

Data File : VV009574.D
Acq On : 10 Mar 2019 18:26
Operator : SY/MD
Sample : K1818-03
Misc : 5.48G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF2K8

Quant Time: Mar 11 04:53:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 04:48:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	132140	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	126291	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54796	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28896	18.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.68%
7) Chloroethane-d5	1.57	69	53164	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.44%
10) 1,1-Dichloroethene-d2	2.13	63	66326	16.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.08%
20) 2-Butanone-d5	3.94	46	26093	48.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.28%
24) Chloroform-d	4.40	84	78213	24.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.08	65	47832	26.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.84%
29) Benzene-d6	5.10	84	152042	24.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.24%
33) 1,2-Dichloropropane-d6	6.12	67	48787	26.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.72%
37) Toluene-d8	7.36	98	146581	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.16%
38) trans-1,3-Dichloropropene-	7.67	79	19277	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.20%
39) 2-Hexanone-d5	8.14	63	19726	45.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.58%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	46939	23.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.44%
61) 1,2-Dichlorobenzene-d4	11.67	152	51889	25.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.76%

Target Compounds

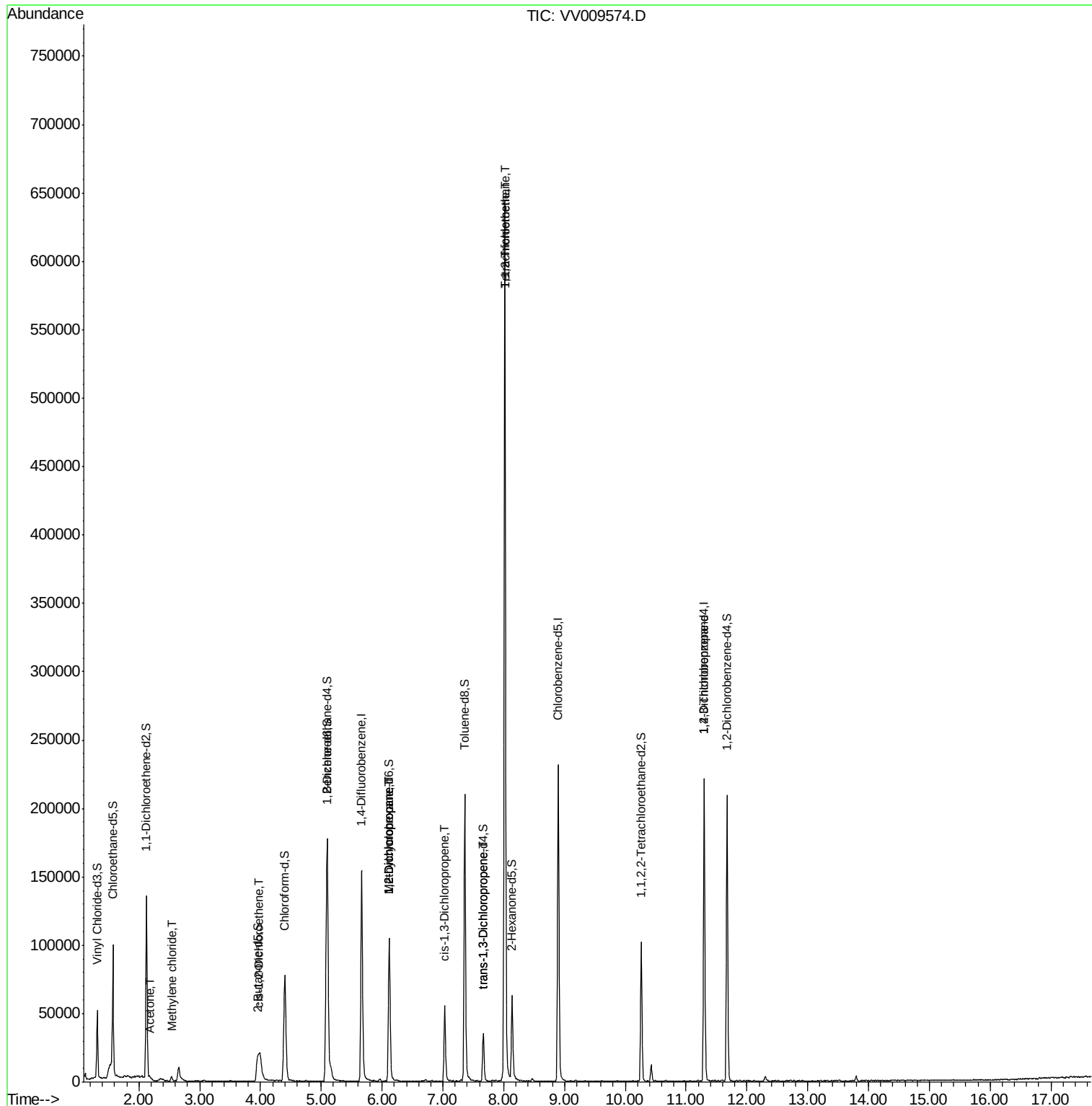
					Qvalue
13) Acetone	2.20	43	536	0.973 ug/L	86
16) Methylene chloride	2.53	84	1617	0.932 ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	1529	0.858 ug/L #	66
36) Methylcyclohexane	6.12	83	12507	4.094 ug/L #	20
40) 1,2-Dichloropropane	6.12	63	5859	3.482 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1690	0.647 ug/L #	68
45) trans-1,3-Dichloropropene	7.67	75	1156	0.507 ug/L	86
46) 1,1,2-Trichloroethane	8.02	97	1587	1.135 ug/L #	28
47) Tetrachloroethene	8.02	164	129529	91.061 ug/L	94
59) 1,2,3-Trichloropropane	11.30	75	8018	5.635 ug/L	97

