

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 :
 GAY64

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

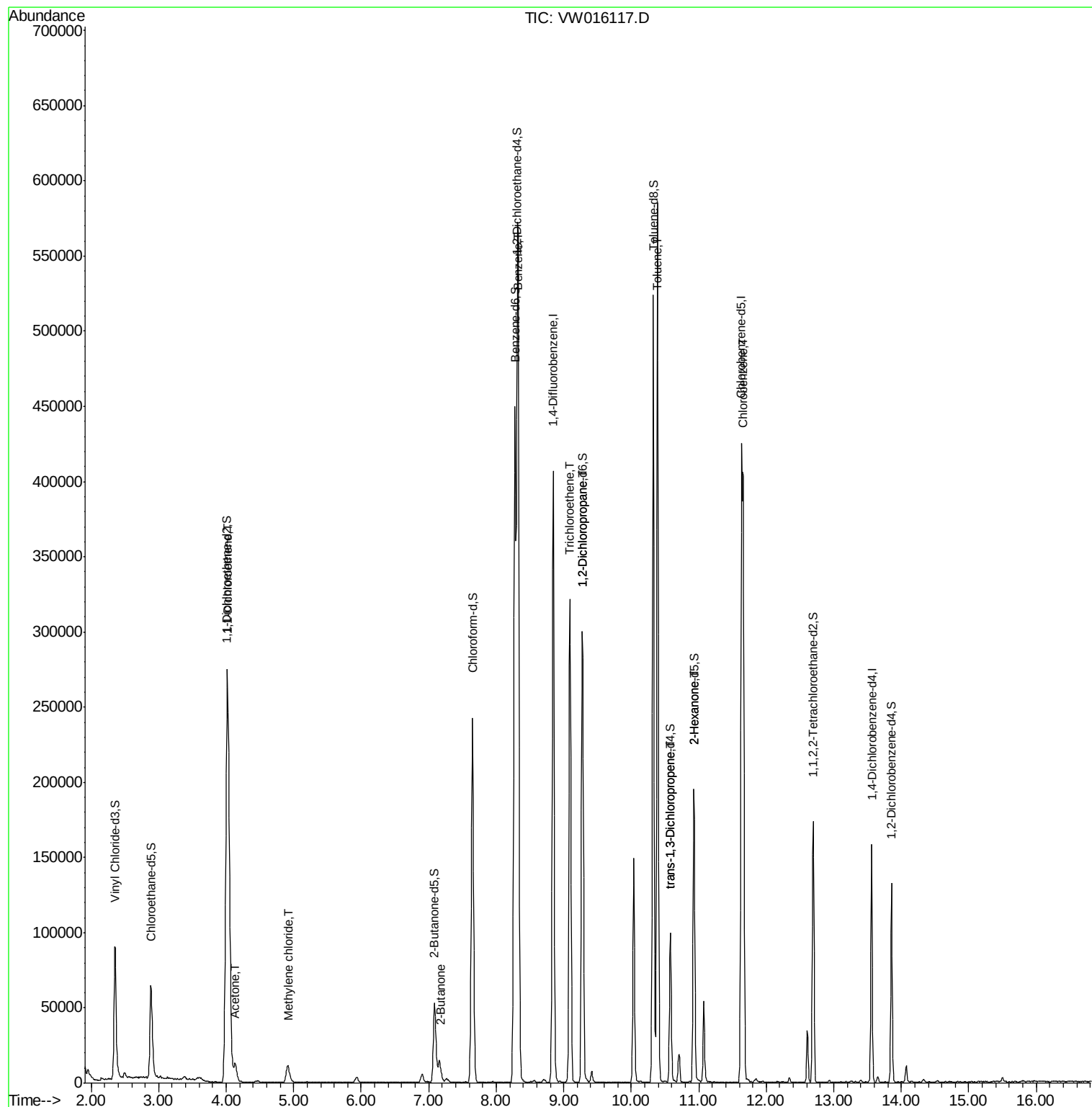
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	108362	25.064	ug/L	94
13) Acetone	4.14	43	19304	23.220	ug/L	97
16) Methylene chloride	4.91	84	9437	1.774	ug/L	97
21) 2-Butanone	7.18	43	2818	2.139	ug/L #	69
34) Benzene	8.32	78	475958	38.744	ug/L	100
35) Trichloroethene	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

