

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\
 Data File : VW016117.D
 Acq On : 10 Aug 2020 22:16
 Operator : SY/VA
 Sample : L3598-08MSD
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 11 02:00:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:19:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	336859	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	213028	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	40723	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	122179	29.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.00%
7) Chloroethane-d5	2.89	69	89698	28.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.16%
10) 1,1-Dichloroethene-d2	4.01	63	243990	27.51	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	110.04%#
20) 2-Butanone-d5	7.09	46	91512	83.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	166.54%#
24) Chloroform-d	7.65	84	248788	27.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.08%
26) 1,2-Dichloroethane-d4	8.31	65	146707	30.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.20%
29) Benzene-d6	8.27	84	462038	39.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	159.48%#
33) 1,2-Dichloropropane-d6	9.27	67	138421	40.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	162.48%#
37) Toluene-d8	10.32	98	344217	32.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	129.56%
38) trans-1,3-Dichloropropene-	10.58	79	54845	35.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	143.24%#
39) 2-Hexanone-d5	10.93	63	63880	108.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	217.32%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	85633	30.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	123.48%#
61) 1,2-Dichlorobenzene-d4	13.85	152	32938	22.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.28%

Target Compounds

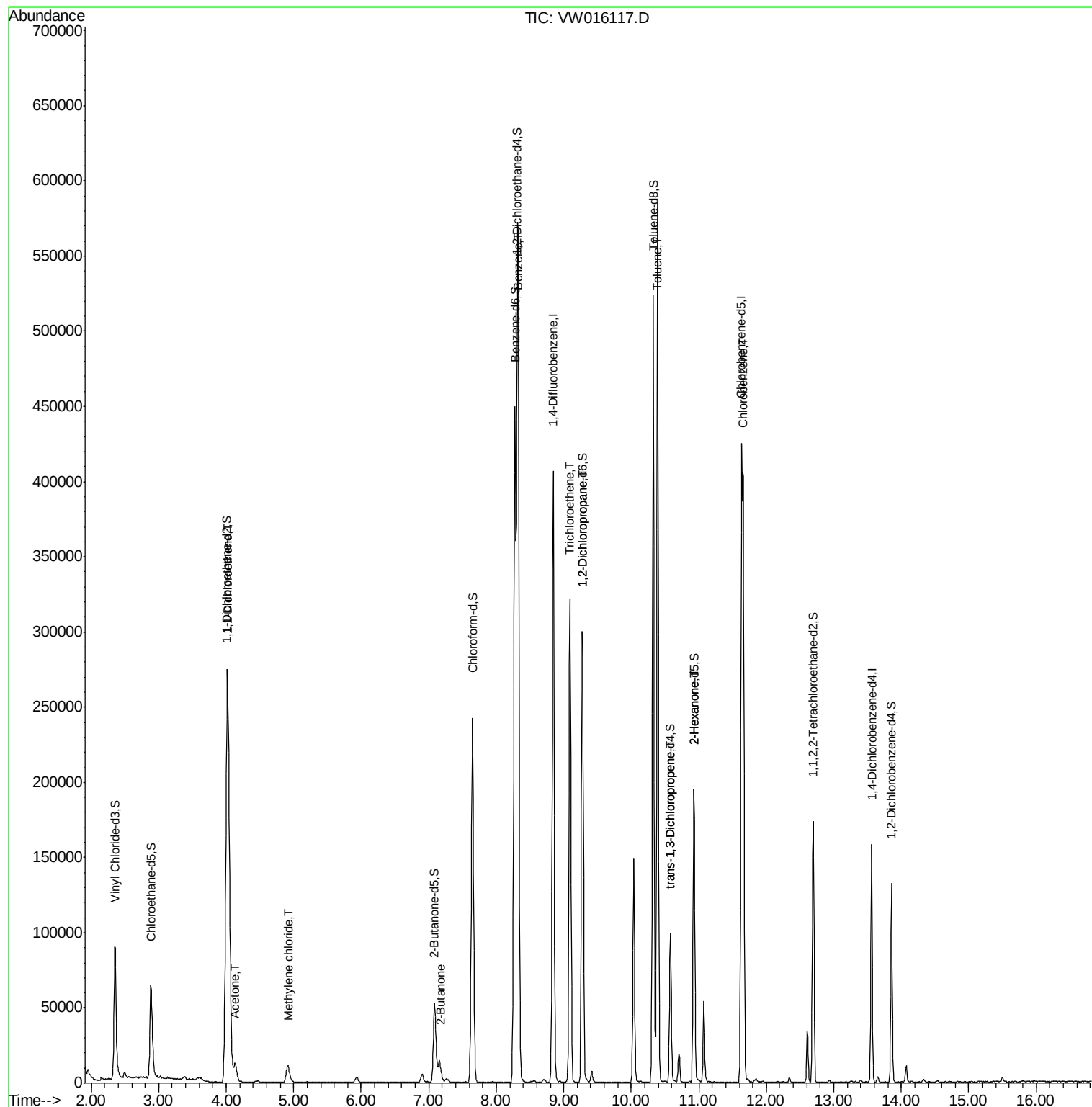
					Ovalue
12) 1,1-Dichloroethene	4.03	96	108362	25.064	ug/L 94
13) Acetone	4.14	43	19304	23.220	ug/L 97
16) Methylene chloride	4.91	84	9437	1.774	ug/L 97
21) 2-Butanone	7.18	43	2818	2.139	ug/L # 69
34) Benzene	8.32	78	475958	38.744	ug/L 100
35) Trichloroethene	9.09	95	113268	34.290	ug/L 99
40) 1,2-Dichloropropane	9.27	63	16319	5.409	ug/L # 86
44) Toluene	10.39	91	423861	32.686	ug/L 100
45) trans-1,3-Dichloropropene	10.58	75	2610	0.632	ug/L # 74
49) 2-Hexanone	10.93	43	8446	6.898	ug/L # 68
52) Chlorobenzene	11.66	112	200202	23.333	ug/L 98

