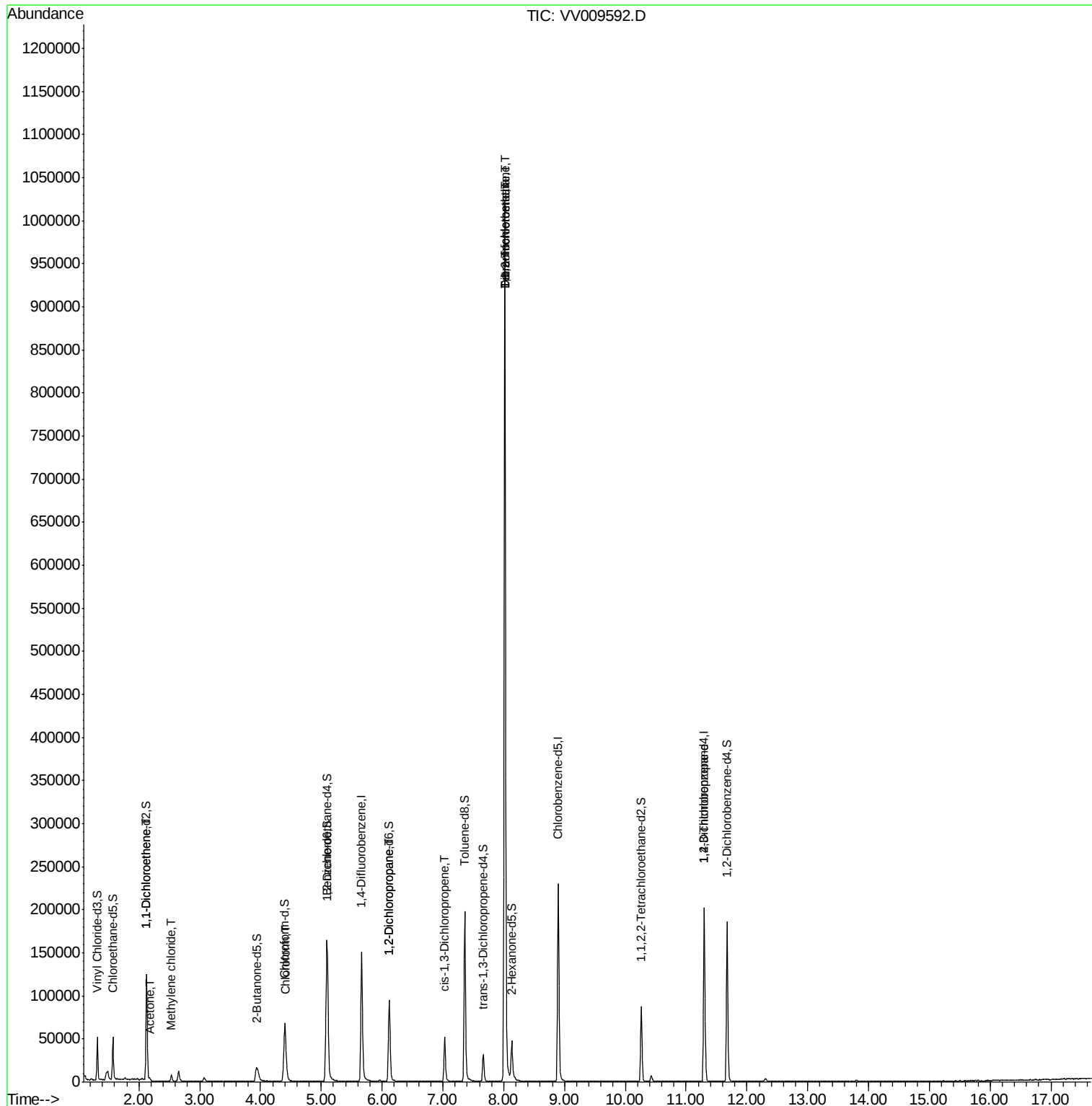
					Qvalue
12) 1,1-Dichloroethene	2.13	96	875	0.503 ug/L #	1
13) Acetone	2.19	43	798	1.463 ug/L	71
16) Methylene chloride	2.53	84	2752	1.603 ug/L	87
25) Chloroform	4.42	83	8511	2.771 ug/L	88
40) 1,2-Dichloropropane	6.12	63	5137	3.011 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1677	0.633 ug/L #	82
46) 1,1,2-Trichloroethane	8.02	97	1976	1.394 ug/L #	8
47) Tetrachloroethene	8.02	164	206868	143.425 ug/L	94
50) Dibromochloromethane	8.02	129	208986	121.782 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	7636	5.293 ug/L #	86

