

Data File : VV009393.D
Acq On : 27 Feb 2019 12:47
Operator : SY/MD
Sample : K1579-18
Misc : 5.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VHBLK01

Quant Time: Feb 28 04:35:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 28 04:32:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	177313	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	167573	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77097	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51526	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.40%
7) Chloroethane-d5	1.58	69	78852	27.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.76%
10) 1,1-Dichloroethene-d2	2.13	63	105429	17.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.48%
20) 2-Butanone-d5	3.95	46	36203	53.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.74%
24) Chloroform-d	4.40	84	105001	24.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.68%
26) 1,2-Dichloroethane-d4	5.08	65	64940	27.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.20%
29) Benzene-d6	5.10	84	217172	24.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.52%
33) 1,2-Dichloropropane-d6	6.12	67	66557	25.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.00%
37) Toluene-d8	7.36	98	210542	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	7.67	79	31180	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.60%
39) 2-Hexanone-d5	8.14	63	28524	51.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.26%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	65248	25.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	71073	24.89	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.56%

Target Compounds

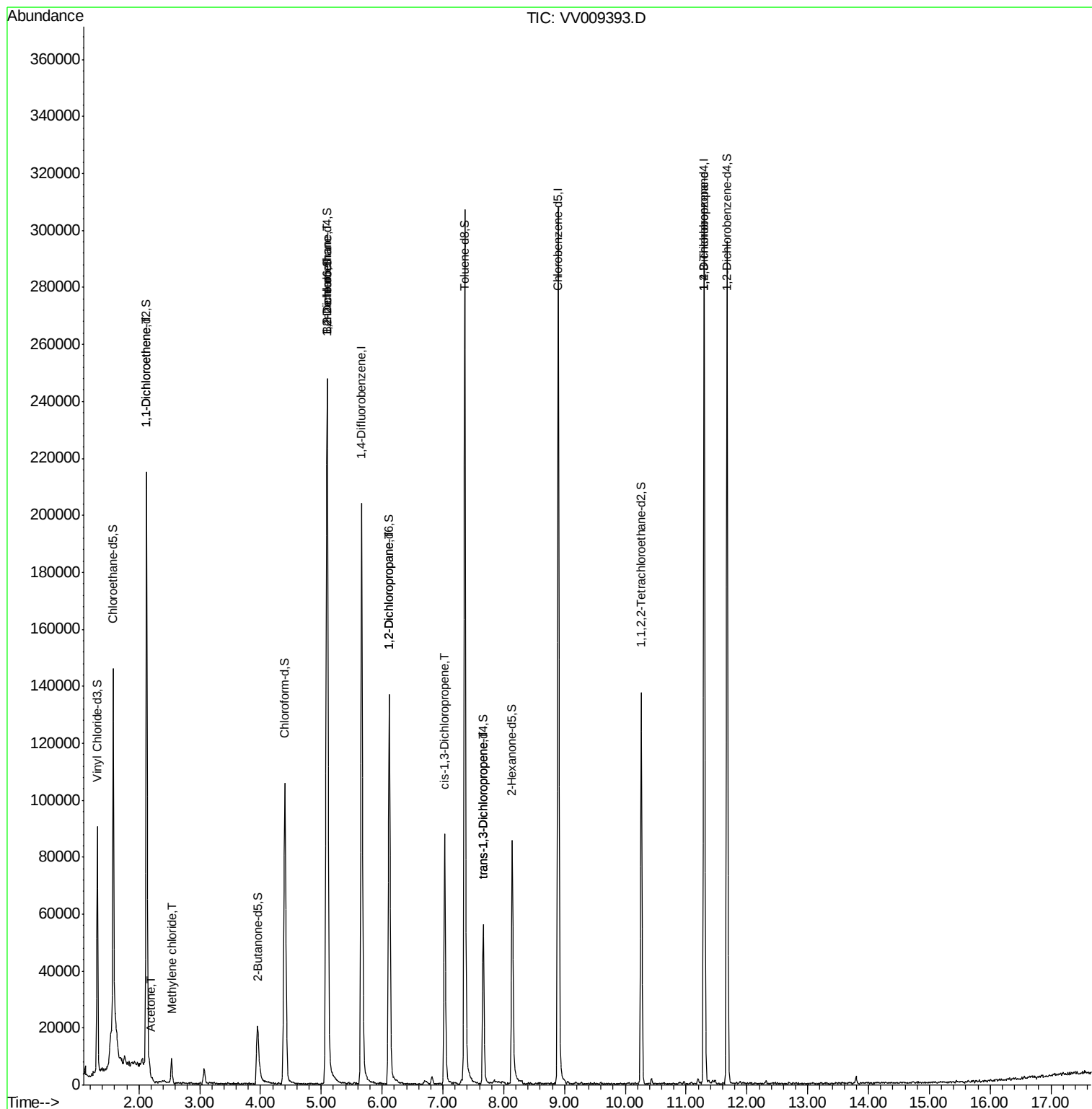
					Qvalue
12) 1,1-Dichloroethene	2.13	96	1104	0.434 ug/L #	1
13) Acetone	2.21	43	798	1.039 ug/L	98
16) Methylene chloride	2.53	84	3575	1.489 ug/L	98
27) 1,2-Dichloroethane	5.10	62	1186	0.401 ug/L #	77
40) 1,2-Dichloropropane	6.12	63	7543	3.250 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	2588	0.702 ug/L #	73
45) trans-1,3-Dichloropropene	7.67	75	1692	0.506 ug/L #	64
59) 1,2,3-Trichloropropane	11.30	75	11185	6.024 ug/L	92