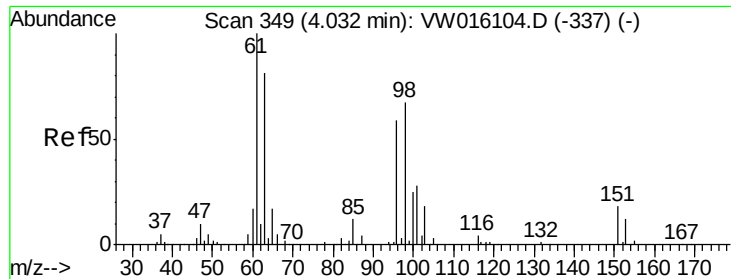
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 11 01:19:31 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 25.064 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW016117.D

Acq: 10 Aug 2020 22:16

Instrument :

MSVOA_W

ClientSampled :

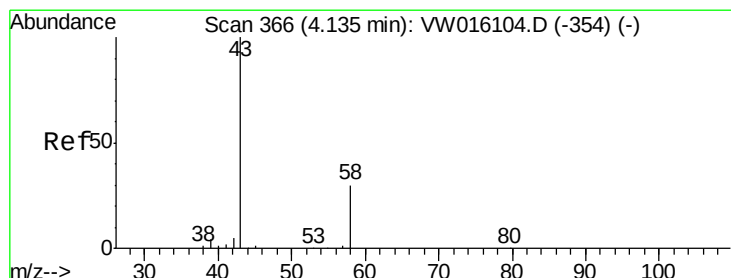
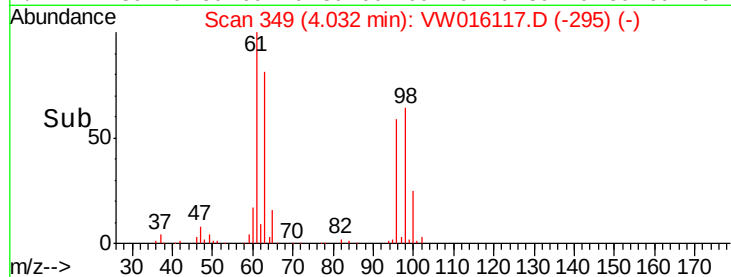
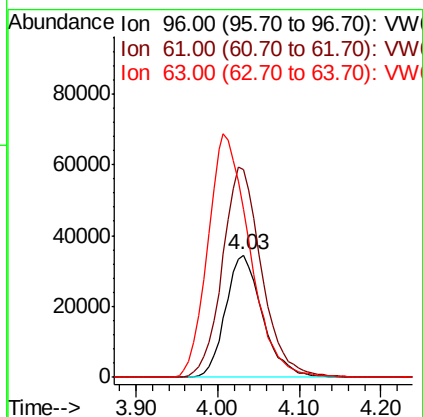
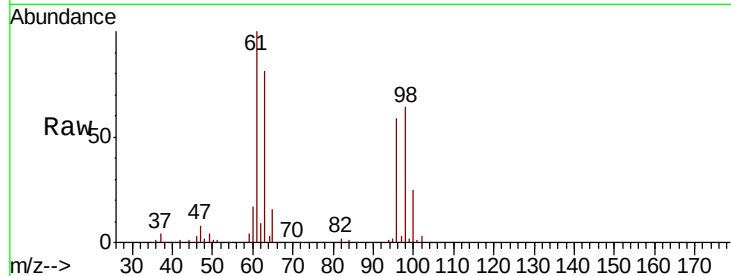
Tot Ion: 96 Resp: 108362

