

Data File : VV009817.D
Acq On : 22 Mar 2019 00:42
Operator : SY/MD
Sample : K2049-18
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB-190319-01

Quant Time: Mar 22 08:20:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 22 08:14:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	90953	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	91568	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39790	5.00	ug/L	0.00

System Monitoring Compounds

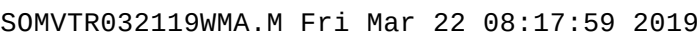
4) Vinyl Chloride-d3	1.32	65	50766	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.59	69	51033	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.13	63	104682	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.95	46	68328	53.71	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.42%
24) Chloroform-d	4.41	84	45375	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.40%
26) 1,2-Dichloroethane-d4	5.08	65	29626	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.10	84	120597	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.12	67	35864	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	110478	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.67	79	10438	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.14	63	58635	52.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	28129	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	39872	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

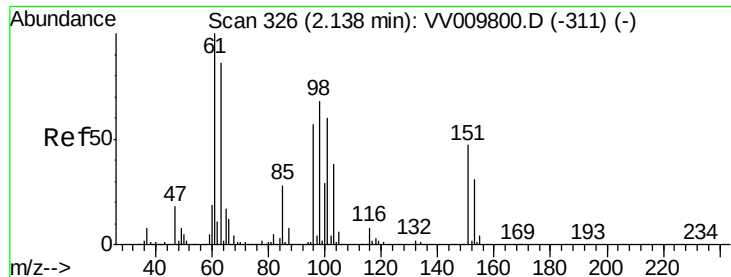
Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1168	0.086	ug/L #	24
16) Methylene chloride	2.54	84	4203	0.306	ug/L	87
25) Chloroform	4.43	83	12742	1.156	ug/L	90
35) Methylcyclohexane	6.12	83	8276	0.743	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	4539	0.706	ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1022	0.118	ug/L #	63
42) Toluene	7.43	91	2829	0.097	ug/L	89
44) trans-1,3-Dichloropropene	7.67	75	634	0.091	ug/L #	80
66) 1,2-Dibromo-3-chloropropan	12.31	75	275	0.432	ug/L #	18

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

Quant Time: Mar 22 08:20:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 22 08:14:34 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.086 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV009817.D

Acq: 22 Mar 2019 00:42

Instrument :

MSVOA_V

ClientSampleId :

TB-190319-01

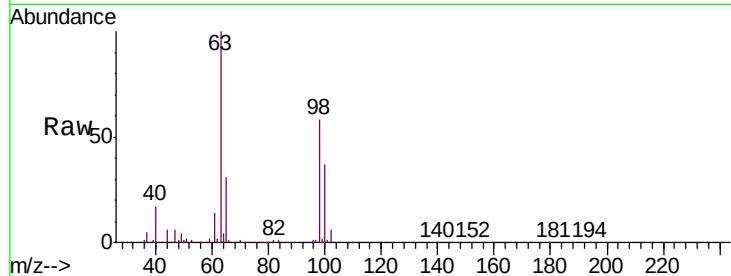
Tgt Ion:101 Resp: 1168

Ion Ratio Lower Upper

101 100

85 10.8 39.2 58.8#

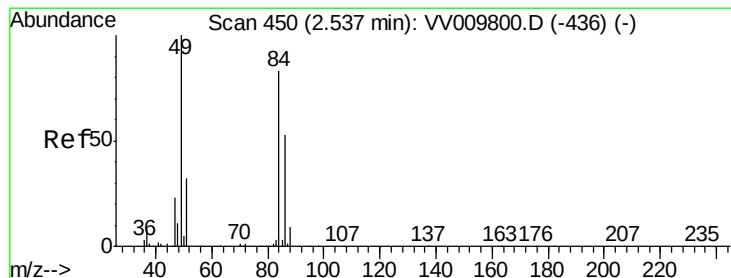
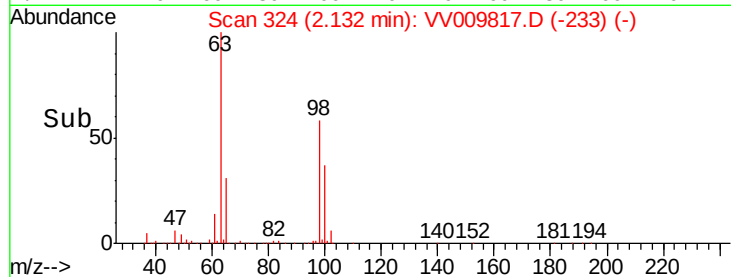
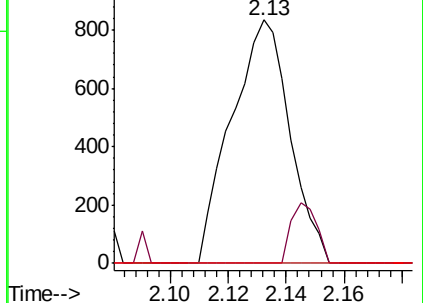
151 0.0 61.1 91.7#



