

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121219\
 Data File : VW014326.D
 Acq On : 12 Dec 2019 15:12
 Operator : SY/VA
 Sample : K6236-14
 Misc : 5.78G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFEW1

Quant Time: Dec 13 06:10:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 13 06:08:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1286118	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	982196	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	317031	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	445600	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.52%
7) Chloroethane-d5	2.89	69	358016	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.88%
10) 1,1-Dichloroethene-d2	4.01	63	595550	17.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.24%
20) 2-Butanone-d5	7.07	46	248468	48.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.92%
24) Chloroform-d	7.65	84	808866	24.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	8.30	65	437058	25.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.84%
29) Benzene-d6	8.27	84	1719033	29.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	119.44%
33) 1,2-Dichloropropane-d6	9.27	67	539441	30.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.84%#
37) Toluene-d8	10.32	98	1419802	27.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.12%
38) trans-1,3-Dichloropropene-	10.58	79	201660	27.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.56%
39) 2-Hexanone-d5	10.92	63	215082	61.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	343271	23.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	303464	25.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.20%

Target Compounds

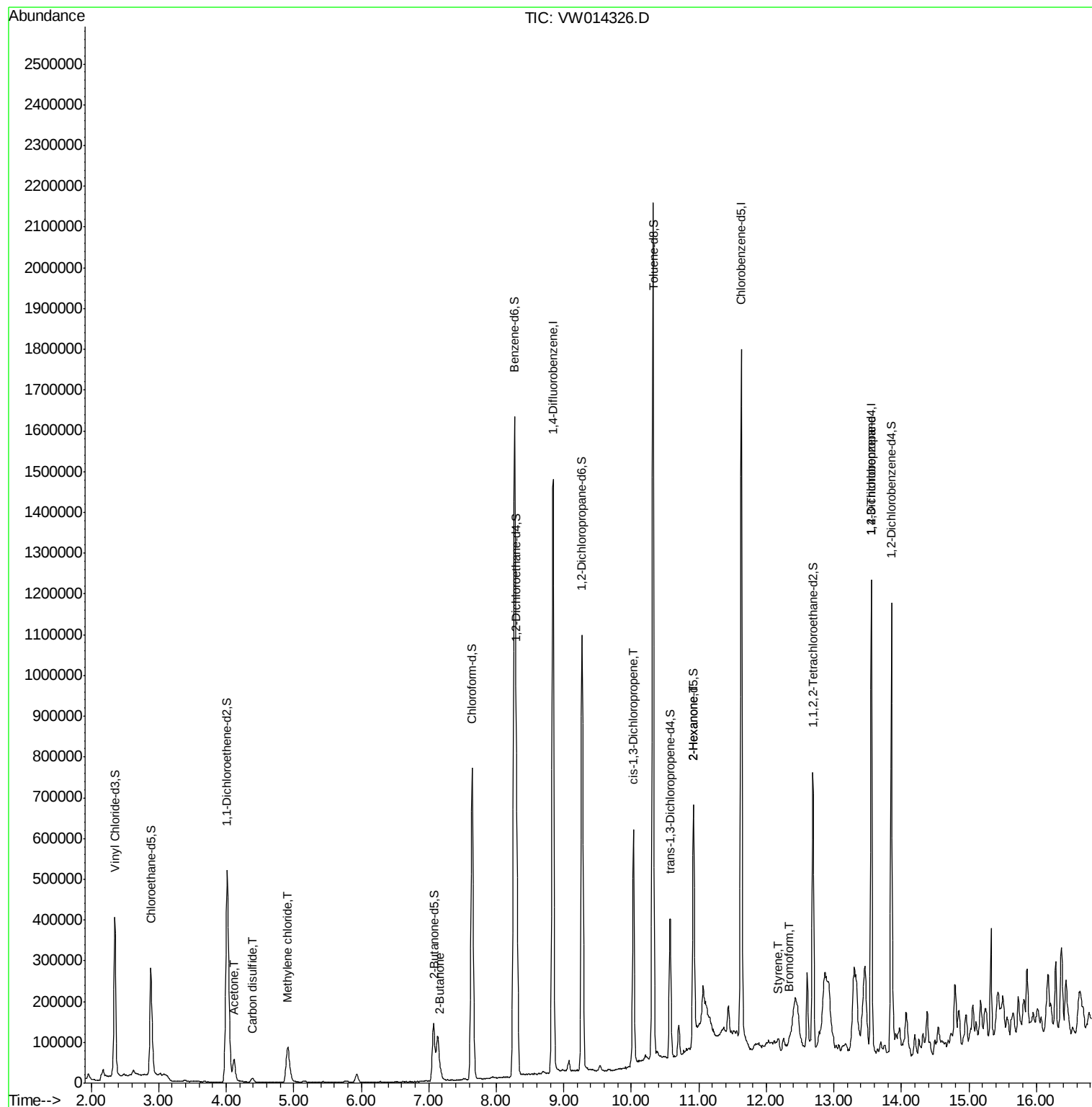
					Ovalue
13) Acetone	4.12	43	93013	19.009	ug/L 99
14) Carbon disulfide	4.38	76	12131	0.230	ug/L 97
16) Methylene chloride	4.92	84	78542	3.984	ug/L 98
21) 2-Butanone	7.17	43	35252	5.366	ug/L 95
42) cis-1,3-Dichloropropene	10.03	75	12552	0.525	ug/L # 56
49) 2-Hexanone	10.92	43	24793	3.305	ug/L # 67
56) Styrene	12.18	104	13914	0.315	ug/L 80
59) 1,2,3-Trichloropropane	13.55	75	36793	3.332	ug/L 94
62) Bromoform	12.34	173	2834	0.527	ug/L # 43

