

Data File : VV009519.D
Acq On : 06 Mar 2019 15:19
Operator : SY/MD
Sample : K1720-03
Misc : 4.92G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF8A9

Quant Time: Mar 07 02:56:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 07 02:53:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	125122	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	114417	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45372	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34171	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.76%
7) Chloroethane-d5	1.58	69	63400	29.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.44%
10) 1,1-Dichloroethene-d2	2.12	63	71644	18.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.12%
20) 2-Butanone-d5	3.95	46	26705	52.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.06%
24) Chloroform-d	4.40	84	77894	26.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.52%
26) 1,2-Dichloroethane-d4	5.08	65	50250	29.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.52%
29) Benzene-d6	5.10	84	161662	28.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.12%
33) 1,2-Dichloropropane-d6	6.12	67	50984	30.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.96%#
37) Toluene-d8	7.36	98	147547	26.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.84%
38) trans-1,3-Dichloropropene-	7.66	79	20248	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.96%
39) 2-Hexanone-d5	8.14	63	20590	52.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	48385	27.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	44843	27.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.28%

Target Compounds

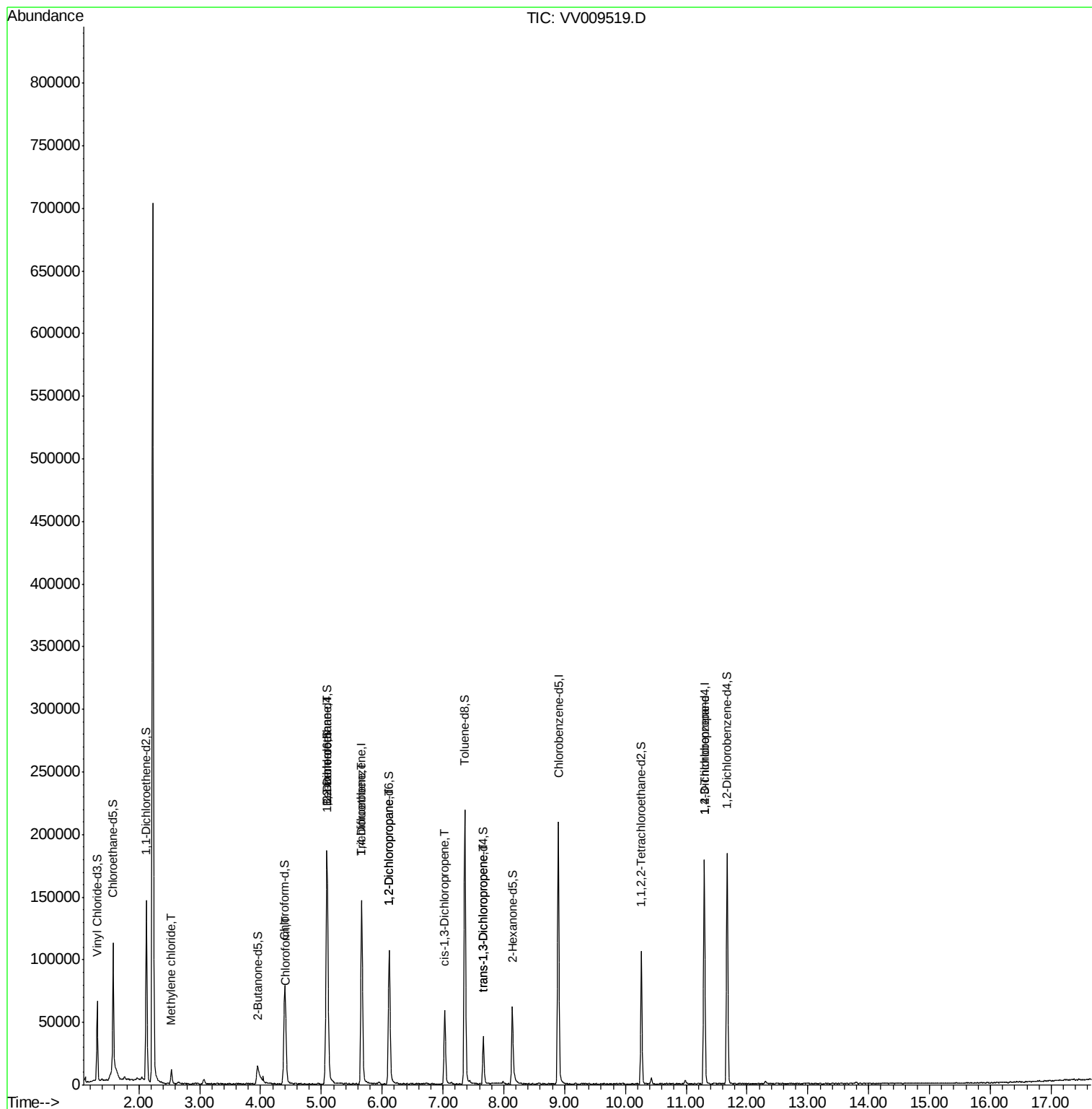
						Qvalue
16) Methylene chloride	2.53	84	4602	2.803	ug/L	97
25) Chloroform	4.43	83	3485	1.186	ug/L #	72
27) 1,2-Dichloroethane	5.10	62	957	0.469	ug/L #	77
35) Trichloroethene	5.66	95	3692	2.173	ug/L #	6
40) 1,2-Dichloropropane	6.12	63	5963	3.912	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1840	0.777	ug/L #	62
45) trans-1,3-Dichloropropene	7.66	75	1167	0.565	ug/L	94
59) 1,2,3-Trichloropropane	11.30	75	6345	4.922	ug/L #	87

