

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081120\
 Data File : VW016133.D
 Acq On : 11 Aug 2020 14:01
 Operator : SY/VA
 Sample : L3598-13
 Misc : 6.23G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY69

Quant Time: Aug 11 16:10:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	432812	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	399434	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164273	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	114813	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.60%
7) Chloroethane-d5	2.89	69	84955	20.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.44%
10) 1,1-Dichloroethene-d2	4.01	63	183845	16.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.52%
20) 2-Butanone-d5	7.00	46	795	0.56	ug/L	-0.09
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.12%#
24) Chloroform-d	7.65	84	262442	22.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.36%
26) 1,2-Dichloroethane-d4	8.31	65	156822	25.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.68%
29) Benzene-d6	8.27	84	525544	24.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.76%
33) 1,2-Dichloropropane-d6	9.27	67	155646	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
37) Toluene-d8	10.33	98	470138	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.36%
38) trans-1,3-Dichloropropene-	10.58	79	73389	25.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.20%
39) 2-Hexanone-d5	10.93	63	71570	64.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	149546	28.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	145709	25.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.08%

Target Compounds

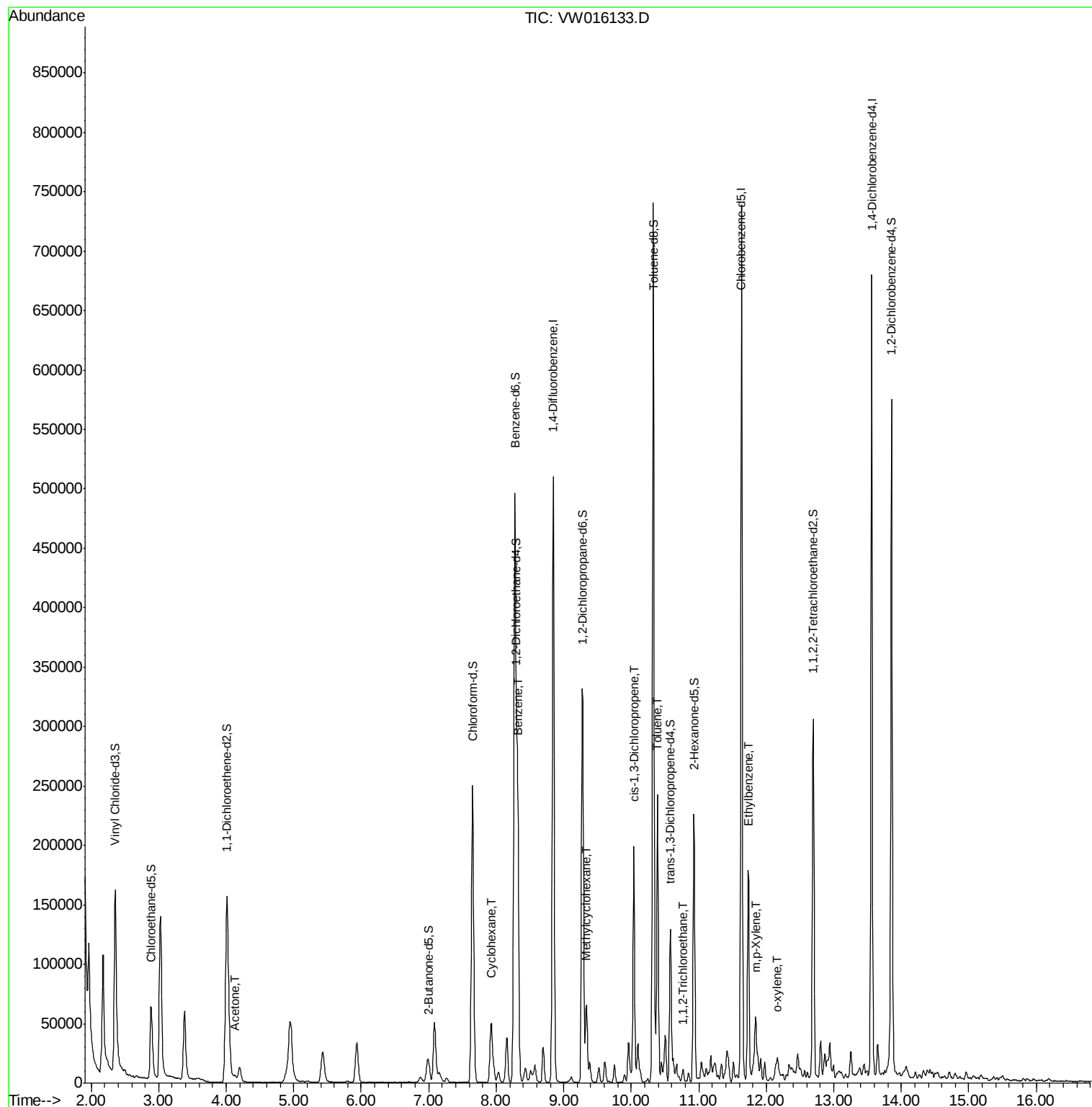
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.13	43	9261	8.670	ug/L	92
30) Cyclohexane	7.93	56	18050	2.077	ug/L #	33
34) Benzene	8.32	78	110217	4.785	ug/L	100
36) Methylcyclohexane	9.34	83	20010	1.961	ug/L	89
42) cis-1,3-Dichloropropene	10.04	75	4889	0.568	ug/L #	63
44) Toluene	10.39	91	175327	7.211	ug/L	99
46) 1,1,2-Trichloroethane	10.77	97	2872	0.645	ug/L #	28
53) Ethylbenzene	11.73	91	124045	4.496	ug/L	97
54) m,p-Xylene	11.84	106	12871	1.240	ug/L	91
55) o-xylene	12.17	106	4082	0.418	ug/L	88