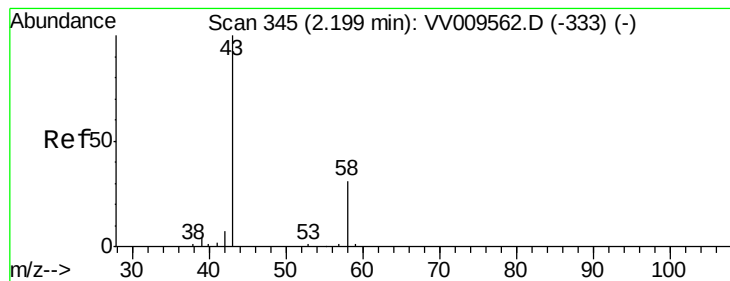
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 0.973 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV009574.D

Acq: 10 Mar 2019 18:26

Instrument :

MSVOA_V

ClientSampled :

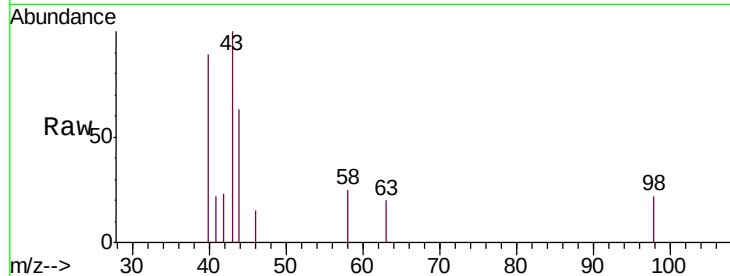
BF2K8

Tgt Ion: 43 Resp: 536

Ion Ratio Lower Upper

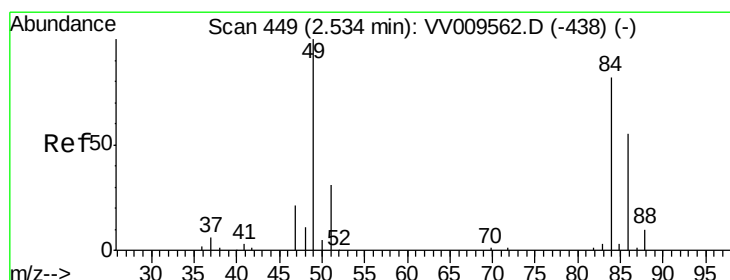
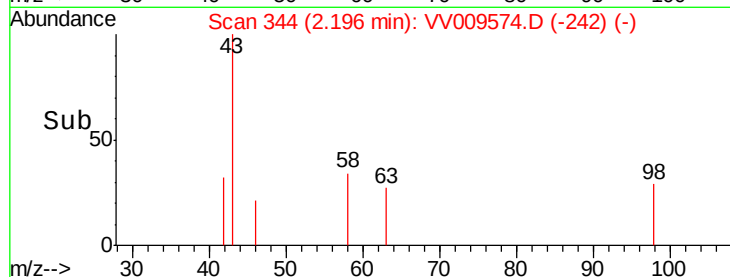
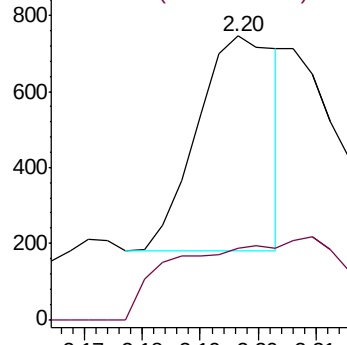
43 100

58 26.5 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#16

Methylene chloride

Concen: 0.932 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009574.D

Acq: 10 Mar 2019 18:26

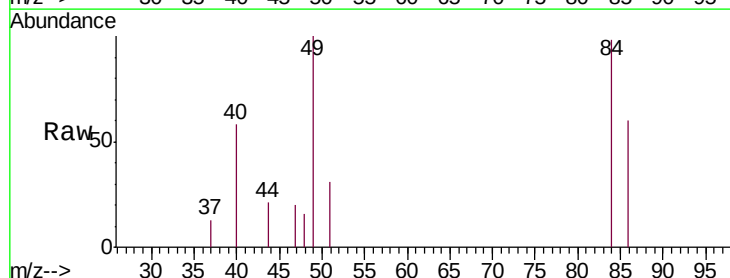
Tgt Ion: 84 Resp: 1617

Ion Ratio Lower Upper

84 100

49 102.2 84.6 157.0

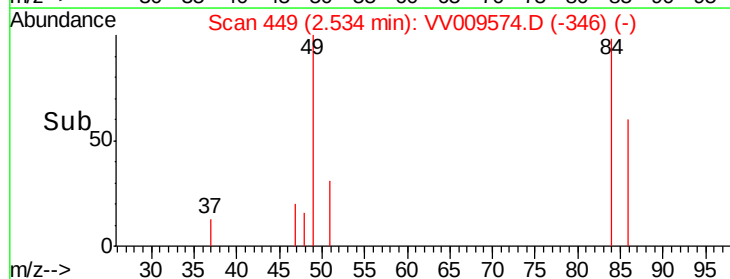
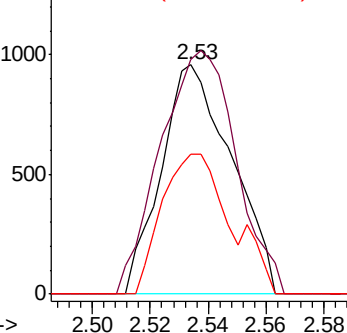
86 60.9 46.1 85.7

