

Data File : VV009910.D
Acq On : 26 Mar 2019 22:31
Operator : SY/MD
Sample : K2101-03
Misc : 6.08G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0K1

Quant Time: Mar 27 01:49:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 01:42:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	148409	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	147056	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63005	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71114	23.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.44%
7) Chloroethane-d5	1.58	69	127652	39.24	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	156.96%#
10) 1,1-Dichloroethene-d2	2.13	63	146002	17.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.88%
20) 2-Butanone-d5	3.95	46	23036	41.05	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.10%
24) Chloroform-d	4.40	84	91971	24.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	5.08	65	52296	22.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.92%
29) Benzene-d6	5.10	84	184815	23.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.72%
33) 1,2-Dichloropropane-d6	6.12	67	55546	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.32%
37) Toluene-d8	7.36	98	162373	22.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.84%
38) trans-1,3-Dichloropropene-	7.66	79	17426	18.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.40%
39) 2-Hexanone-d5	8.14	63	16619	39.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.82%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44292	19.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	56959	23.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.96%

Target Compounds

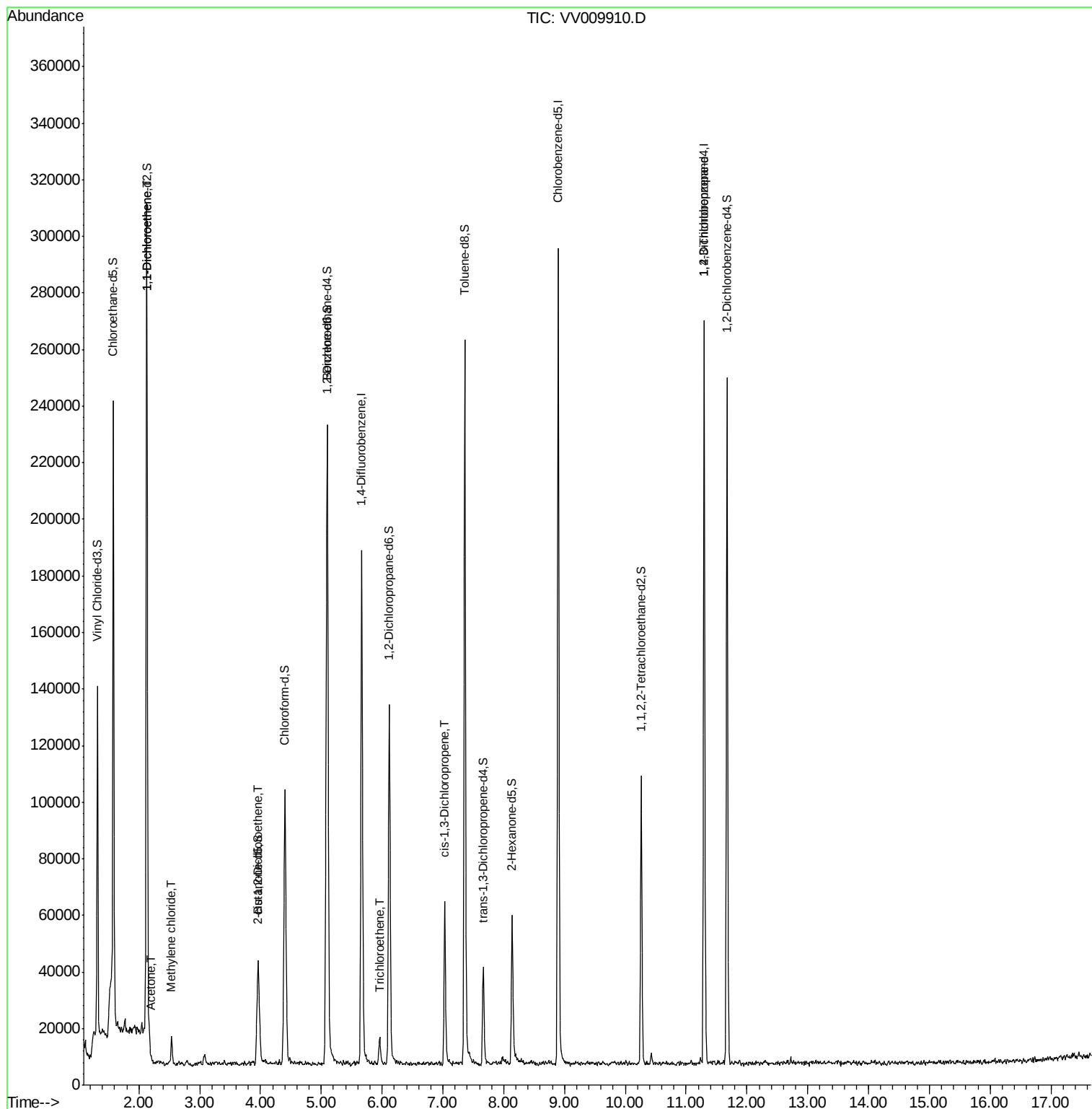
					Qvalue
12) 1,1-Dichloroethene	2.13	96	1544	0.425 ug/L #	1
13) Acetone	2.20	43	1730	2.036 ug/L	92
16) Methylene chloride	2.54	84	3607	1.476 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	13157	6.128 ug/L	95
35) Trichloroethene	5.96	95	2791	1.310 ug/L	86
42) cis-1,3-Dichloropropene	7.03	75	1777	0.604 ug/L #	1
59) 1,2,3-Trichloropropane	11.30	75	10337	6.367 ug/L	93