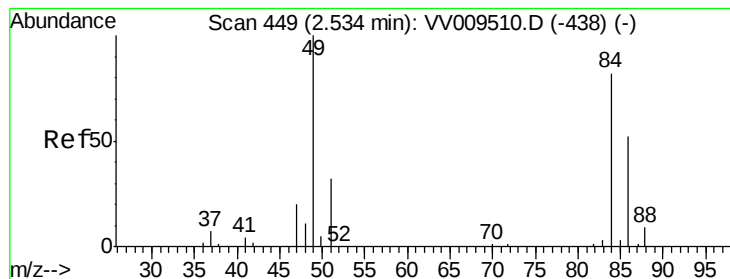
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 07 02:53:16 2019
Response via : Initial Calibration





#16

Methylene chloride

Concen: 2.803 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

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Acq: 06 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

BF8A9

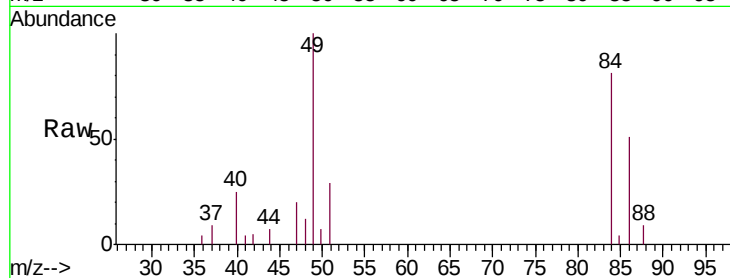
Tgt Ion: 84 Resp: 4602

Ion Ratio Lower Upper

84 100

49 124.0 84.6 157.0

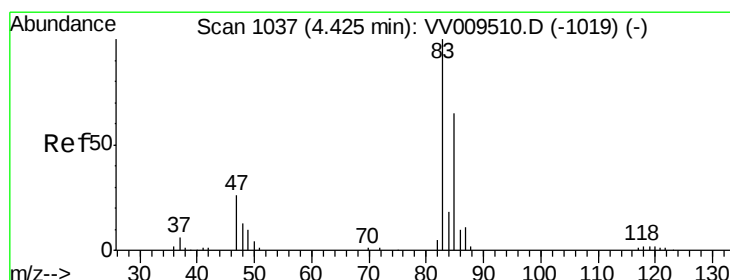
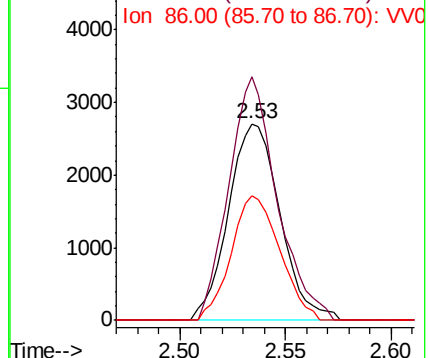
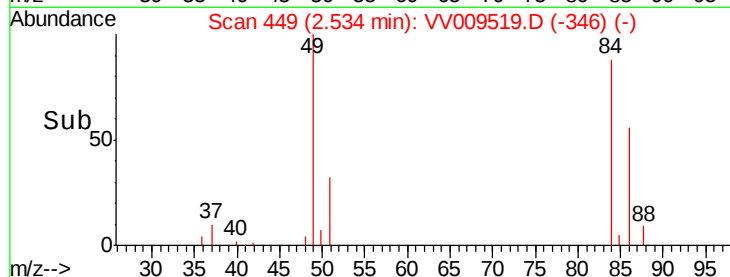
86 63.6 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