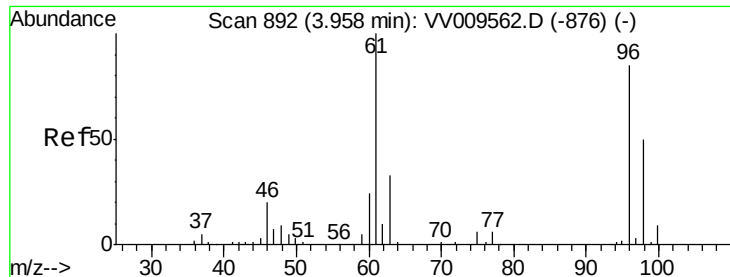


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



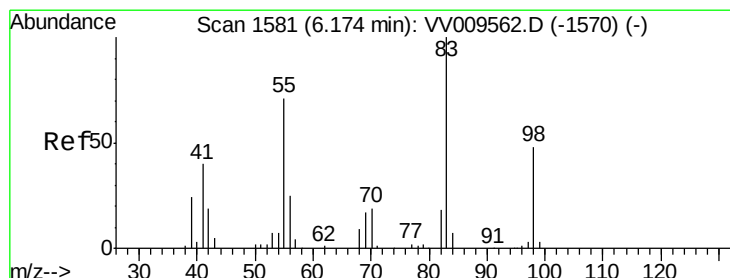
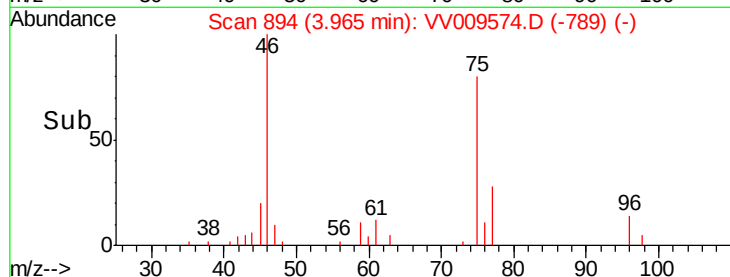
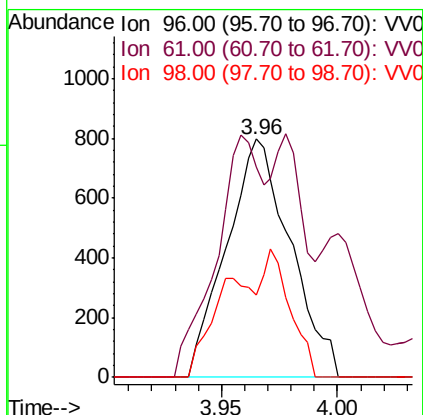
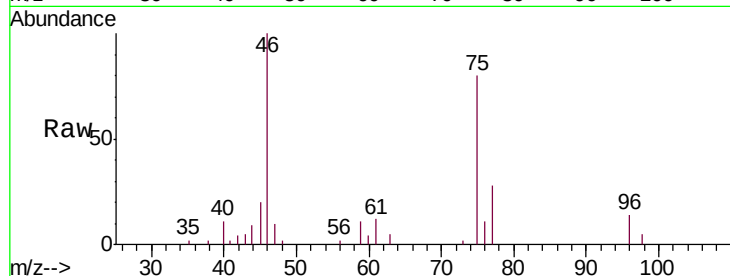


#22

cis-1,2-Dichloroethene
 Concen: 0.858 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV009574.D
 Acq: 10 Mar 2019 18:26

Instrument :
 MSVOA_V
 ClientSampleID :
 BF2K8

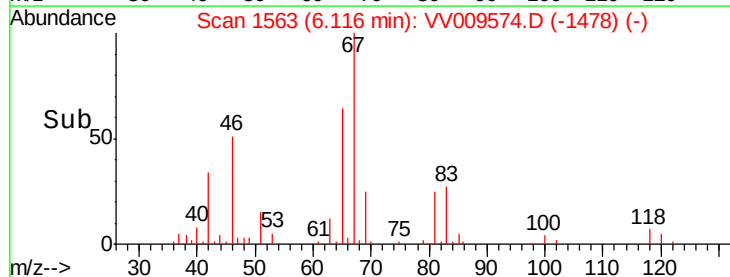
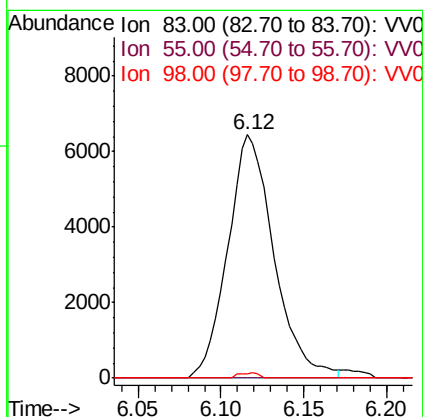
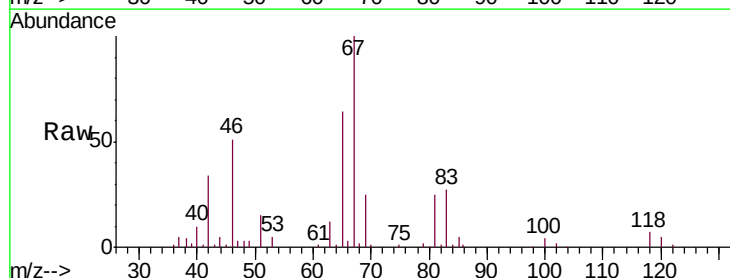
Tgt Ion: 96 Resp: 1529
 Ion Ratio Lower Upper
 96 100
 61 88.2 87.2 161.9
 98 34.9 44.6 82.8#

