

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121219\
 Data File : VW014331.D
 Acq On : 12 Dec 2019 17:29
 Operator : SY/VA
 Sample : K6236-21
 Misc : 5.22G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFEX5

Quant Time: Dec 13 06:11:29 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	1214718	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1090839	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	503859	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	398573	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.68%
7) Chloroethane-d5	2.89	69	315946	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.40%
10) 1,1-Dichloroethene-d2	4.01	63	566992	17.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.80%
20) 2-Butanone-d5	7.07	46	224834	46.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.82%
24) Chloroform-d	7.65	84	725174	23.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	8.30	65	381994	23.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.24%
29) Benzene-d6	8.27	84	1558450	24.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.52%
33) 1,2-Dichloropropane-d6	9.27	67	487011	24.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.04%
37) Toluene-d8	10.32	98	1408261	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.44%
38) trans-1,3-Dichloropropene-	10.57	79	188982	22.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.60%
39) 2-Hexanone-d5	10.92	63	177262	45.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	366458	22.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	478189	24.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.36%

Target Compounds

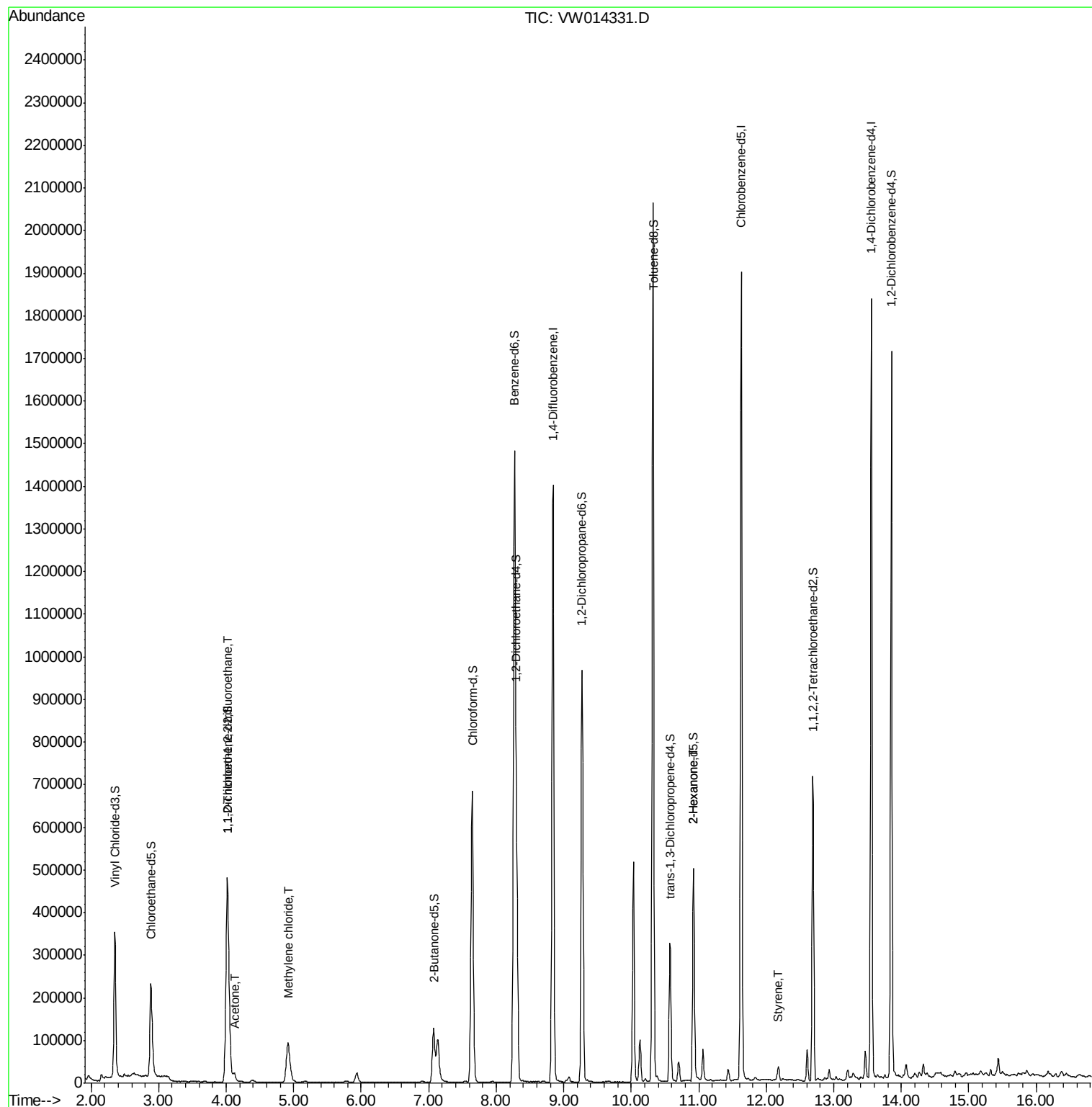
					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	6209	0.388 ug/L #	17
13) Acetone	4.13	43	31792	6.879 ug/L	100
16) Methylene chloride	4.92	84	89047	4.782 ug/L	96
49) 2-Hexanone	10.92	43	21115	2.535 ug/L #	64
56) Styrene	12.18	104	14575	0.297 ug/L	97