#25

Chloroform

Concen: 1.186 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

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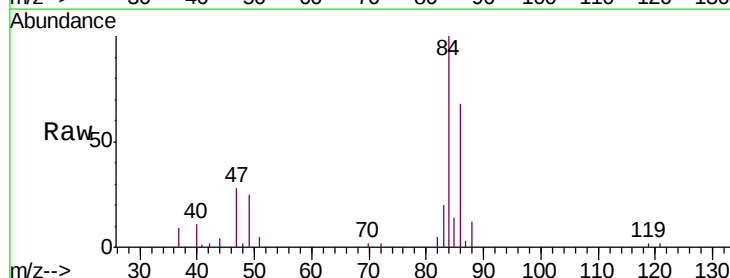
Acq: 06 Mar 2019 15:19

Tgt Ion: 83 Resp: 3485

Ion Ratio Lower Upper

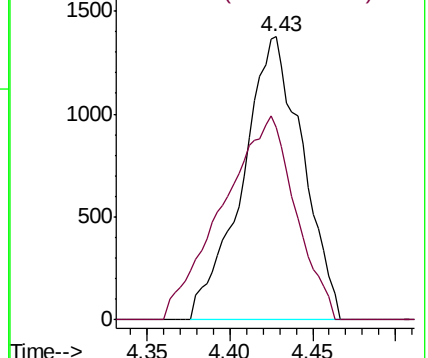
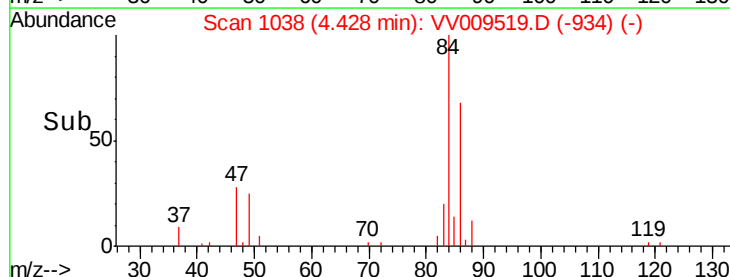
83 100

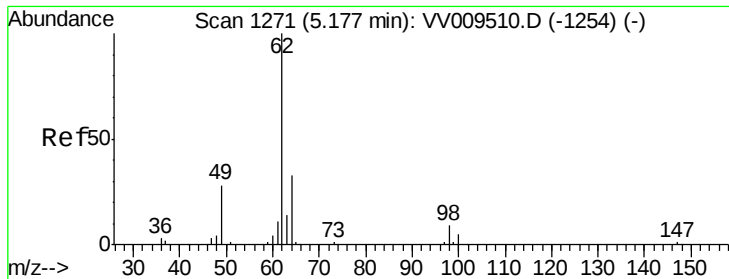
85 87.0 45.4 84.2#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.469 ug/L

RT: 5.10 min Scan# 1248

Delta R.T. -0.07 min

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Acq: 06 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

