

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121219\
 Data File : VW014328.D
 Acq On : 12 Dec 2019 16:10
 Operator : SY/VA
 Sample : K6236-16
 Misc : 5.13G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFEZ3

Quant Time: Dec 13 06:11:12 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	1409843	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1227558	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	560136	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	440137	20.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.48%
7) Chloroethane-d5	2.89	69	353018	22.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.96%
10) 1,1-Dichloroethene-d2	4.01	63	638097	16.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.68%
20) 2-Butanone-d5	7.07	46	193337	34.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.50%
24) Chloroform-d	7.64	84	825722	23.00	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	8.31	65	401491	21.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.32%
29) Benzene-d6	8.27	84	1788271	24.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.44%
33) 1,2-Dichloropropane-d6	9.27	67	540514	24.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.68%
37) Toluene-d8	10.32	98	1607943	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.88%
38) trans-1,3-Dichloropropene-	10.57	79	193556	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.36%
39) 2-Hexanone-d5	10.92	63	157115	35.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	341222	18.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	509926	23.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.28%

Target Compounds

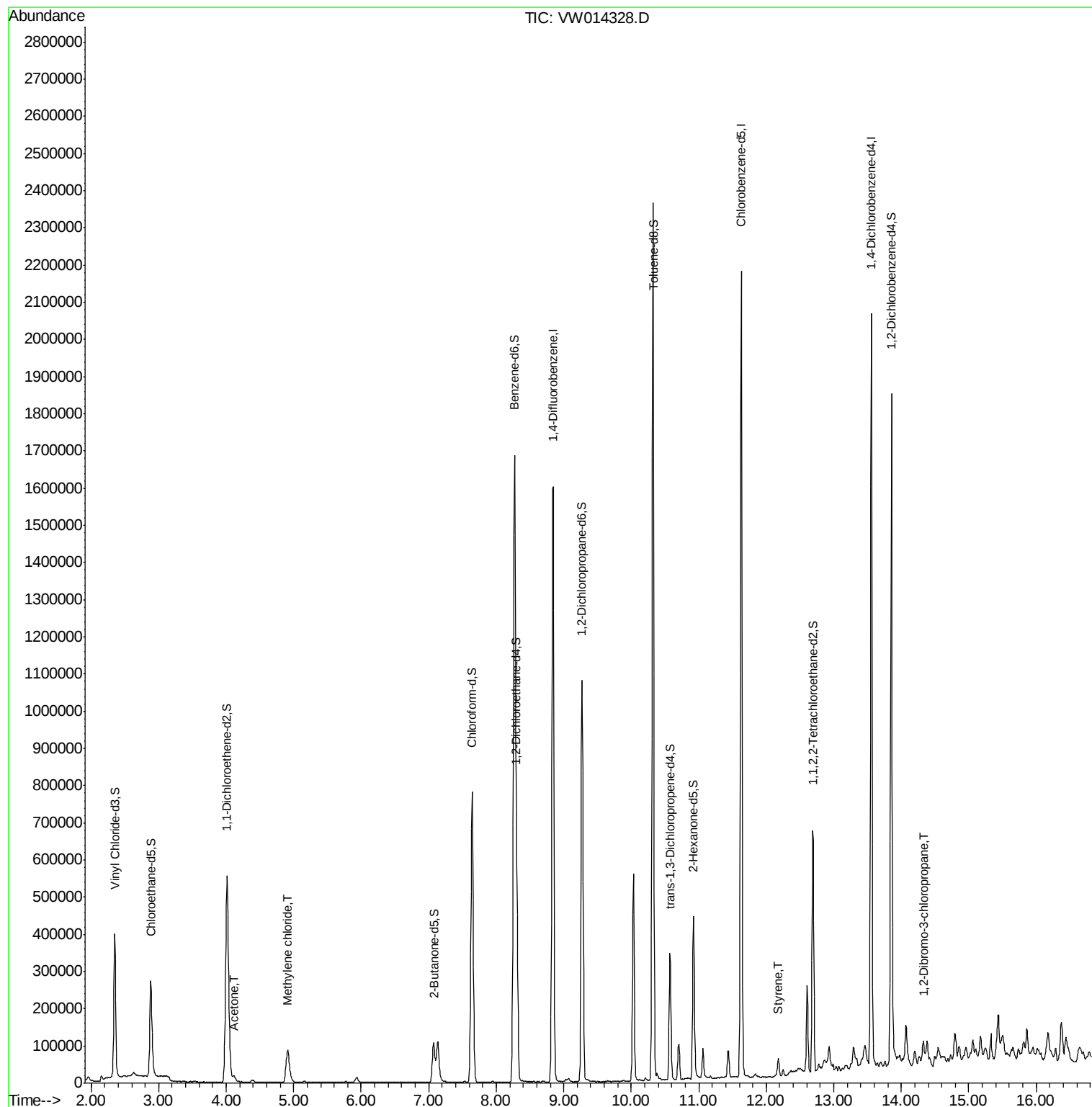
					Ovalue
13) Acetone	4.12	43	26157	4.877 ug/L	93
16) Methylene chloride	4.91	84	77401	3.581 ug/L	96
56) Styrene	12.18	104	21577	0.391 ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.33	75	3648	1.351 ug/L #	21