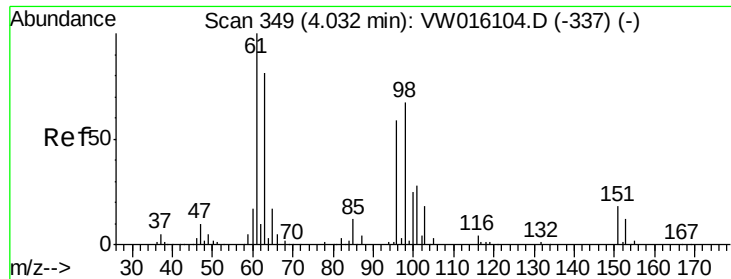
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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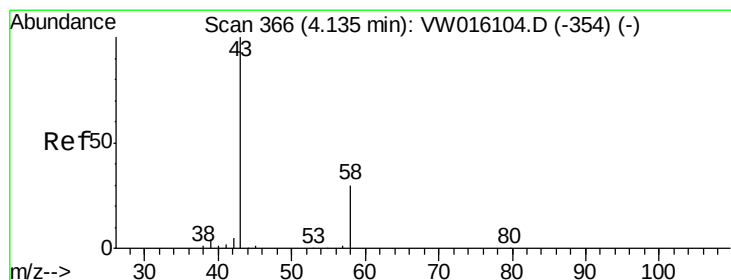
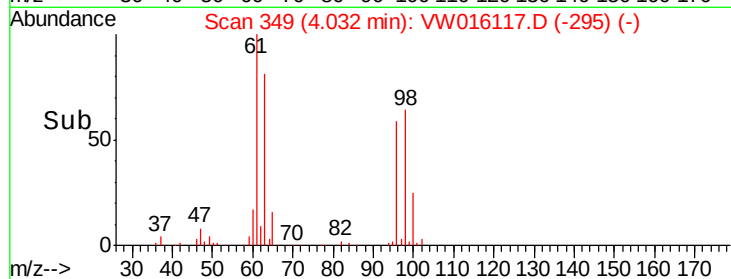
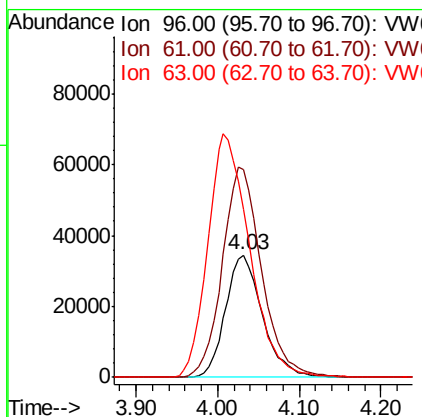
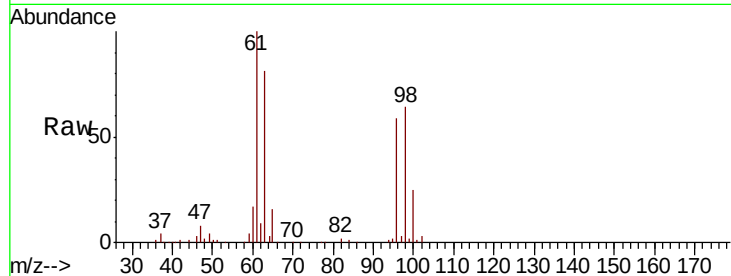




#12
 1,1-Dichloroethene
 Concen: 25.064 ug/L
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW016117.D
 Acq: 10 Aug 2020 22:16