Abundance Ion 101.00 (100.70 to 101.70): VV009817.D (-323) (-)

Ion 85.00 (84.70 to 85.70): VV009817.D (-323) (-)

Ion 151.00 (150.70 to 151.70): VV009817.D (-323) (-)



#16

Methylene chloride

Concen: 0.306 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV009817.D

Acq: 22 Mar 2019 00:42

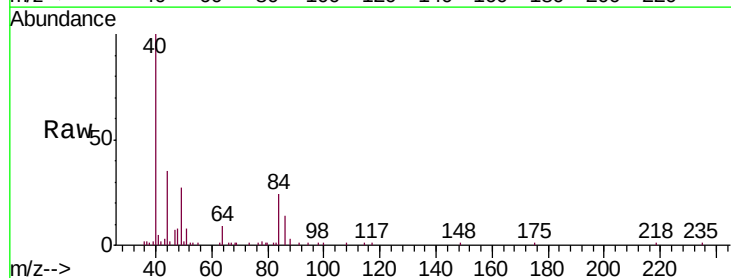
Tgt Ion: 84 Resp: 4203

Ion Ratio Lower Upper

84 100

86 57.3 46.1 85.5

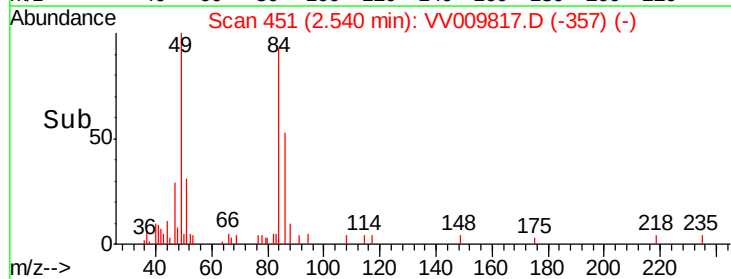
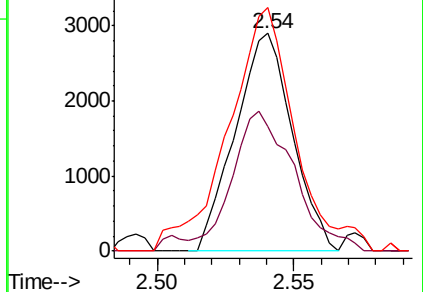
49 111.9 89.7 166.5

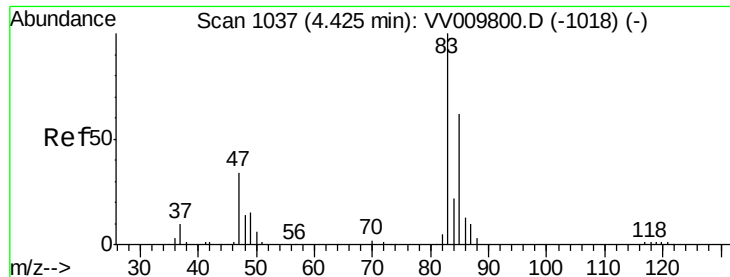


Abundance Ion 84.05 (83.75 to 84.75): VV009817.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VV009817.D (-357) (-)

Ion 49.10 (48.80 to 49.80): VV009817.D (-357) (-)





#25

Chloroform

Concen: 1.156 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV009817.D

Acq: 22 Mar 2019 00:42

Instrument :