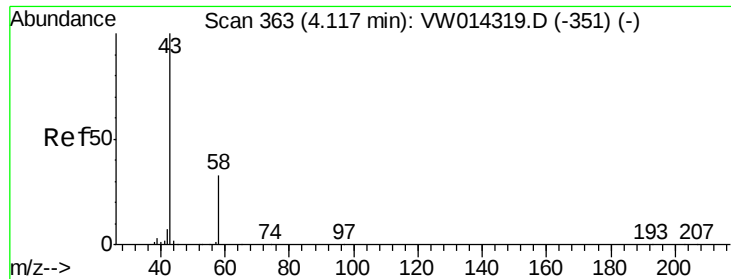
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.877 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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Acq: 12 Dec 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

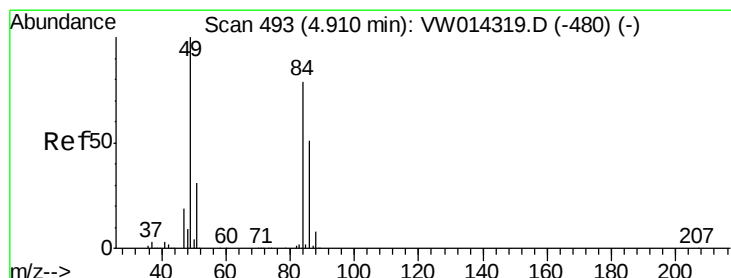
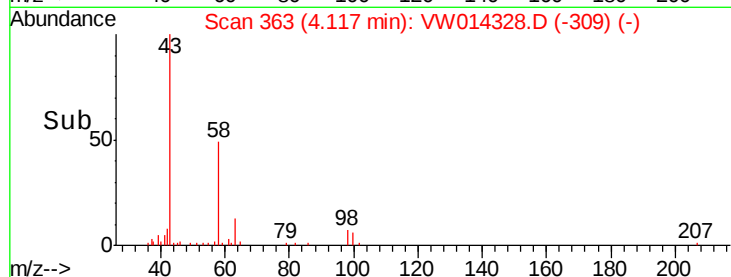
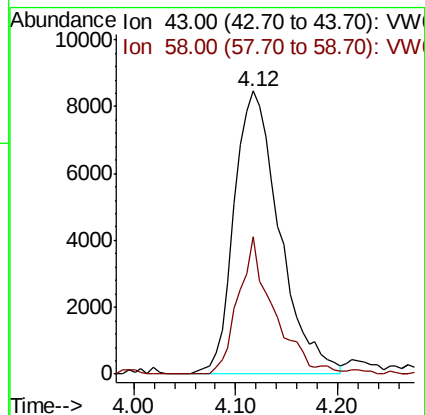
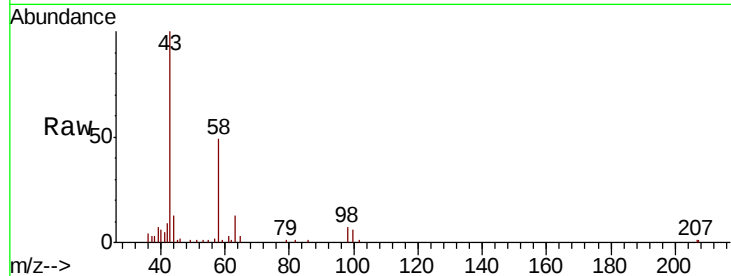
BFEZ3

Tot Ion: 43 Resp: 26157

Ion Ratio Lower Upper

43 100

58 36.8 0.0 65.4



#16

Methylene chloride

Concen: 3.581 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW014328.D

Acq: 12 Dec 2019 16:10

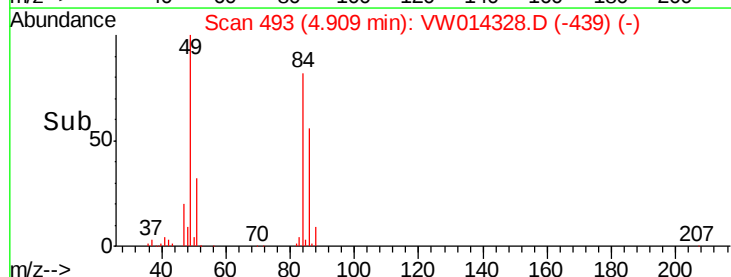
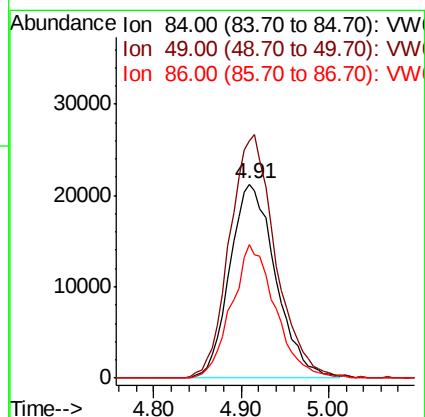
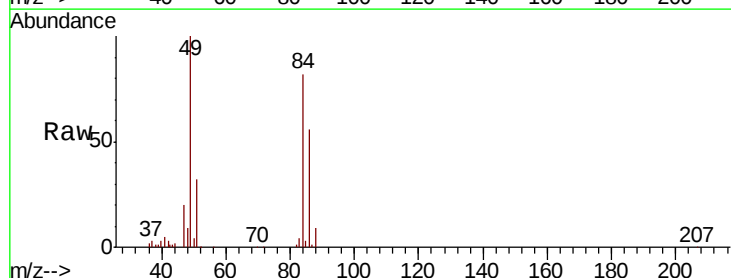
Tgt Ion: 84 Resp: 77401

