

Data File : VV009497.D
Acq On : 05 Mar 2019 20:33
Operator : SY/MD
Sample : K1662-12
Misc : 5.67G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFC65

Quant Time: Mar 06 04:16:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 06 04:12:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	156790	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	151622	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66667	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43020	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.16%
7) Chloroethane-d5	1.58	69	78294	28.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.72%
10) 1,1-Dichloroethene-d2	2.13	63	92862	18.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.64%
20) 2-Butanone-d5	3.95	46	31868	49.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.10%
24) Chloroform-d	4.40	84	103115	27.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.44%
26) 1,2-Dichloroethane-d4	5.08	65	62740	29.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.12%
29) Benzene-d6	5.10	84	208505	27.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.08%
33) 1,2-Dichloropropane-d6	6.12	67	66034	29.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.20%
37) Toluene-d8	7.36	98	201950	27.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.32%
38) trans-1,3-Dichloropropene-	7.67	79	28769	26.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.16%
39) 2-Hexanone-d5	8.14	63	26057	50.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.76%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61313	25.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.84%
61) 1,2-Dichlorobenzene-d4	11.68	152	69180	28.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.72%

Target Compounds

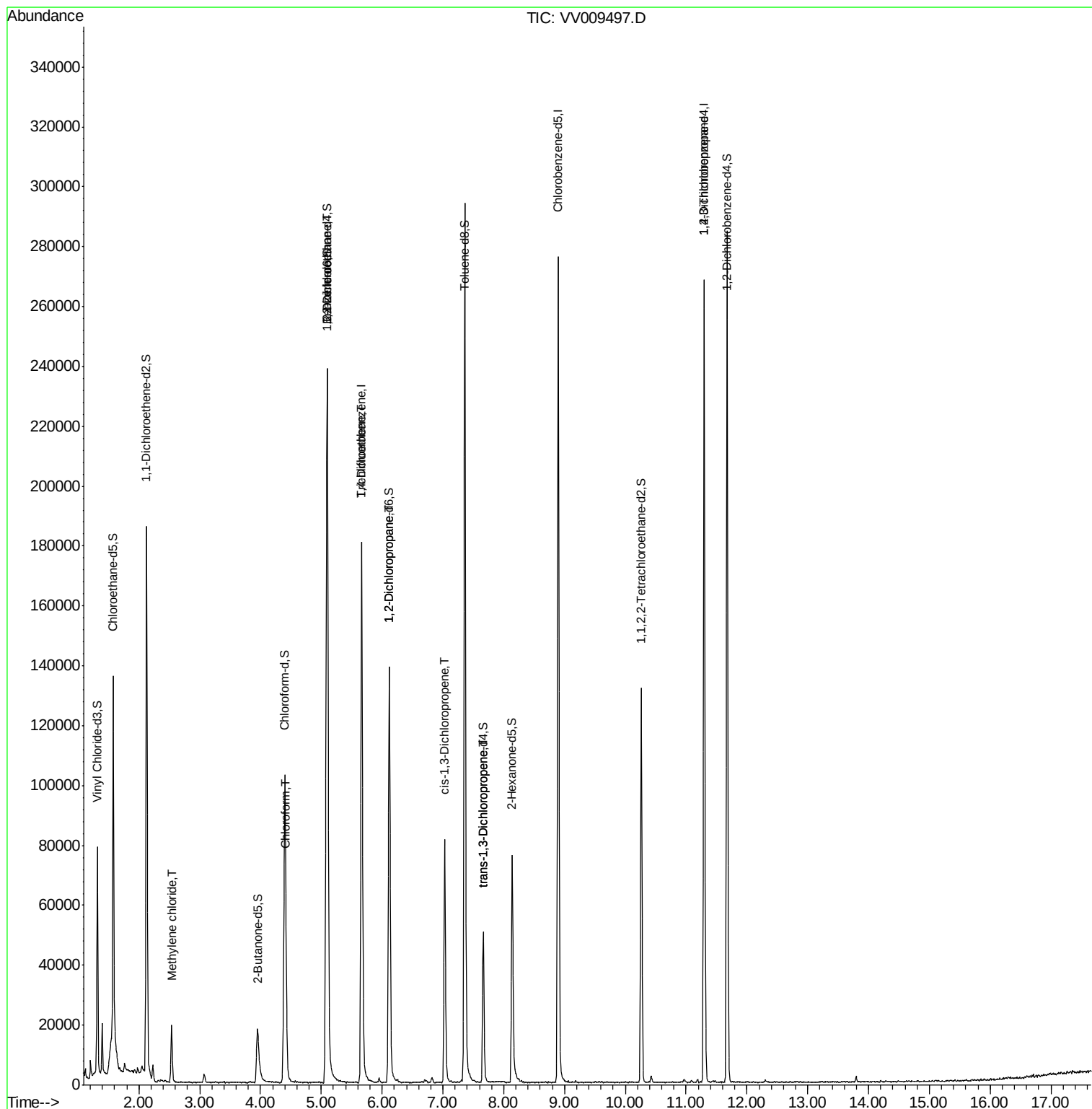
						Qvalue
16) Methylene chloride	2.54	84	8294	4.031	ug/L	93
25) Chloroform	4.43	83	3243	0.881	ug/L #	27
27) 1,2-Dichloroethane	5.10	62	1185	0.463	ug/L #	77
35) Trichloroethene	5.66	95	4647	2.064	ug/L #	6
40) 1,2-Dichloropropane	6.12	63	7799	3.861	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	2468	0.787	ug/L #	72
45) trans-1,3-Dichloropropene	7.67	75	1630	0.595	ug/L	92
59) 1,2,3-Trichloropropane	11.30	75	9634	5.640	ug/L	91

