

Data File : VV011693.D
Acq On : 21 Jun 2019 19:02
Operator : SY/MD
Sample : K3415-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GALQ1

Quant Time: Jun 22 04:16:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	119421	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	111639	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45681	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35930	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.58	69	29643	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.12	63	57233	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.96	46	156176	74.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	149.60%#
24) Chloroform-d	4.40	84	62811	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.08	65	50842	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.00%
32) Benzene-d6	5.10	84	159608	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.12	67	51596	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.36	98	132036	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.67	79	15458	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.14	63	103542	65.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.68%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37855	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	47840	5.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.00%

Target Compounds

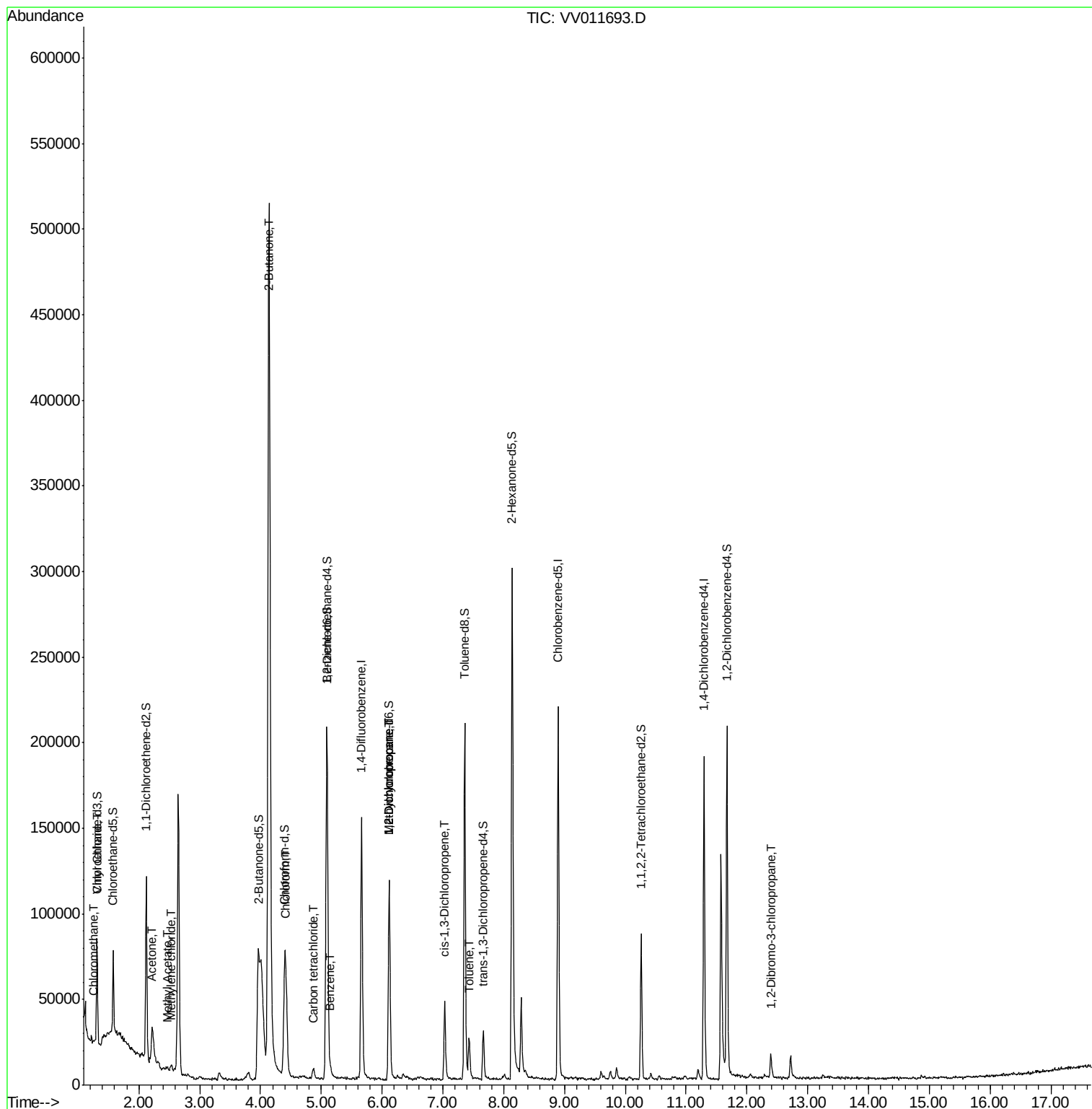
						Qvalue
3) Chloromethane	1.24	50	1014	0.090	ug/L #	73
8) Chloroethane	1.31	64	843	0.146	ug/L	92
13) Acetone	2.22	43	39328	26.076	ug/L	98
15) Methyl Acetate	2.47	43	2642	0.704	ug/L #	75
16) Methylene chloride	2.53	84	1228	0.149	ug/L	88
21) 2-Butanone	4.14	43	853119	351.081	ug/L #	54
25) Chloroform	4.42	83	35597	1.877	ug/L	95
31) Carbon tetrachloride	4.87	117	3990	0.328	ug/L	98
33) Benzene	5.14	78	3631	0.098	ug/L	100
35) Methylcyclohexane	6.12	83	12724	0.803	ug/L #	15
37) 1,2-Dichloropropane	6.12	63	6644	0.707	ug/L #	90
39) cis-1,3-Dichloropropene	7.03	75	1557	0.126	ug/L	88
42) Toluene	7.43	91	14999	0.388	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.40	75	74	0.088	ug/L #	6