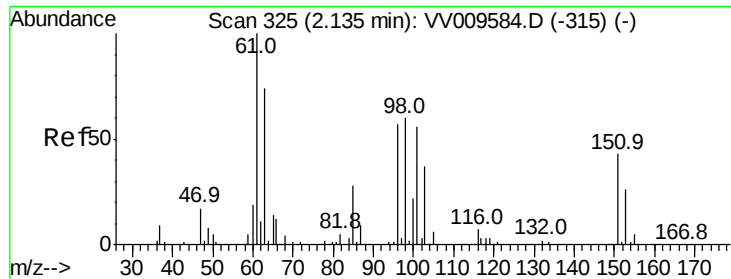
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.503 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV009592.D

Acq: 11 Mar 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

BF0Q0

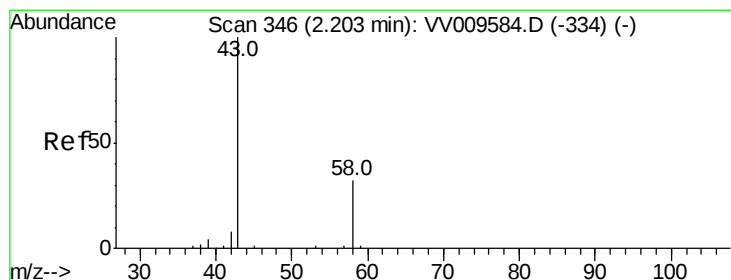
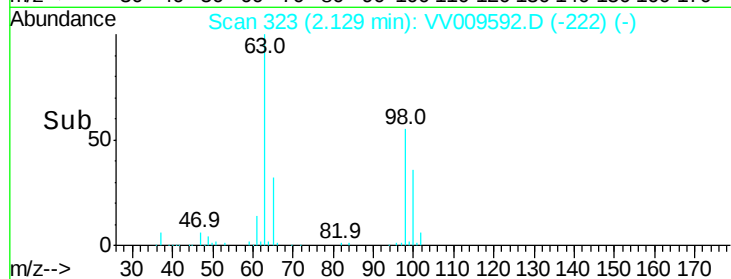
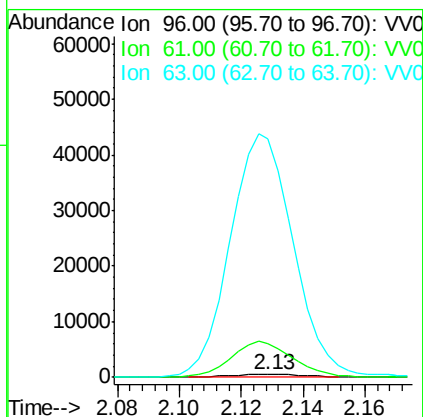
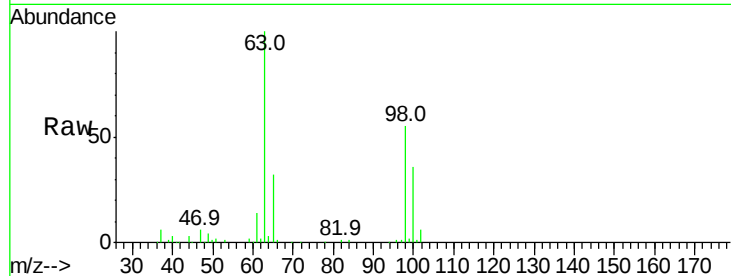
Tgt Ion: 96 Resp: 875