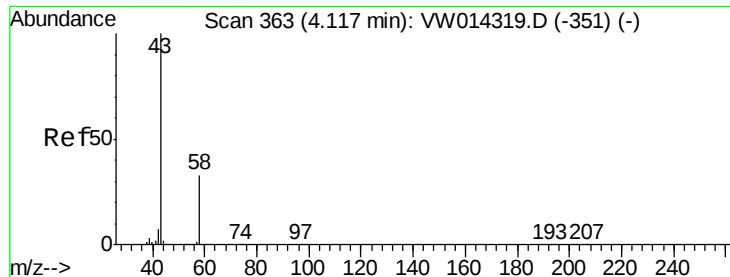
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 19.009 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014326.D

Acq: 12 Dec 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

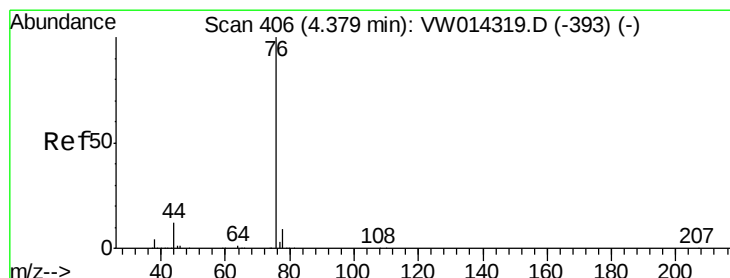
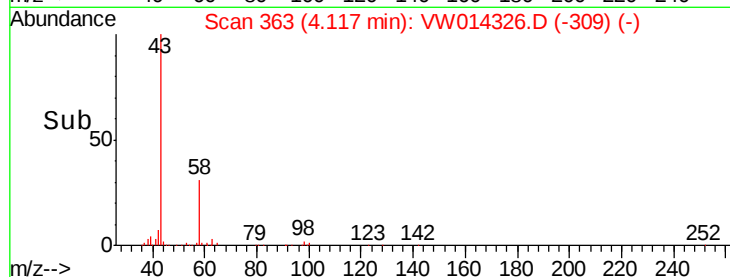
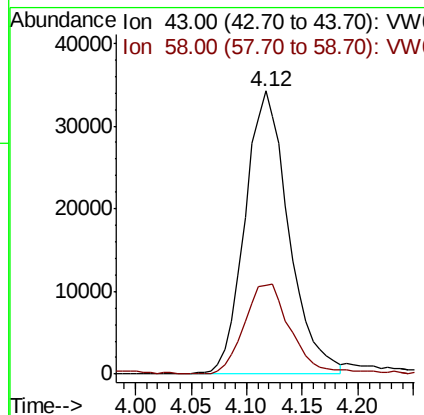
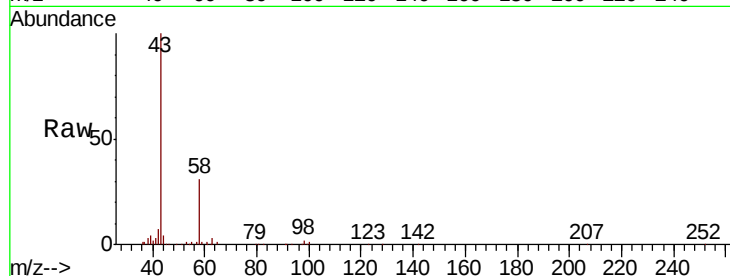
BFEW1