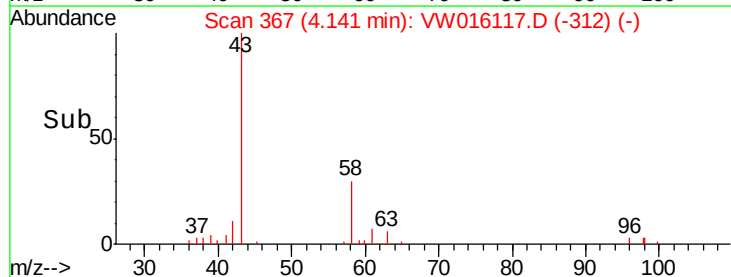
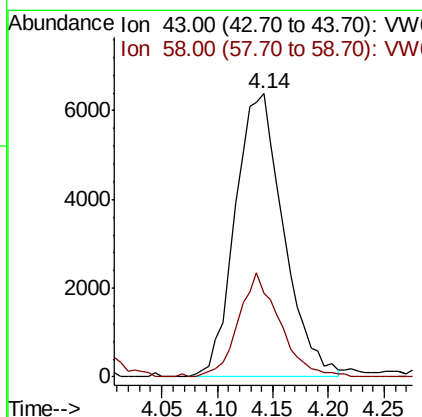
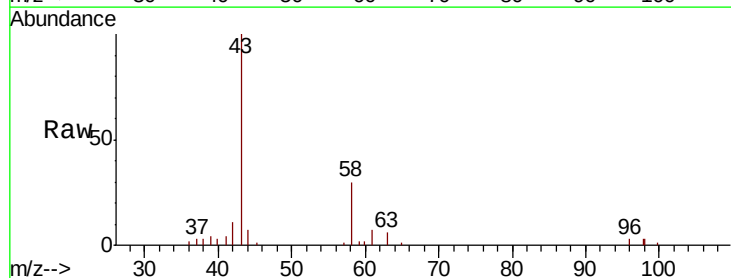
Instrument :
 MSVOA_W
 ClientSampleId :
 GAY64

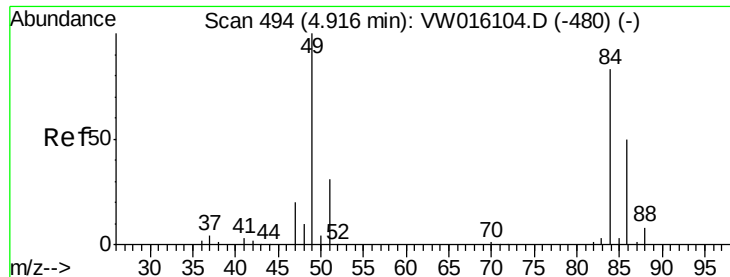
Tot Ion	96	Resp	108362
Ion	Ratio	Lower	Upper
96	100		
61	170.1	120.2	223.2
63	138.1	86.4	160.4



#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

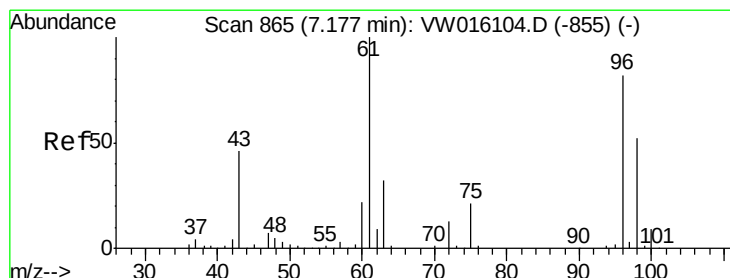
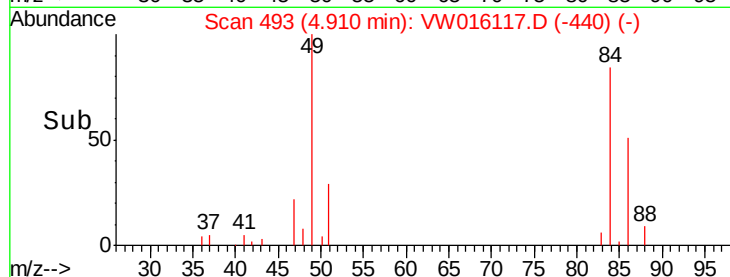
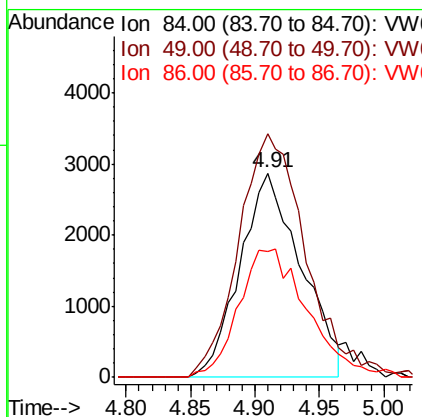
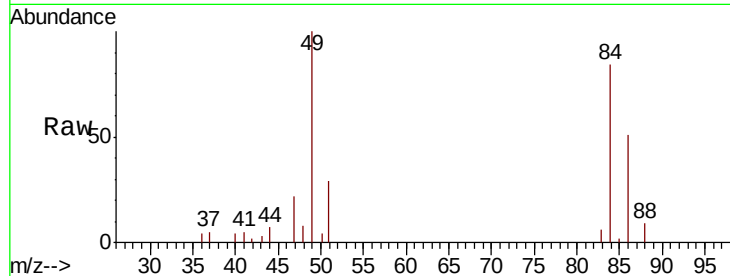