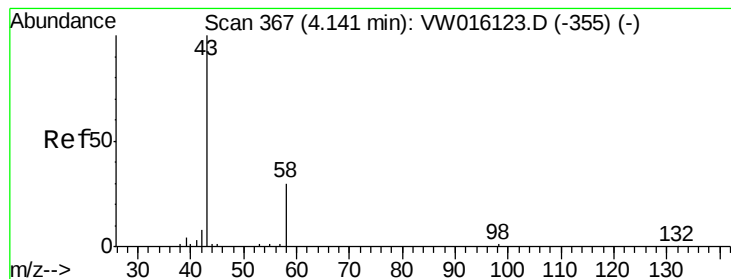
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 11 16:06:11 2020
Response via : Initial Calibration





#13

Acetone

Concen: 8.670 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016133.D

Acq: 11 Aug 2020 14:01

Instrument :

MSVOA_W

ClientSampled :

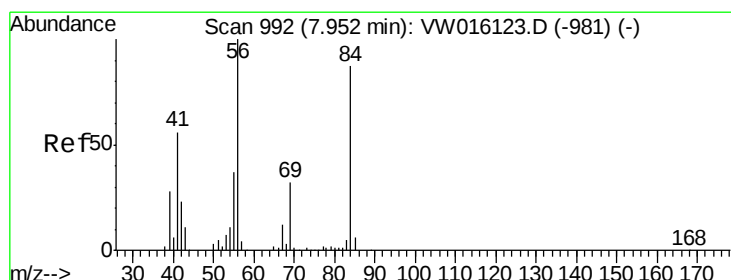
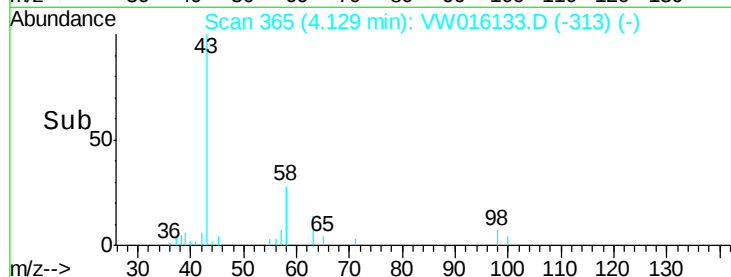
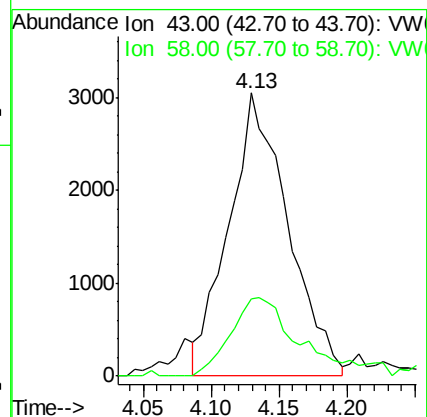
