

Data File : VV009594.D
Acq On : 11 Mar 2019 14:57
Operator : SY/MD
Sample : K1838-07
Misc : 6.04G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF2L4

Quant Time: Mar 12 04:14:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 04:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	126793	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	126475	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55474	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24197	15.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.40%
7) Chloroethane-d5	1.56	69	30049	13.61	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.44%
10) 1,1-Dichloroethene-d2	2.12	63	59376	14.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.80%
20) 2-Butanone-d5	3.93	46	30266	58.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.38%
24) Chloroform-d	4.40	84	60374	19.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.96%
26) 1,2-Dichloroethane-d4	5.08	65	45854	26.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.76%
29) Benzene-d6	5.10	84	133637	21.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.32%
33) 1,2-Dichloropropane-d6	6.12	67	43536	23.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.20%
37) Toluene-d8	7.36	98	127986	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.84%
38) trans-1,3-Dichloropropene-	7.66	79	19088	21.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.24%
39) 2-Hexanone-d5	8.13	63	23918	55.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	51662	26.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.92%
61) 1,2-Dichlorobenzene-d4	11.68	152	49061	24.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.92%

Target Compounds

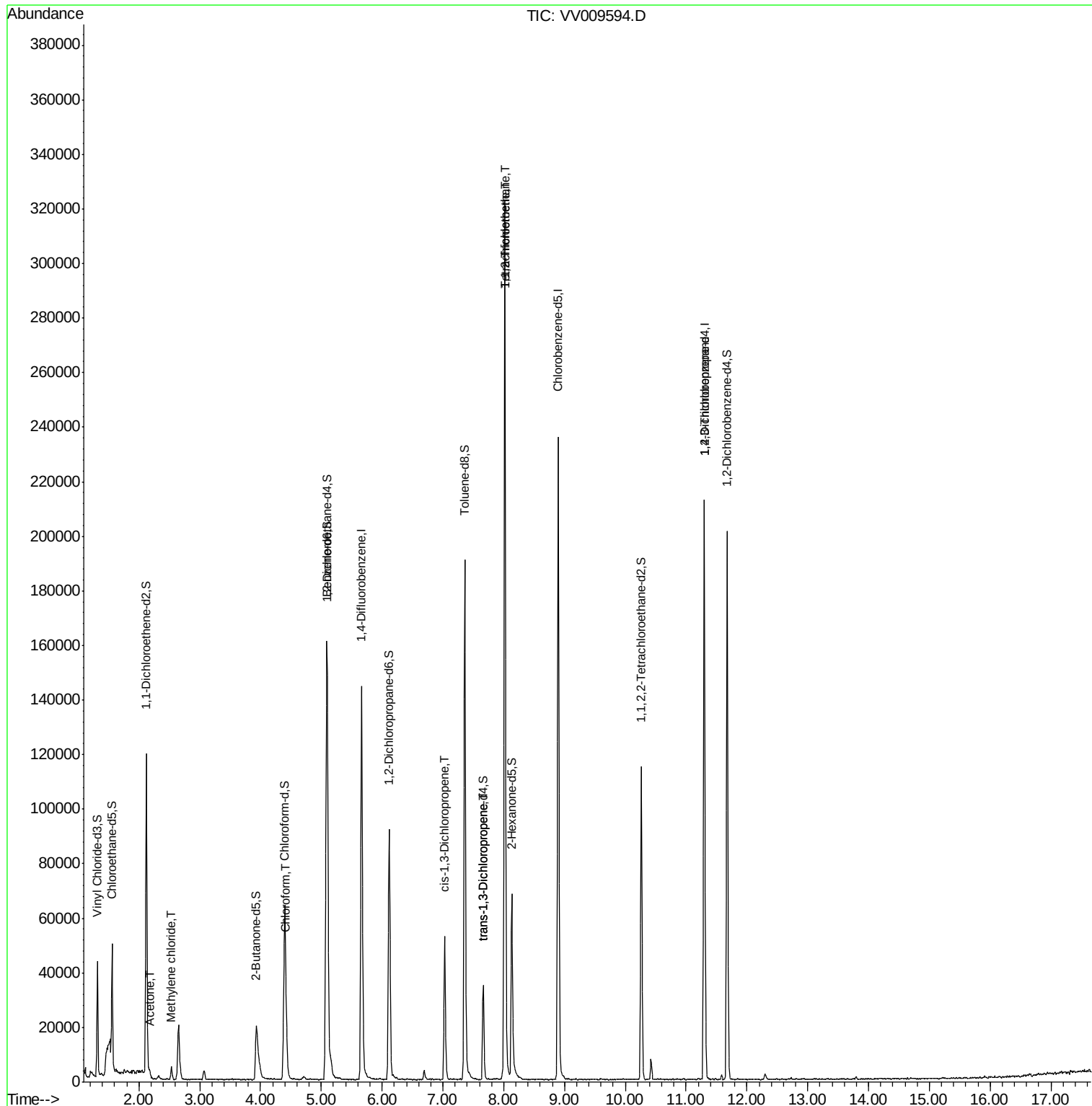
					Qvalue
13) Acetone	2.19	43	773	1.462 ug/L	78
16) Methylene chloride	2.54	84	1591	0.956 ug/L	89
25) Chloroform	4.43	83	8546	2.870 ug/L	93
42) cis-1,3-Dichloropropene	7.03	75	1541	0.589 ug/L	85
45) trans-1,3-Dichloropropene	7.66	75	1080	0.473 ug/L #	82
46) 1,1,2-Trichloroethane	8.02	97	586	0.419 ug/L #	26
47) Tetrachloroethene	8.02	164	63879	44.843 ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	7694	5.399 ug/L	93