MSVOA_V

ClientSampleId :

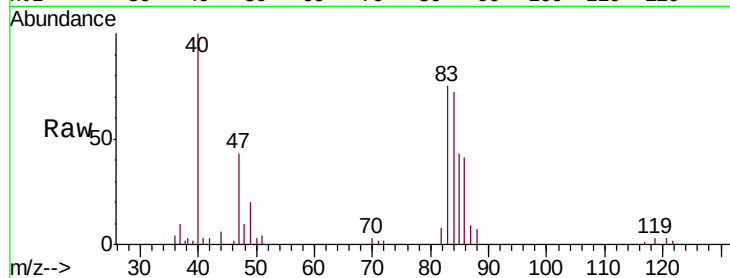
TB-190319-01

Tgt Ion: 83 Resp: 12742

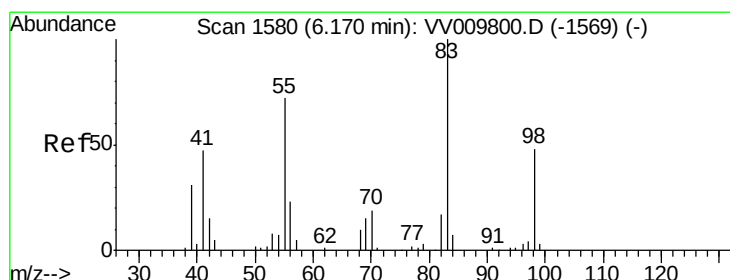
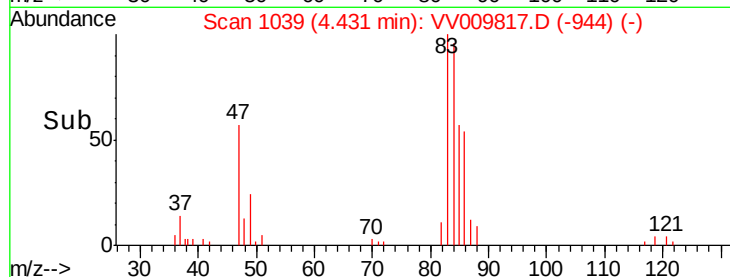
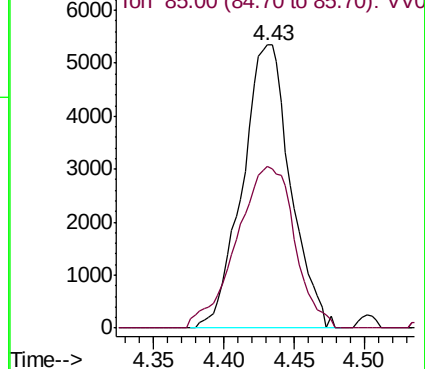
Ion Ratio Lower Upper

83 100

85 57.3 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV009817.D (-944) (-)