Ion Ratio Lower Upper

96 100

61 170.1 120.2 223.2

63 138.1 86.4 160.4



#13

Acetone

Concen: 23.220 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW016117.D

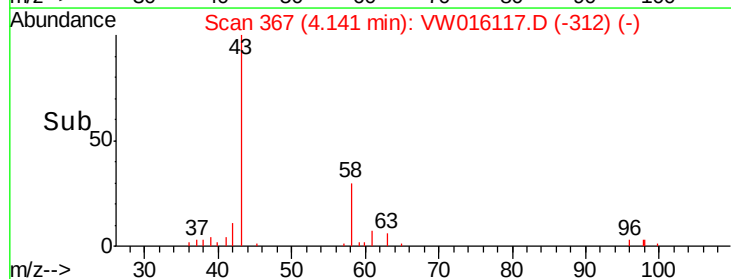
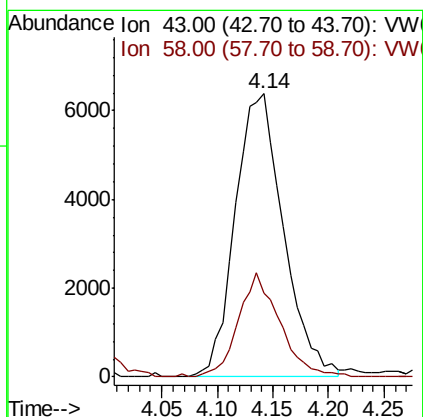
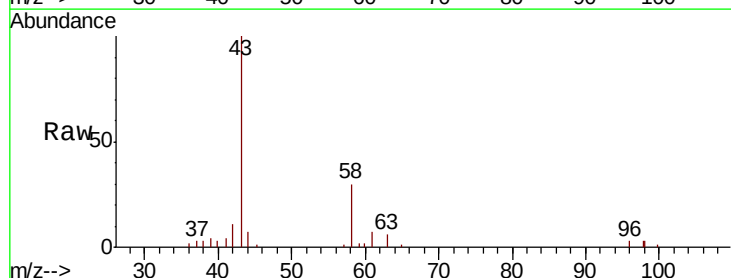
Acq: 10 Aug 2020 22:16