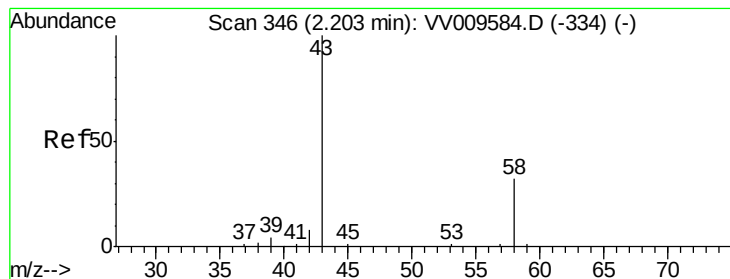
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.462 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV009594.D

Acq: 11 Mar 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

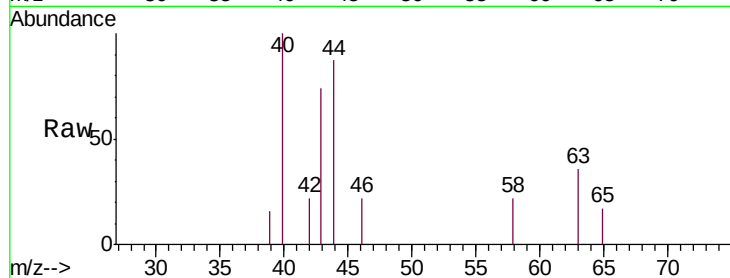
BF2L4

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

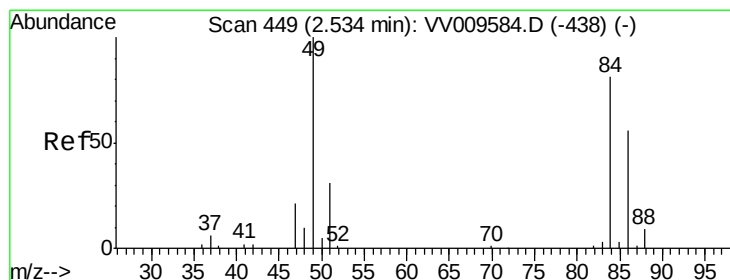
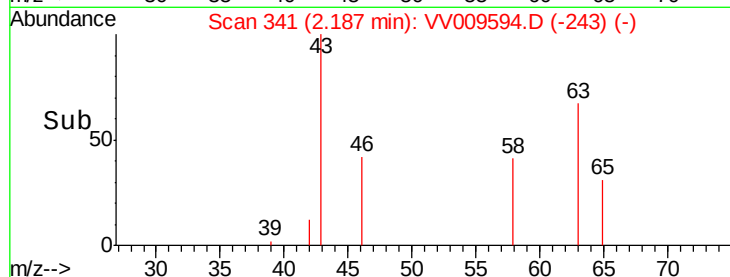
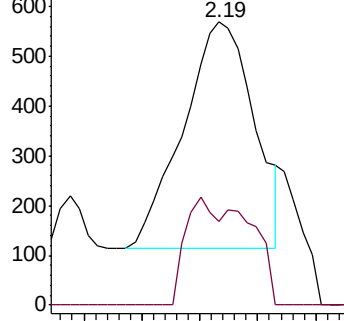
43 100

58 22.0 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009584.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009584.D (-334) (-)