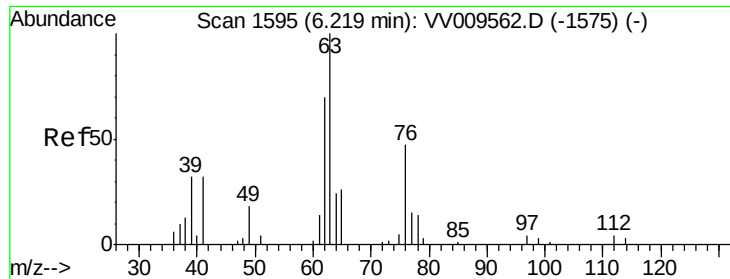


#36

Methylcyclohexane
 Concen: 4.094 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV009574.D
 Acq: 10 Mar 2019 18:26

Tgt Ion: 83 Resp: 12507
 Ion Ratio Lower Upper
 83 100
 55 0.0 58.8 88.2#
 98 0.4 37.7 56.5#

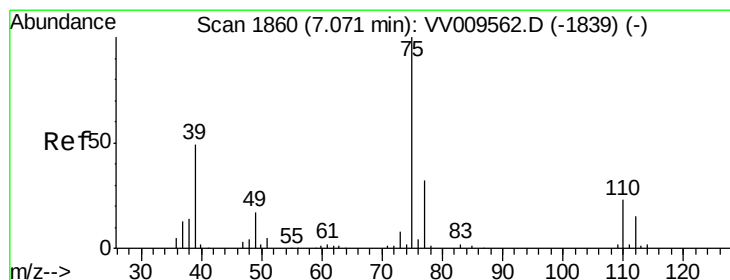
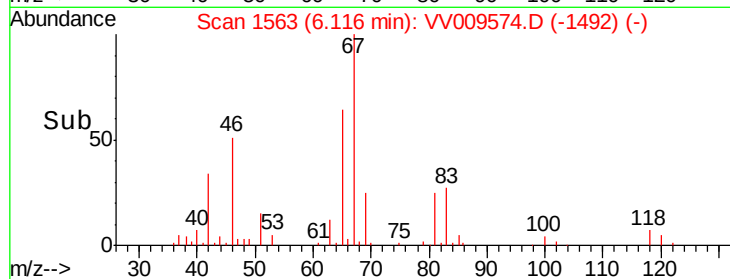
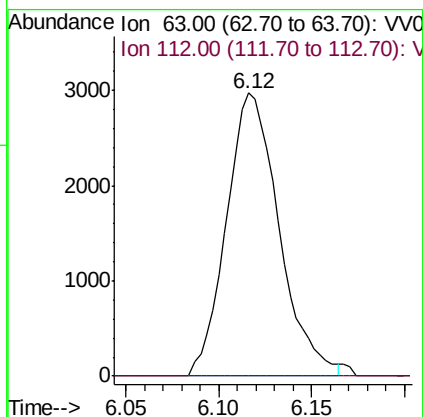
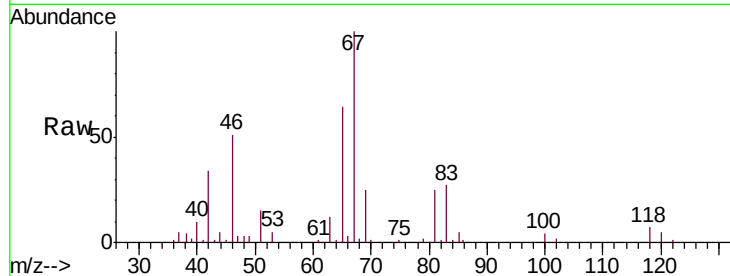




#40
 1,2-Dichloropropane
 Concen: 3.482 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009574.D
 Acq: 10 Mar 2019 18:26