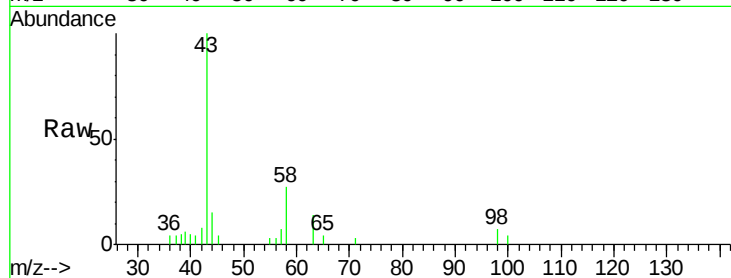
GAY69

Tgt Ion: 43 Resp: 9261

Ion Ratio Lower Upper

43 100

58 25.4 0.0 59.4



#30

Cyclohexane

Concen: 2.077 ug/L

RT: 7.93 min Scan# 988

Delta R.T. -0.02 min

Lab File: VW016133.D

Acq: 11 Aug 2020 14:01

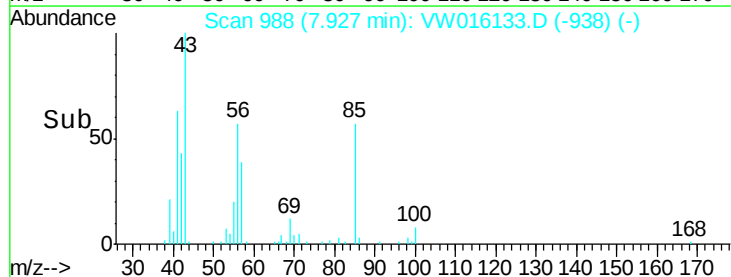
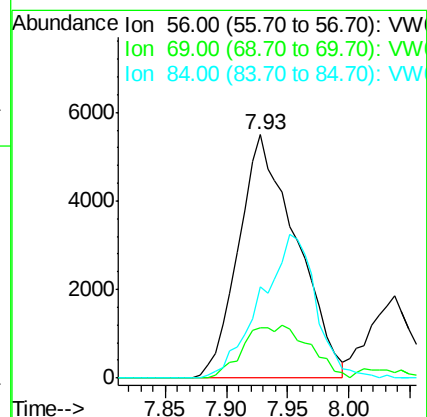
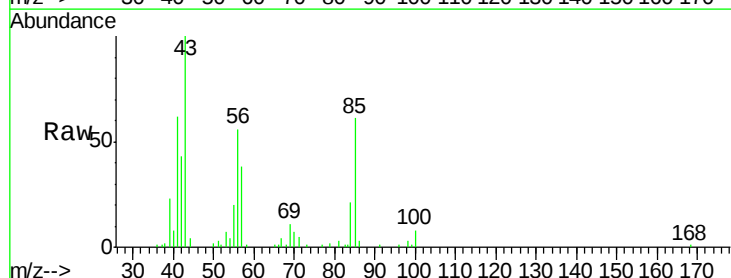
Tgt Ion: 56 Resp: 18050