#16

Methylene chloride

Concen: 0.956 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009594.D

Acq: 11 Mar 2019 14:57

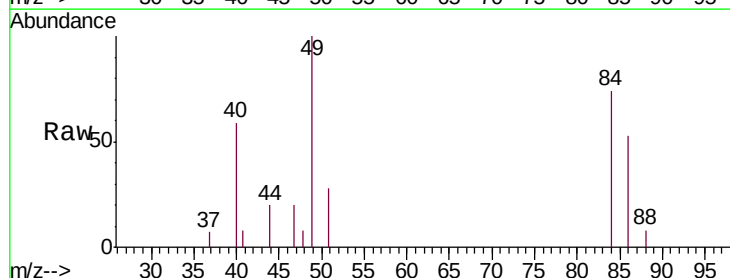
Tgt Ion: 84 Resp: 1591

Ion Ratio Lower Upper

84 100

49 135.9 84.6 157.0

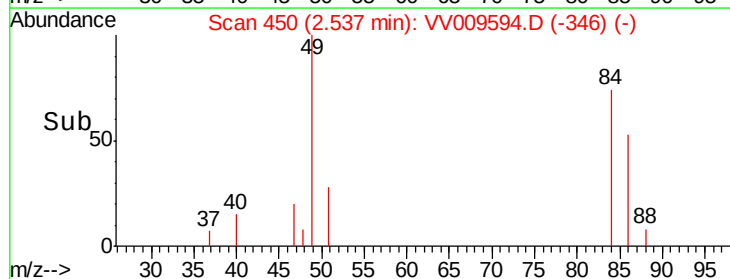
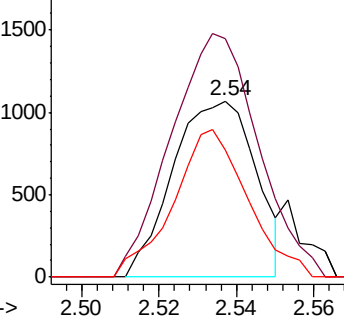
86 72.1 46.1 85.7

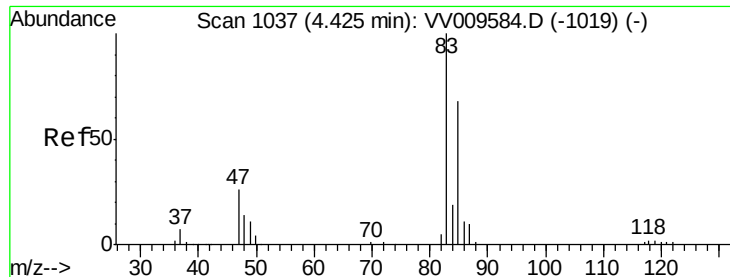


Abundance Ion 84.00 (83.70 to 84.70): VV009584.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV009584.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV009584.D (-438) (-)