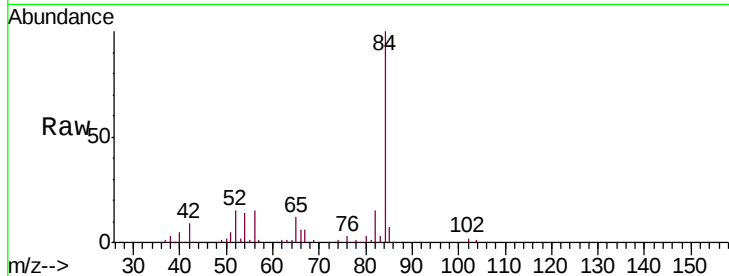
BF8A9

Tgt Ion: 62 Resp: 957

Ion Ratio Lower Upper

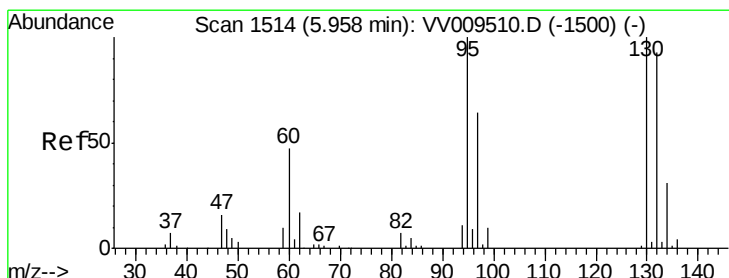
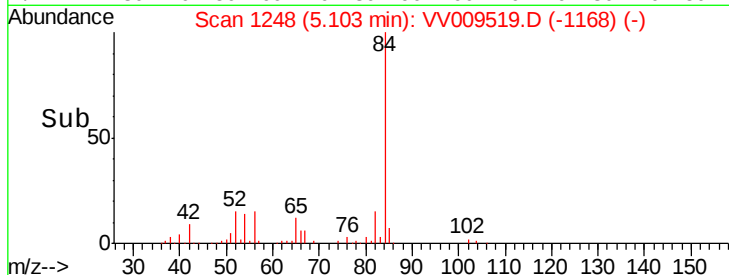
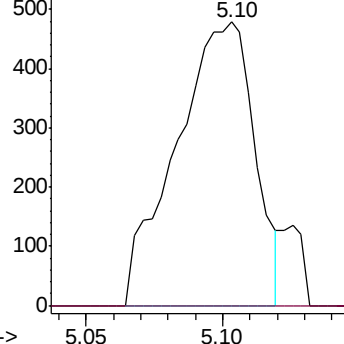
62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009510.D (-1254) (-)

Ion 98.00 (97.70 to 98.70): VV009510.D (-1254) (-)



#35

Trichloroethene

Concen: 2.173 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV009519.D

Acq: 06 Mar 2019 15:19

Tgt Ion: 95 Resp: 3692

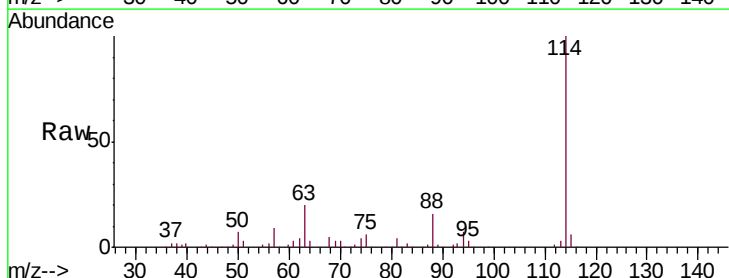
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#

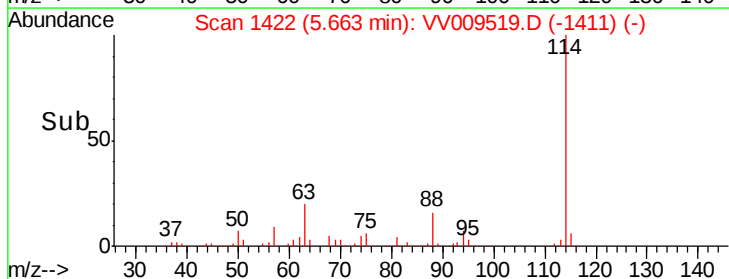
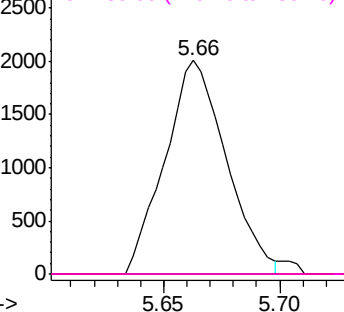


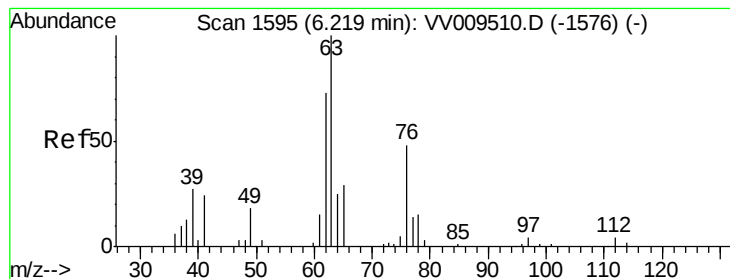
Abundance Ion 95.00 (94.70 to 95.70): VV009510.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009510.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009510.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009510.D (-1500) (-)