#16
Methylene chloride
Concen: 1.774 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016117.D
Acq: 10 Aug 2020 22:16

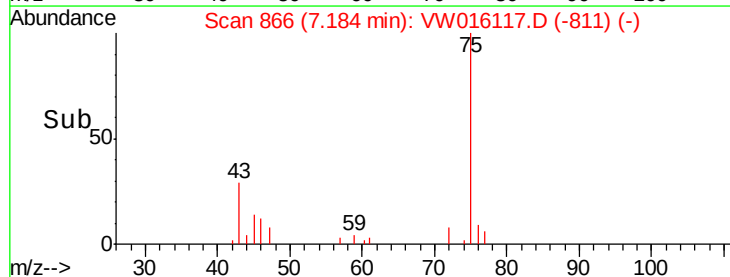
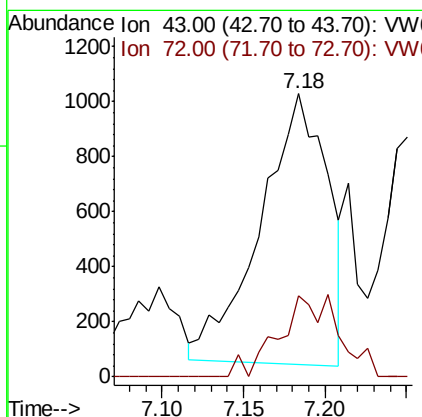
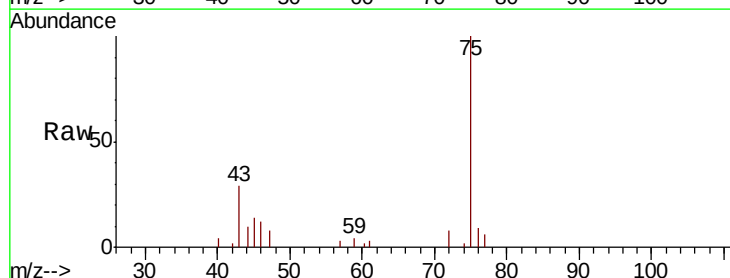
Instrument :
MSVOA_W
ClientSampleId :
GAY64

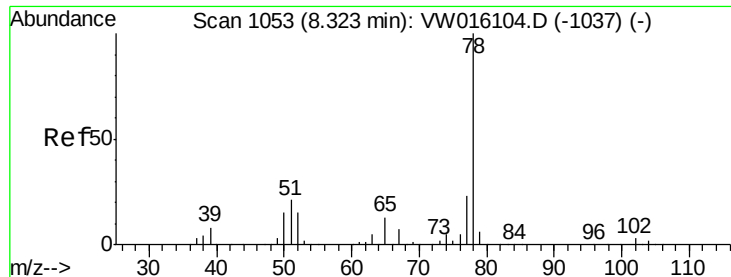
Tot Ion: 84 Resp: 9437
Ion Ratio Lower Upper
84 100
49 119.2 80.4 149.4
86 61.3 43.8 81.3