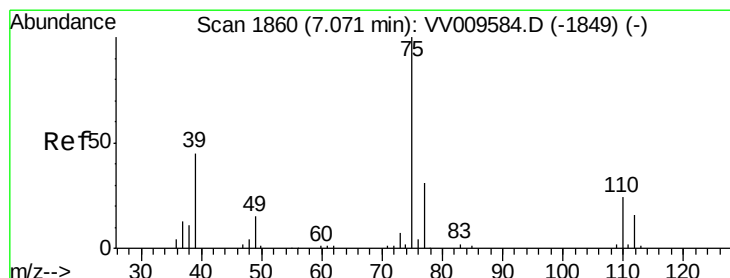
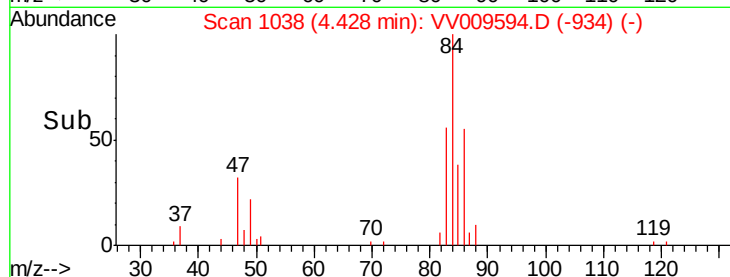
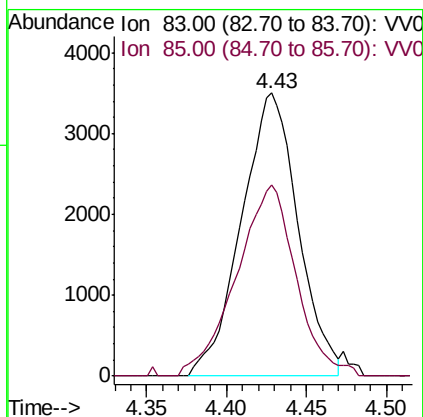
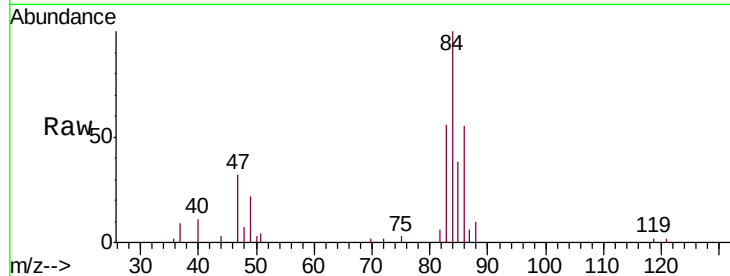




#25
Chloroform
Concen: 2.870 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009594.D
Acq: 11 Mar 2019 14:57