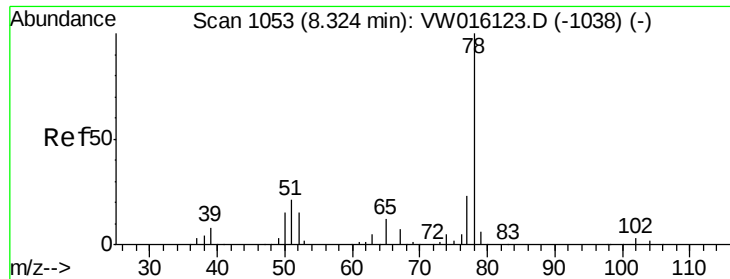
Ion Ratio Lower Upper

56 100

69 12.6 25.4 38.0#

84 16.3 73.0 109.6#





#34

Benzene

Concen: 4.785 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW016133.D

Acq: 11 Aug 2020 14:01

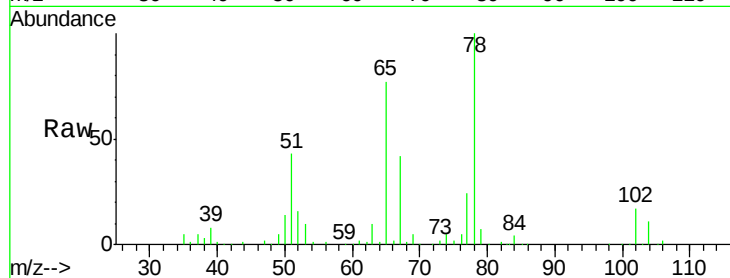
Instrument :

MSVOA_W

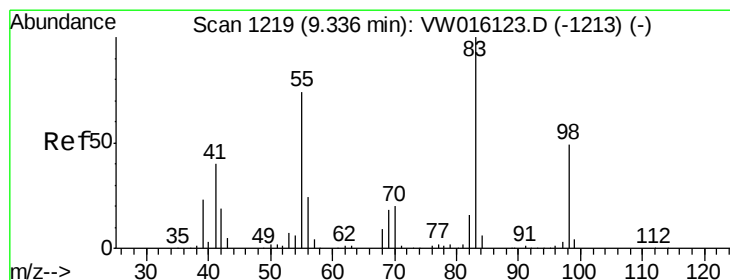
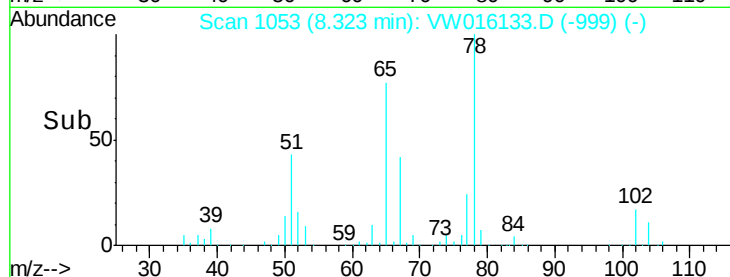
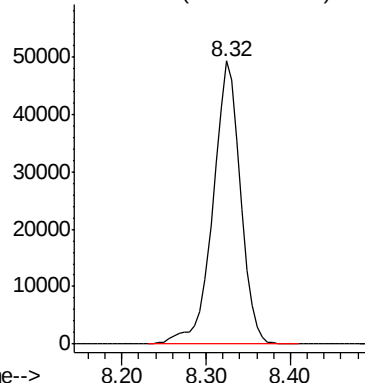
ClientSampleId :