Tot Ion: 43 Resp: 93013

Ion Ratio Lower Upper

43 100

58 33.1 0.0 65.4



#14

Carbon disulfide

Concen: 0.230 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014326.D

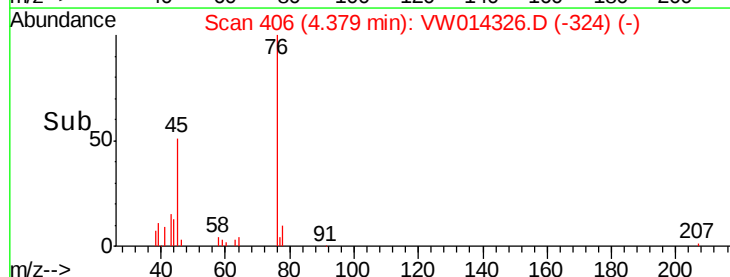
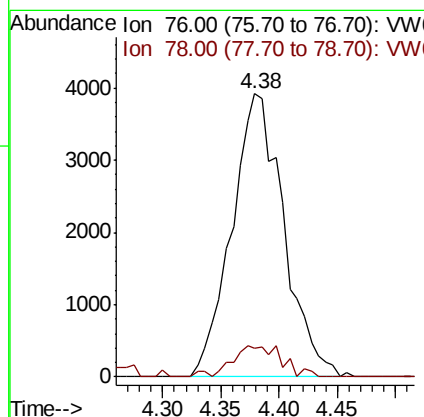
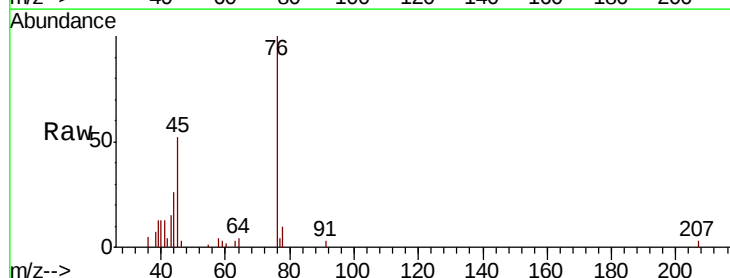
Acq: 12 Dec 2019 15:12

