

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
 Data File : VV010132.D
 Acq On : 05 Apr 2019 15:46
 Operator : SY/MD
 Sample : K2168-06
 Misc : 5.00G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF647

Quant Time: Apr 05 23:49:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:46:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	144974	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	155221	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62690	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28786	14.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.32%
7) Chloroethane-d5	1.56	69	31883	13.23	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.92%
10) 1,1-Dichloroethene-d2	2.12	63	60316	12.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.28%
20) 2-Butanone-d5	4.14	46	259	0.47	ug/L	0.20
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.94%#
24) Chloroform-d	4.40	84	91164	24.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.84%
26) 1,2-Dichloroethane-d4	5.08	65	69202	33.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	135.48%#
29) Benzene-d6	5.10	84	185516	23.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.20%
33) 1,2-Dichloropropane-d6	6.11	67	64494	27.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.60%
37) Toluene-d8	7.36	98	175967	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.76%
38) trans-1,3-Dichloropropene-	7.66	79	24275	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.60%
39) 2-Hexanone-d5	8.13	63	25437	53.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	75256	32.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	128.48%#
61) 1,2-Dichlorobenzene-d4	11.67	152	70862	29.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	116.08%

Target Compounds

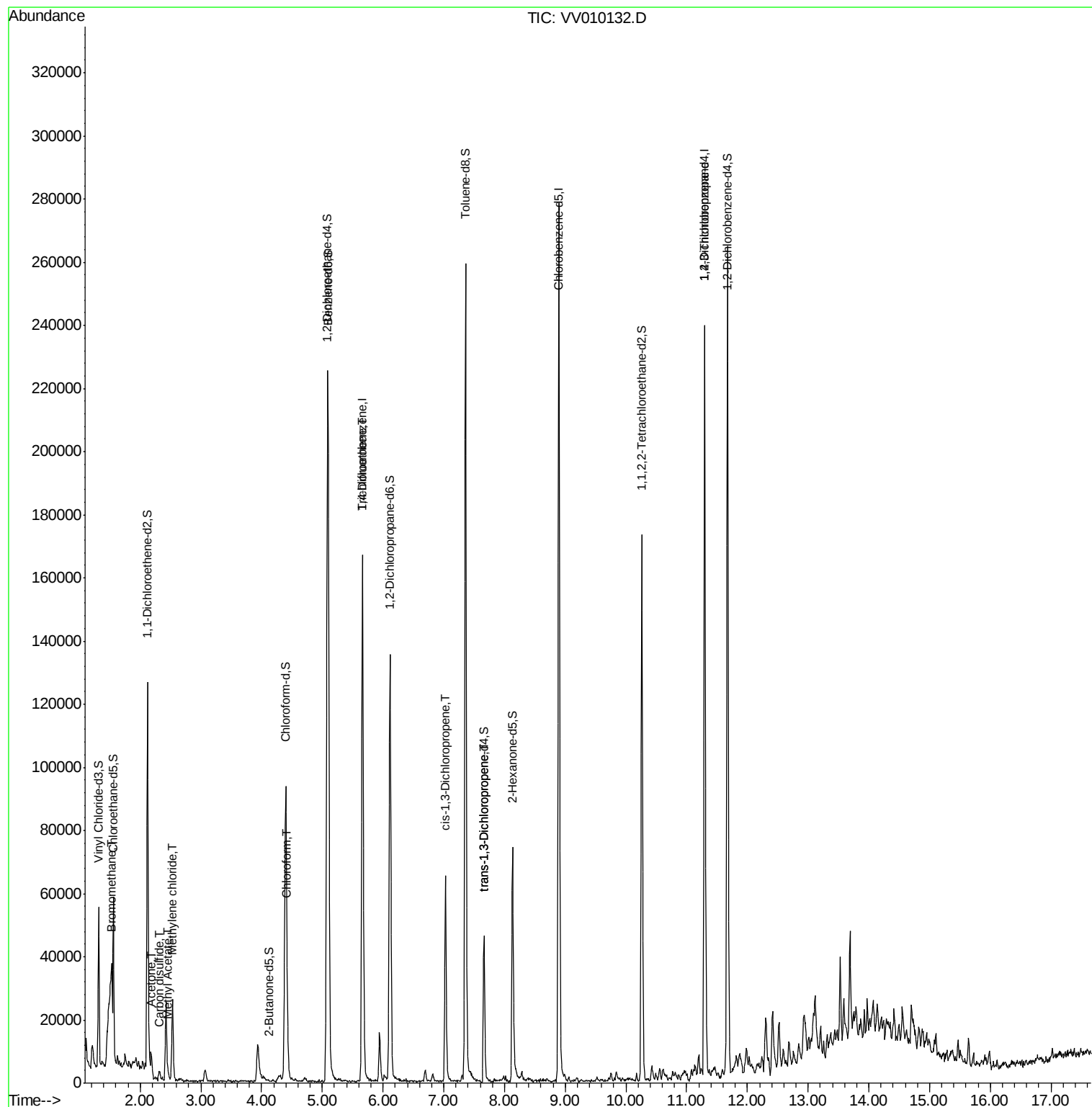
					Qvalue
6) Bromomethane	1.51	94	1011	0.439 ug/L	52
13) Acetone	2.19	43	6054	11.087 ug/L	93
14) Carbon disulfide	2.31	76	1203	0.292 ug/L #	75
15) Methyl Acetate	2.46	43	2882	3.299 ug/L #	80
16) Methylene chloride	2.53	84	11489	4.511 ug/L	92
25) Chloroform	4.43	83	3492	1.059 ug/L	97
35) Trichloroethene	5.67	95	4361	1.996 ug/L #	4
42) cis-1,3-Dichloropropene	7.03	75	2091	0.753 ug/L #	75
45) trans-1,3-Dichloropropene	7.67	75	1434	0.607 ug/L #	80
59) 1,2,3-Trichloropropane	11.30	75	7680	4.903 ug/L	89