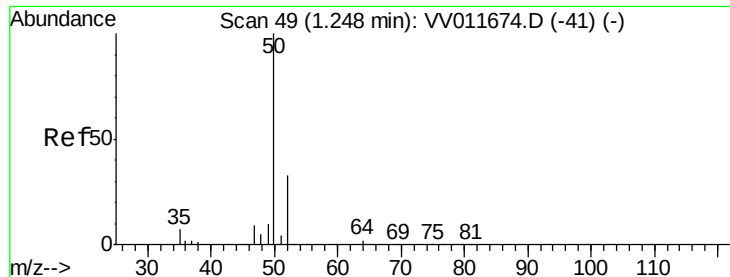
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.090 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV011693.D

Acq: 21 Jun 2019 19:02

Instrument :

MSVOA_V

ClientSampled :

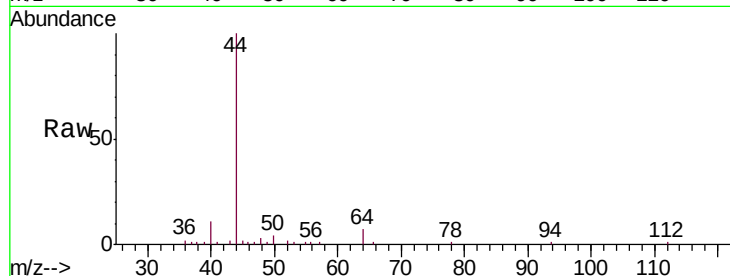
GALQ1

Tgt Ion: 50 Resp: 1014

Ion Ratio Lower Upper

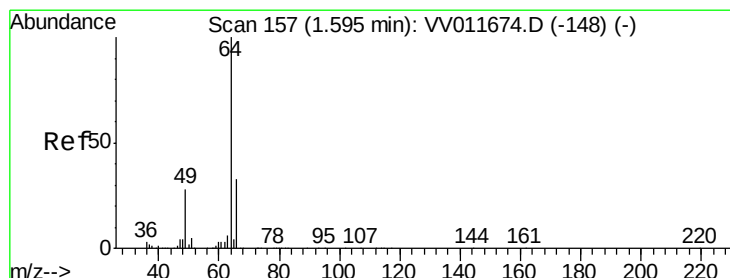
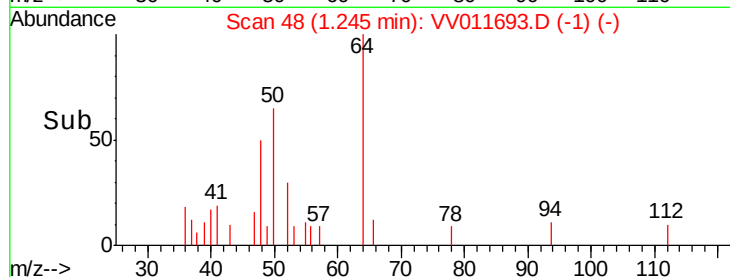
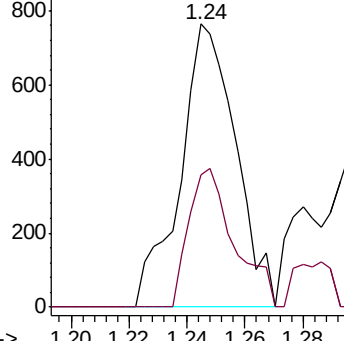
50 100

52 46.6 22.0 40.8#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.146 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.28 min

Lab File: VV011693.D

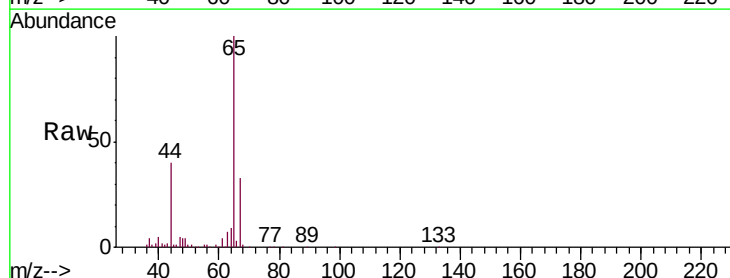
Acq: 21 Jun 2019 19:02

Tgt Ion: 64 Resp: 843

Ion Ratio Lower Upper

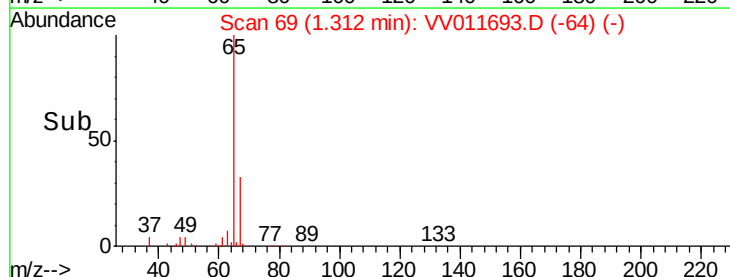
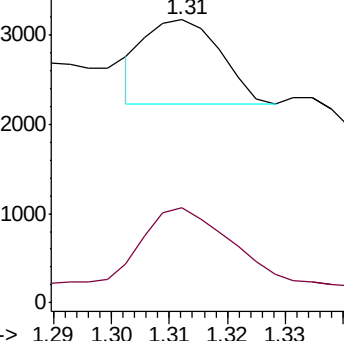
64 100