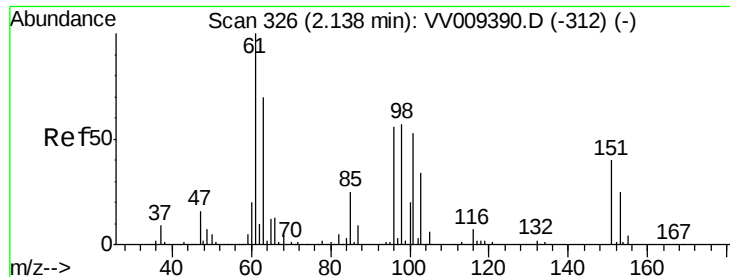
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.434 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

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Acq: 27 Feb 2019 12:47

Instrument :

MSVOA_V

ClientSampleId :

VHBLK01

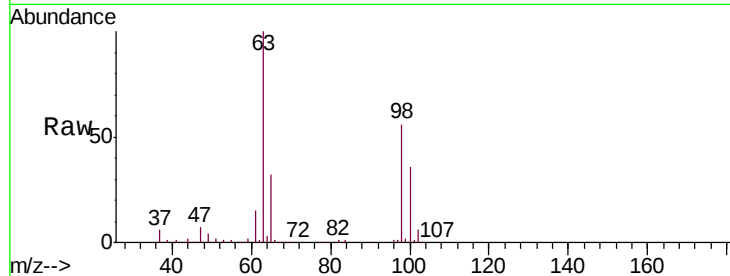
Tgt Ion: 96 Resp: 1104

Ion Ratio Lower Upper

96 100

61 1878.5 136.9 254.3#

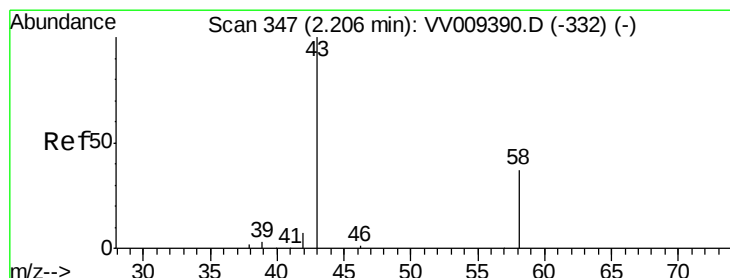
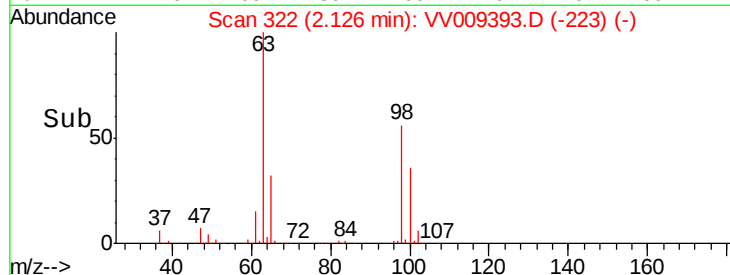
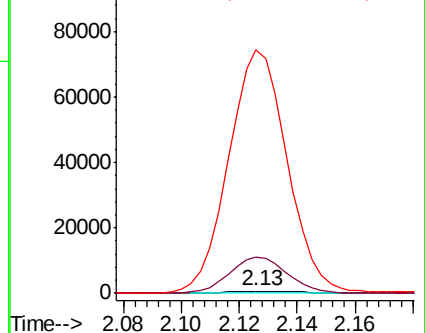
63 12489.9 108.7 201.9#