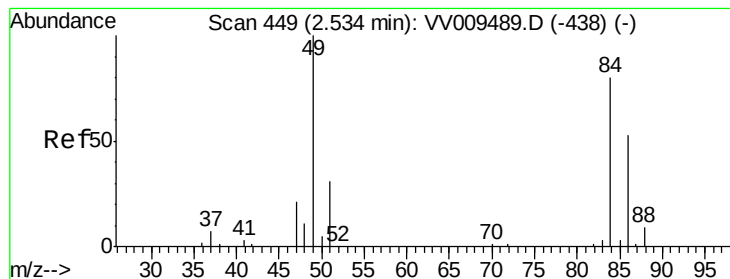
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Methylene chloride

Concen: 4.031 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

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Acq: 05 Mar 2019 20:33

Instrument :

MSVOA_V

ClientSampled :

BFC65

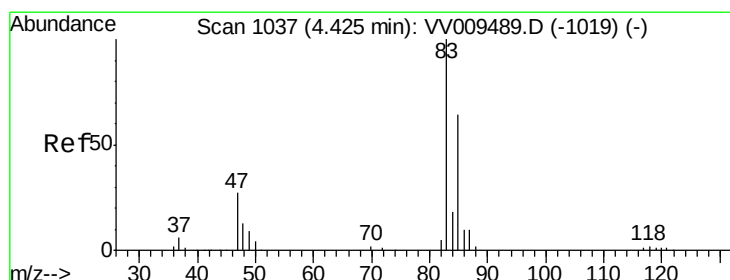
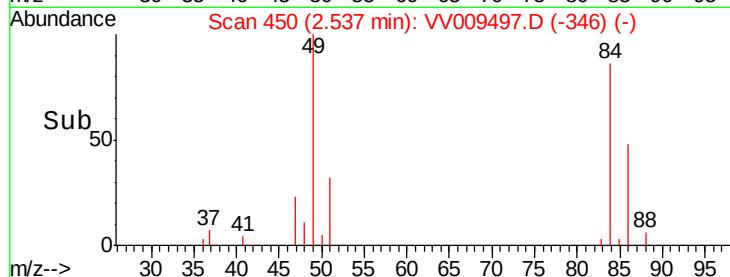