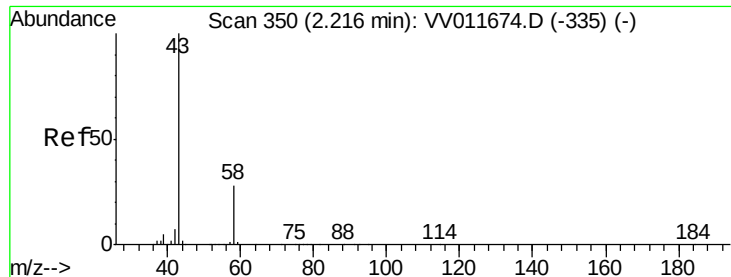
66 33.6 20.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#13

Acetone

Concen: 26.076 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV011693.D

Acq: 21 Jun 2019 19:02

Instrument :

MSVOA_V

ClientSampleId :

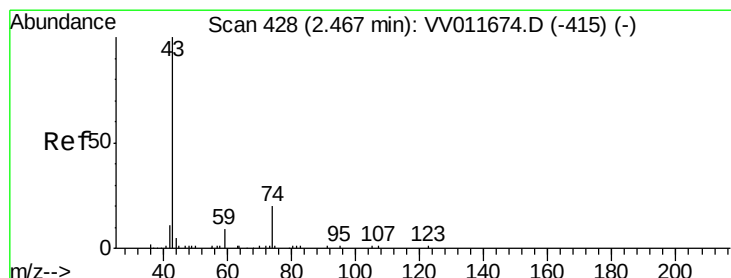
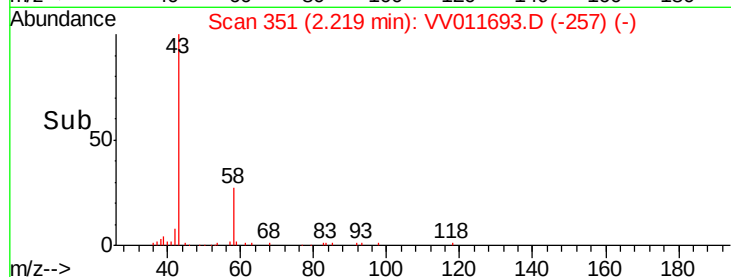
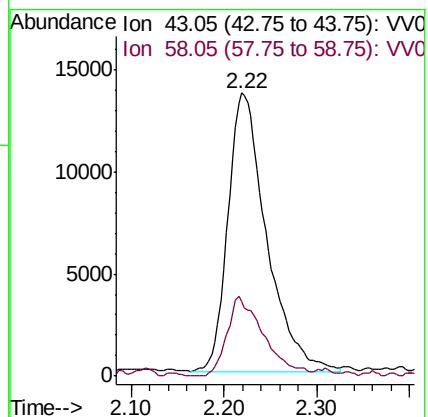
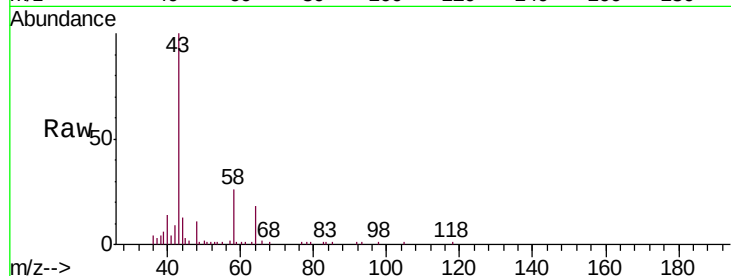
GALQ1

Tgt Ion: 43 Resp: 39328

Ion Ratio Lower Upper

43 100

58 27.4 0.0 56.6



#15

Methyl Acetate

Concen: 0.704 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV011693.D

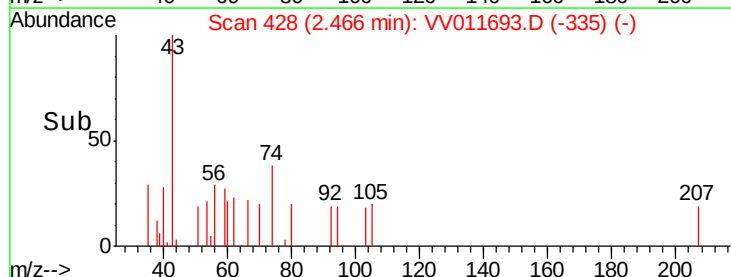
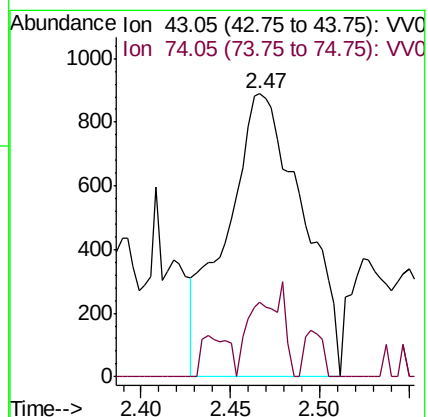
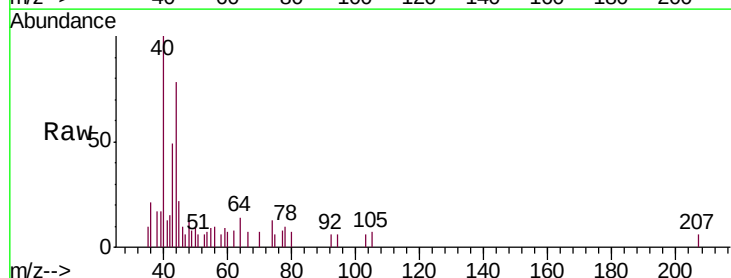
Acq: 21 Jun 2019 19:02