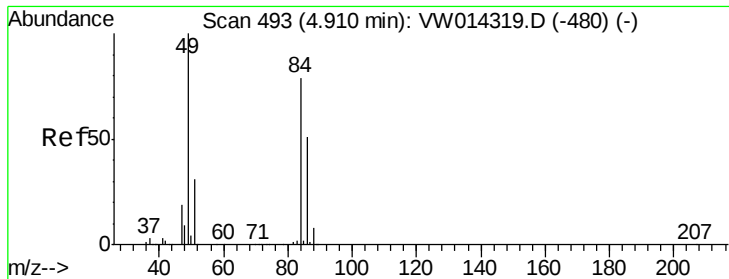
Tgt Ion: 76 Resp: 12131

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8

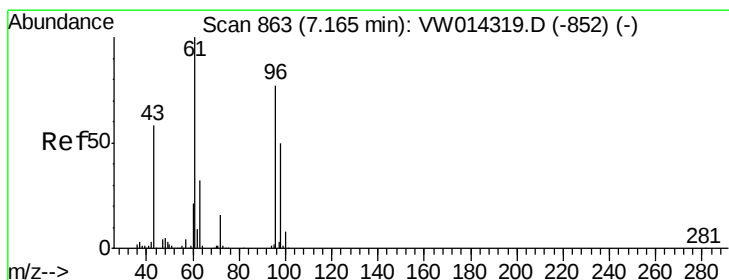
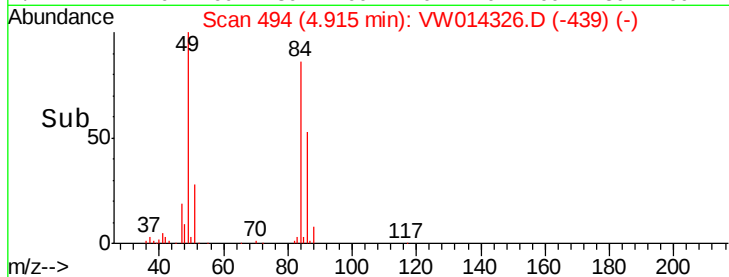
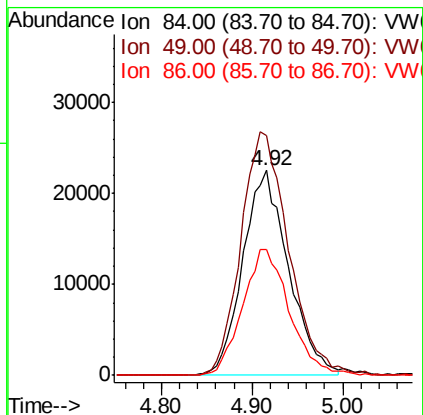
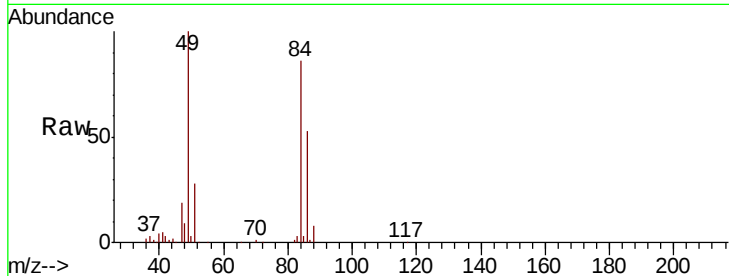




#16
Methylene chloride
Concen: 3.984 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014326.D
Acq: 12 Dec 2019 15:12

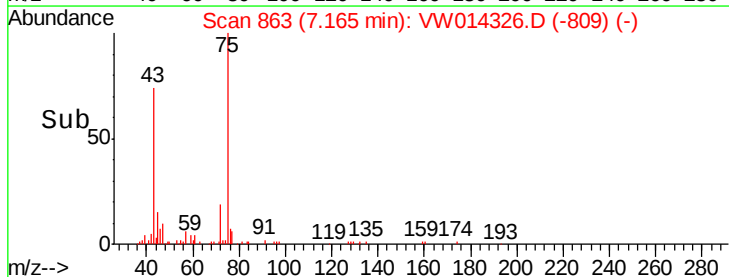
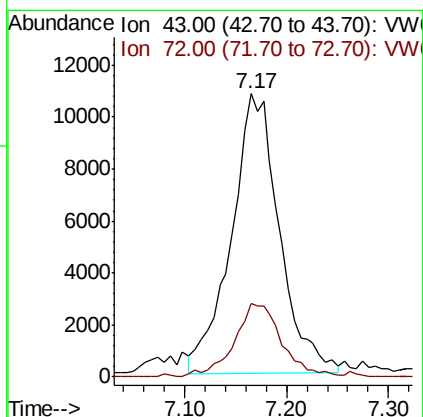
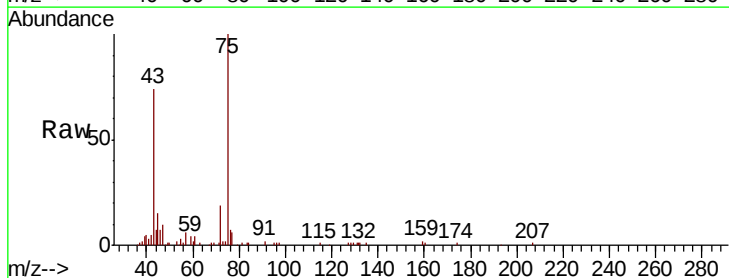
Instrument :
MSVOA_W
ClientSampled :
BFEW1

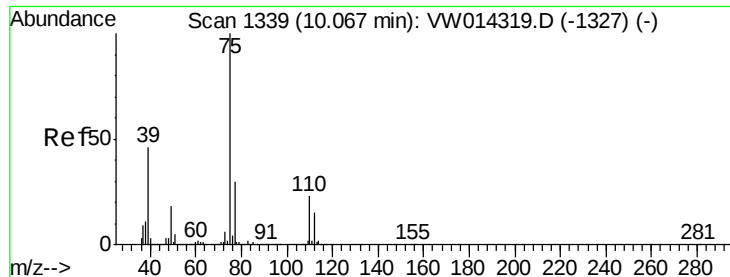
Tot Ion: 84 Resp: 78542
Ion Ratio Lower Upper
84 100
49 116.8 84.2 156.4
86 61.6 43.7 81.1