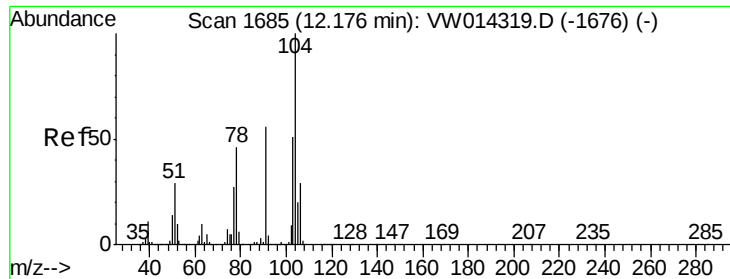
Ion Ratio Lower Upper

84 100

49 122.3 84.2 156.4

86 68.6 43.7 81.1





#56

Stvrene

Concen: 0.391 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014328.D

Acq: 12 Dec 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

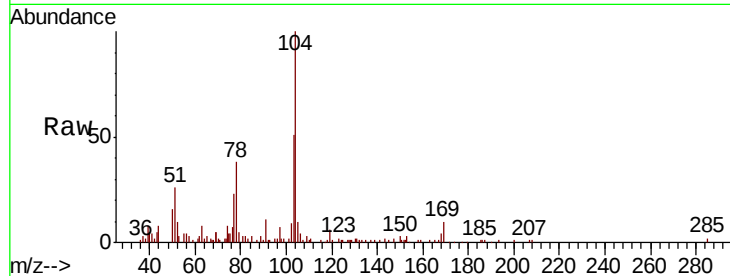
BFEZ3

Tot Ion:104 Resp: 21577

Ion Ratio Lower Upper

104 100

78 37.7 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.18

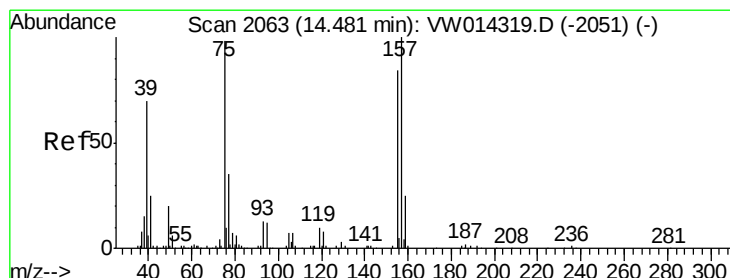
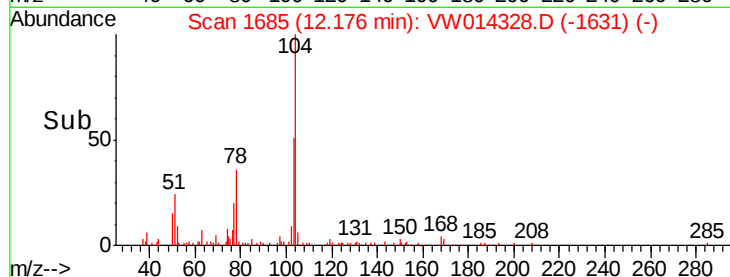
15000

10000

5000

0

Time--> 12.10 12.20



#66

1,2-Dibromo-3-chloropropane

Concen: 1.351 ug/L

RT: 14.33 min Scan# 2038

Delta R.T. -0.15 min

Lab File: VW014328.D

Acq: 12 Dec 2019 16:10

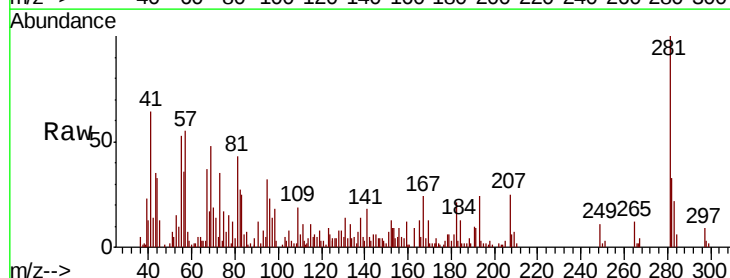
Tgt Ion: 75 Resp: 3648

Ion Ratio Lower Upper

75 100

157 26.6 96.9 145.3#

155 30.3 82.9 124.3#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

14.33

1500

1000

500

0

Time--> 14.20 14.30 14.40