#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

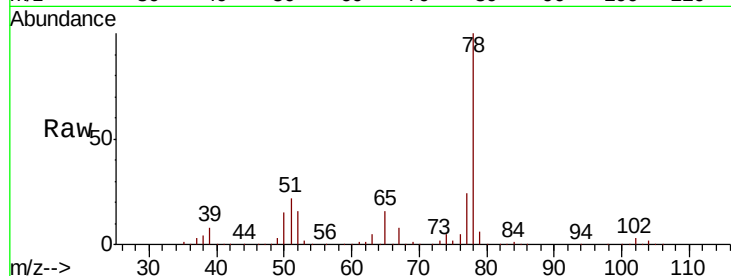
Instrument :

MSVOA_W

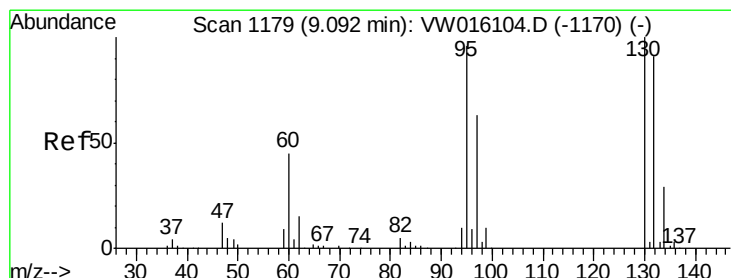
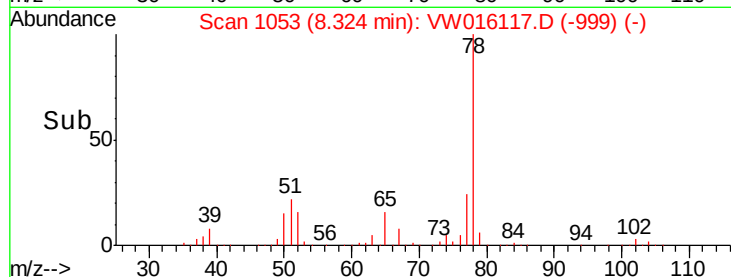
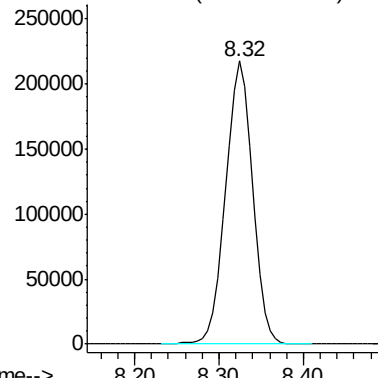
ClientSampleId :

GAY64

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

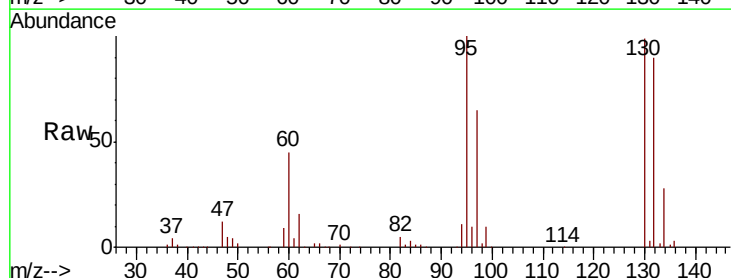
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.9	83.3
132	94.6	65.8	122.2
130	98.4	69.5	129.1

95 100

97 64.3 44.9 83.3

132 94.6 65.8 122.2

130 98.4 69.5 129.1

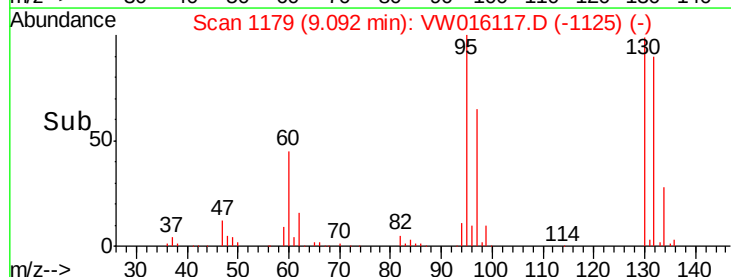
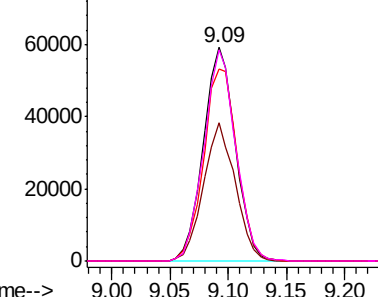