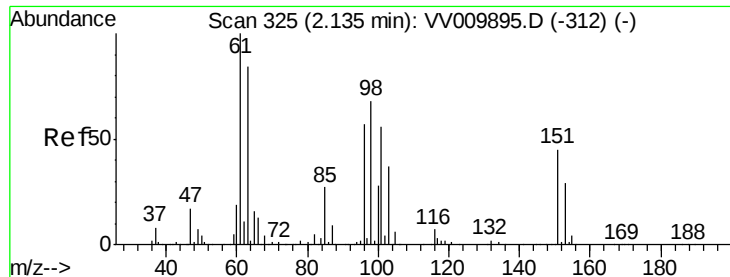
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.425 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV009910.D

Acq: 26 Mar 2019 22:31

Instrument :

MSVOA_V

ClientSampleId :

BF0K1

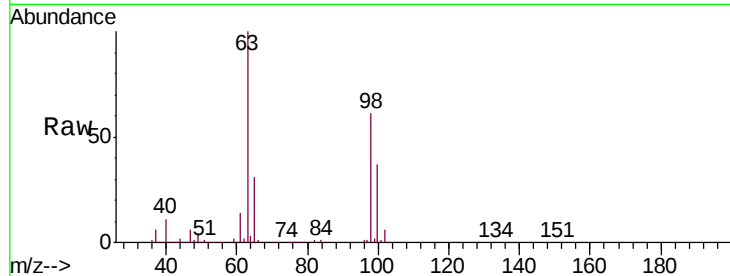
Tgt Ion: 96 Resp: 1544

Ion Ratio Lower Upper

96 100

61 1434.6 124.3 230.8#

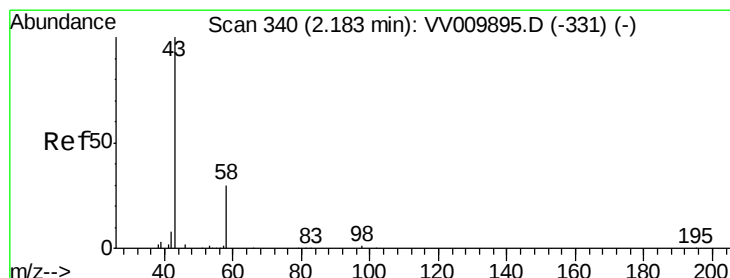
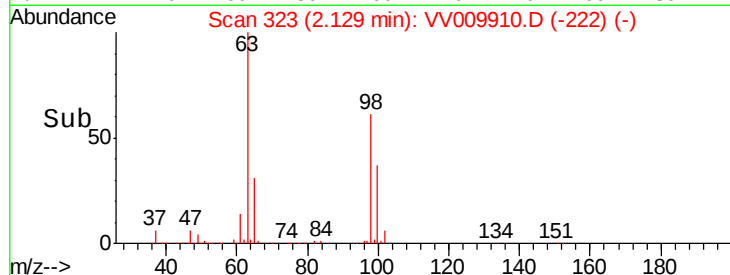
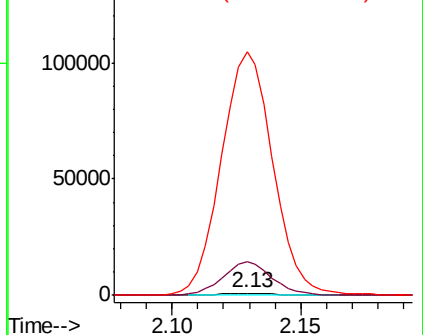
63 10395.2 88.2 163.8#