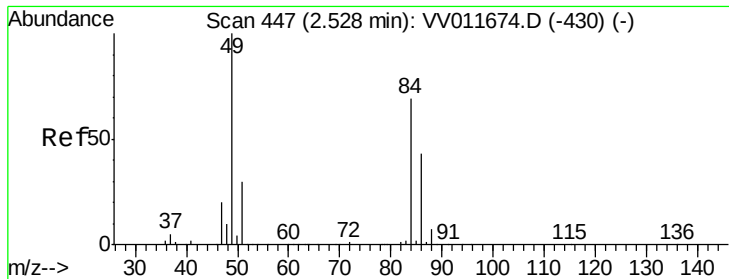
Tgt Ion: 43 Resp: 2642

Ion Ratio Lower Upper

43 100

74 8.7 16.2 24.2#

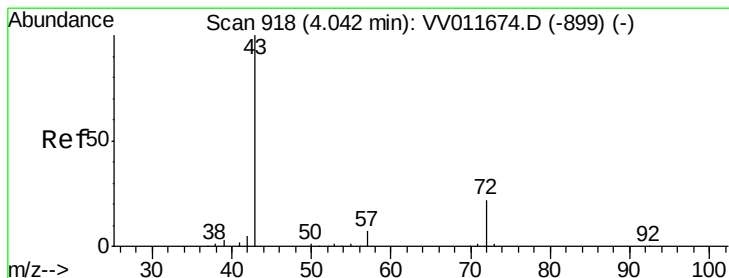
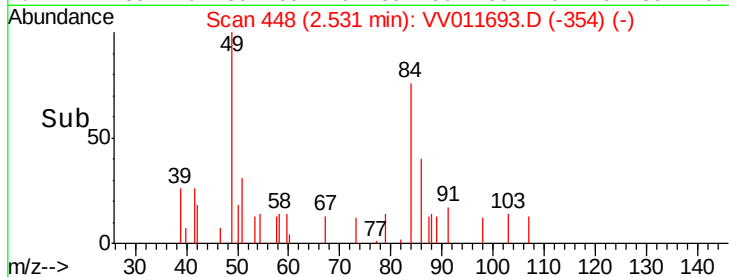
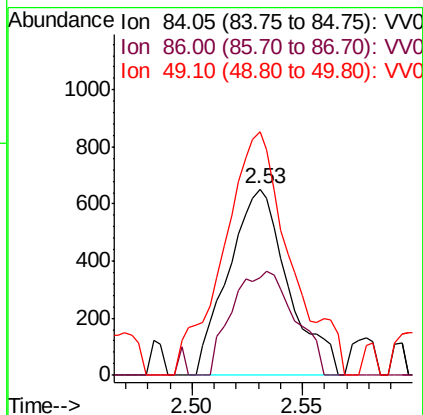
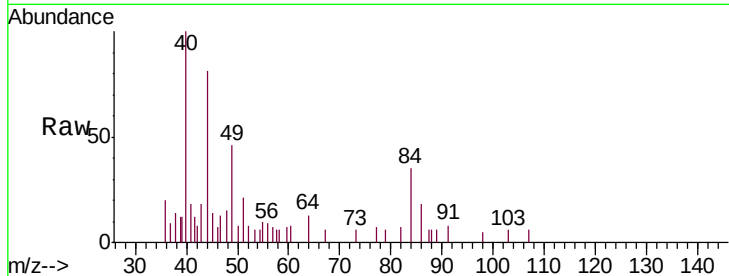




#16
Methylene chloride
Concen: 0.149 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011693.D
Acq: 21 Jun 2019 19:02

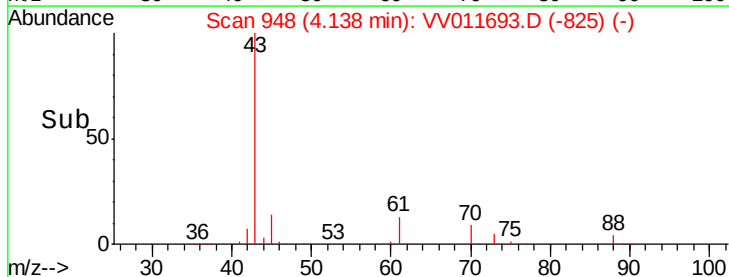
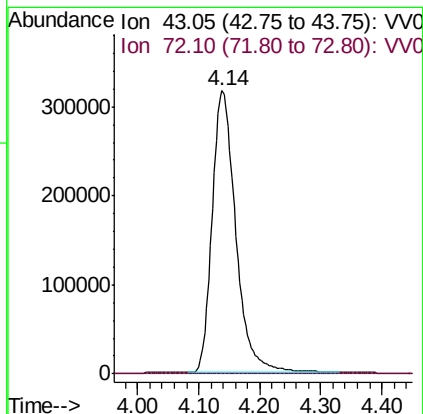
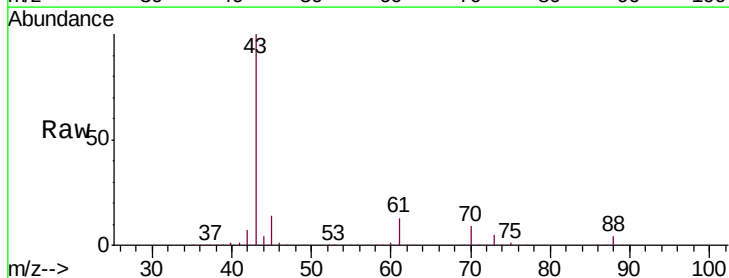
Instrument :
MSVOA_V
ClientSampled :
GALQ1