Ion Ratio Lower Upper

96 100

61 1298.7 136.9 254.3#

63 9031.2 108.7 201.9#



#13

Acetone

Concen: 1.463 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV009592.D

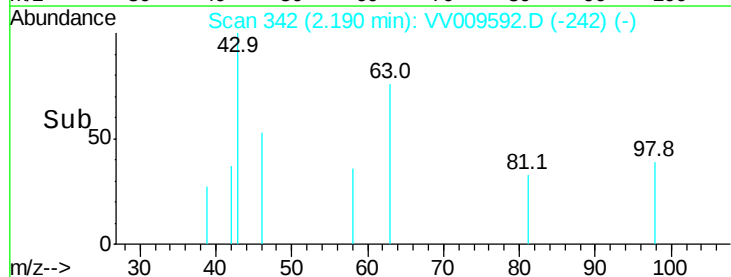
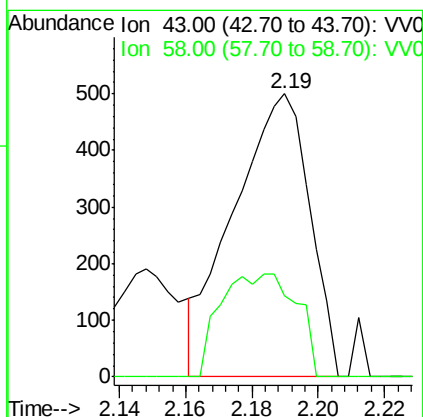
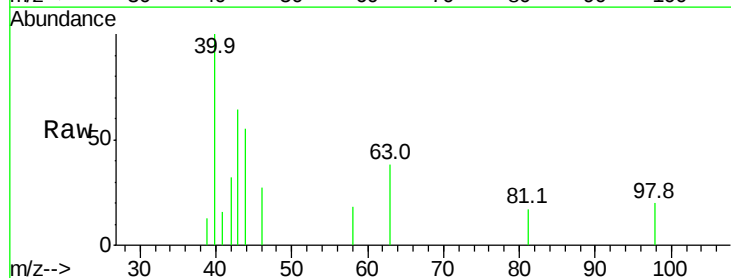
Acq: 11 Mar 2019 14:03