Abundance Ion 96.00 (95.70 to 96.70): VV009910.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009910.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009910.D (-222) (-)



#13

Acetone

Concen: 2.036 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.02 min

Lab File: VV009910.D

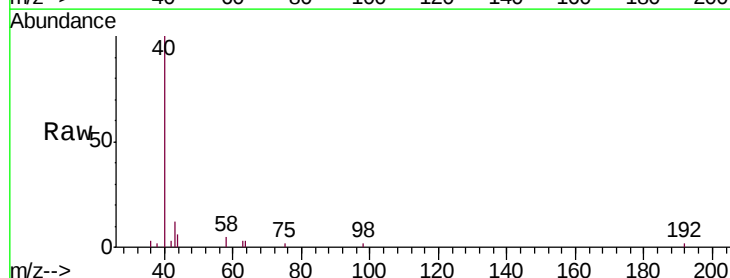
Acq: 26 Mar 2019 22:31

Tgt Ion: 43 Resp: 1730

Ion Ratio Lower Upper

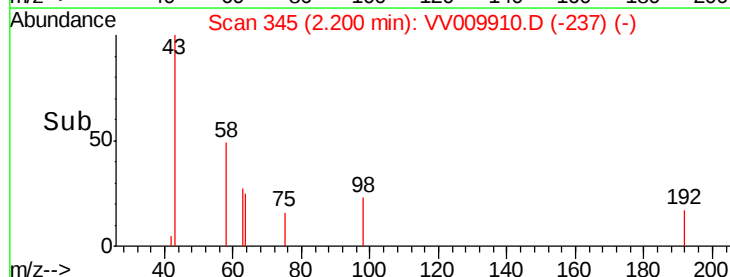
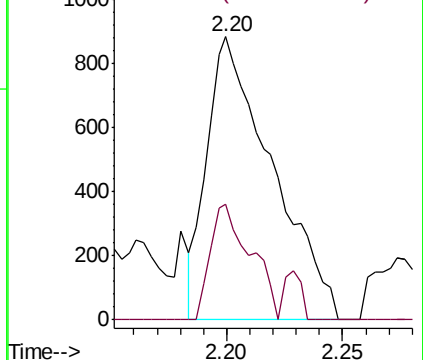
43 100

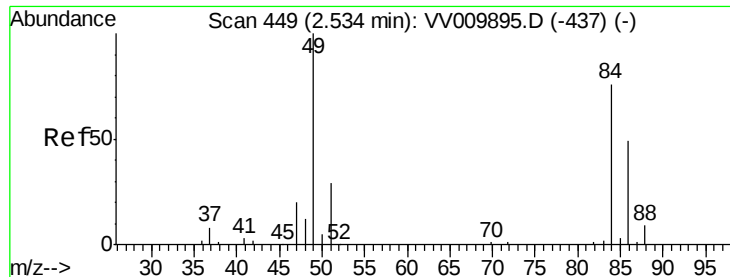
58 25.4 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009910.D (-237) (-)

Ion 58.00 (57.70 to 58.70): VV009910.D (-237) (-)