#35

Methylcyclohexane

Concen: 0.743 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV009817.D

Acq: 22 Mar 2019 00:42

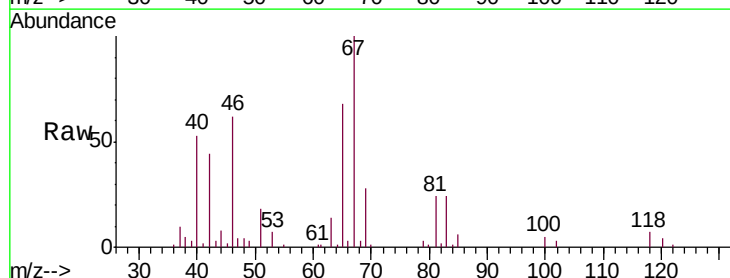
Tgt Ion: 83 Resp: 8276

Ion Ratio Lower Upper

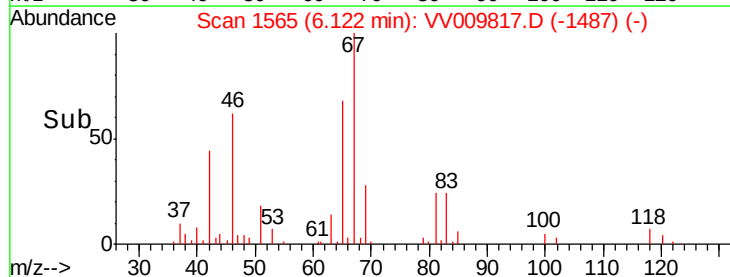
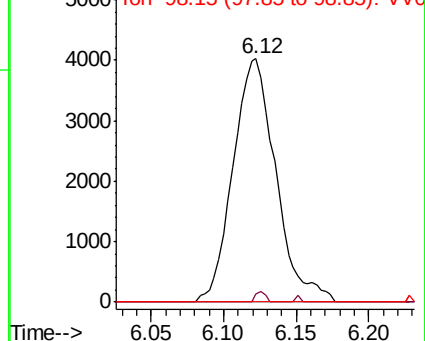
83 100

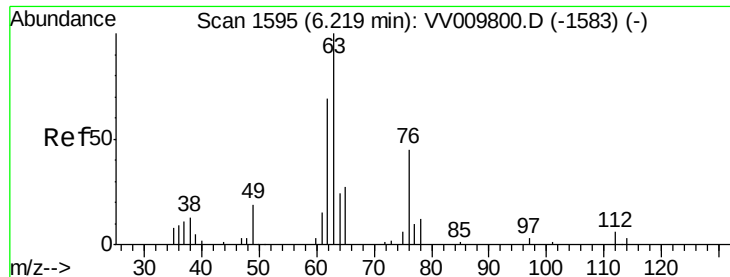
55 1.0 57.4 86.2#

98 0.0 38.9 58.3#



Abundance Ion 83.15 (82.85 to 83.85): VV009817.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 0.706 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009817.D

Acq: 22 Mar 2019 00:42

Instrument :

MSVOA_V

ClientSampleId :

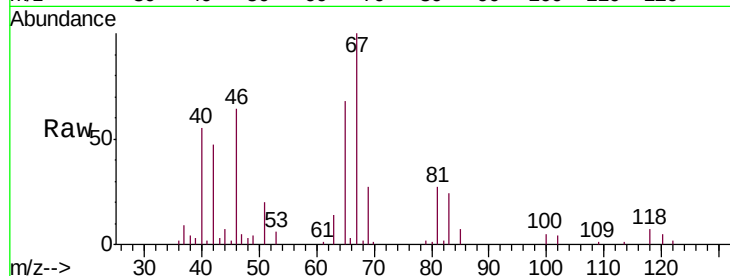
TB-190319-01

Tgt Ion: 63 Resp: 4539

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VV009800.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV009800.D (-1583) (-)

6.12

2500

2000

1500

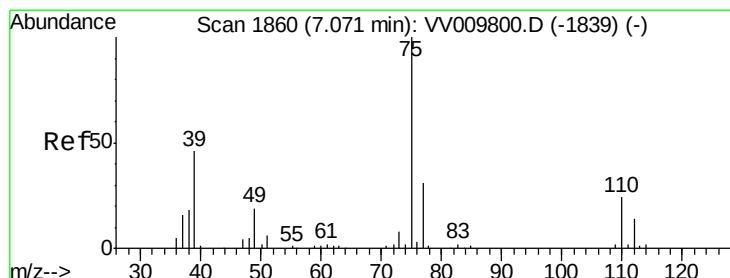
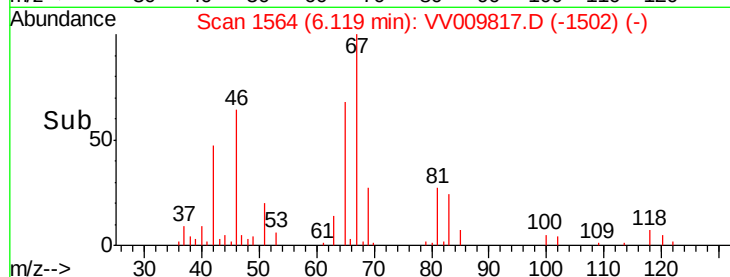
1000