#21
2-Butanone
Concen: 5.366 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014326.D
Acq: 12 Dec 2019 15:12

Tgt Ion: 43 Resp: 35252
Ion Ratio Lower Upper
43 100
72 25.3 14.1 42.2





#42

cis-1,3-Dichloropropene

Concen: 0.525 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014326.D

Acq: 12 Dec 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

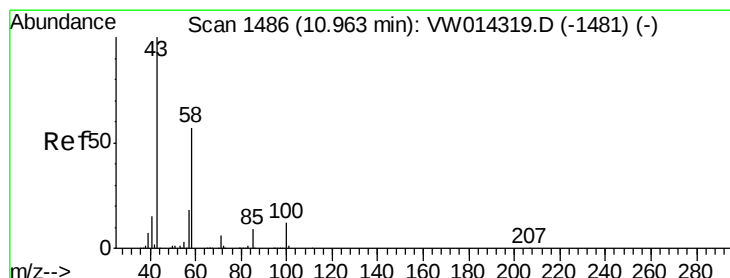
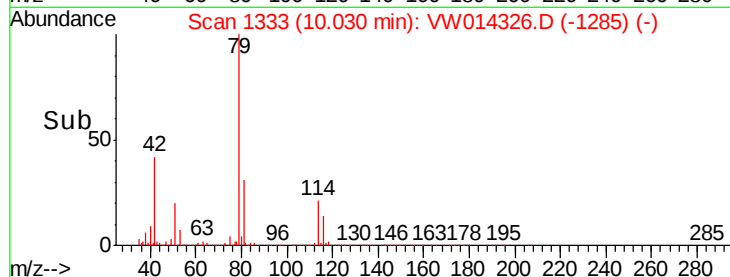
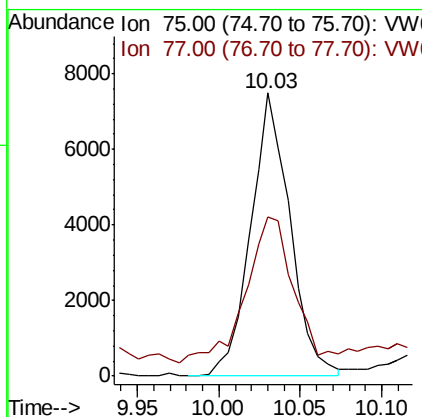
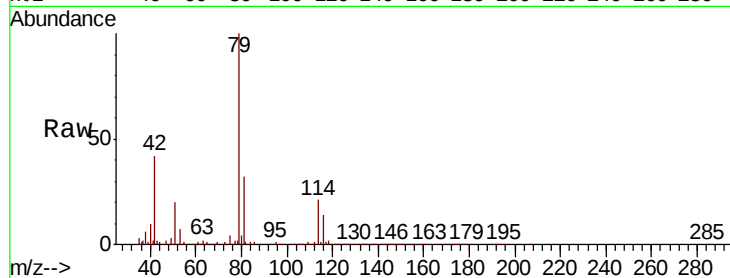
BFEW1