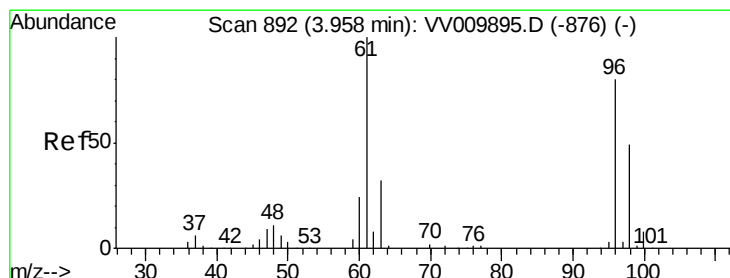
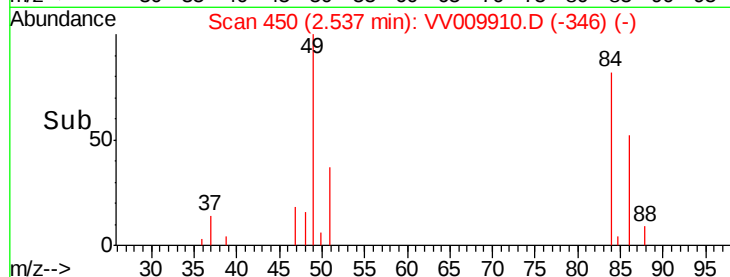
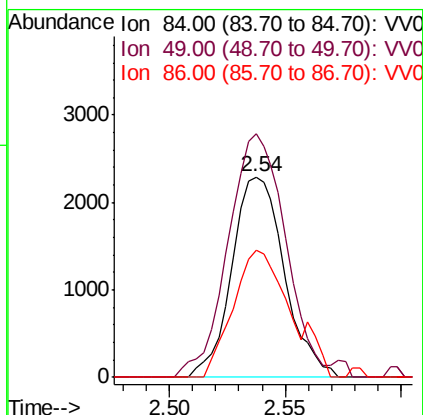
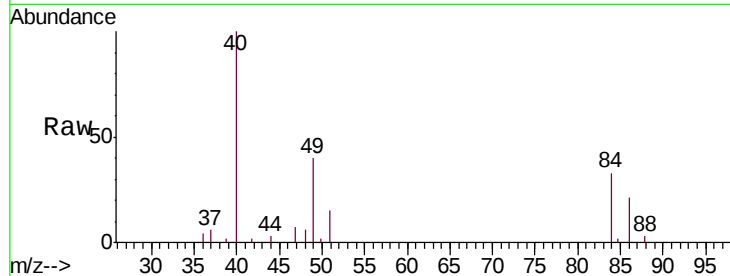




#16
Methylene chloride
Concen: 1.476 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009910.D
Acq: 26 Mar 2019 22:31

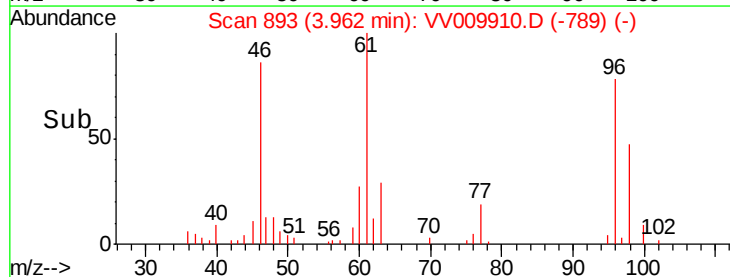
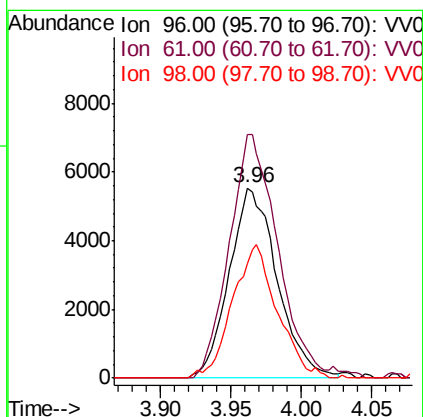
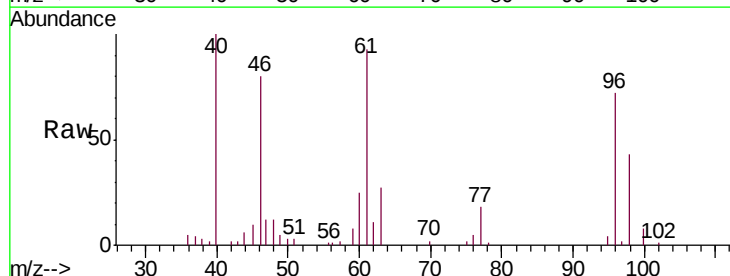
Instrument :
MSVOA_V
ClientSampleId :
BF0K1