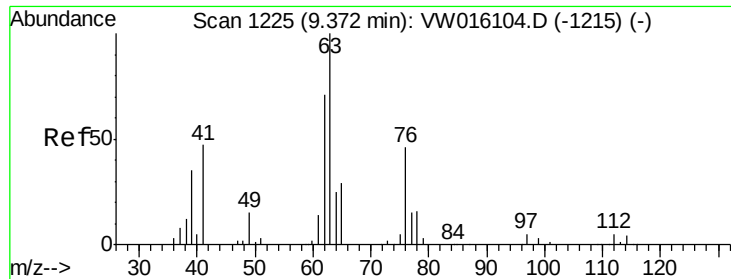
Abundance Ion 95.00 (94.70 to 95.70): VW

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

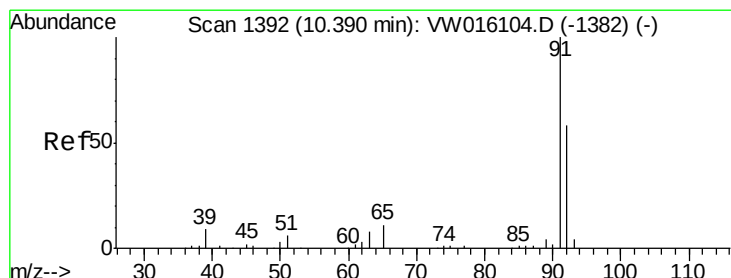
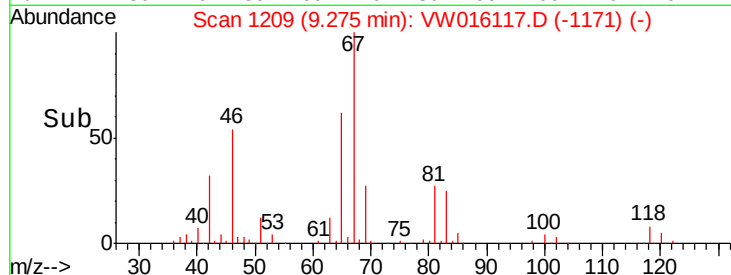
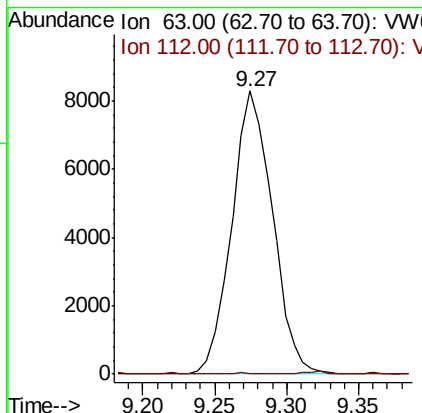
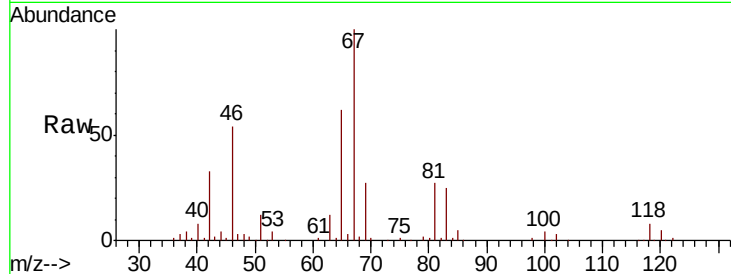




#40
 1,2-Dichloropropane
 Concen: 5.409 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW016117.D
 Acq: 10 Aug 2020 22:16