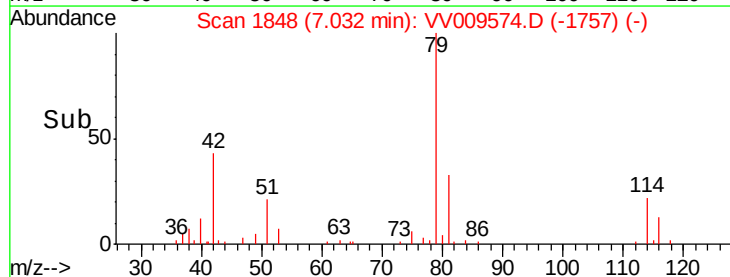
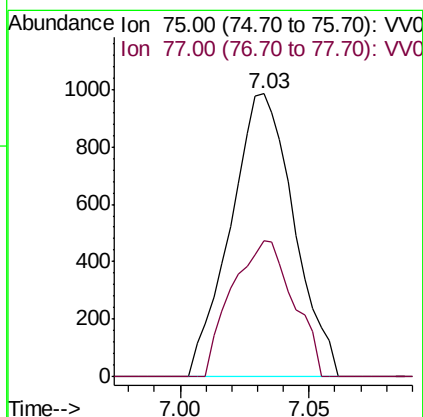
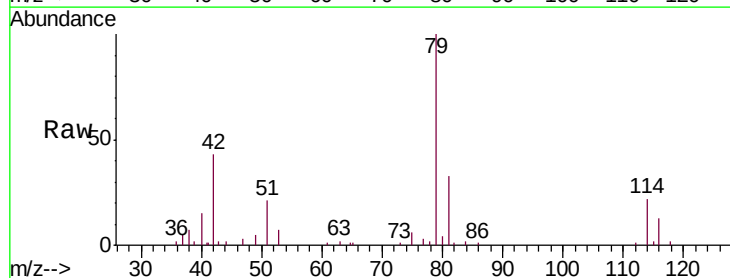
Instrument :
 MSVOA_V
 ClientSampleId :
 BF2K8

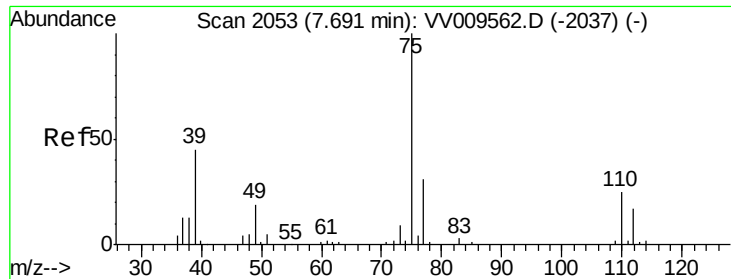
Tgt Ion: 63 Resp: 5859
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.647 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009574.D
 Acq: 10 Mar 2019 18:26

Tgt Ion: 75 Resp: 1690
 Ion Ratio Lower Upper
 75 100
 77 48.2 21.4 39.8#





#45

trans-1,3-Dichloropropene

Concen: 0.507 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009574.D

Acq: 10 Mar 2019 18:26

Instrument :

MSVOA_V

ClientSampleId :