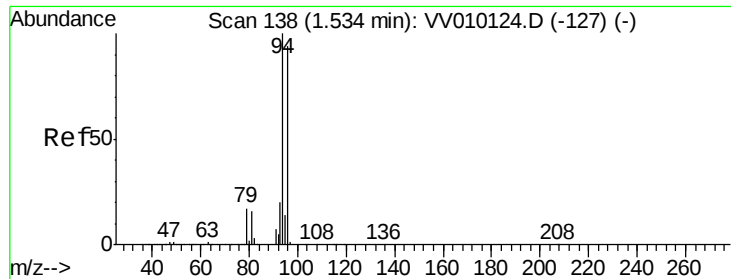
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.439 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.02 min

Lab File: VV010132.D

Acq: 05 Apr 2019 15:46

Instrument :

MSVOA_V

ClientSampleId :

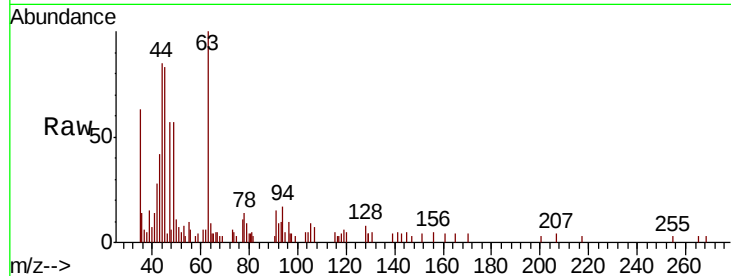
BF647

Tgt Ion: 94 Resp: 1011

Ion Ratio Lower Upper

94 100

96 47.1 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

600

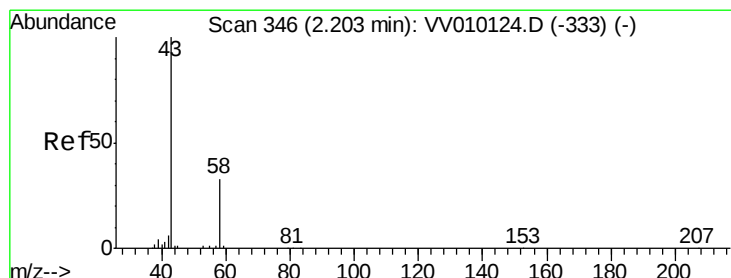
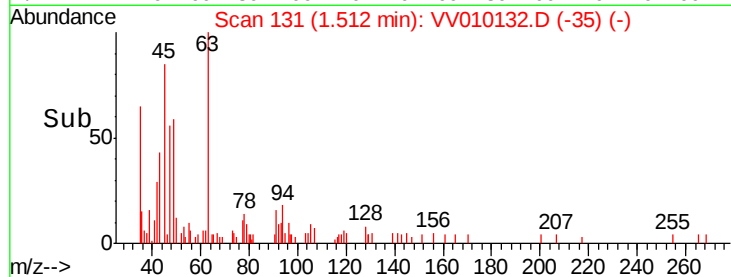
400