500

0

6.05 6.10 6.15 6.20

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009817.D

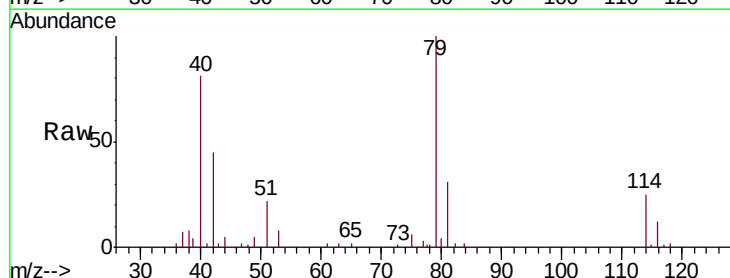
Acq: 22 Mar 2019 00:42

Tgt Ion: 75 Resp: 1022

Ion Ratio Lower Upper

75 100

77 56.1 24.1 44.8#



Abundance Ion 75.05 (74.75 to 75.75): VV009800.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV009800.D (-1839) (-)

7.03

800

600

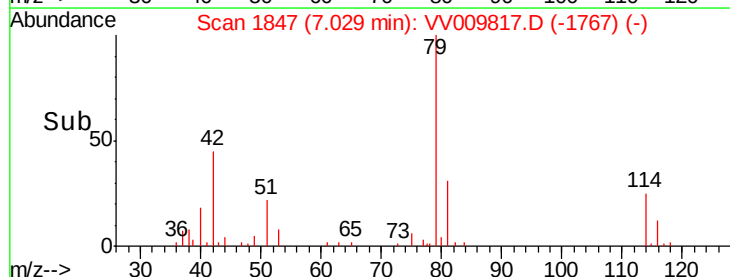
400

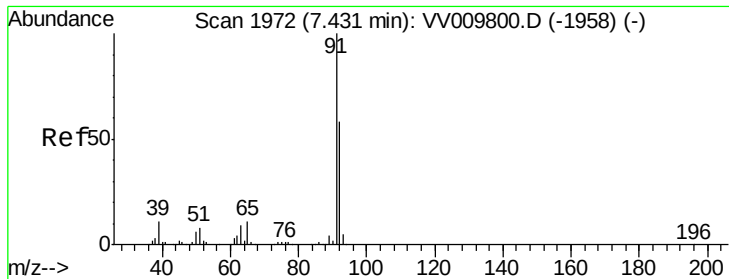
200

0

7.00 7.05

Time-->





#42

Toluene

Concen: 0.097 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009817.D

Acq: 22 Mar 2019 00:42

Instrument :

MSVOA_V

ClientSampled :

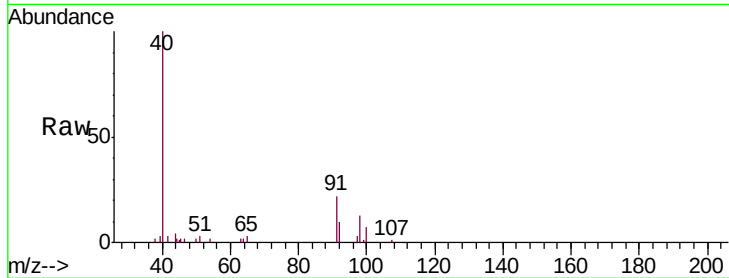
TB-190319-01

Tgt Ion: 91 Resp: 2829

Ion Ratio Lower Upper

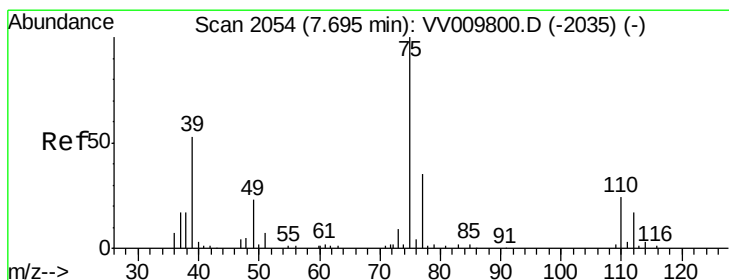
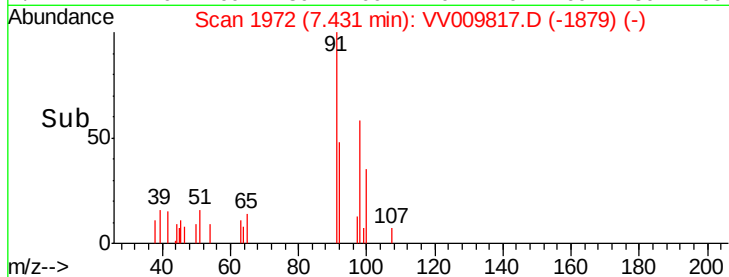
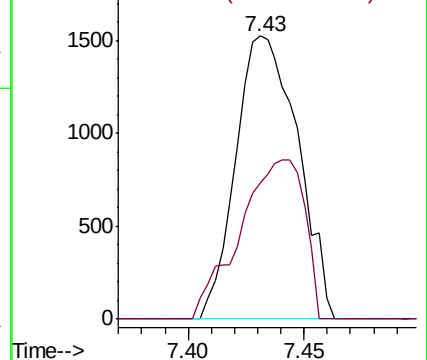
91 100