Tot Ion: 75 Resp: 12552

Ion Ratio Lower Upper

75 100

77 56.1 22.1 41.1#



#49

2-Hexanone

Concen: 3.305 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

Lab File: VW014326.D

Acq: 12 Dec 2019 15:12

Tgt Ion: 43 Resp: 24793

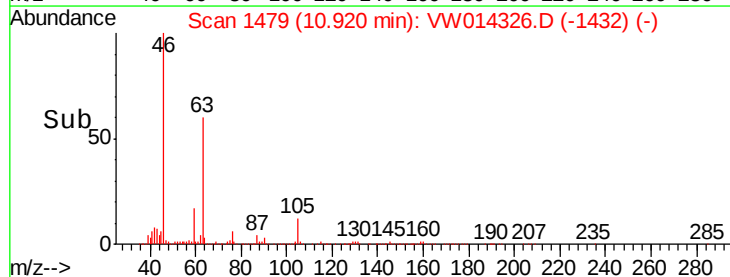
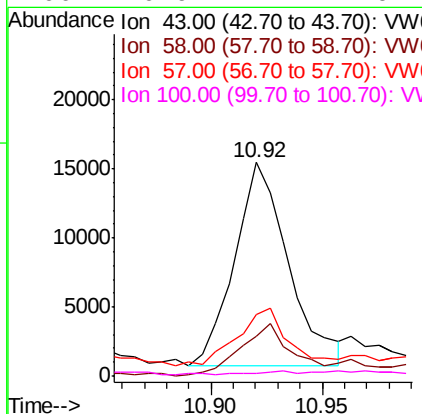
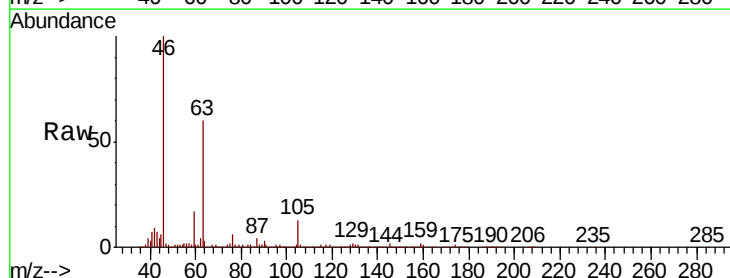
Ion Ratio Lower Upper

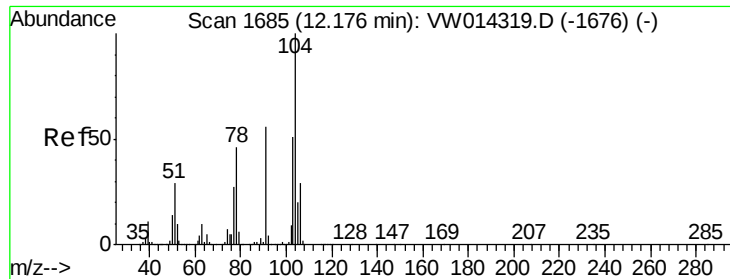
43 100

58 24.7 44.4 66.6#

57 25.4 16.5 24.7#

100 0.9 11.1 16.7#





#56

Stvrene

Concen: 0.315 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014326.D

Acq: 12 Dec 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

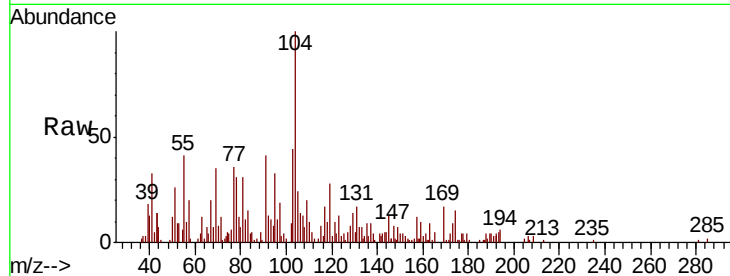
BFEW1

Tot Ion:104 Resp: 13914

Ion Ratio Lower Upper

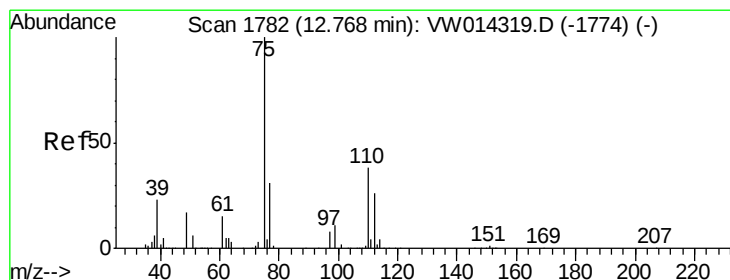
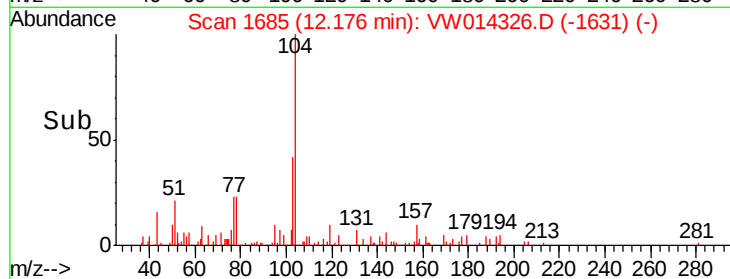
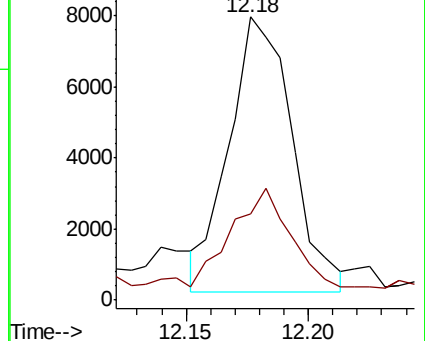
104 100