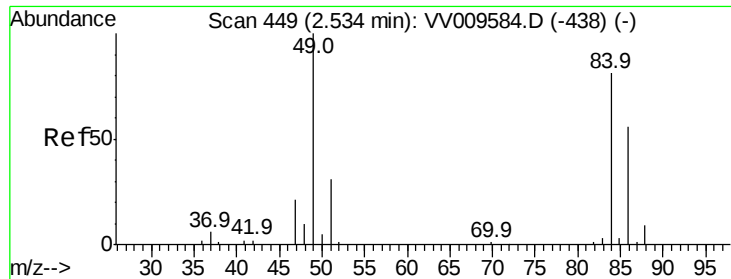
Tgt Ion: 43 Resp: 798

Ion Ratio Lower Upper

43 100

58 17.8 0.0 68.8

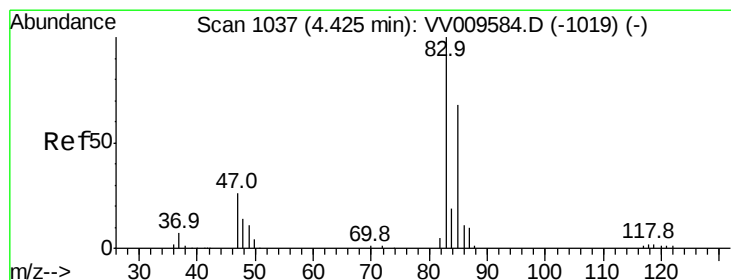
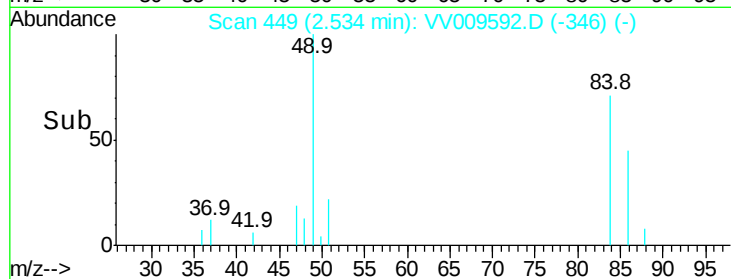
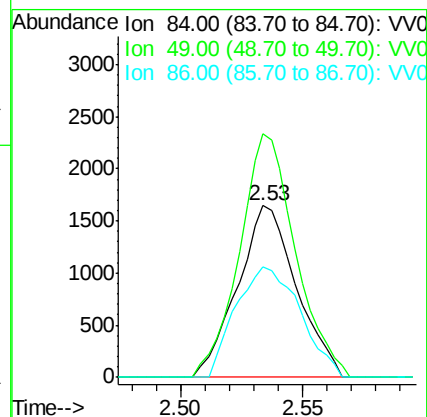
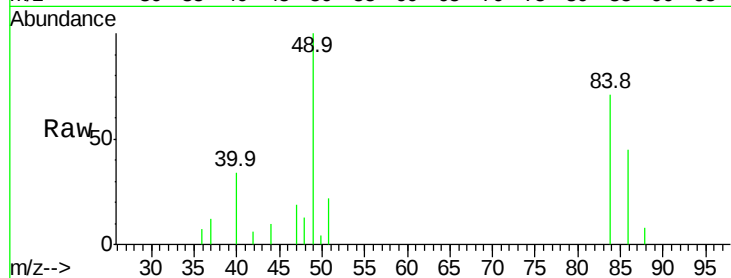




#16
Methylene chloride
Concen: 1.603 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009592.D
Acq: 11 Mar 2019 14:03

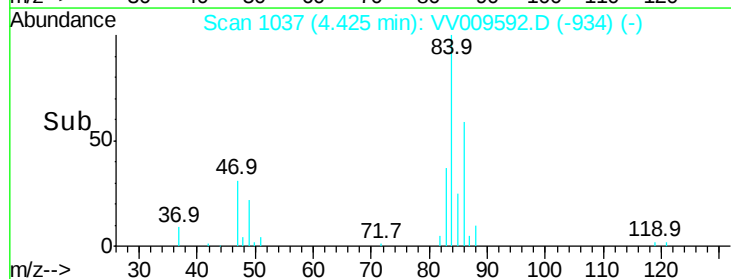
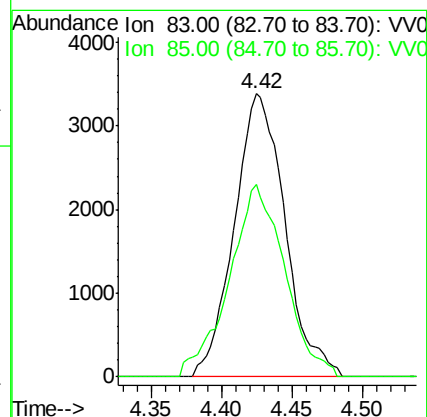
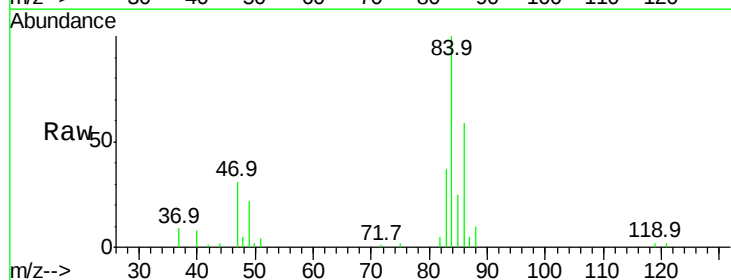
Instrument :
MSVOA_V
ClientSampled :
BF0Q0