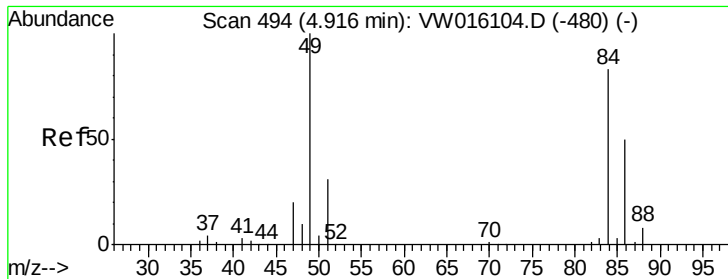
Tgt Ion: 43 Resp: 19304

Ion Ratio Lower Upper

43 100

58 31.3 0.0 59.4

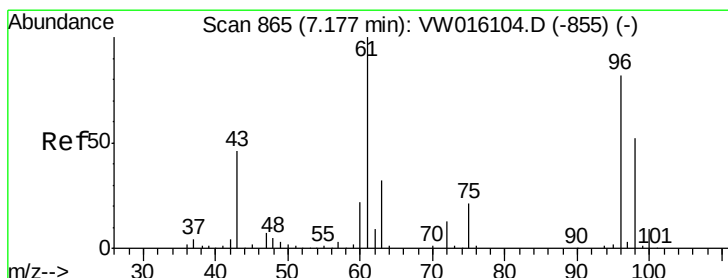
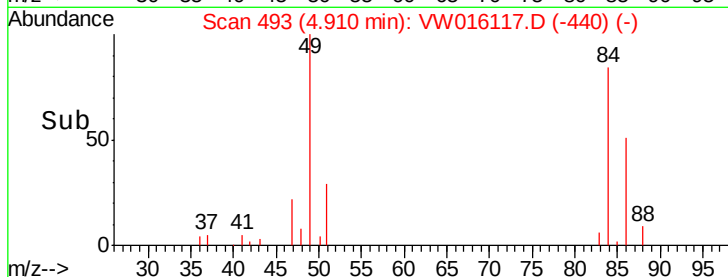
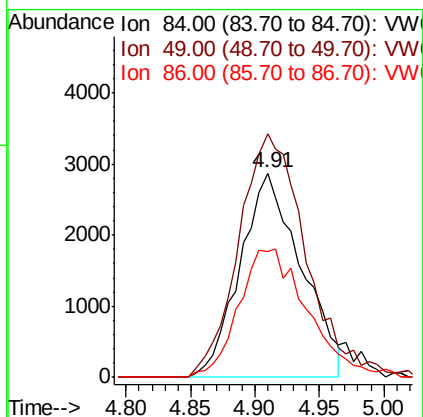
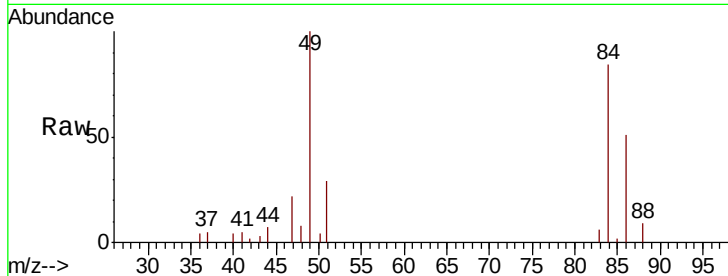




#16
Methylene chloride
Concen: 1.774 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016117.D
Acq: 10 Aug 2020 22:16

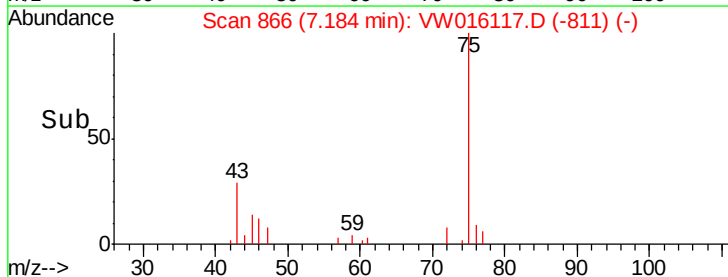
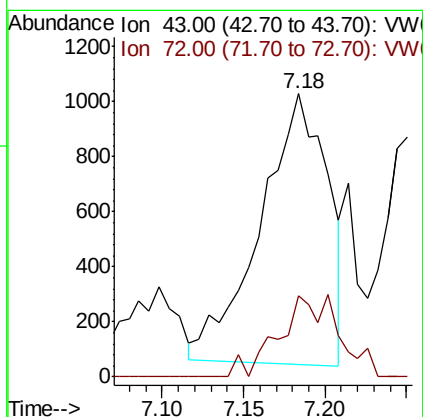
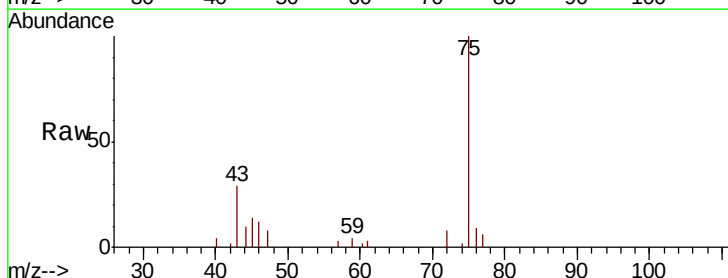
Instrument :
MSVOA_W
ClientSampleId :

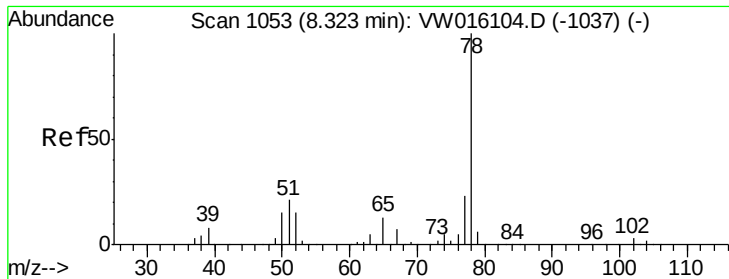
Tot Ion: 84 Resp: 9437
Ion Ratio Lower Upper
84 100
49 119.2 80.4 149.4
86 61.3 43.8 81.3