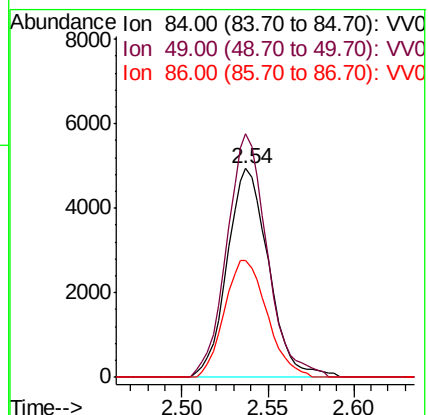
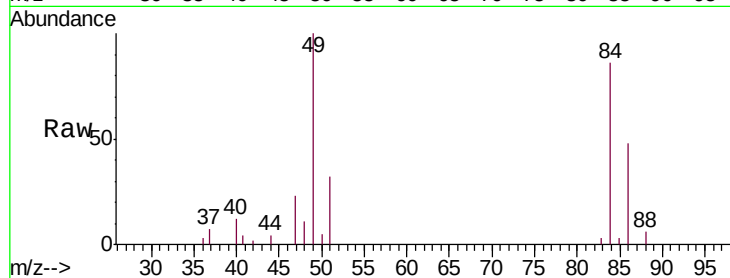
Tgt Ion: 84 Resp: 8294

Ion Ratio Lower Upper

84 100

49 116.5 84.6 157.0

86 55.7 46.1 85.7



#25

Chloroform

Concen: 0.881 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV009497.D

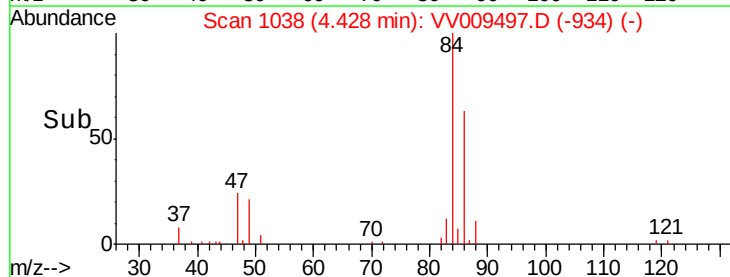
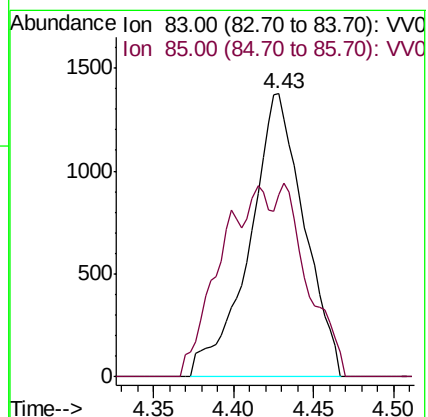
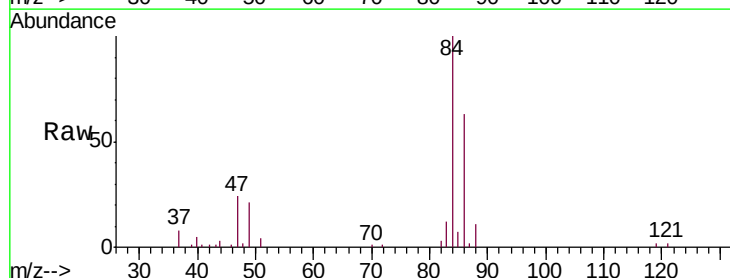
Acq: 05 Mar 2019 20:33