GAY69

Tgt Ion: 78 Resp: 110217



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 1.961 ug/L

RT: 9.34 min Scan# 1220

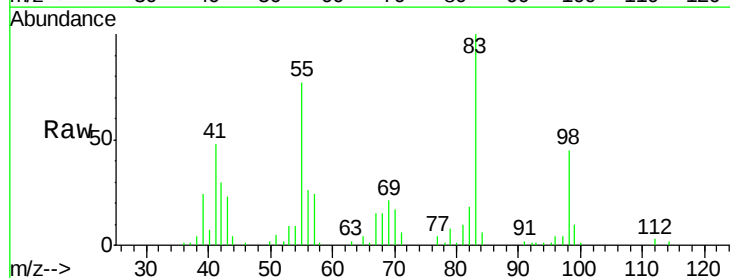
Delta R.T. 0.01 min

Lab File: VW016133.D

Acq: 11 Aug 2020 14:01

Tgt Ion: 83 Resp: 20010

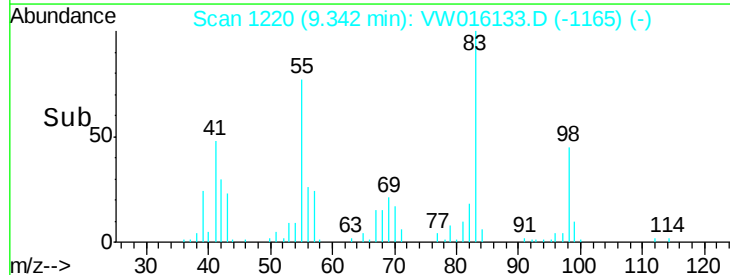
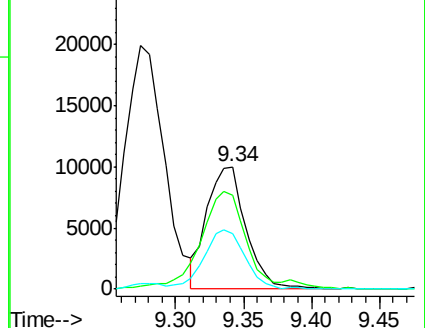
Ion	Ratio	Lower	Upper
83	100		
55	90.0	60.7	91.1
98	50.3	39.4	59.0

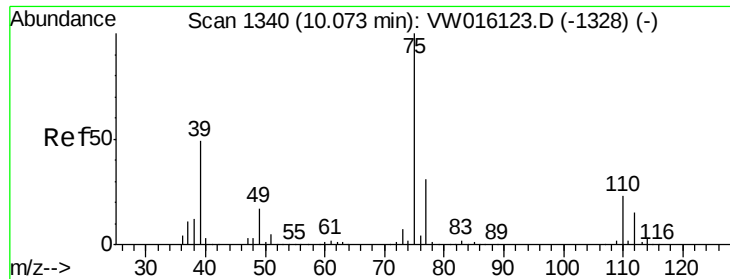


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.568 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016133.D