78 30.6 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#59

1,2,3-Trichloropropane

Concen: 3.332 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014326.D

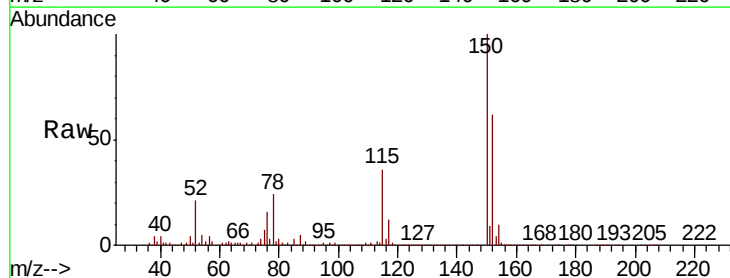
Acq: 12 Dec 2019 15:12

Tgt Ion: 75 Resp: 36793

Ion Ratio Lower Upper

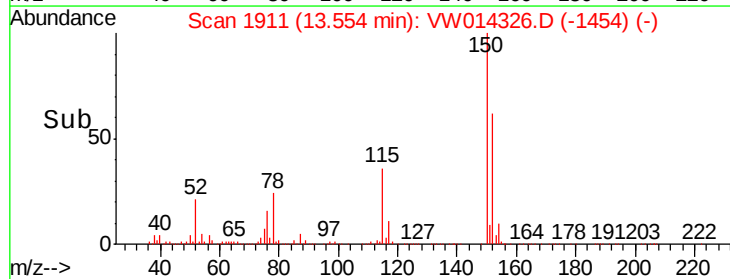
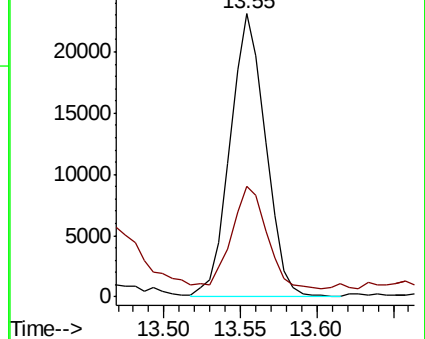
75 100

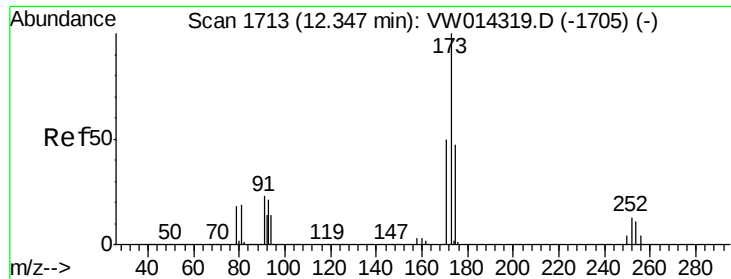
77 35.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

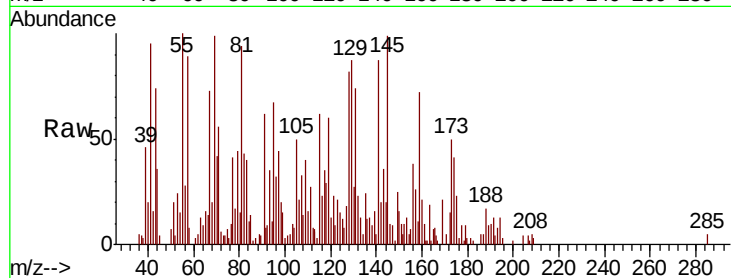




#62
 Bromoform
 Concen: 0.527 ug/L
 RT: 12.34 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: VW014326.D
 Acq: 12 Dec 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 BFEW1

Tot Ion:173 Resp: 2834
 Ion Ratio Lower Upper
 173 100
 175 5.4 38.8 58.2#
 254 0.0 9.4 14.0#



Abundance Ion 173.00 (172.70 to 173.70): V
 Ion 175.00 (174.70 to 175.70): V
 Ion 254.00 (253.70 to 254.70): V