200

0

1.48 1.50 1.52 1.54 1.56

Time-->



#13

Acetone

Concen: 11.087 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV010132.D

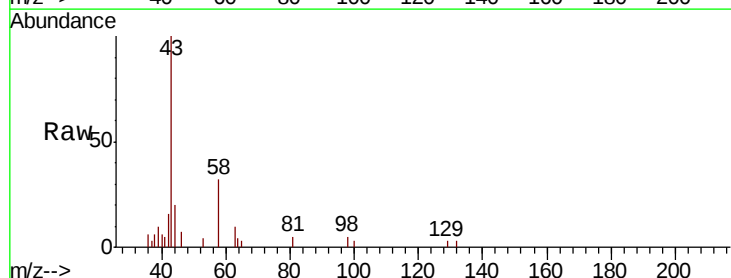
Acq: 05 Apr 2019 15:46

Tgt Ion: 43 Resp: 6054

Ion Ratio Lower Upper

43 100

58 28.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

4000

3000

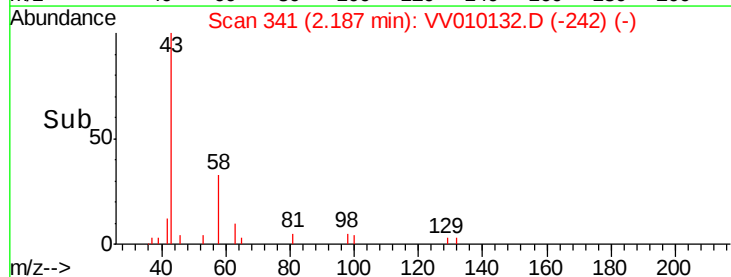
2000

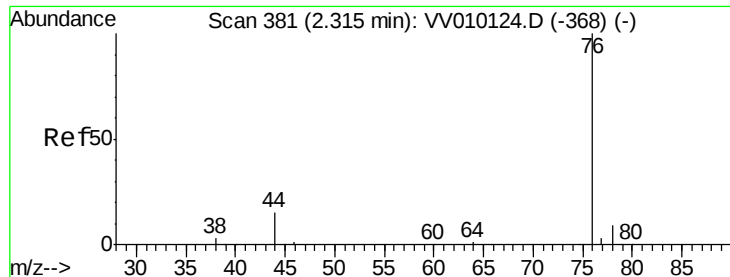
1000

0

2.15 2.20 2.25

Time-->