#40

1,2-Dichloropropane

Concen: 3.912 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009519.D

Acq: 06 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

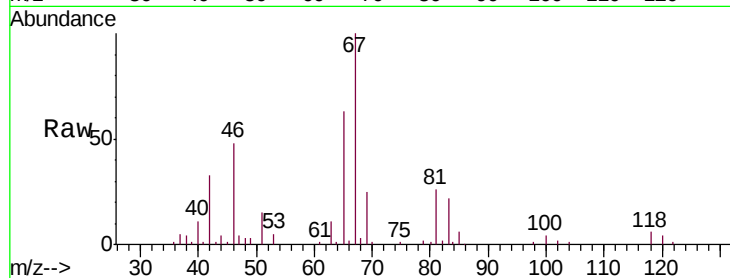
BF8A9

Tgt Ion: 63 Resp: 5963

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV009519.D (-1492) (-)

Ion 112.00 (111.70 to 112.70): VV009519.D (-1492) (-)

6.12

3000

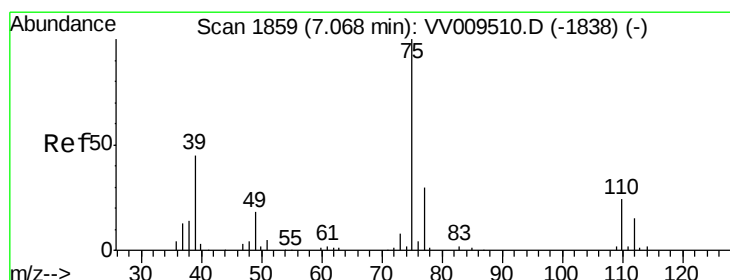
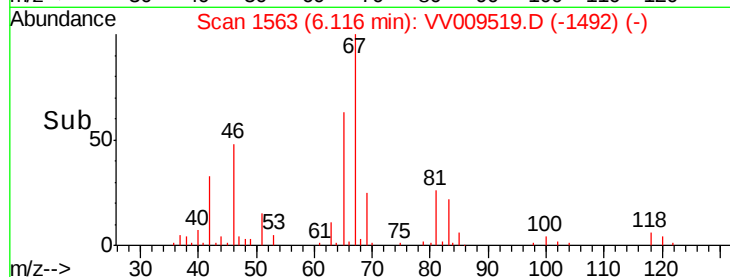
2000

1000

0

6.05 6.10 6.15

Time-->



#42

cis-1,3-Dichloropropene

Concen: 0.777 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009519.D

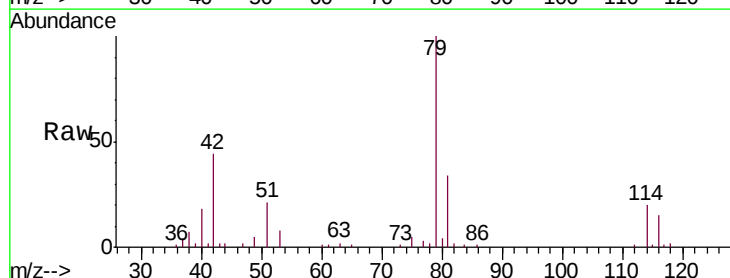
Acq: 06 Mar 2019 15:19

Tgt Ion: 75 Resp: 1840

Ion Ratio Lower Upper

75 100

77 51.2 21.4 39.8#



Abundance Ion 75.00 (74.70 to 75.70): VV009519.D (-1756) (-)

Ion 77.00 (76.70 to 77.70): VV009519.D (-1756) (-)