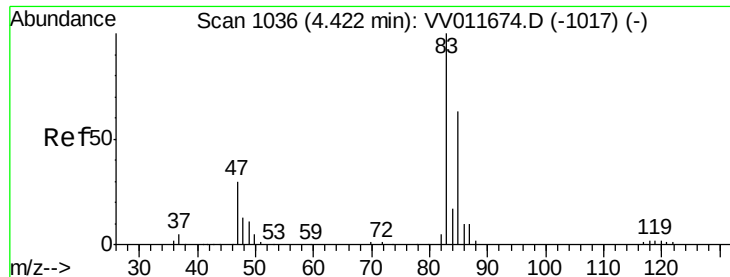
Tgt Ion: 84 Resp: 1228
Ion Ratio Lower Upper
84 100
86 52.3 44.9 83.5
49 130.8 101.4 188.2



#21
2-Butanone
Concen: 351.081 ug/L
RT: 4.14 min Scan# 948
Delta R.T. 0.10 min
Lab File: VV011693.D
Acq: 21 Jun 2019 19:02

Tgt Ion: 43 Resp: 853119
Ion Ratio Lower Upper
43 100
72 0.0 10.9 32.6#

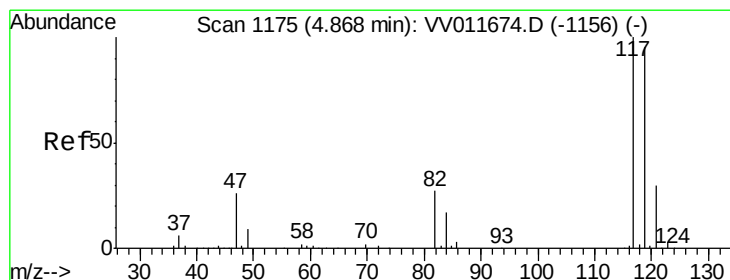
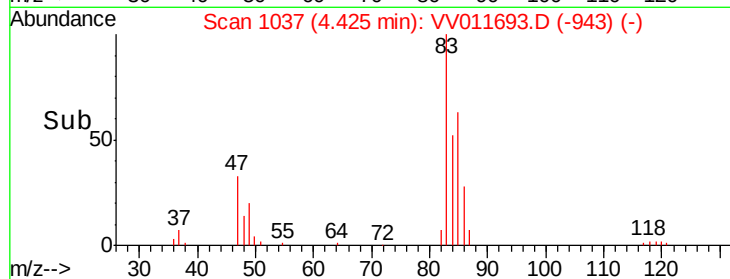
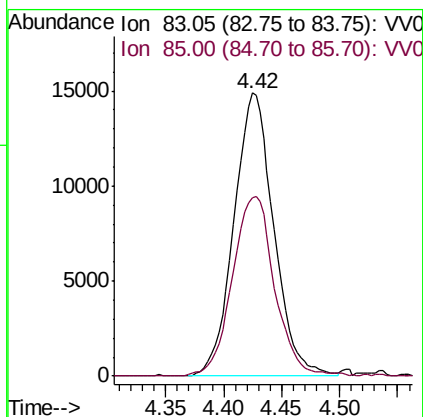
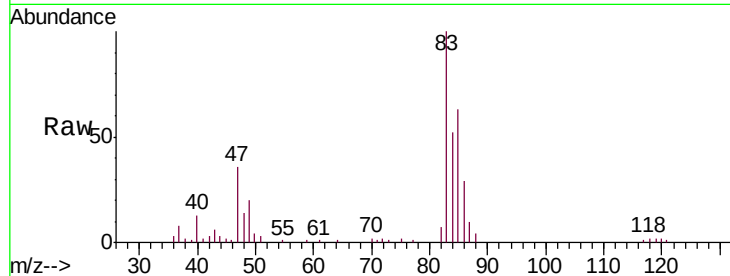




#25
Chloroform
Concen: 1.877 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011693.D
Acq: 21 Jun 2019 19:02

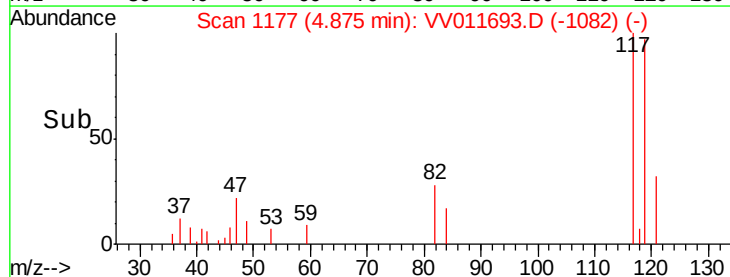
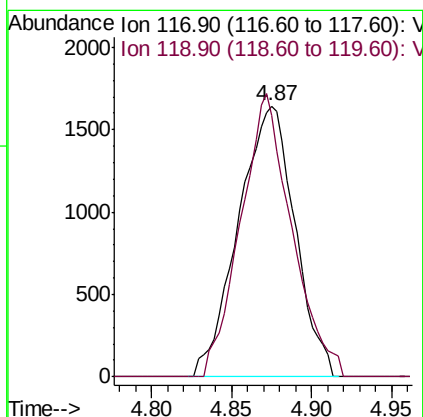
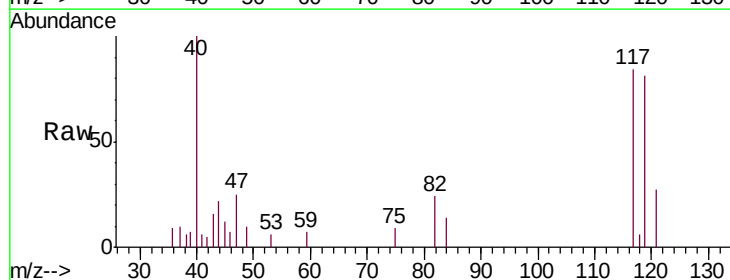
Instrument :
MSVOA_V
ClientSampled :
GALQ1