Abundance Ion 96.00 (95.70 to 96.70): VV009393.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV009393.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV009393.D (-223) (-)



#13

Acetone

Concen: 1.039 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV009393.D

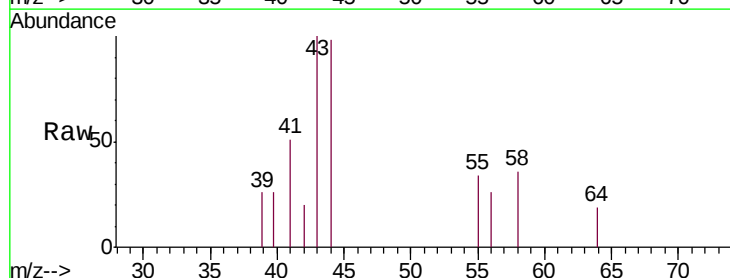
Acq: 27 Feb 2019 12:47

Tgt Ion: 43 Resp: 798

Ion Ratio Lower Upper

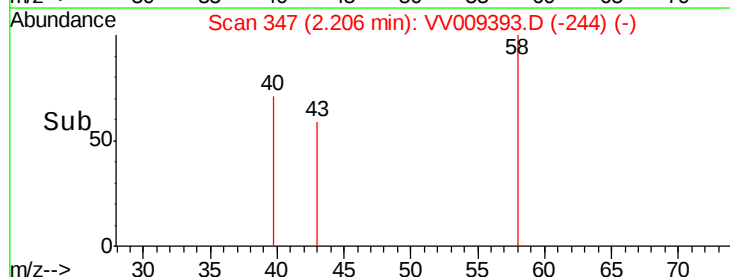
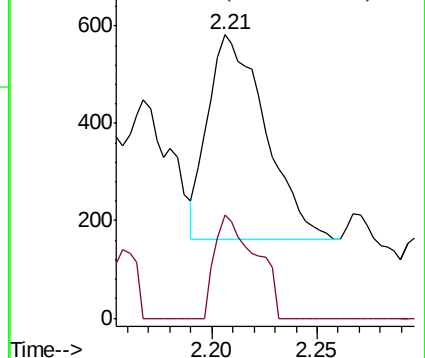
43 100

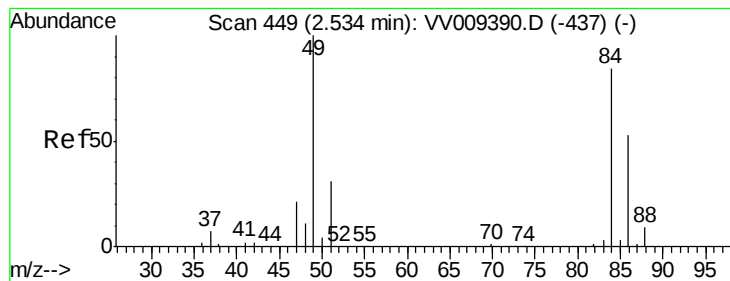
58 35.8 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009393.D (-244) (-)