#21
2-Butanone
Concen: 2.139 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW016117.D
Acq: 10 Aug 2020 22:16

Tgt Ion: 43 Resp: 2818
Ion Ratio Lower Upper
43 100
72 11.8 13.9 41.7#





#34

Benzene

Concen: 38.744 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW016117.D

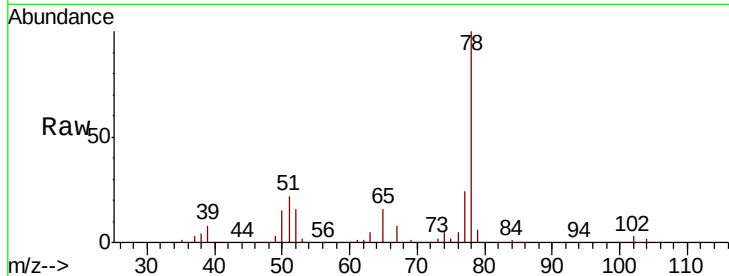
Acq: 10 Aug 2020 22:16

Instrument :

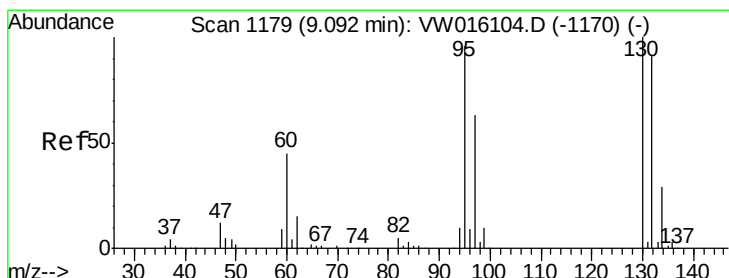
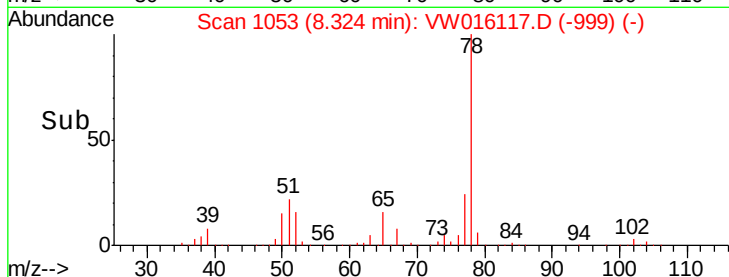
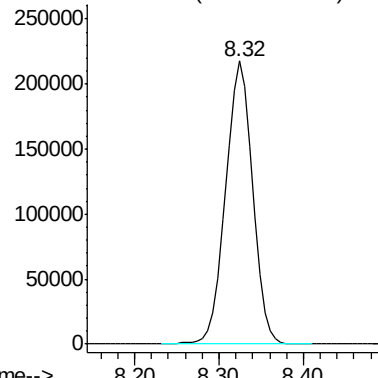
MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 475958



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 34.290 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016117.D

Acq: 10 Aug 2020 22:16

Tgt Ion: 95 Resp: 113268

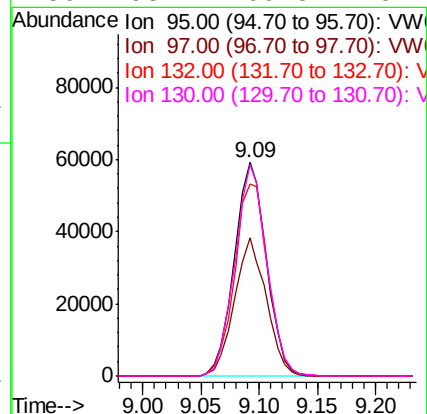
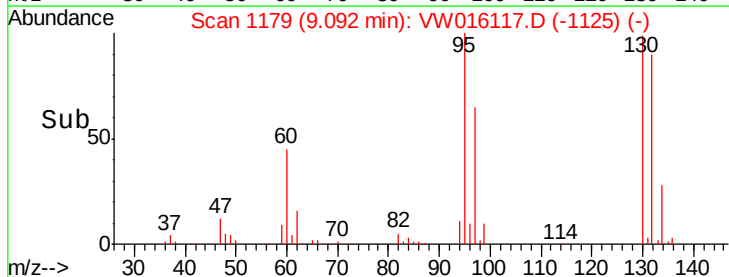
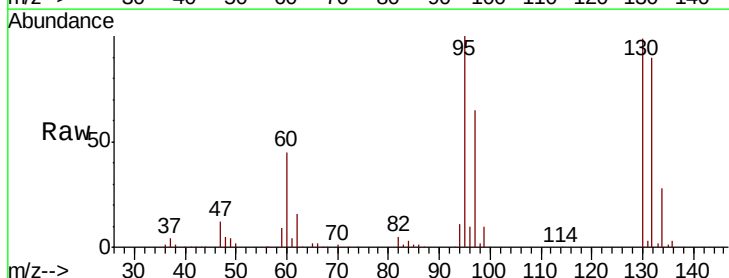
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.9	83.3
132	94.6	65.8	122.2
130	98.4	69.5	129.1