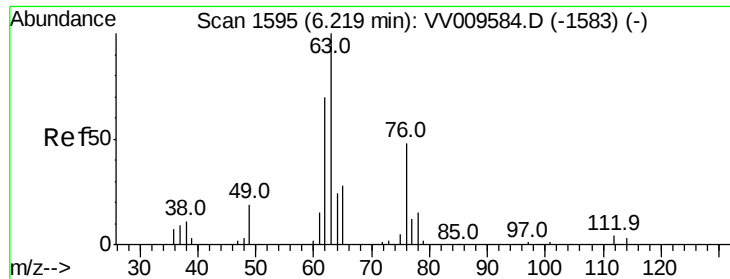
Tgt Ion: 84 Resp: 2752
Ion Ratio Lower Upper
84 100
49 141.7 84.6 157.0
86 64.2 46.1 85.7



#25
Chloroform
Concen: 2.771 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009592.D
Acq: 11 Mar 2019 14:03

Tgt Ion: 83 Resp: 8511
Ion Ratio Lower Upper
83 100
85 74.2 45.4 84.2

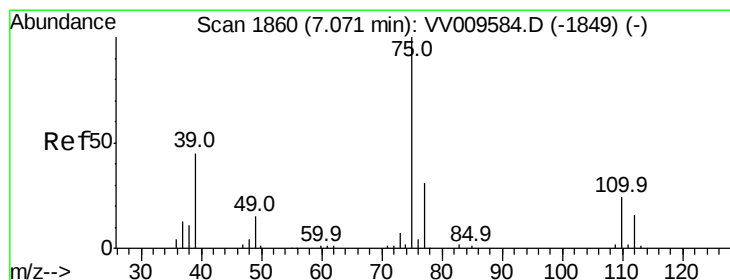
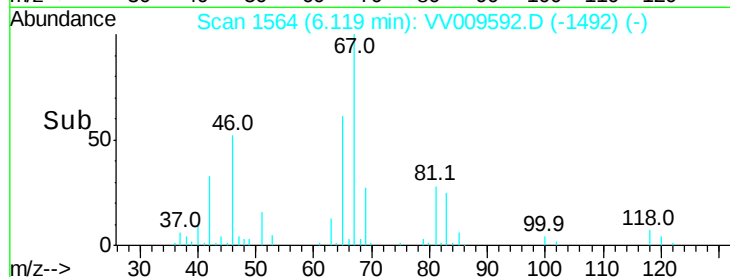
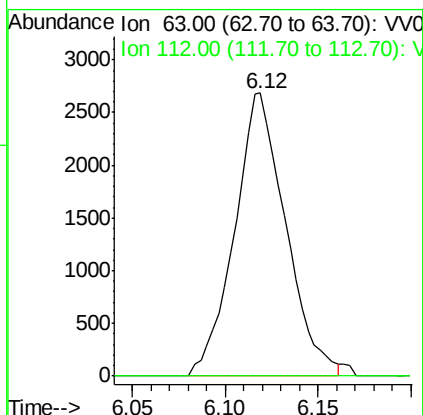
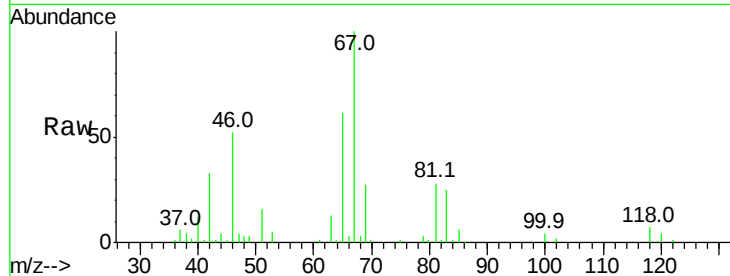