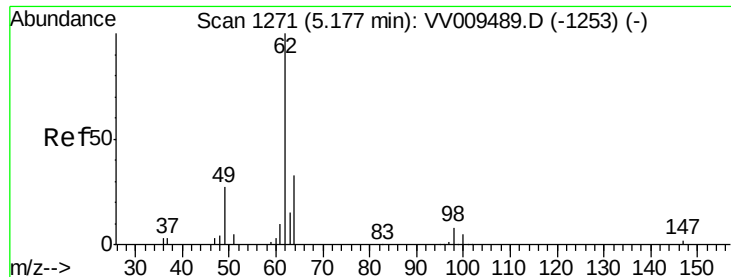
Tgt Ion: 83 Resp: 3243

Ion Ratio Lower Upper

83 100

85 7.7 45.4 84.2#





#27

1,2-Dichloroethane

Concen: 0.463 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.08 min

Lab File: VV009497.D

Acq: 05 Mar 2019 20:33

Instrument :

MSVOA_V

ClientSampleId :

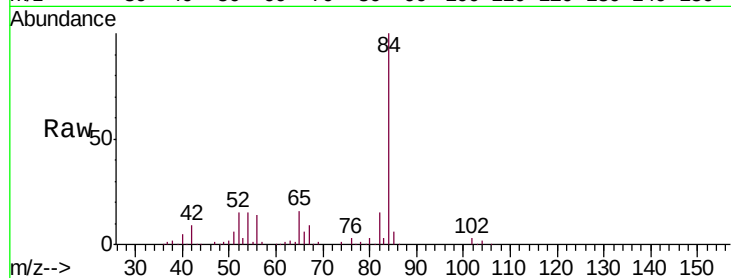
BFC65

Tgt Ion: 62 Resp: 1185

Ion Ratio Lower Upper

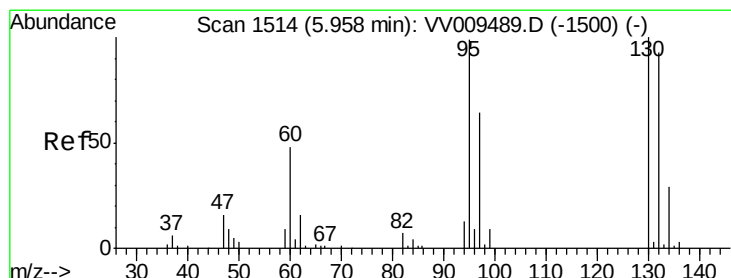
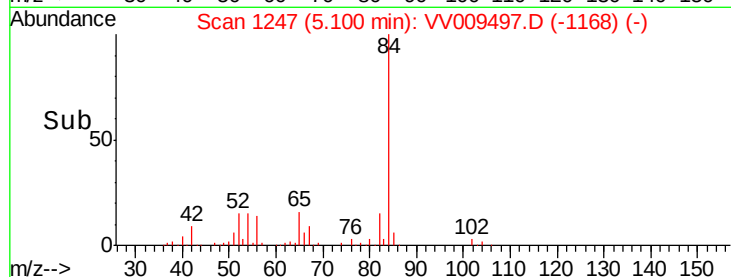
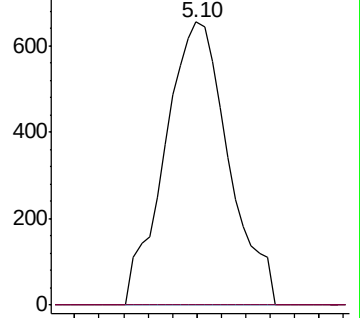
62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#35

Trichloroethene

Concen: 2.064 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV009497.D

Acq: 05 Mar 2019 20:33

Tgt Ion: 95 Resp: 4647

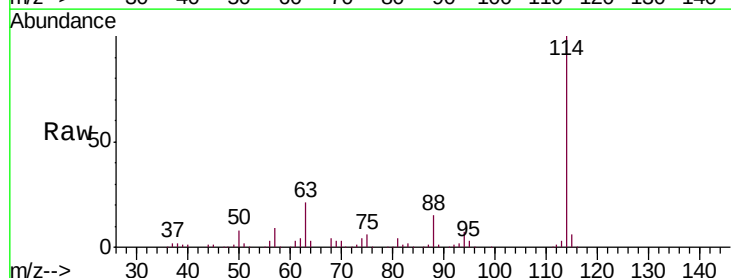
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#