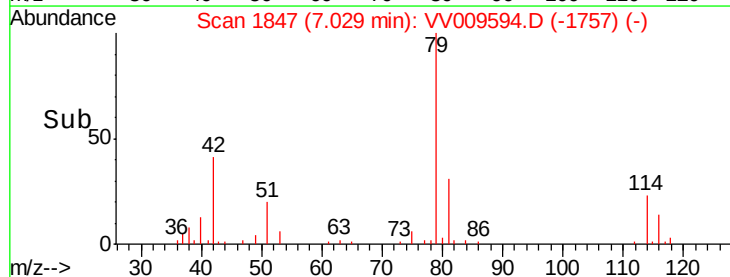
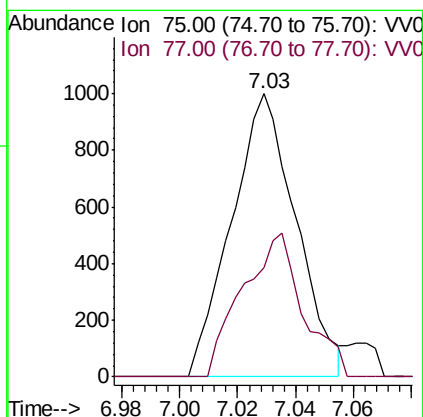
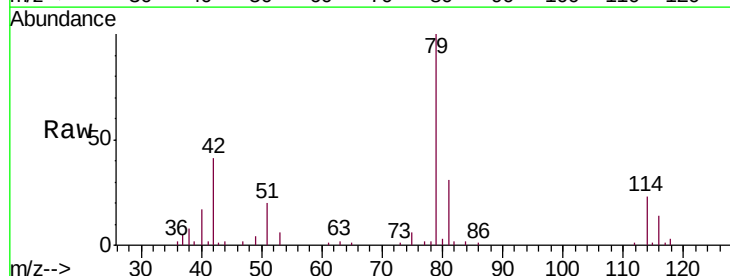
Instrument :
MSVOA_V
ClientSampled :
BF2L4

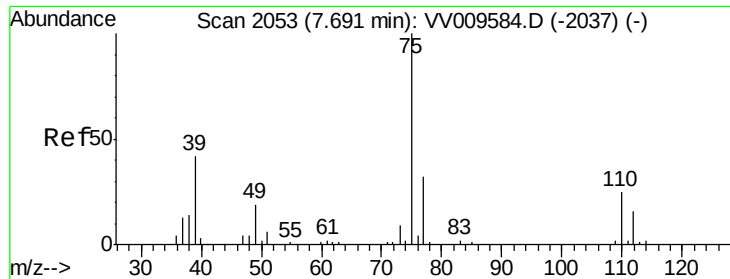
Tgt Ion: 83 Resp: 8546
Ion Ratio Lower Upper
83 100
85 70.0 45.4 84.2



#42
cis-1,3-Dichloropropene
Concen: 0.589 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009594.D
Acq: 11 Mar 2019 14:57