92 48.1 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009817.D

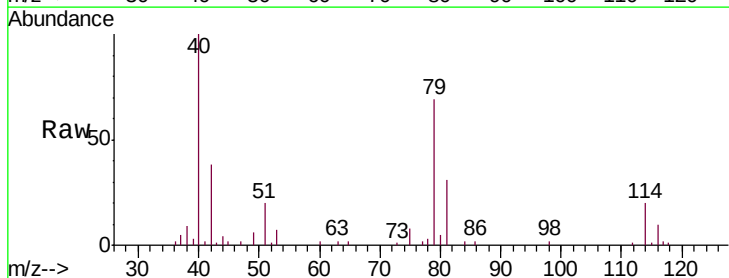
Acq: 22 Mar 2019 00:42

Tgt Ion: 75 Resp: 634

Ion Ratio Lower Upper

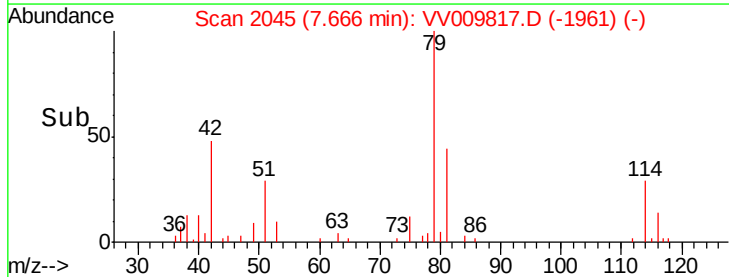
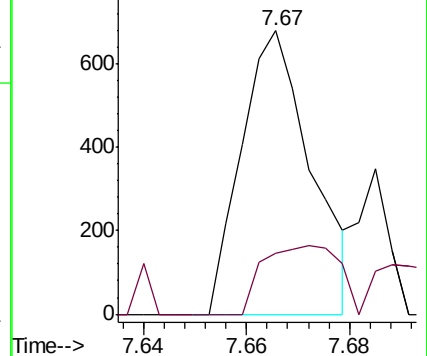
75 100

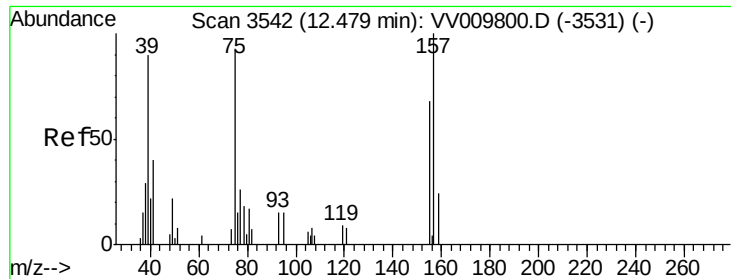
77 21.5 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#66

1,2-Dibromo-3-chloropropane

Concen: 0.432 ug/L

RT: 12.31 min Scan# 3488

Delta R.T. -0.17 min

Lab File: VV009817.D

Acq: 22 Mar 2019 00:42

Instrument :

MSVOA_V

ClientSampleId :

TB-190319-01

Tgt Ion: 75 Resp: 275

Ion Ratio Lower Upper

75 100

155 38.5 73.5 110.3#

157 0.0 88.3 132.5#