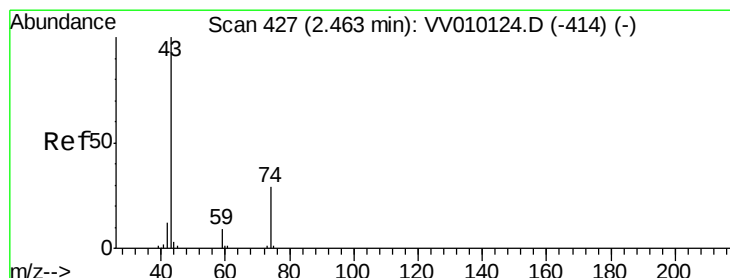
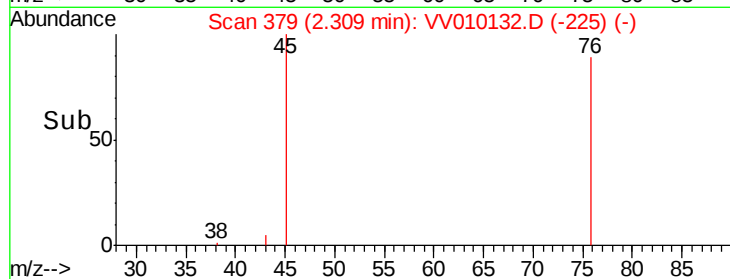
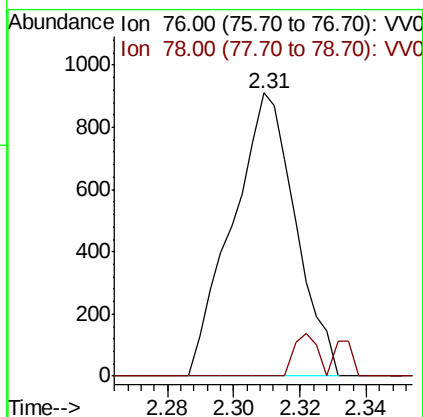
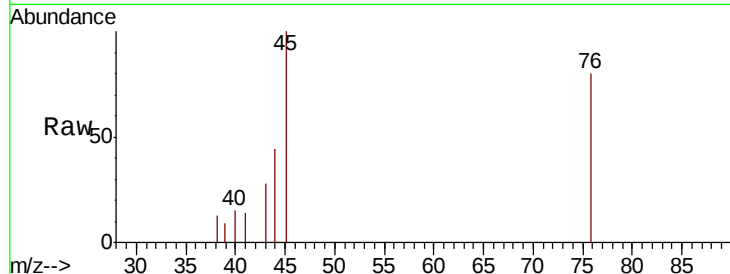




#14
Carbon disulfide
Concen: 0.292 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.01 min
Lab File: VV010132.D
Acq: 05 Apr 2019 15:46

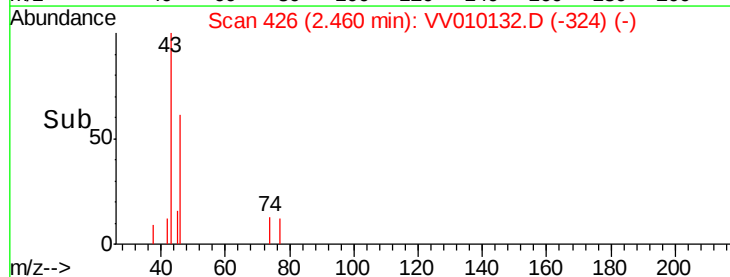
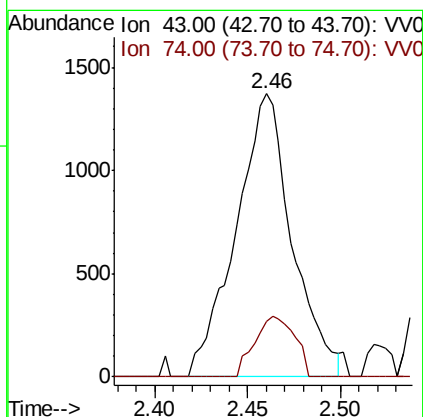
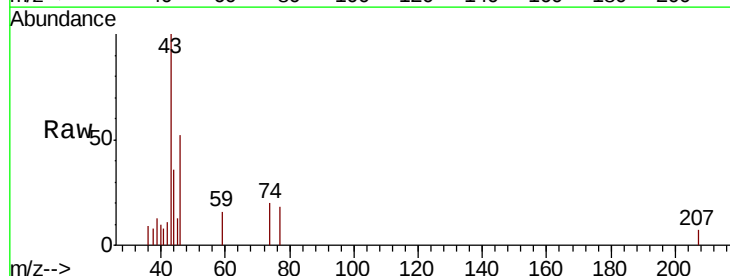
Instrument :
MSVOA_V
ClientSampled :
BF647