#40
 1,2-Dichloropropane
 Concen: 3.011 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009592.D
 Acq: 11 Mar 2019 14:03

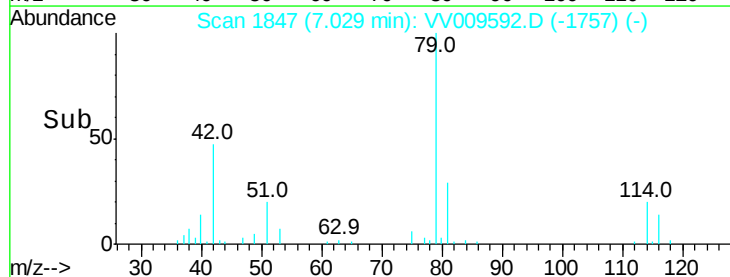
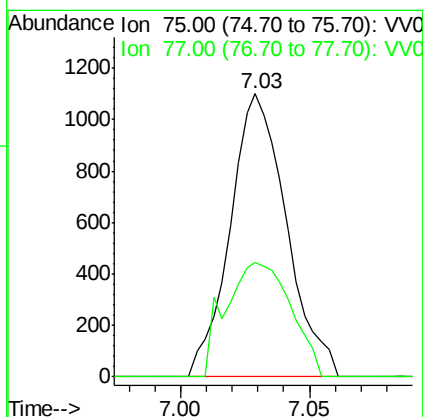
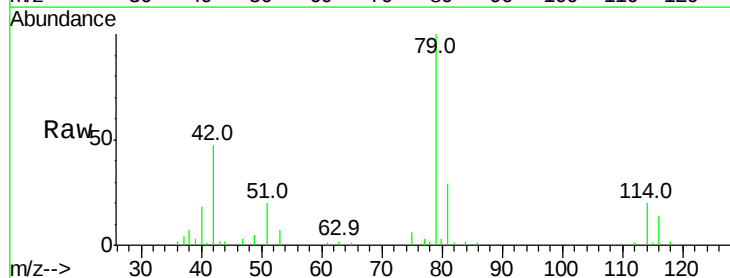
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0Q0

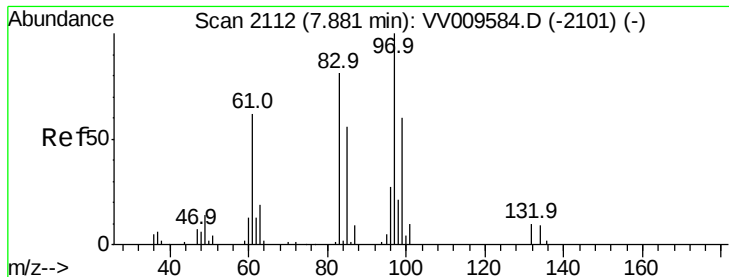
Tgt Ion: 63 Resp: 5137
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.633 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009592.D
 Acq: 11 Mar 2019 14:03

Tgt Ion: 75 Resp: 1677
 Ion Ratio Lower Upper
 75 100
 77 40.6 21.4 39.8#





#46

1,1,2-Trichloroethane

Concen: 1.394 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV009592.D

Acq: 11 Mar 2019 14:03

Instrument :

MSVOA_V

ClientSampleId :