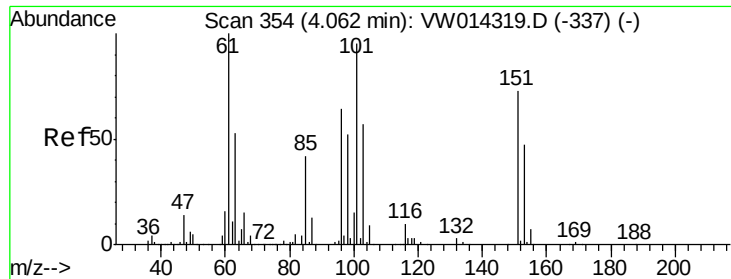
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.388 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.04 min

Lab File: VW014331.D

Acq: 12 Dec 2019 17:29

Instrument :

MSVOA_W

ClientSampled :

BFEX5

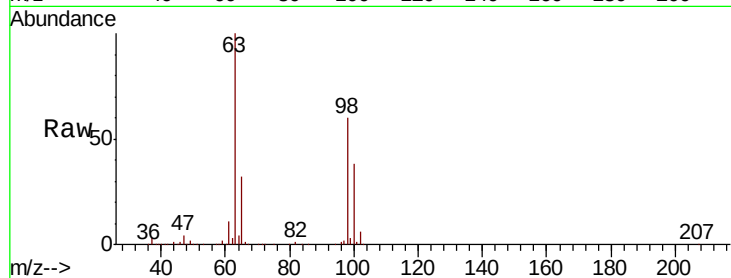
Tot Ion:101 Resp: 6209

Ion Ratio Lower Upper

101 100

85 0.0 31.4 47.2#

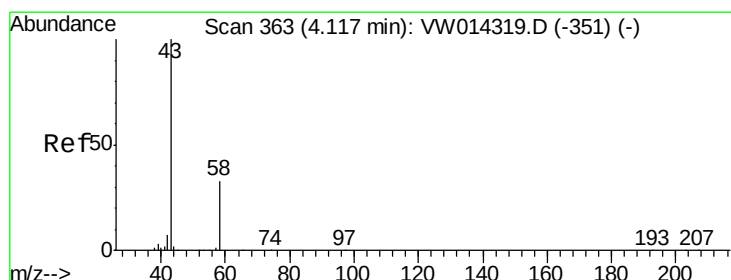
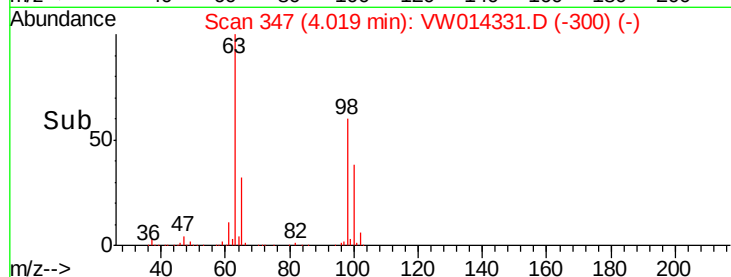
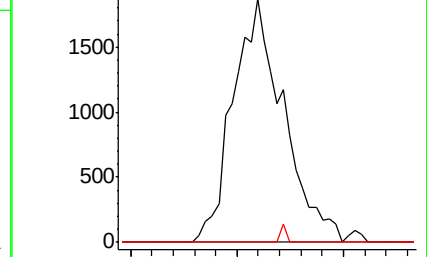
151 0.0 66.9 100.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 6.879 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW014331.D