Ion 58.00 (57.70 to 58.70): VV009393.D (-244) (-)





#16

Methylene chloride

Concen: 1.489 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009393.D

Acq: 27 Feb 2019 12:47

Instrument :

MSVOA_V

ClientSampleId :

VHBLK01

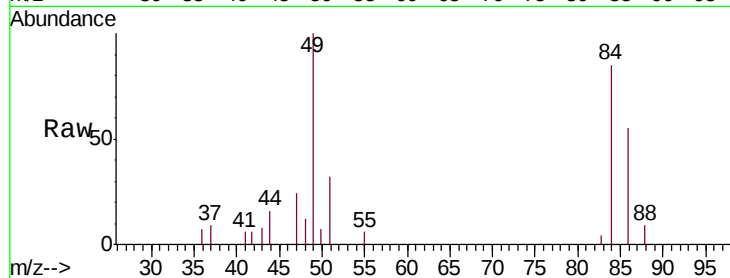
Tgt Ion: 84 Resp: 3575

Ion Ratio Lower Upper

84 100

49 117.4 84.6 157.0

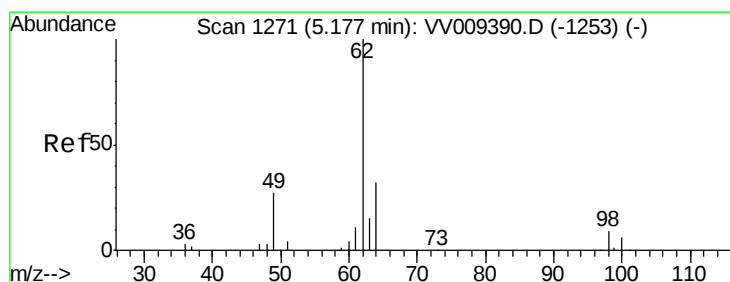
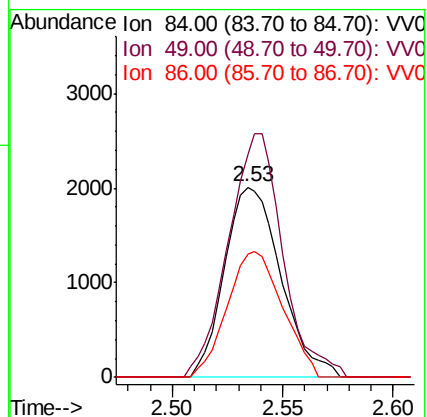
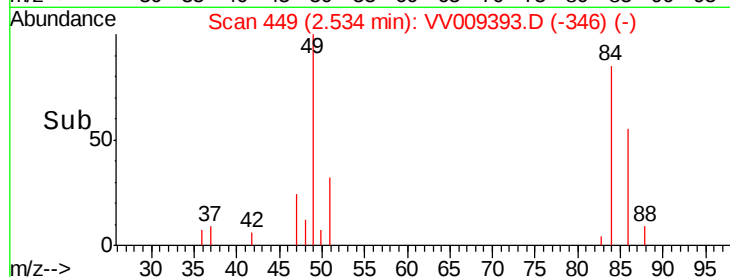
86 64.9 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV009393.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009393.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009393.D (-346) (-)