BF0Q0

Tgt Ion: 97 Resp: 1976

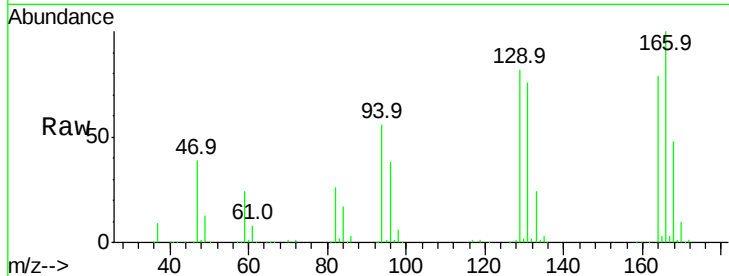
Ion Ratio Lower Upper

97 100

83 242.7 63.8 118.6#

85 46.9 39.5 73.4

99 12.2 45.9 85.3#

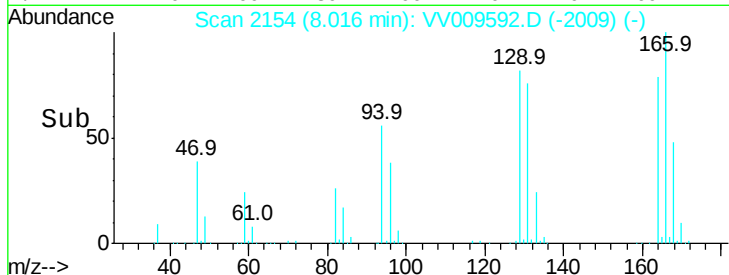


Abundance Ion 97.00 (96.70 to 97.70): VV0

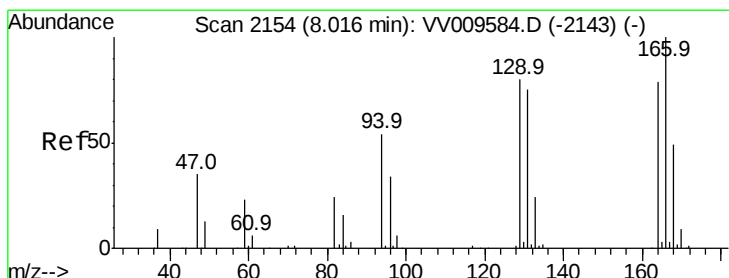
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