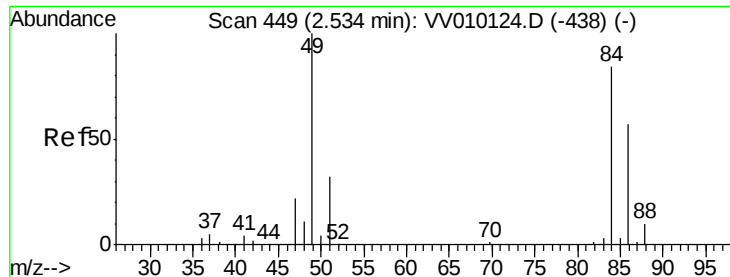
Tgt Ion: 76 Resp: 1203
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#15
Methyl Acetate
Concen: 3.299 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV010132.D
Acq: 05 Apr 2019 15:46

Tgt Ion: 43 Resp: 2882
Ion Ratio Lower Upper
43 100
74 15.2 20.0 30.0#

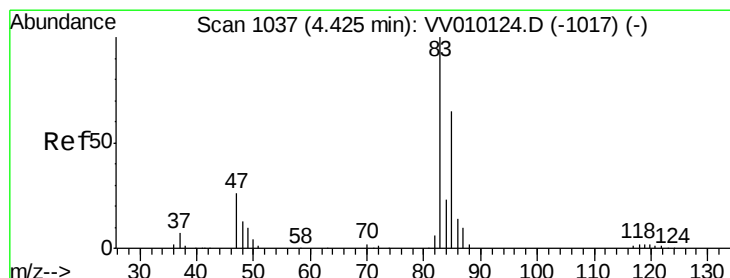
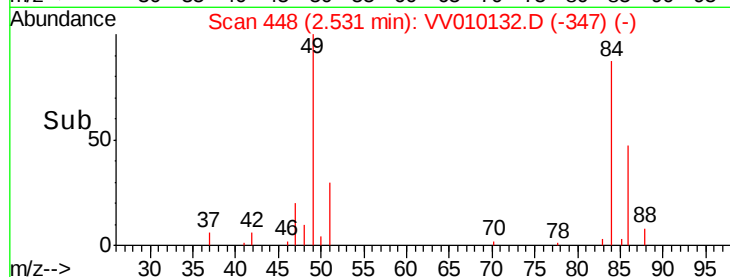
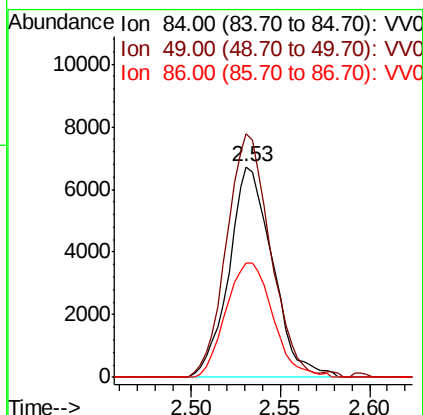
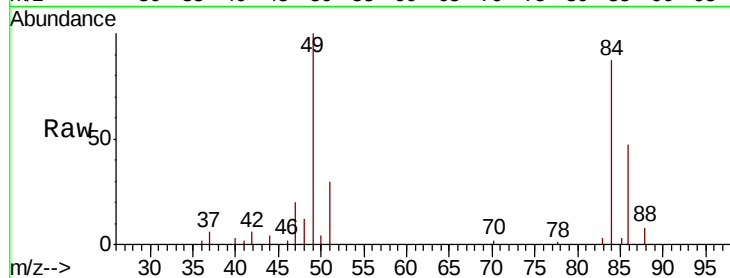




#16
Methylene chloride
Concen: 4.511 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.01 min
Lab File: VV010132.D
Acq: 05 Apr 2019 15:46