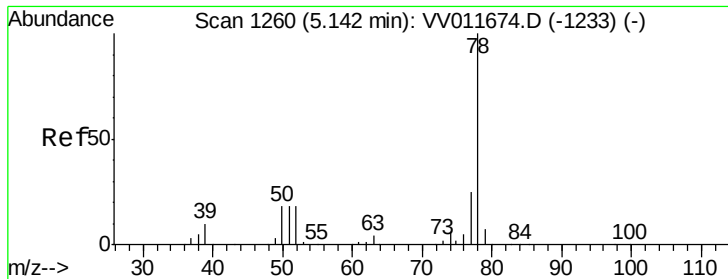
Tgt Ion: 83 Resp: 35597
Ion Ratio Lower Upper
83 100
85 62.9 47.0 87.2



#31
Carbon tetrachloride
Concen: 0.328 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VV011693.D
Acq: 21 Jun 2019 19:02

Tgt Ion: 117 Resp: 3990
Ion Ratio Lower Upper
117 100
119 94.4 77.1 115.7





#33

Benzene

Concen: 0.098 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV011693.D

Acq: 21 Jun 2019 19:02

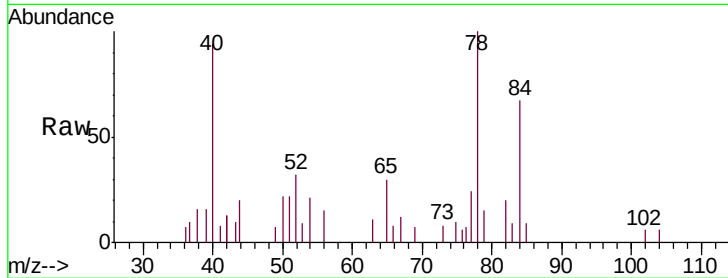
Instrument :

MSVOA_V

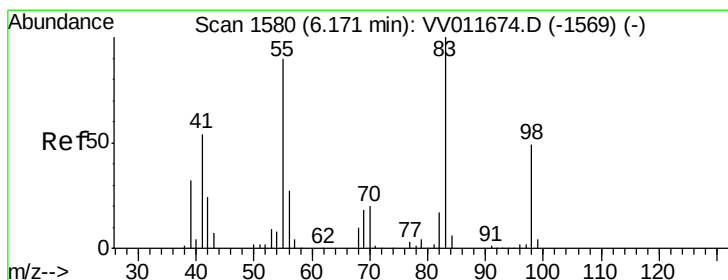
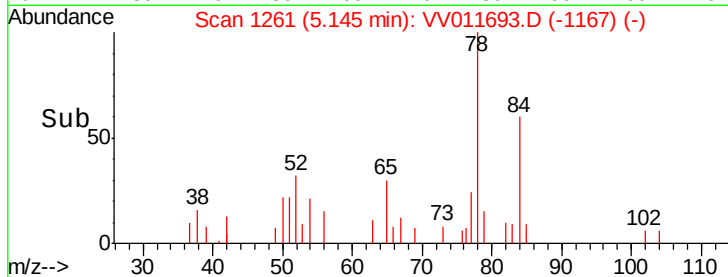
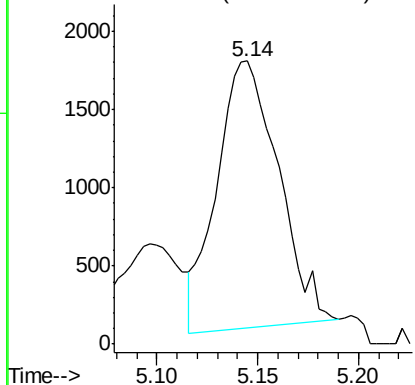
ClientSampleId :

GALQ1

Tgt Ion: 78 Resp: 3631



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.803 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV011693.D

Acq: 21 Jun 2019 19:02

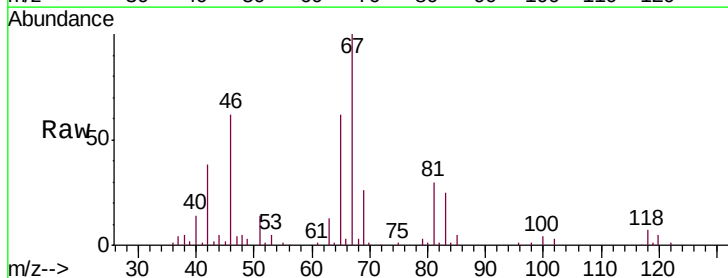
Tgt Ion: 83 Resp: 12724

Ion Ratio Lower Upper

83 100

55 0.9 69.4 104.2#

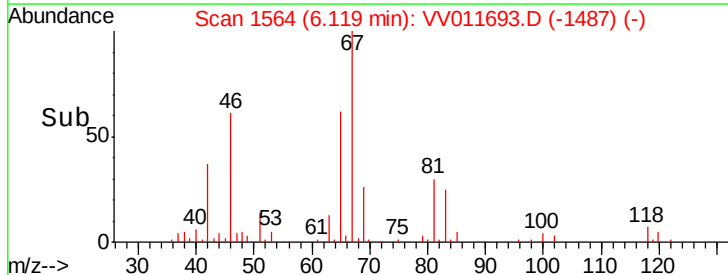
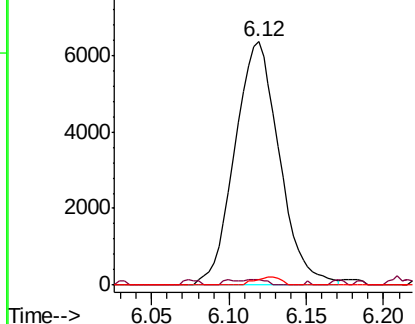
98 1.8 40.2 60.4#