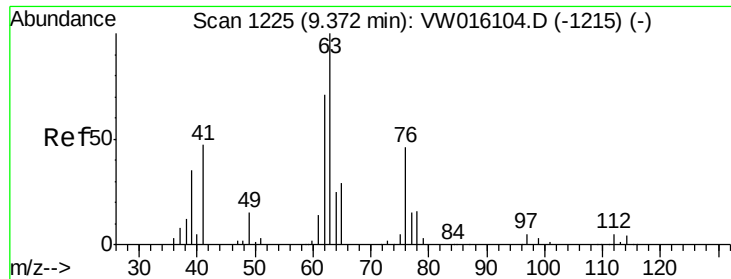
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

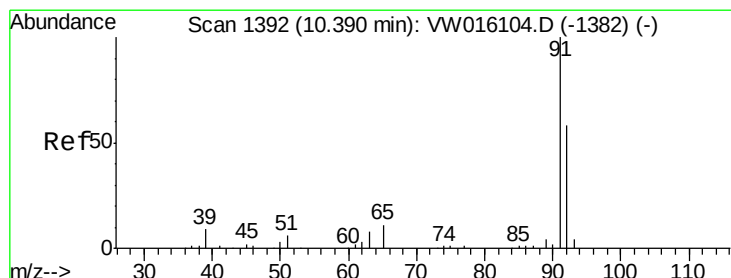
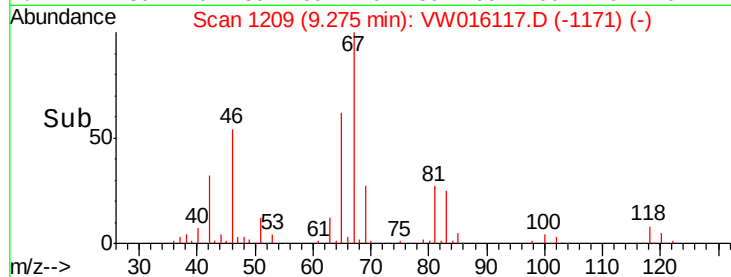
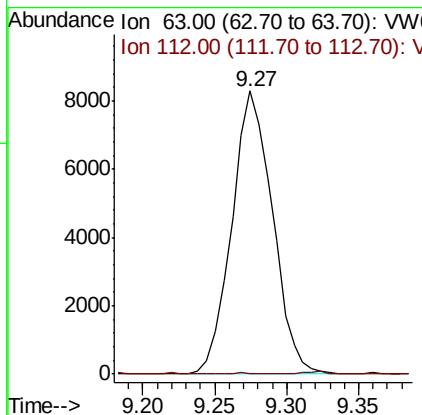
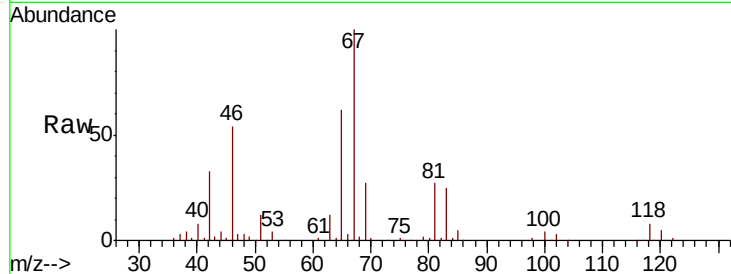




#40
 1,2-Dichloropropane
 Concen: 5.409 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW016117.D
 Acq: 10 Aug 2020 22:16