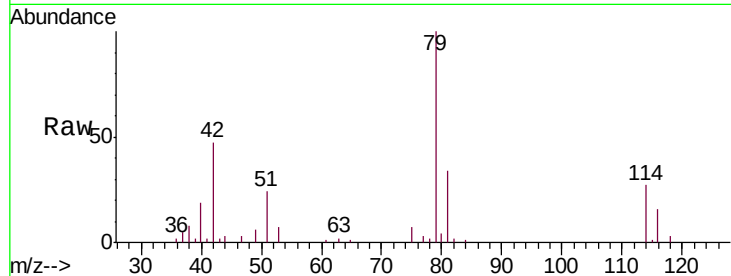
BF2K8

Tgt Ion: 75 Resp: 1156

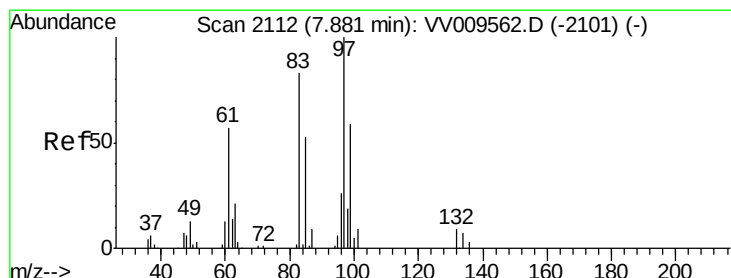
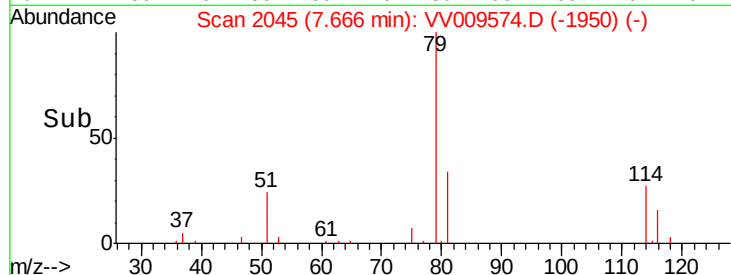
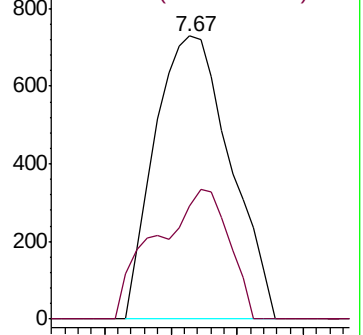
Ion Ratio Lower Upper

75 100

77 39.8 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009562.D (-2037) (-)



#46

1,1,2-Trichloroethane

Concen: 1.135 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV009574.D

Acq: 10 Mar 2019 18:26

Tgt Ion: 97 Resp: 1587

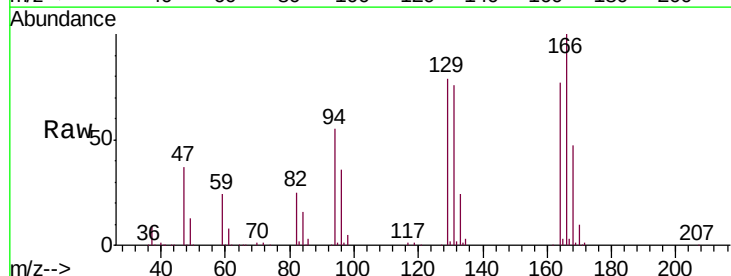
Ion Ratio Lower Upper

97 100

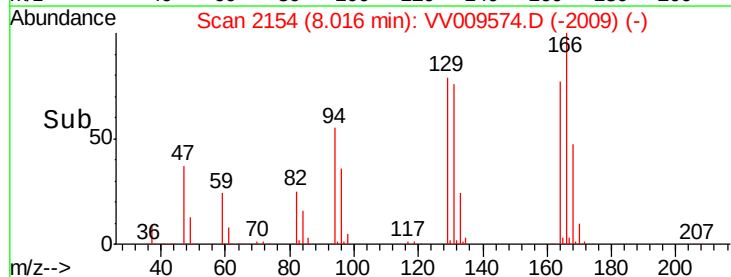
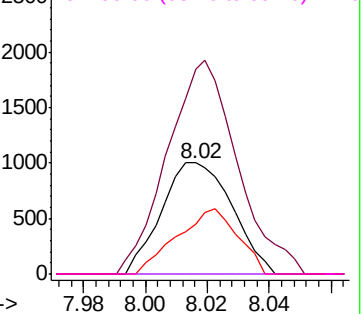
83 184.5 63.8 118.6#

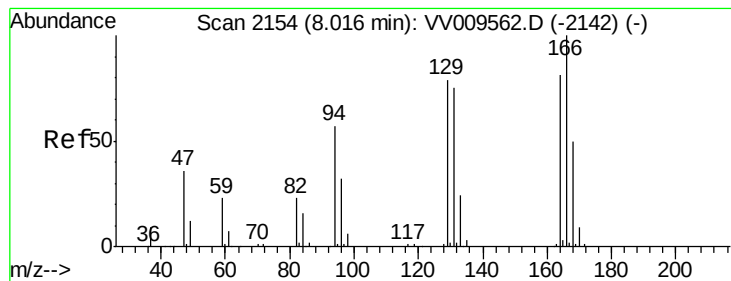
85 44.5 39.5 73.4

99 0.0 45.9 85.3#



Abundance Ion 97.00 (96.70 to 97.70): VV009562.D (-2101) (-)