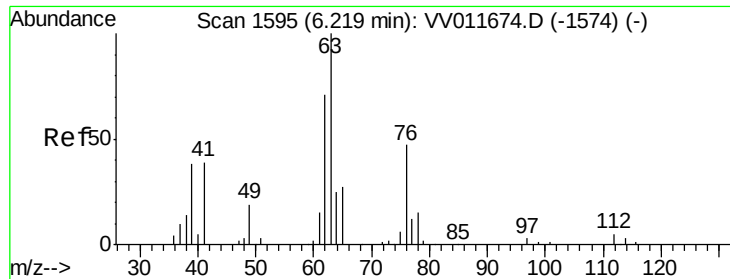


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

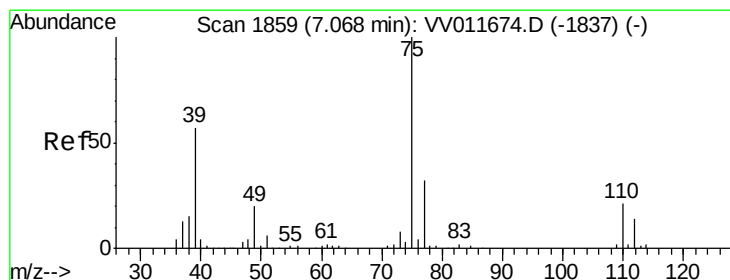
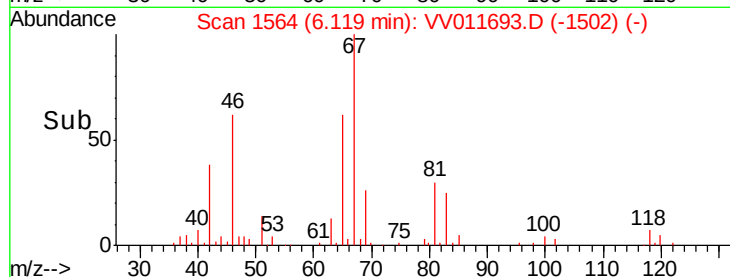
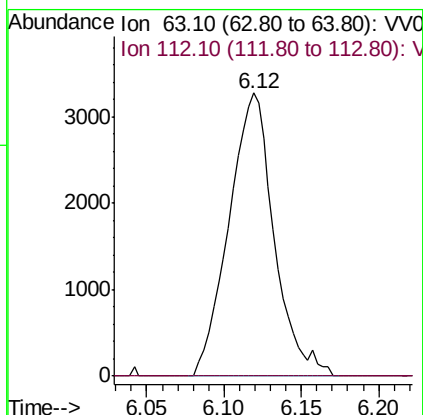
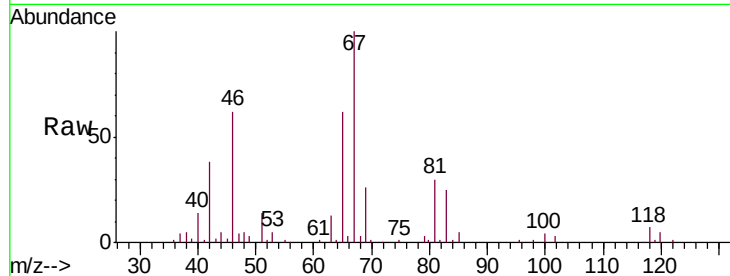




#37
 1,2-Dichloropropane
 Concen: 0.707 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011693.D
 Acq: 21 Jun 2019 19:02

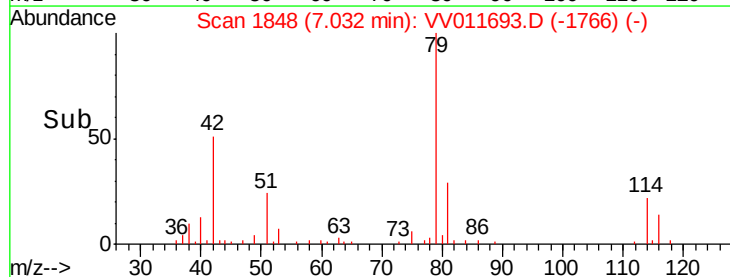
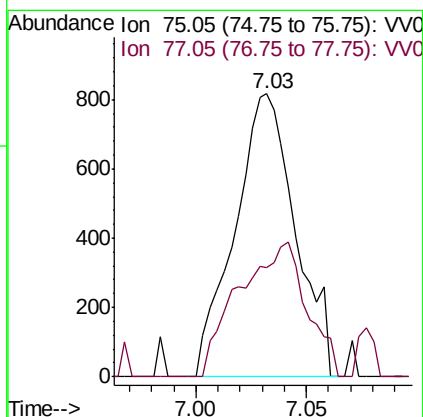
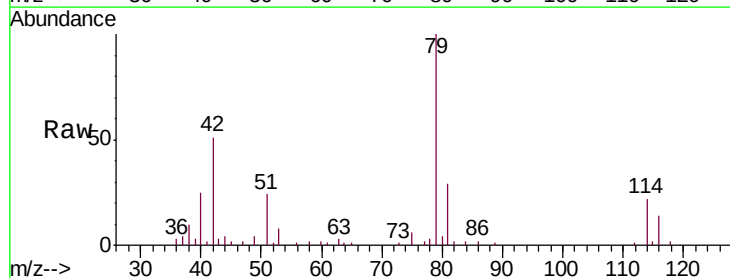
Instrument :
 MSVOA_V
 ClientSampleId :
 GALQ1