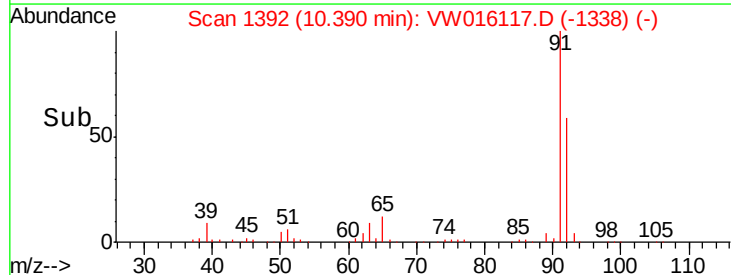
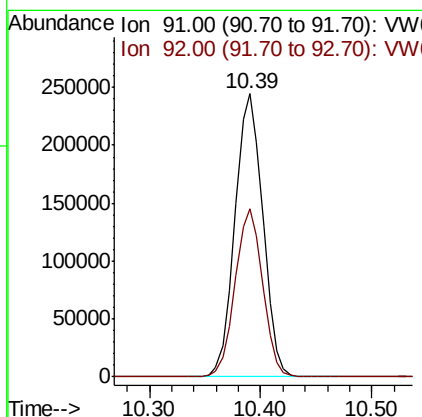
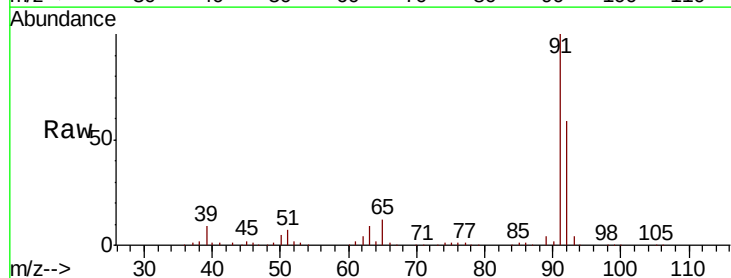
Instrument :
 MSVOA_W
 ClientSampleId :

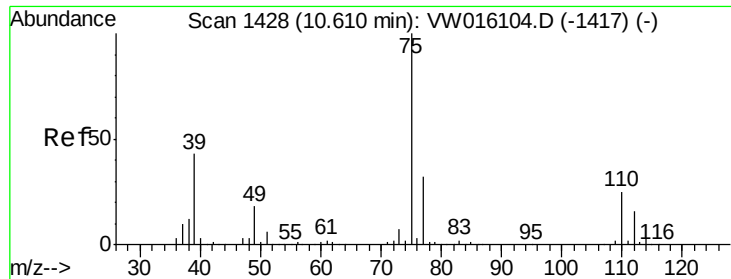
Tot Ion: 63 Resp: 16319
 Ion Ratio Lower Upper
 63 100
 112 0.5 4.0 6.0#



#44
 Toluene
 Concen: 32.686 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW016117.D
 Acq: 10 Aug 2020 22:16

Tgt Ion: 91 Resp: 423861
 Ion Ratio Lower Upper
 91 100
 92 59.3 41.8 77.6





#45

trans-1,3-Dichloropropene

Concen: 0.632 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016117.D

Acq: 10 Aug 2020 22:16

Instrument :

MSVOA_W

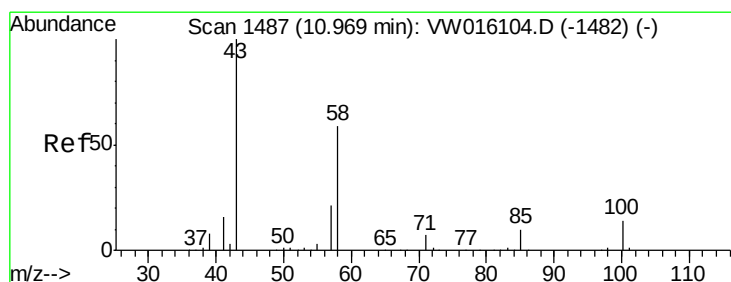
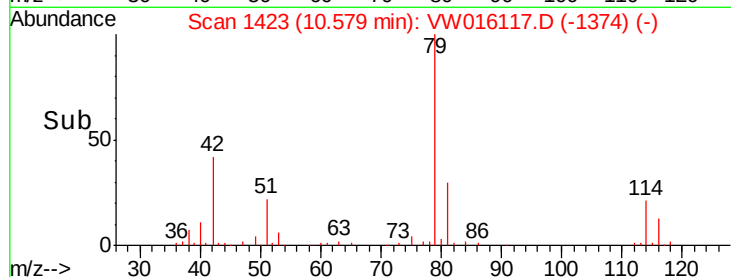
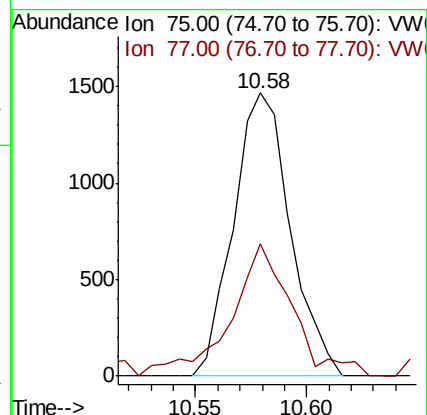
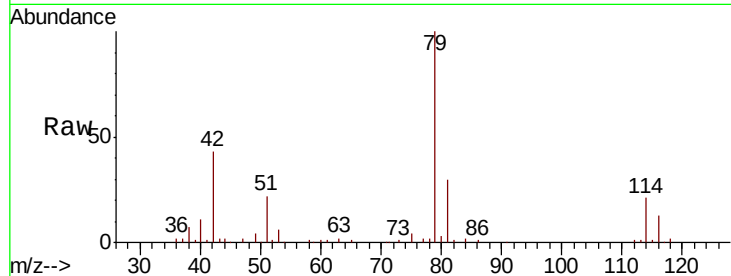
ClientSampleId :