Tgt Ion: 75 Resp: 1541
Ion Ratio Lower Upper
75 100
77 38.5 21.4 39.8





#45

trans-1,3-Dichloropropene

Concen: 0.473 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009594.D

Acq: 11 Mar 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

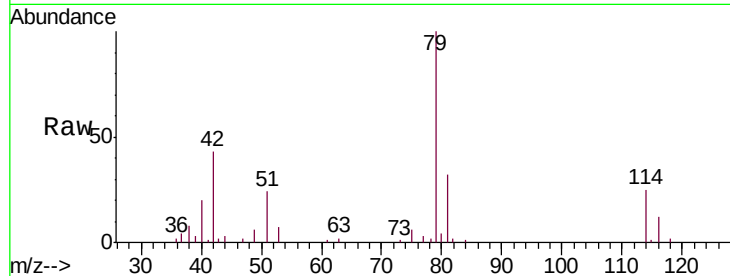
BF2L4

Tgt Ion: 75 Resp: 1080

Ion Ratio Lower Upper

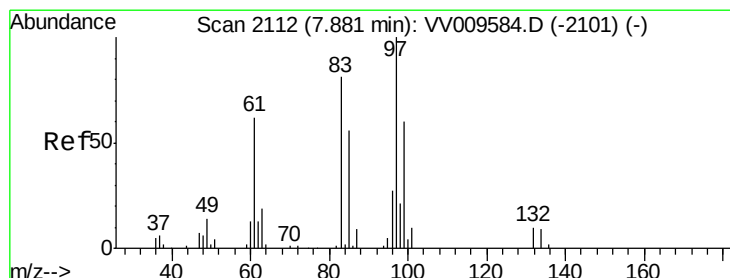
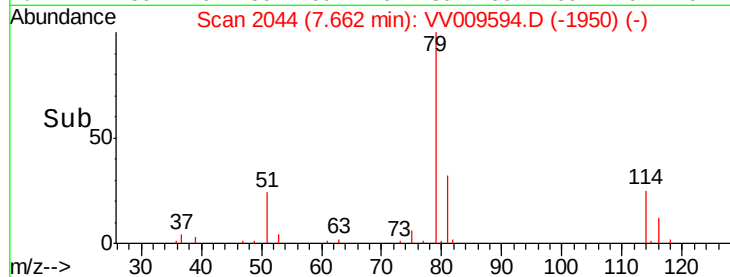
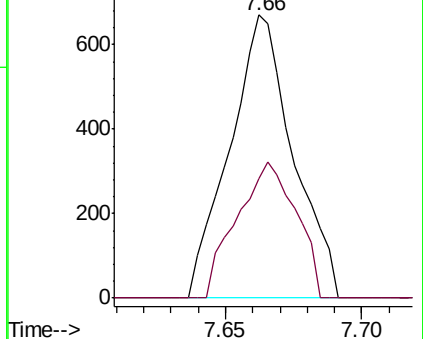
75 100

77 42.4 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#46

1,1,2-Trichloroethane

Concen: 0.419 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.14 min

Lab File: VV009594.D

Acq: 11 Mar 2019 14:57

Tgt Ion: 97 Resp: 586

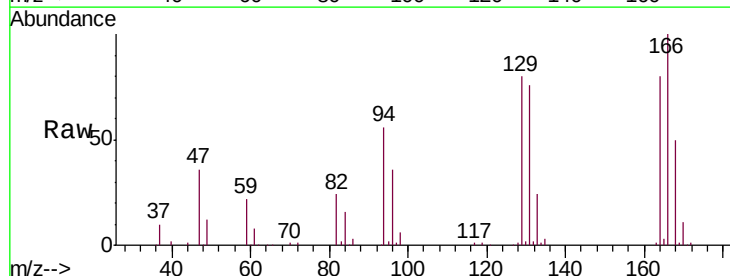
Ion Ratio Lower Upper

97 100

83 192.4 63.8 118.6#

85 48.8 39.5 73.4

99 0.0 45.9 85.3#

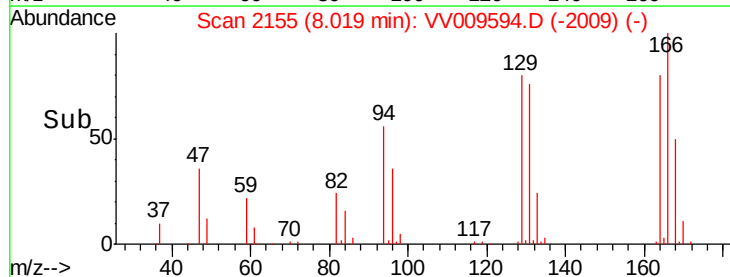
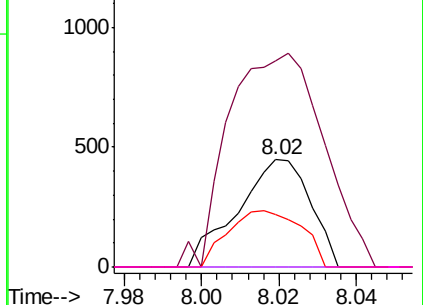


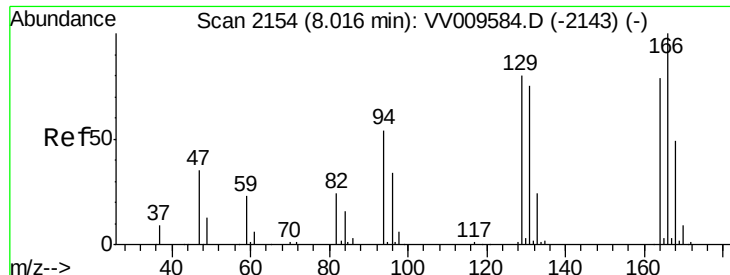
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