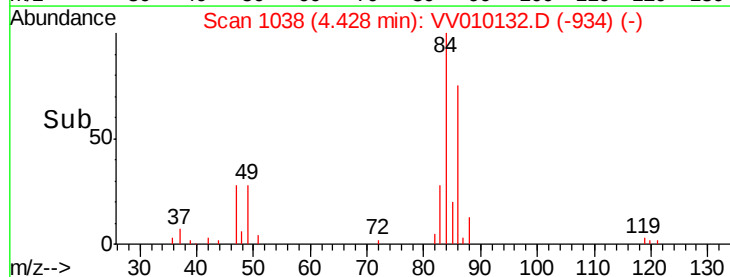
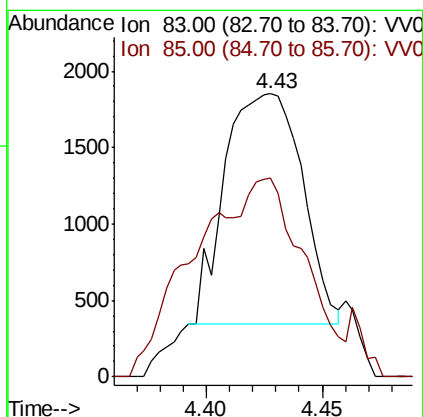
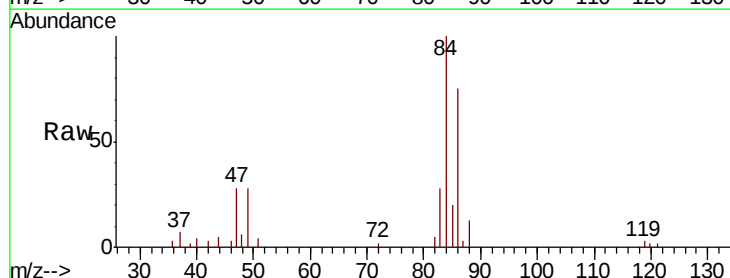
Instrument :
MSVOA_V
ClientSampleId :
BF647

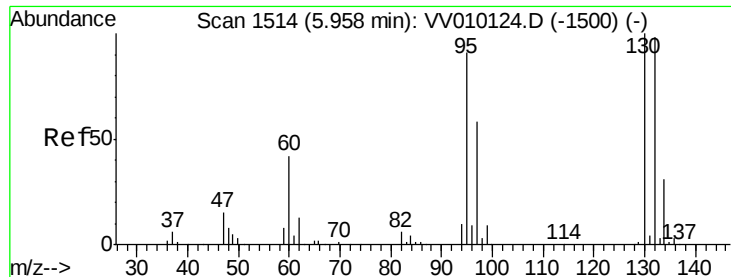
Tgt Ion: 84 Resp: 11489
Ion Ratio Lower Upper
84 100
49 115.5 84.3 156.5
86 54.0 45.4 84.2



#25
Chloroform
Concen: 1.059 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010132.D
Acq: 05 Apr 2019 15:46

Tgt Ion: 83 Resp: 3492
Ion Ratio Lower Upper
83 100
85 64.2 46.4 86.2





#35

Trichloroethene

Concen: 1.996 ug/L

RT: 5.67 min Scan# 1423

Delta R.T. -0.29 min

Lab File: VV010132.D

Acq: 05 Apr 2019 15:46

Instrument :

MSVOA_V

ClientSampleId :