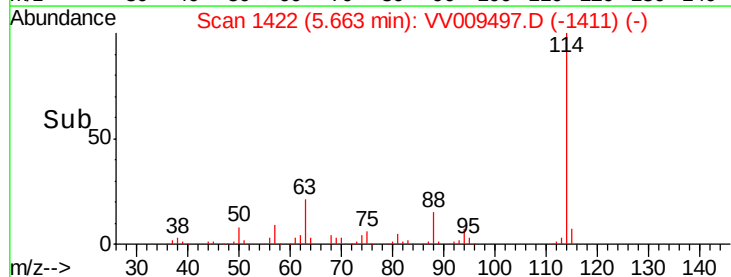
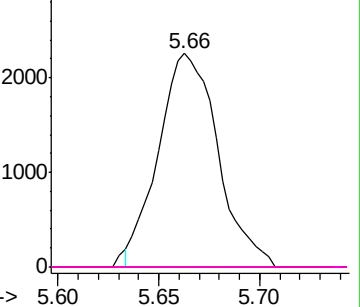


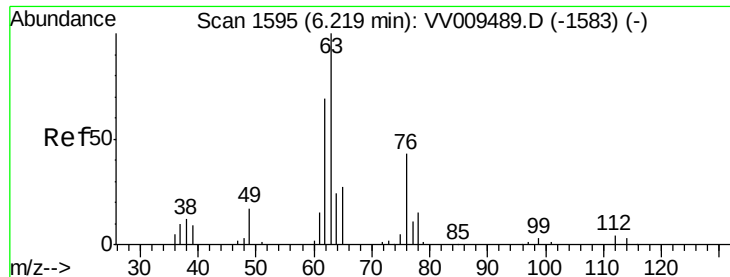
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

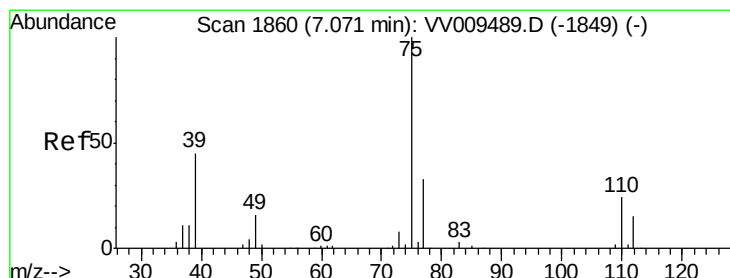
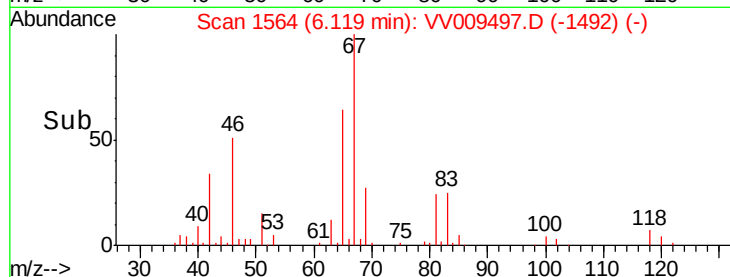
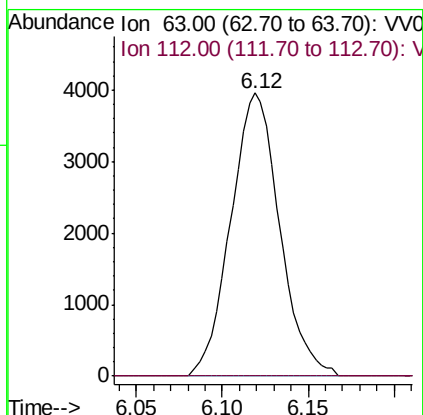
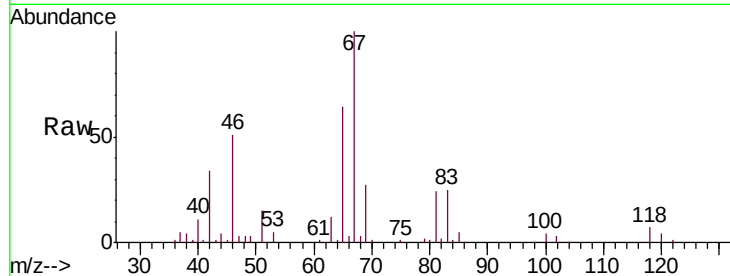