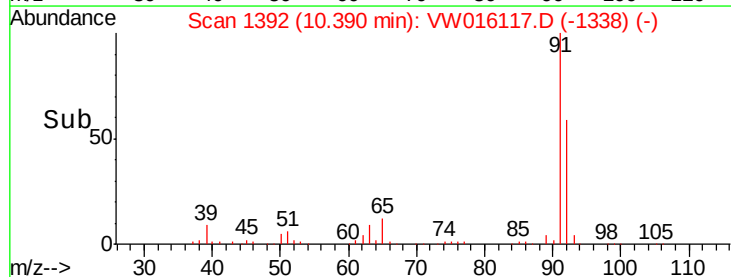
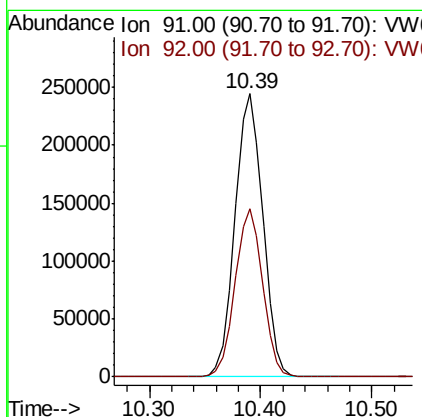
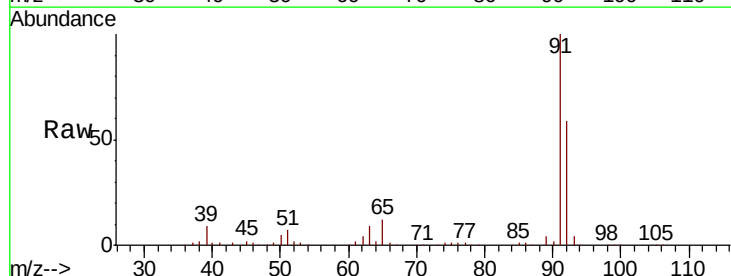
Instrument :
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 GAY64

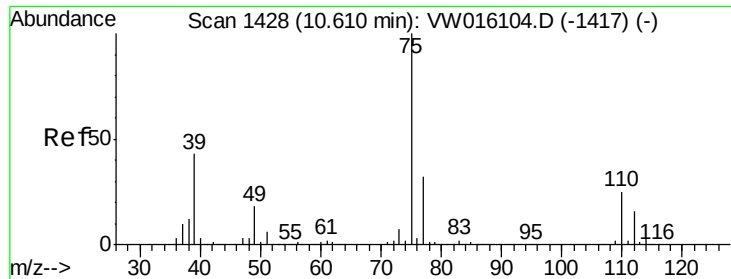
Tot Ion: 63 Resp: 16319
 Ion Ratio Lower Upper
 63 100
 112 0.5 4.0 6.0#



#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 :

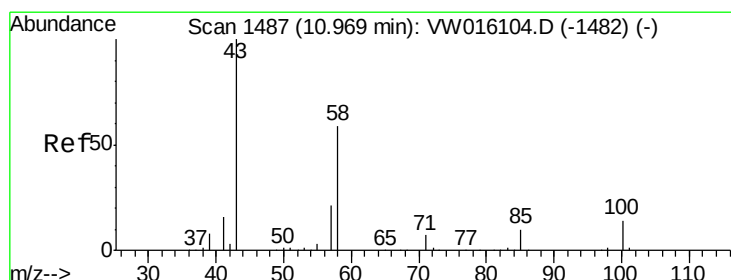
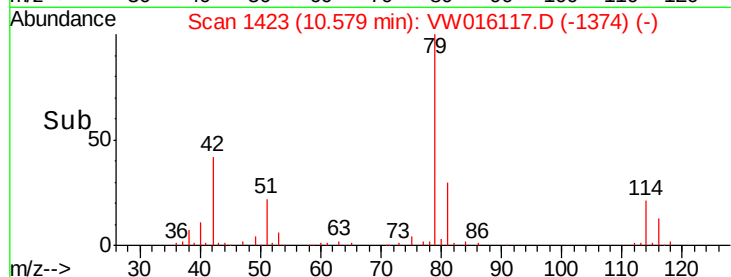
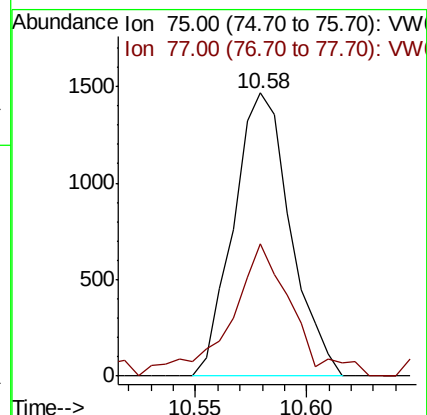
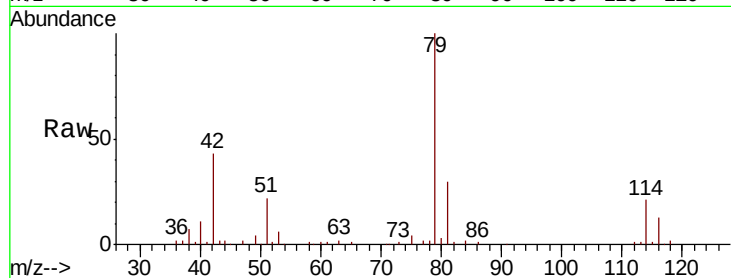
GAY64