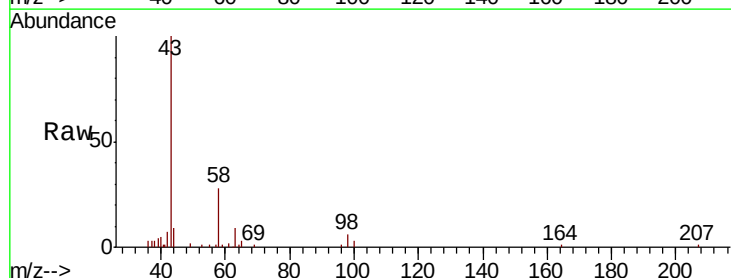
Acq: 12 Dec 2019 17:29

Tgt Ion: 43 Resp: 31792

Ion Ratio Lower Upper

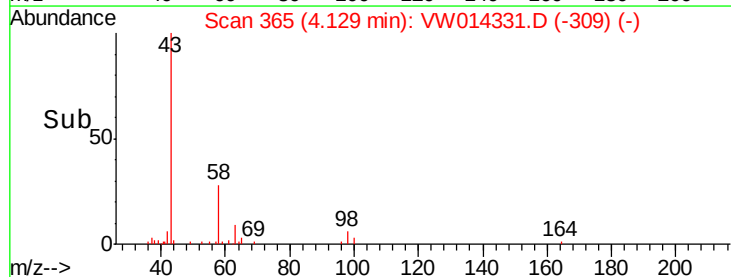
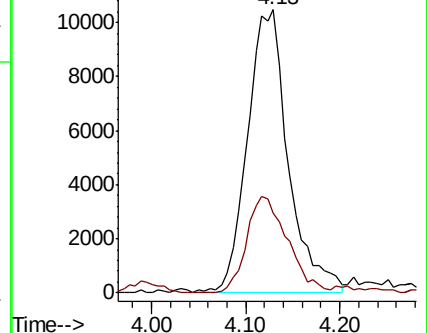
43 100

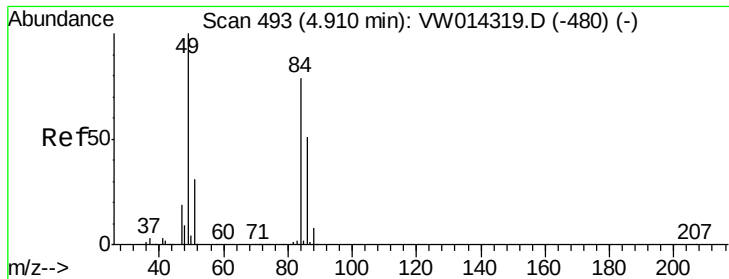
58 32.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

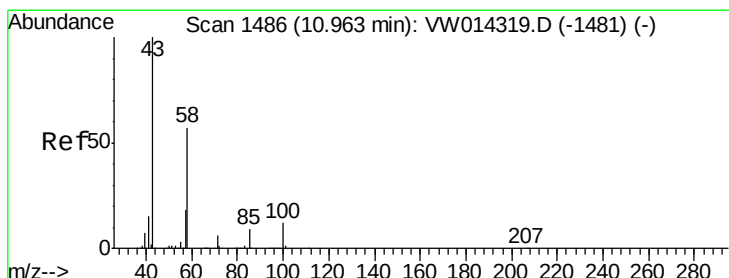
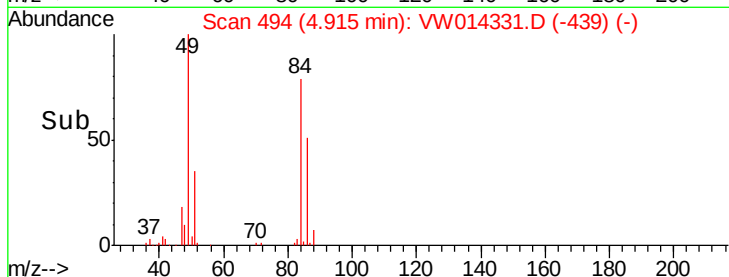
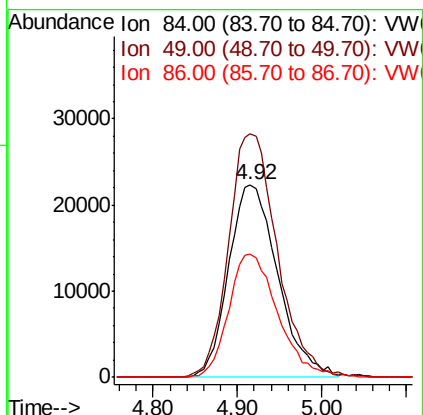
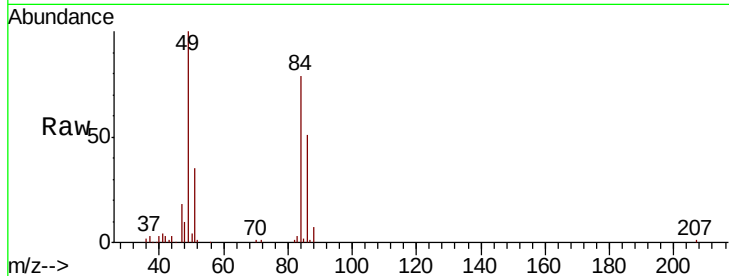