#40
 1,2-Dichloropropane
 Concen: 3.861 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009497.D
 Acq: 05 Mar 2019 20:33

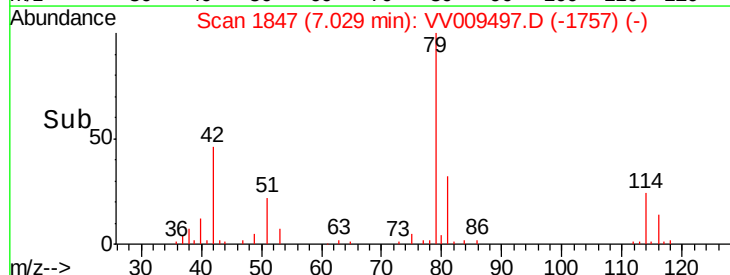
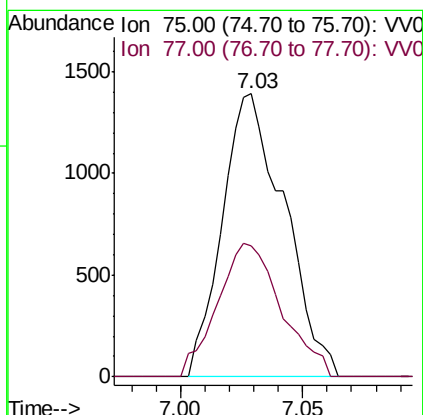
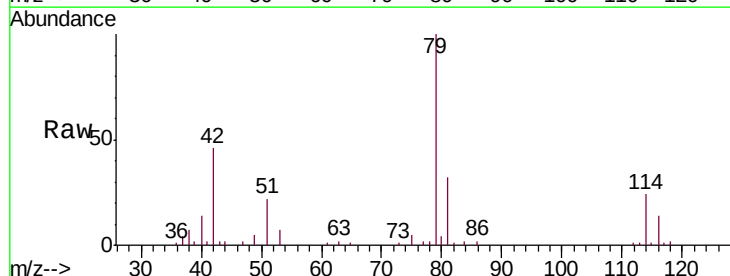
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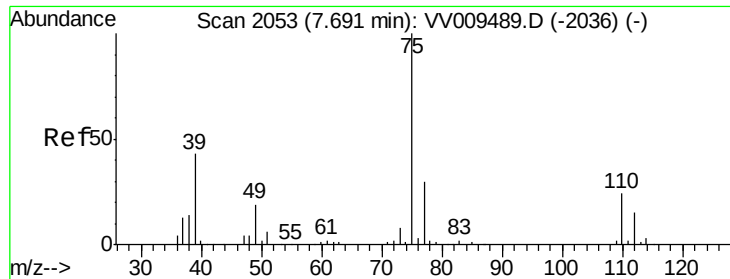
Tgt Ion: 63 Resp: 7799
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.787 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009497.D
 Acq: 05 Mar 2019 20:33

Tgt Ion: 75 Resp: 2468
 Ion Ratio Lower Upper
 75 100
 77 46.1 21.4 39.8#





#45

trans-1,3-Dichloropropene

Concen: 0.595 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009497.D

Acq: 05 Mar 2019 20:33

Instrument :

MSVOA_V

ClientSampleID :