Tot Ion: 75 Resp: 2610

Ion Ratio Lower Upper

75 100

77 46.7 22.7 42.1#



#49

2-Hexanone

Concen: 6.898 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016117.D

Acq: 10 Aug 2020 22:16

Tgt Ion: 43 Resp: 8446

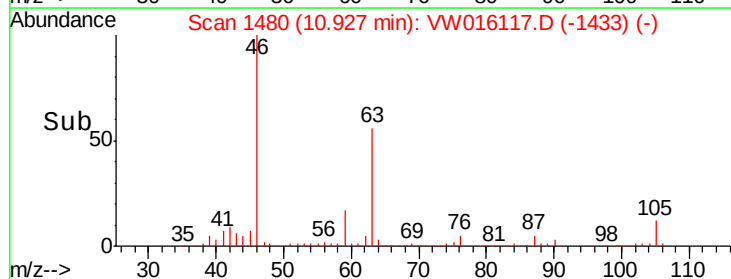
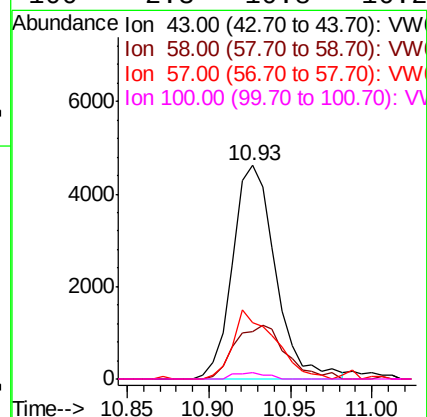
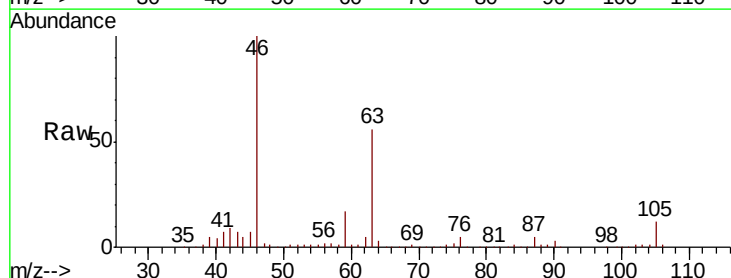
Ion Ratio Lower Upper

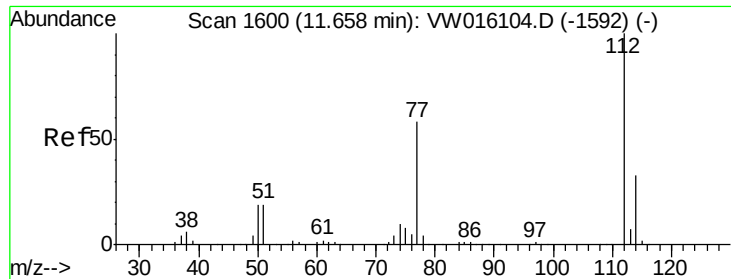
43 100

58 30.2 44.2 66.2#

57 31.5 15.8 23.6#

100 2.3 10.8 16.2#





#52
 Chlorobenzene
 Concen: 23.333 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016117.D
 Acq: 10 Aug 2020 22:16

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
77	59.7	49.1	73.7
114	33.0	23.5	43.7