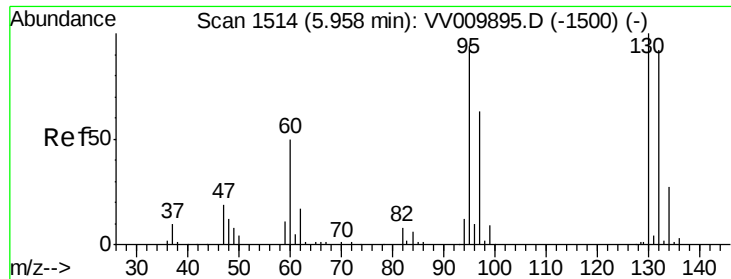
Tgt Ion: 84 Resp: 3607
Ion Ratio Lower Upper
84 100
49 115.8 90.4 167.8
86 60.4 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 6.128 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009910.D
Acq: 26 Mar 2019 22:31

Tgt Ion: 96 Resp: 13157
Ion Ratio Lower Upper
96 100
61 128.0 91.4 169.8
98 59.9 48.0 89.2





#35

Trichloroethene

Concen: 1.310 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009910.D

Acq: 26 Mar 2019 22:31

Instrument :

MSVOA_V

ClientSampleId :

BF0K1

Tgt Ion: 95 Resp: 2791

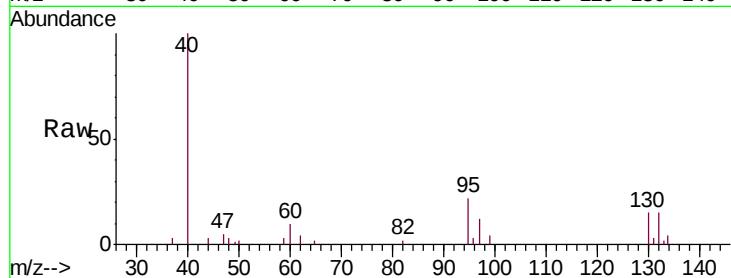
Ion Ratio Lower Upper

95 100

97 49.7 46.3 85.9

132 91.3 69.3 128.7

130 84.8 69.5 129.1

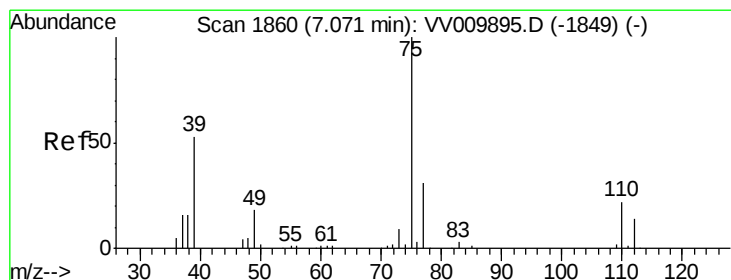
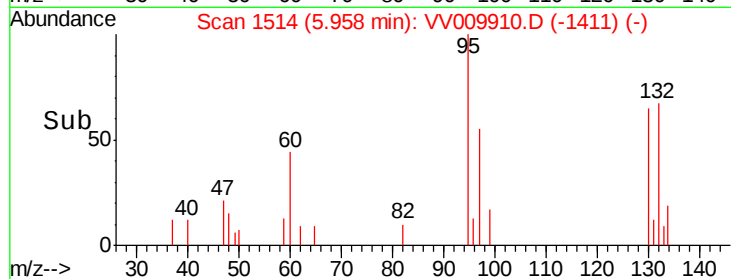
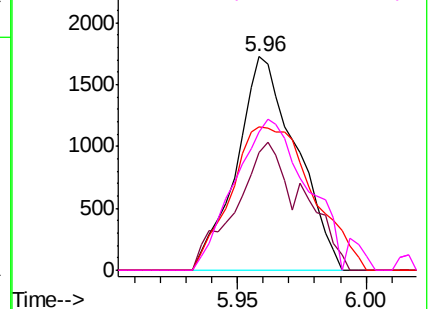