7.03

1200

1000

800

600

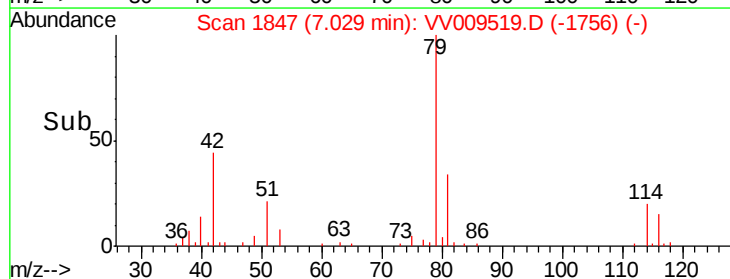
400

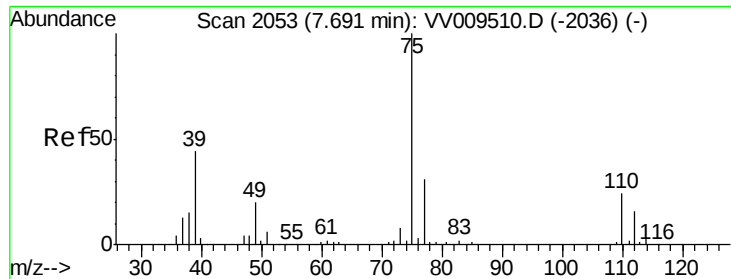
200

0

7.00 7.02 7.04 7.06

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.565 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009519.D

Acq: 06 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

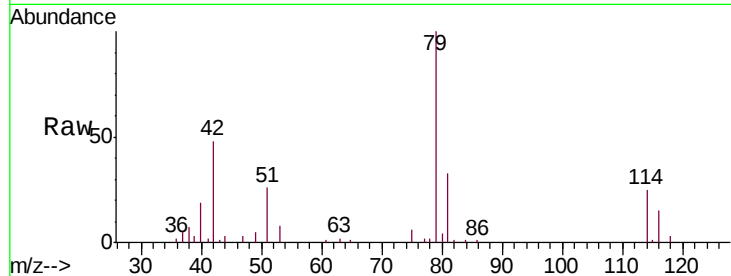
BF8A9

Tgt Ion: 75 Resp: 1167

Ion Ratio Lower Upper

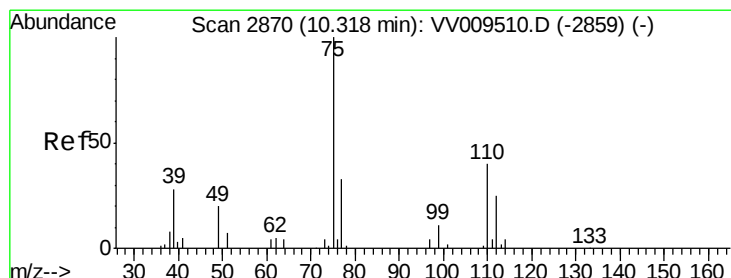
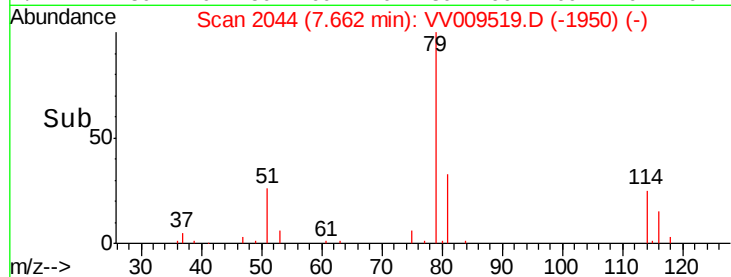
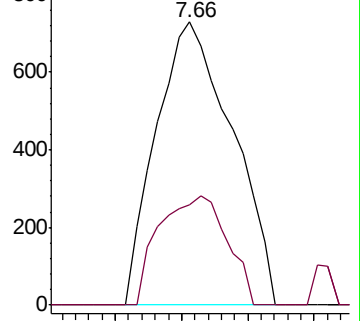
75 100

77 35.7 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane

Concen: 4.922 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009519.D

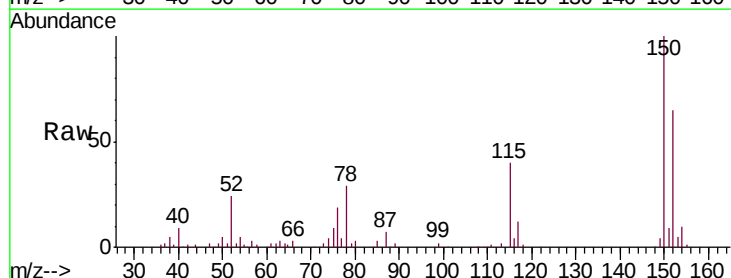
Acq: 06 Mar 2019 15:19

Tgt Ion: 75 Resp: 6345

Ion Ratio Lower Upper

75 100

77 39.8 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