BF647

Tgt Ion: 95 Resp: 4361

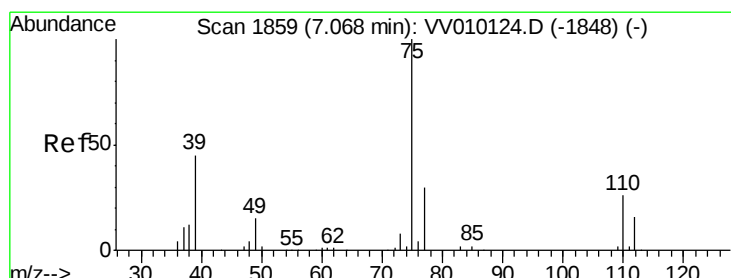
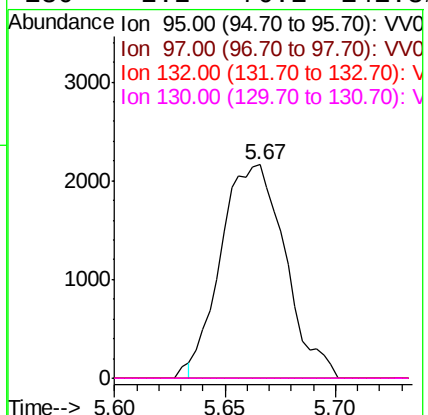
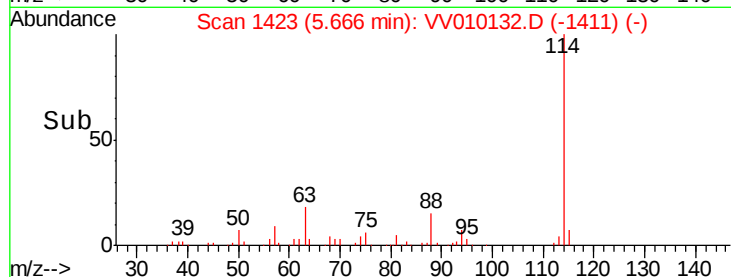
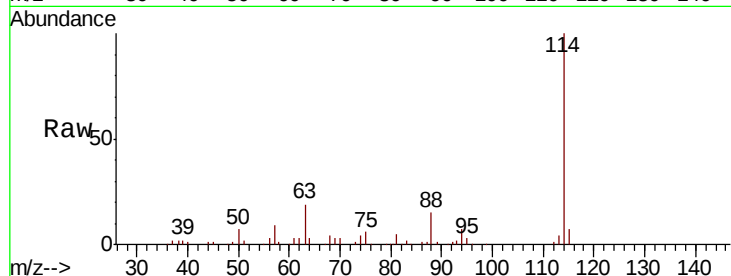
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 2.3 70.6 131.0#

130 2.2 76.1 141.3#



#42

cis-1,3-Dichloropropene

Concen: 0.753 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV010132.D

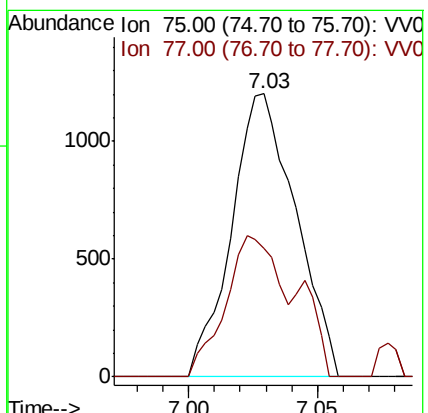
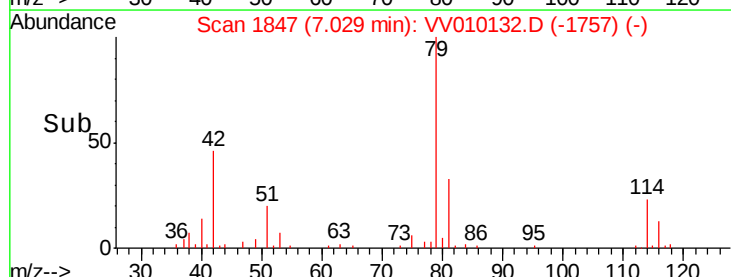
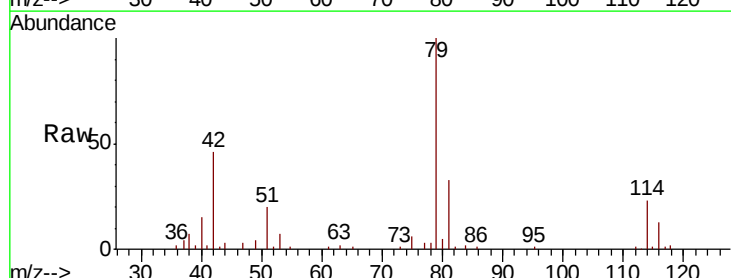
Acq: 05 Apr 2019 15:46