Abundance Ion 95.00 (94.70 to 95.70): VV009910.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009910.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009910.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009910.D (-1500) (-)



#42

cis-1,3-Dichloropropene

Concen: 0.604 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009910.D

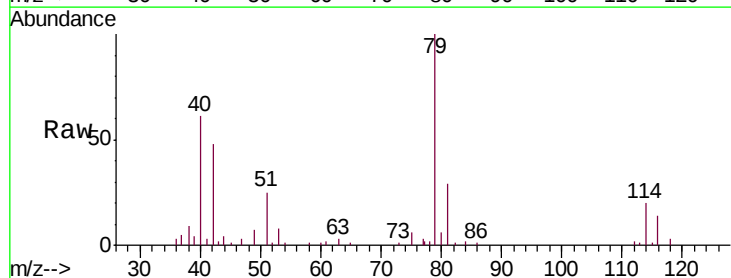
Acq: 26 Mar 2019 22:31

Tgt Ion: 75 Resp: 1777

Ion Ratio Lower Upper

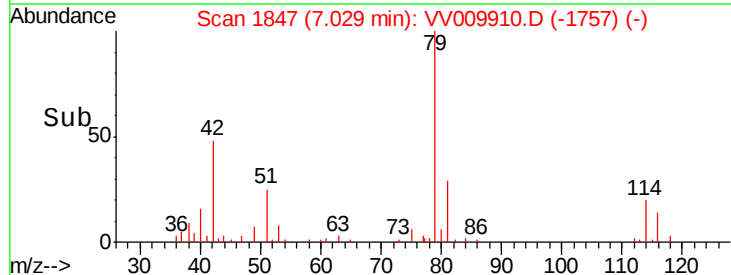
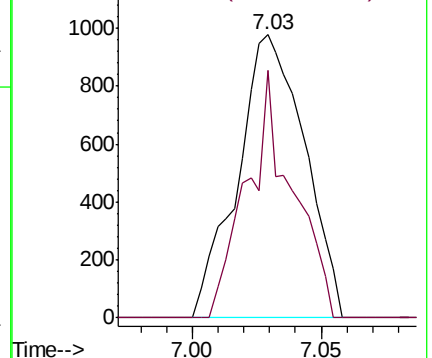
75 100

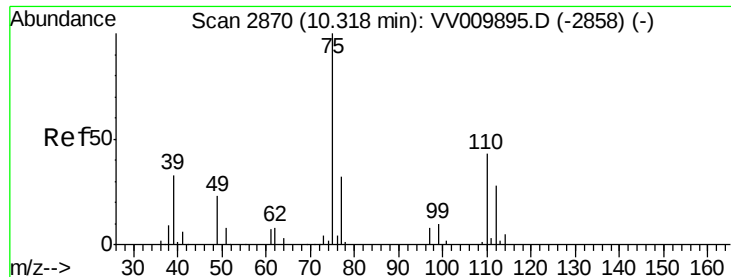
77 87.3 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV009910.D (-1849) (-)

Ion 77.00 (76.70 to 77.70): VV009910.D (-1849) (-)





#59

1,2,3-Trichloropropane

Concen: 6.367 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009910.D

Acq: 26 Mar 2019 22:31

Instrument :

MSVOA_V

ClientSampleId :

BF0K1

Tgt Ion: 75 Resp: 10337

Ion Ratio Lower Upper

75 100

77 36.8 26.2 39.2