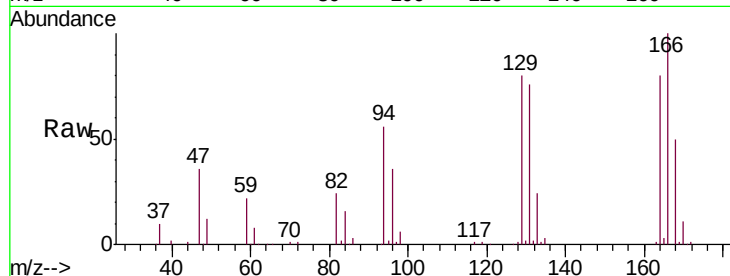




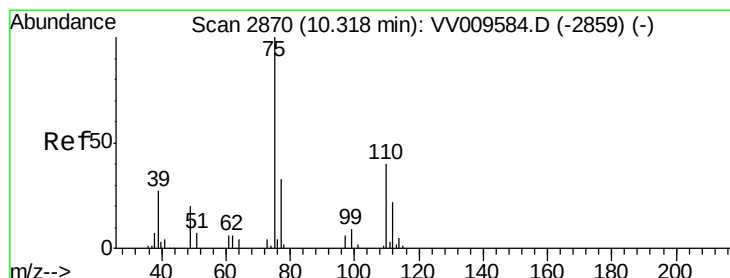
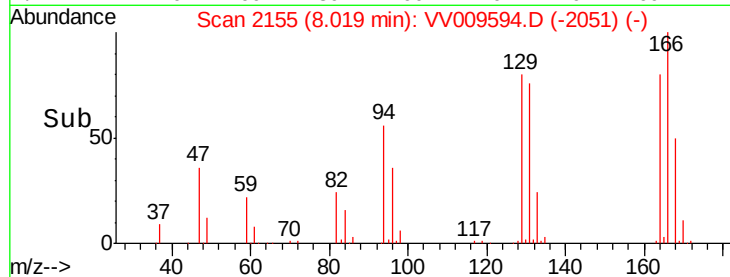
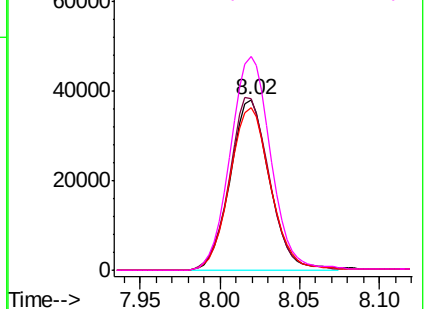
#47
Tetrachloroethene
Concen: 44.843 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV009594.D
Acq: 11 Mar 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
BF2L4

Tgt Ion:164 Resp: 63879
Ion Ratio Lower Upper
164 100
129 100.9 67.7 125.7
131 95.4 67.5 125.3
166 125.3 81.6 151.6

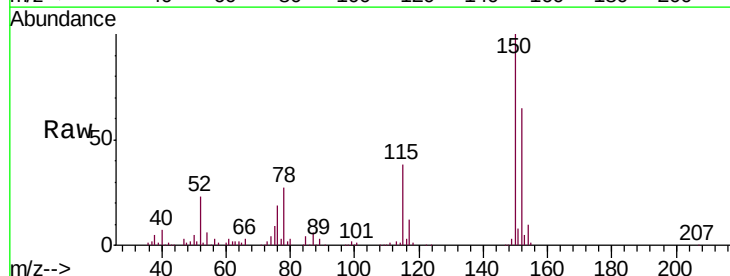


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#59
1,2,3-Trichloropropane
Concen: 5.399 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV009594.D
Acq: 11 Mar 2019 14:57

Tgt Ion: 75 Resp: 7694
Ion Ratio Lower Upper
75 100
77 36.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