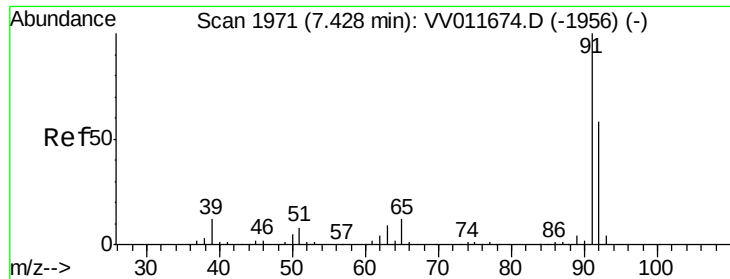
Tgt Ion: 63 Resp: 6644
 Ion Ratio Lower Upper
 63 100
 112 1.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV011693.D
 Acq: 21 Jun 2019 19:02

Tgt Ion: 75 Resp: 1557
 Ion Ratio Lower Upper
 75 100
 77 38.7 22.4 41.6





#42

Toluene

Concen: 0.388 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011693.D

Acq: 21 Jun 2019 19:02

Instrument :

MSVOA_V

ClientSampleId :

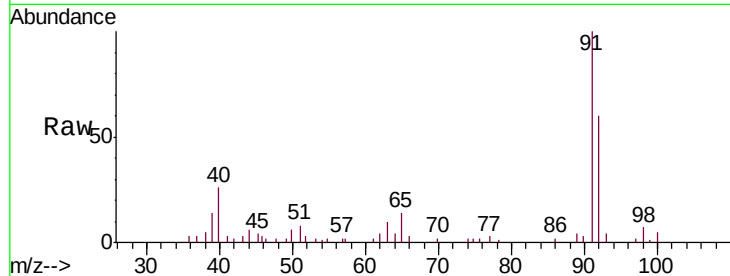
GALQ1

Tgt Ion: 91 Resp: 14999

Ion Ratio Lower Upper

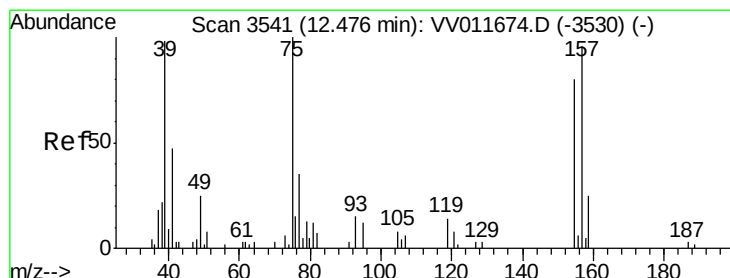
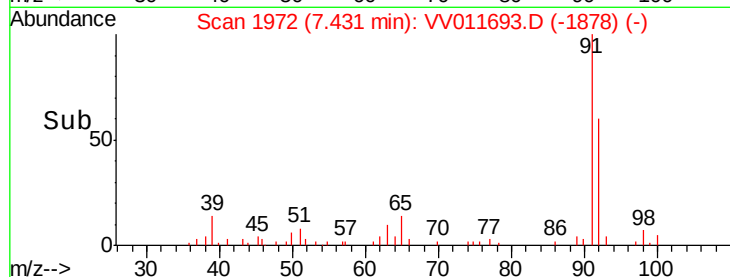
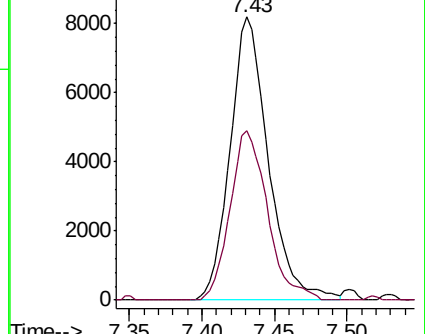
91 100

92 59.9 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#66

1,2-Dibromo-3-chloropropane

Concen: 0.088 ug/L

RT: 12.40 min Scan# 3517

Delta R.T. -0.08 min

Lab File: VV011693.D

Acq: 21 Jun 2019 19:02

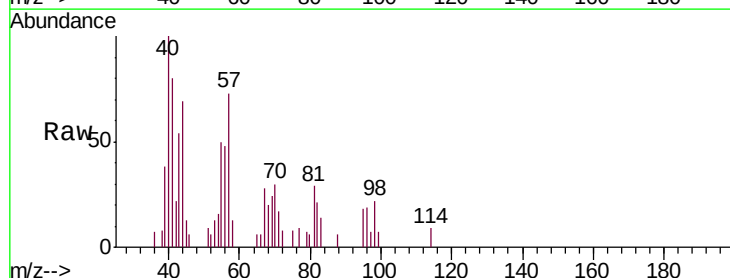
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

157 0.0 77.5 116.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