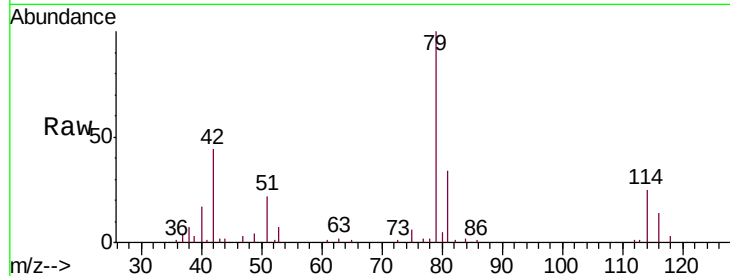
BFC65

Tgt Ion: 75 Resp: 1630

Ion Ratio Lower Upper

75 100

77 36.7 22.5 41.7

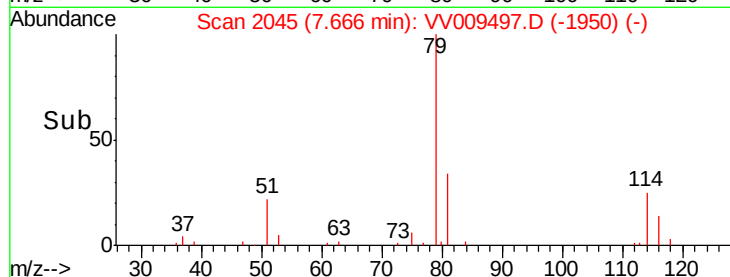


Abundance Ion 75.00 (74.70 to 75.70): VV009489.D (-2036) (-)

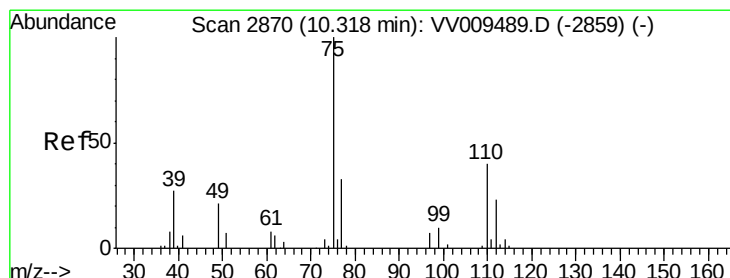
Ion 77.00 (76.70 to 77.70): VV009489.D (-2036) (-)

7.67

7.65 7.70



Time-->



#59

1,2,3-Trichloropropane

Concen: 5.640 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009497.D

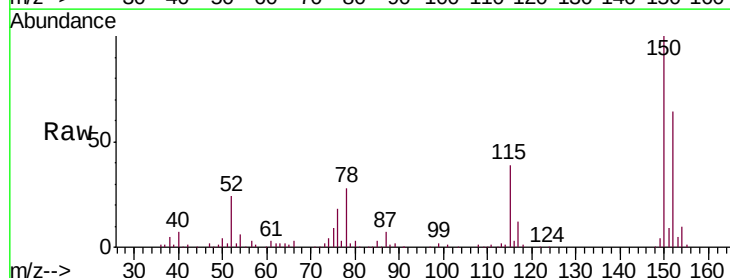
Acq: 05 Mar 2019 20:33

Tgt Ion: 75 Resp: 9634

Ion Ratio Lower Upper

75 100

77 37.7 25.9 38.9

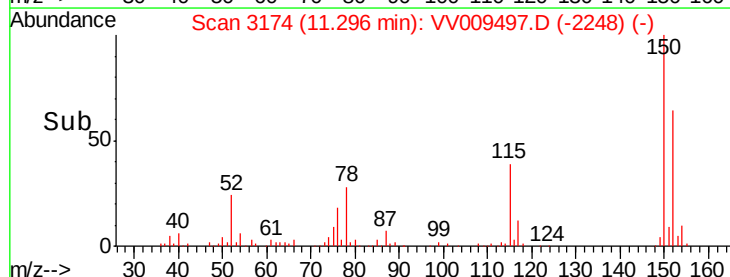


Abundance Ion 75.00 (74.70 to 75.70): VV009489.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009489.D (-2859) (-)

11.30

11.25 11.35



Time-->