Time-->



#47

Tetrachloroethene

Concen: 143.425 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009592.D

Acq: 11 Mar 2019 14:03

Tgt Ion: 164 Resp: 206868

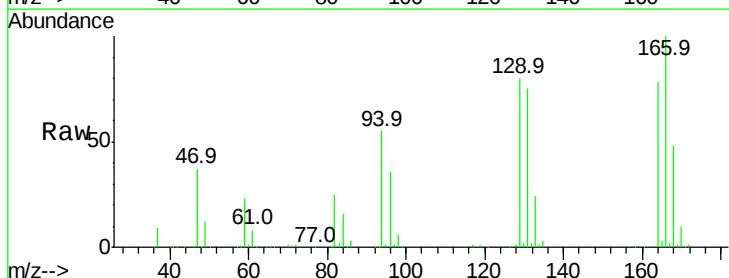
Ion Ratio Lower Upper

164 100

129 102.0 67.7 125.7

131 95.3 67.5 125.3

166 127.5 81.6 151.6

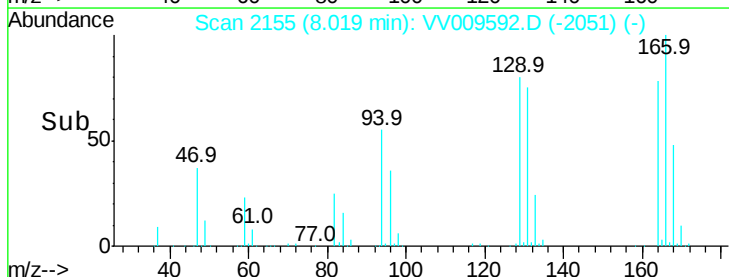


Abundance Ion 164.00 (163.70 to 164.70): V

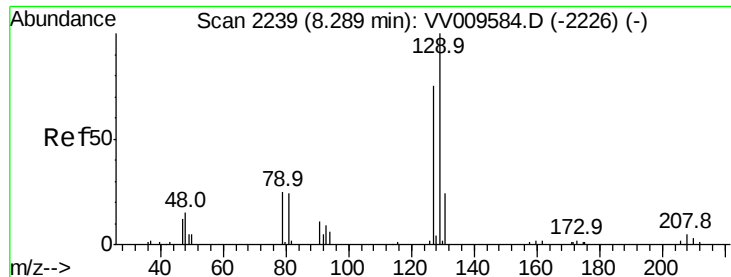
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



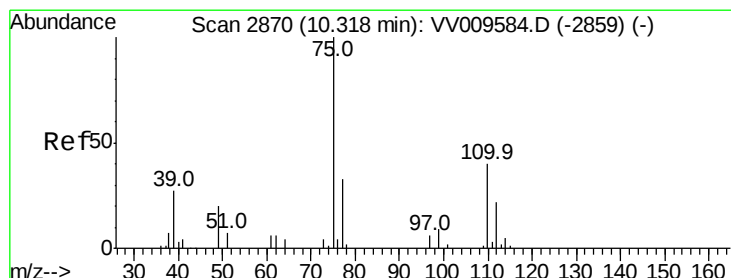
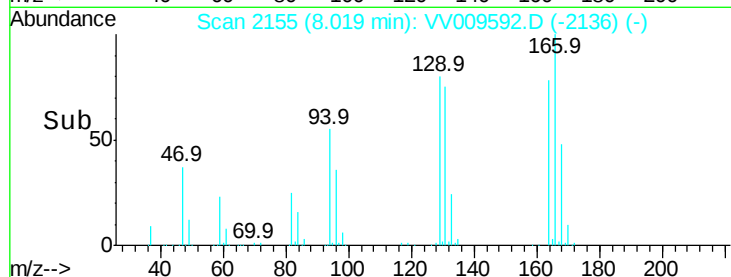
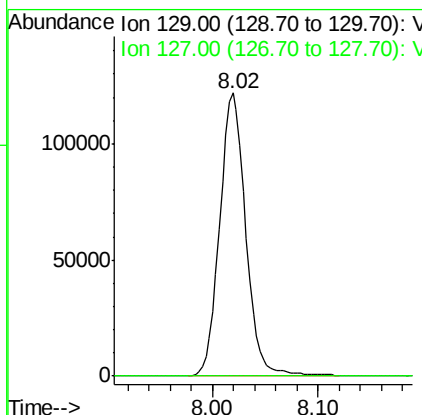
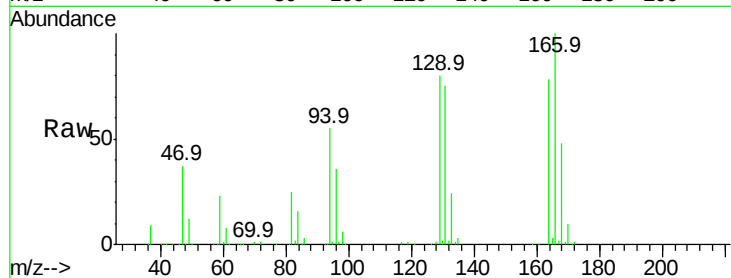
Time-->



#50
 Dibromochloromethane
 Concen: 121.782 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV009592.D
 Acq: 11 Mar 2019 14:03

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0Q0

Tgt Ion:129 Resp: 208986
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.7 99.7#



#59
 1,2,3-Trichloropropane
 Concen: 5.293 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.97 min
 Lab File: VV009592.D
 Acq: 11 Mar 2019 14:03

Tgt Ion: 75 Resp: 7636
 Ion Ratio Lower Upper
 75 100
 77 40.1 25.9 38.9#