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

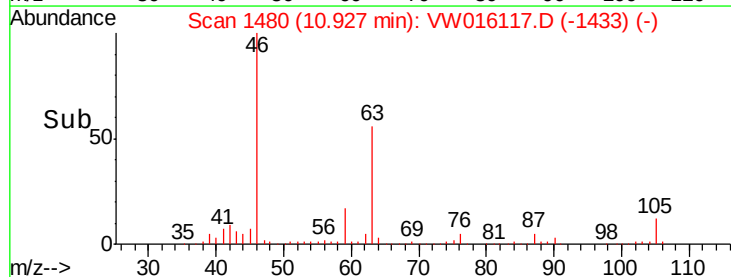
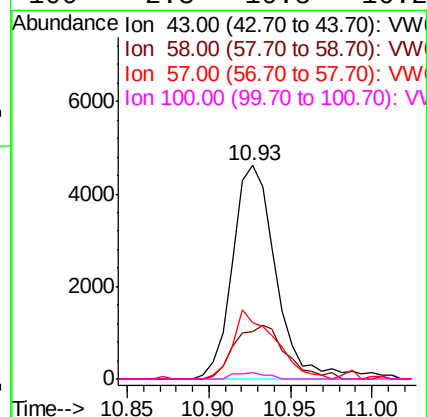
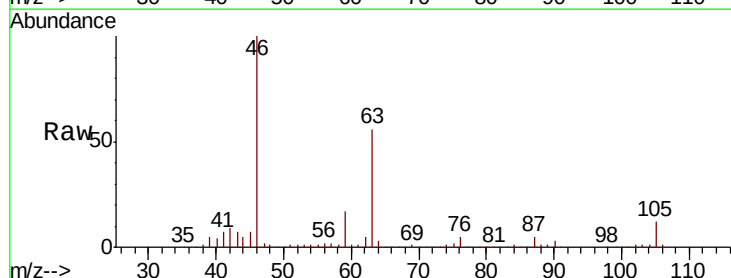
Ion Ratio Lower Upper

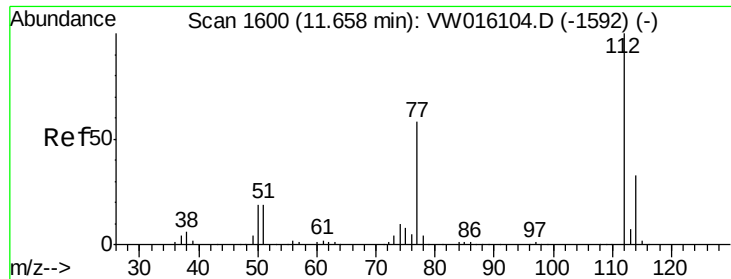
43 100

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 :
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 ClientSampleId :
 GAY64

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