#47

Tetrachloroethene

Concen: 91.061 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009574.D

Acq: 10 Mar 2019 18:26

Instrument :

MSVOA_V

ClientSampled :

BF2K8

Tgt Ion:164 Resp: 129529

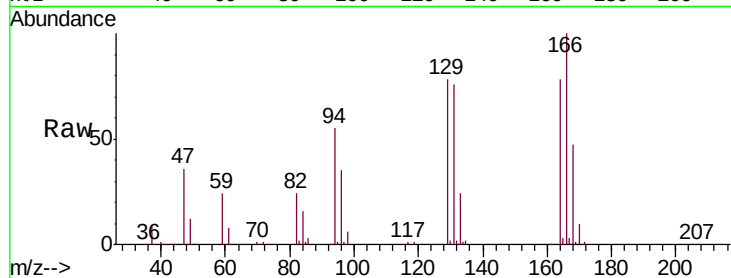
Ion Ratio Lower Upper

164 100

129 100.4 67.7 125.7

131 97.8 67.5 125.3

166 129.0 81.6 151.6

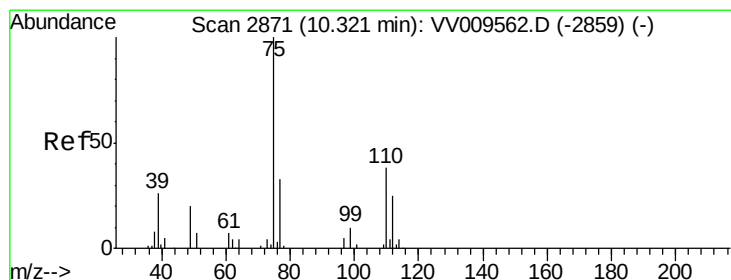
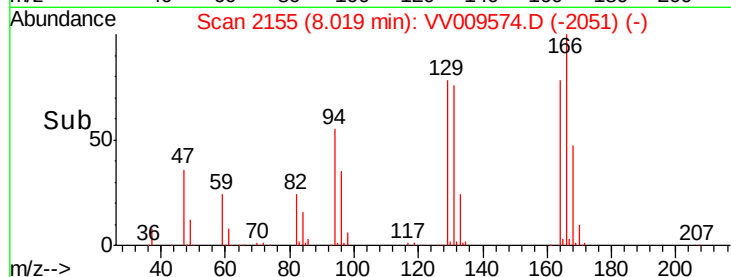
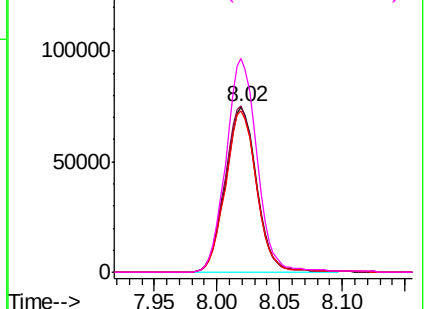


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.635 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009574.D

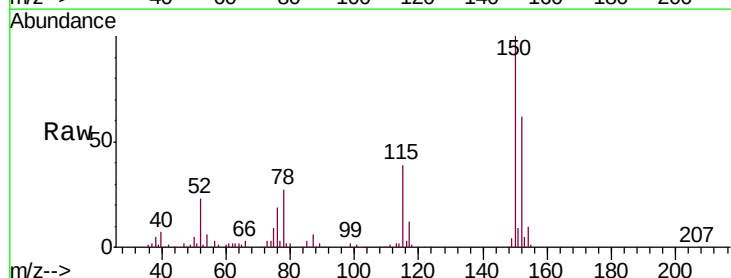
Acq: 10 Mar 2019 18:26

Tgt Ion: 75 Resp: 8018

Ion Ratio Lower Upper

75 100

77 34.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