#16
Methylene chloride
Concen: 4.782 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014331.D
Acq: 12 Dec 2019 17:29

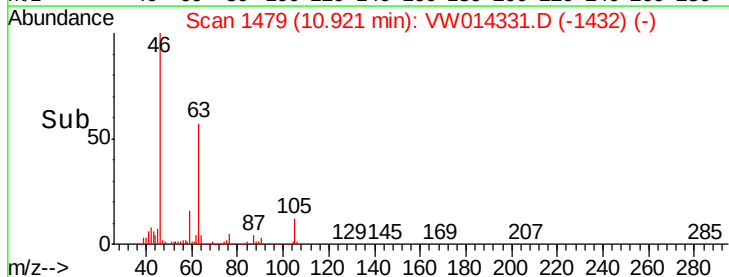
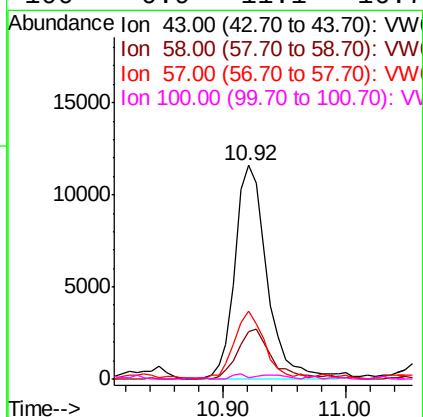
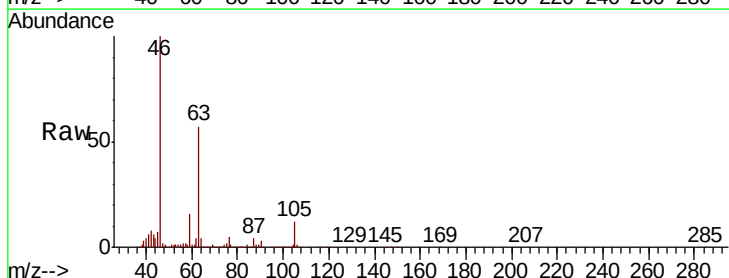
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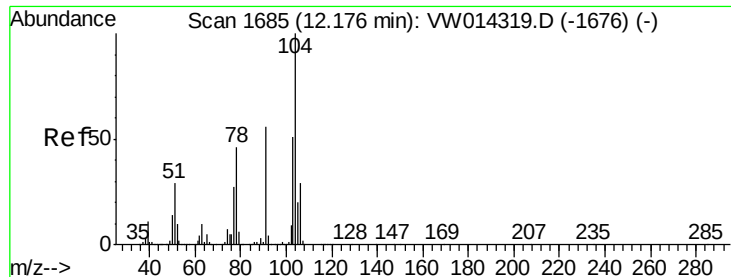
Tot Ion: 84 Resp: 89047
Ion Ratio Lower Upper
84 100
49 126.4 84.2 156.4
86 63.8 43.7 81.1



#49
2-Hexanone
Concen: 2.535 ug/L
RT: 10.92 min Scan# 1479
Delta R.T. -0.04 min
Lab File: VW014331.D
Acq: 12 Dec 2019 17:29

Tgt Ion: 43 Resp: 21115
Ion Ratio Lower Upper
43 100
58 24.3 44.4 66.6#
57 29.4 16.5 24.7#
100 0.9 11.1 16.7#





#56

Stvrene

Concen: 0.297 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014331.D

Acq: 12 Dec 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

BFEX5

Tot Ion:104 Resp: 14575

Ion Ratio Lower Upper

104 100

78 42.1 30.6 56.8