#27

1,2-Dichloroethane

Concen: 0.401 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV009393.D

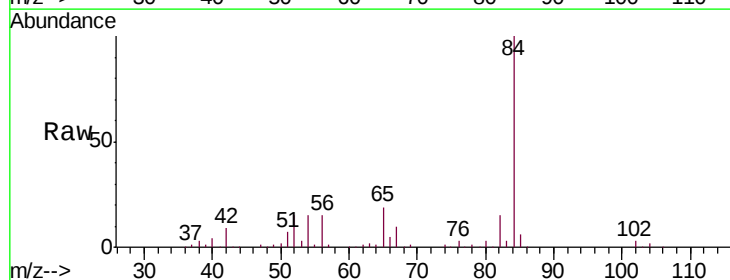
Acq: 27 Feb 2019 12:47

Tgt Ion: 62 Resp: 1186

Ion Ratio Lower Upper

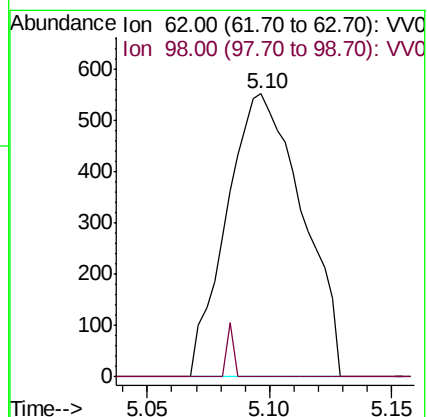
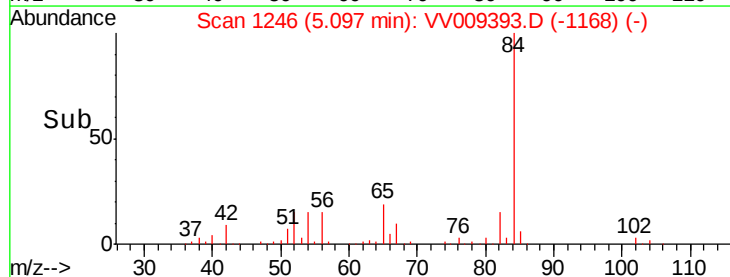
62 100

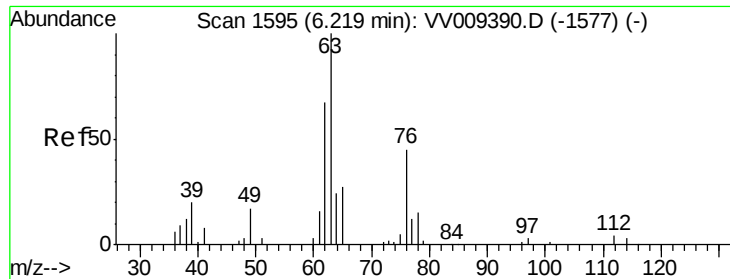
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009393.D (-1168) (-)

Ion 98.00 (97.70 to 98.70): VV009393.D (-1168) (-)

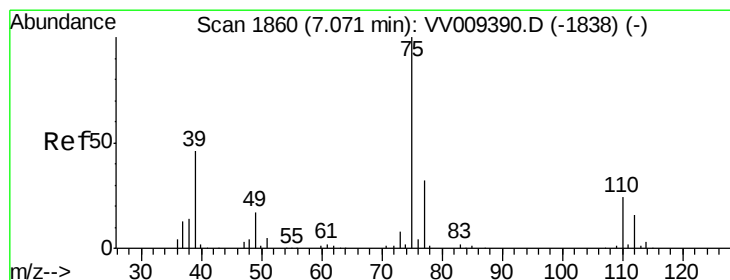
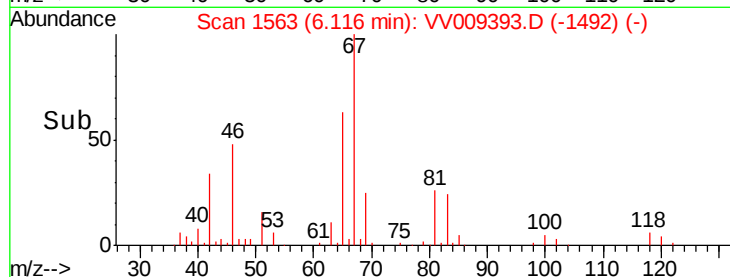
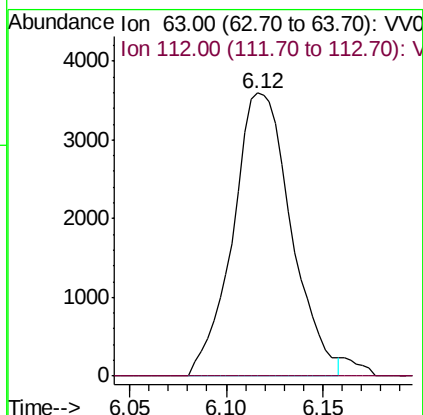
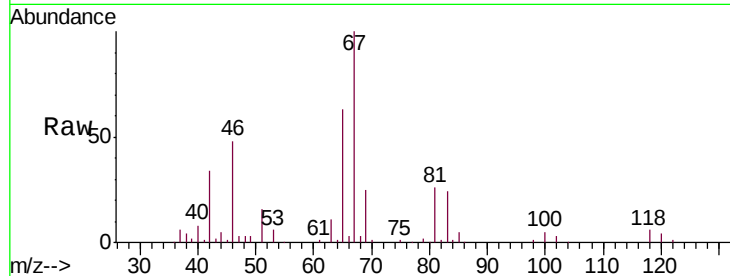