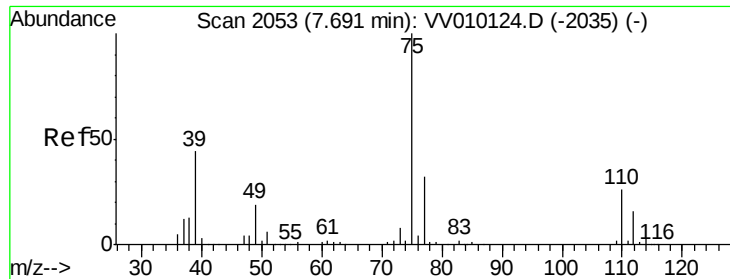
Tgt Ion: 75 Resp: 2091

Ion Ratio Lower Upper

75 100

77 45.5 22.1 41.1#





#45

trans-1,3-Dichloropropene

Concen: 0.607 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010132.D

Acq: 05 Apr 2019 15:46

Instrument :

MSVOA_V

ClientSampleId :

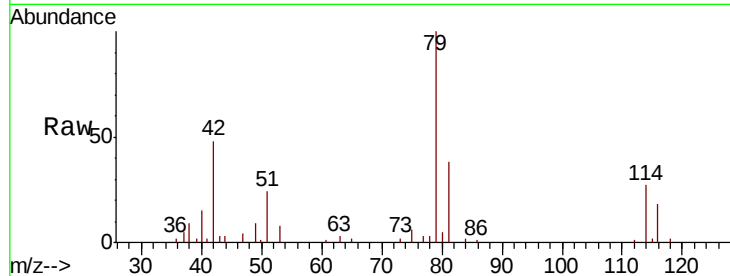
BF647

Tgt Ion: 75 Resp: 1434

Ion Ratio Lower Upper

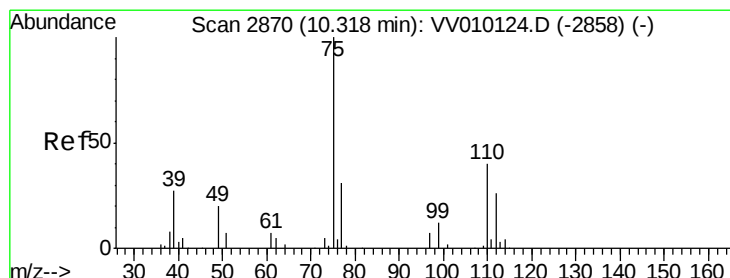
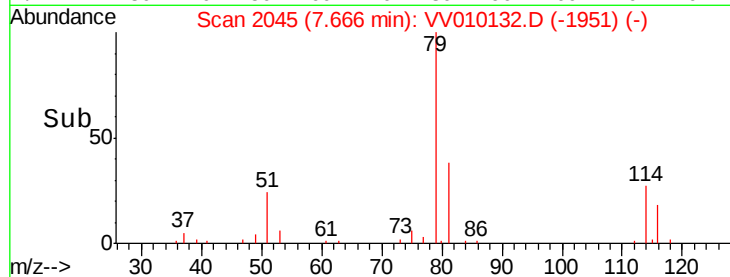
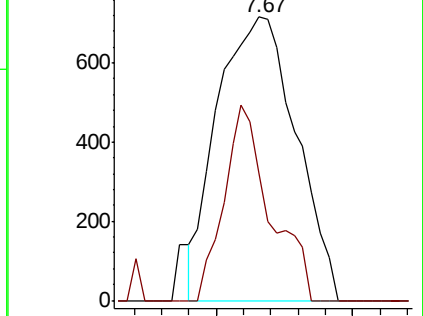
75 100

77 44.8 23.5 43.7#



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: 4.903 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010132.D

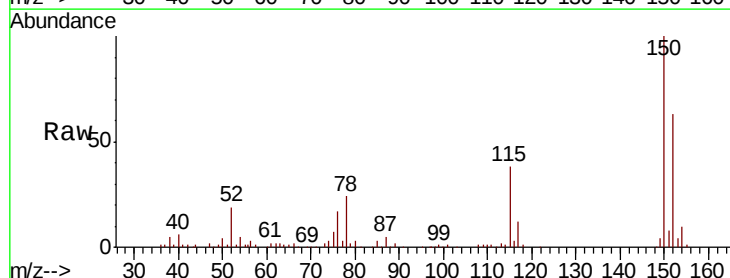
Acq: 05 Apr 2019 15:46

Tgt Ion: 75 Resp: 7680

Ion Ratio Lower Upper

75 100

77 38.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