#40
 1,2-Dichloropropane
 Concen: 3.250 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009393.D
 Acq: 27 Feb 2019 12:47

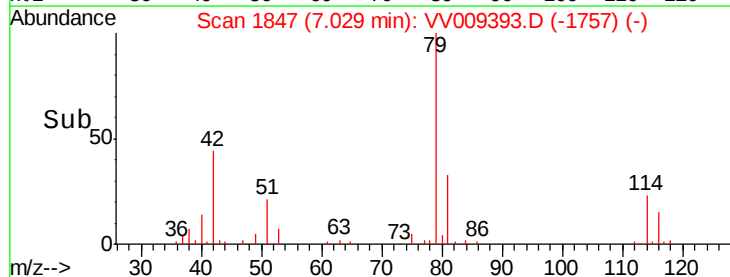
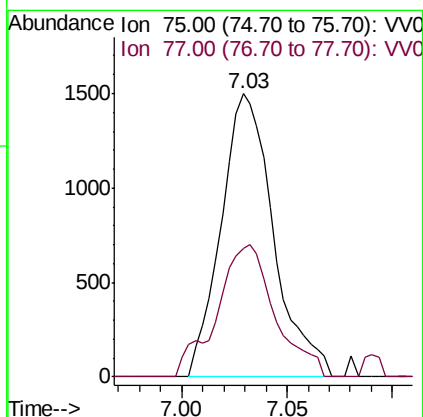
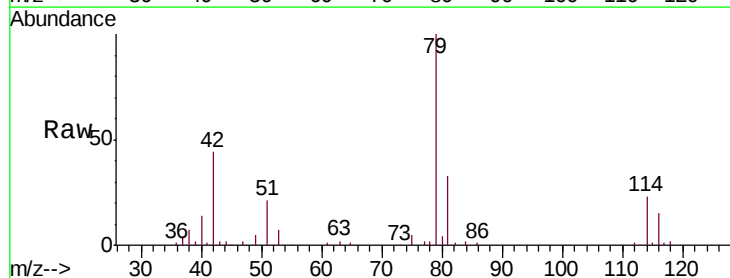
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 MSVOA_V
 ClientSampleId :
 VHBLK01

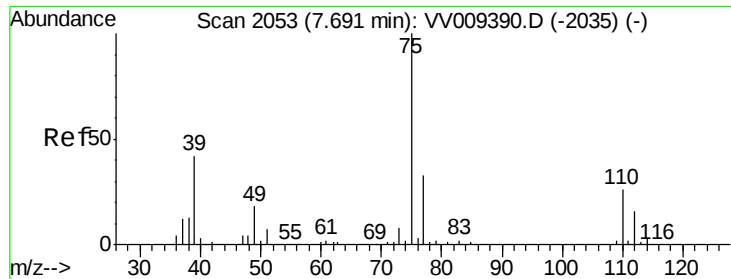
Tgt Ion: 63 Resp: 7543
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.702 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009393.D
 Acq: 27 Feb 2019 12:47

Tgt Ion: 75 Resp: 2588
 Ion Ratio Lower Upper
 75 100
 77 45.5 21.4 39.8#





#45

trans-1,3-Dichloropropene

Concen: 0.506 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009393.D

Acq: 27 Feb 2019 12:47

Instrument :

MSVOA_V

ClientSampled :

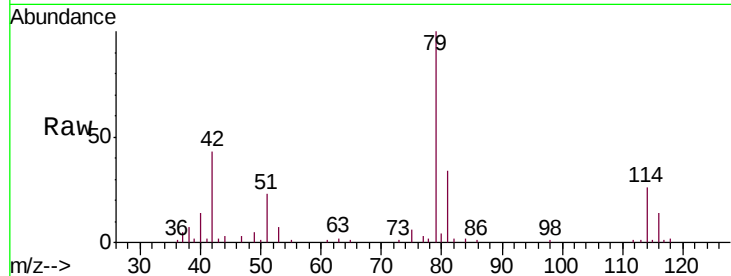
VHBLK01

Tgt Ion: 75 Resp: 1692

Ion Ratio Lower Upper

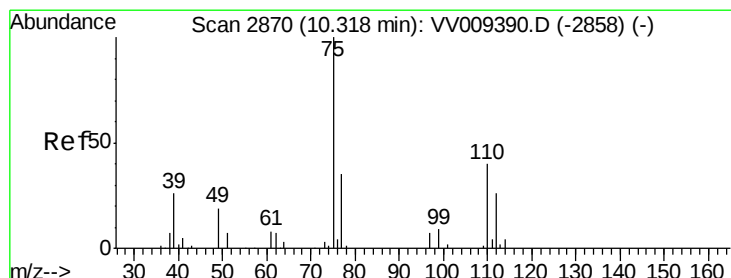
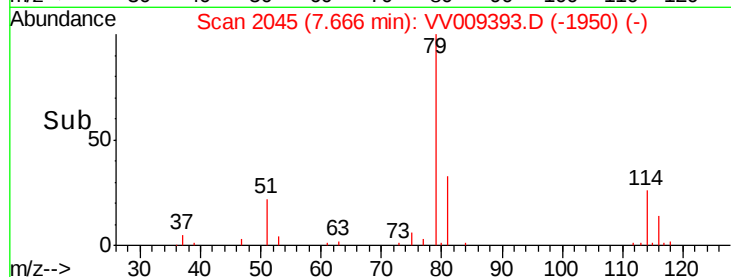
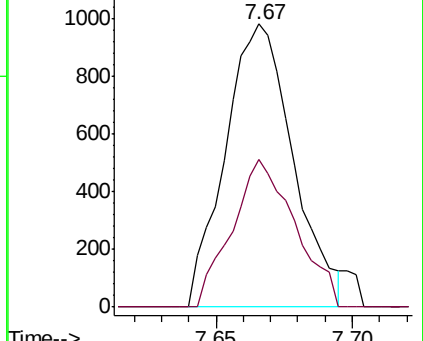
75 100

77 52.0 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: 6.024 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009393.D

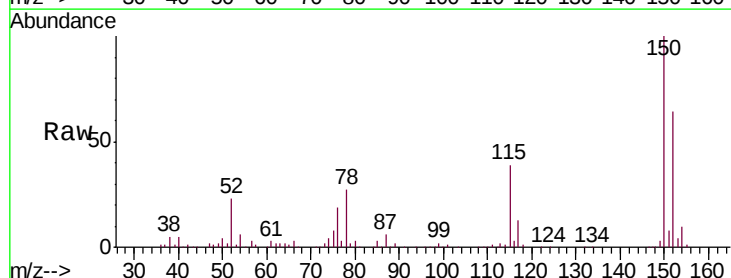
Acq: 27 Feb 2019 12:47

Tgt Ion: 75 Resp: 11185

Ion Ratio Lower Upper

75 100

77 36.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