Acq: 11 Aug 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

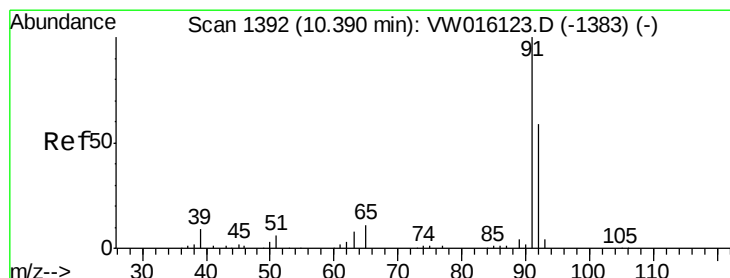
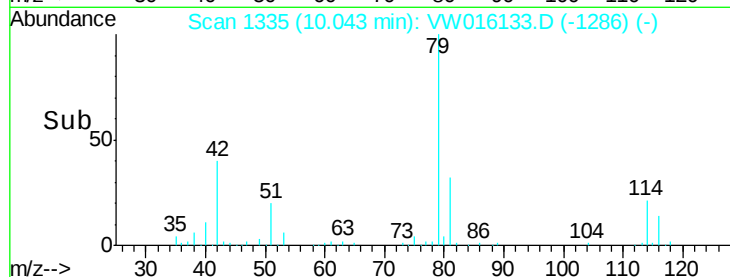
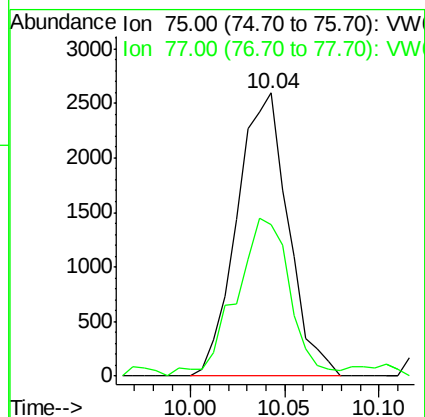
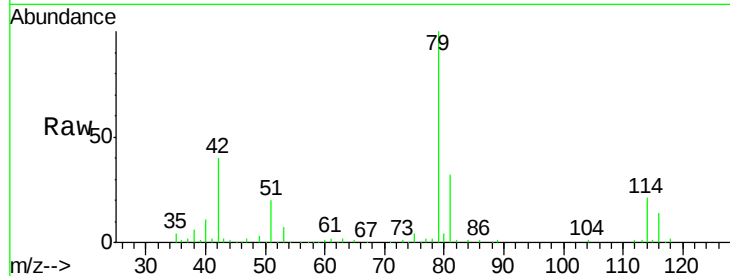
GAY69

Tgt Ion: 75 Resp: 4889

Ion Ratio Lower Upper

75 100

77 53.7 22.9 42.5#



#44

Toluene

Concen: 7.211 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016133.D

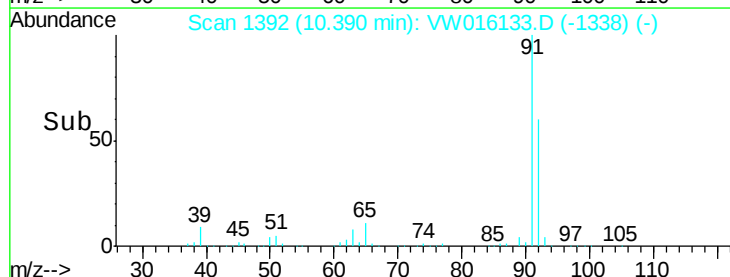
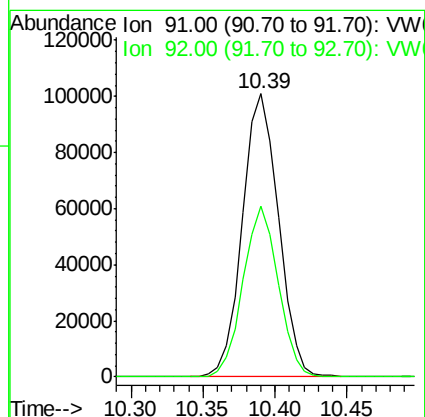
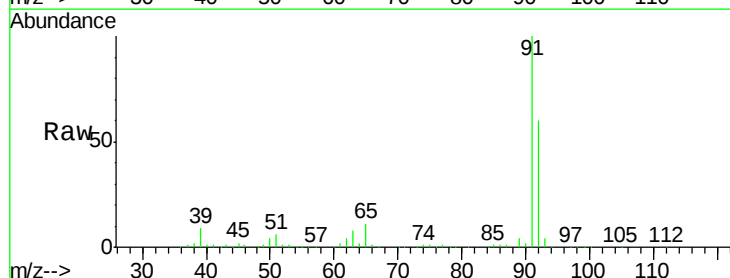
Acq: 11 Aug 2020 14:01

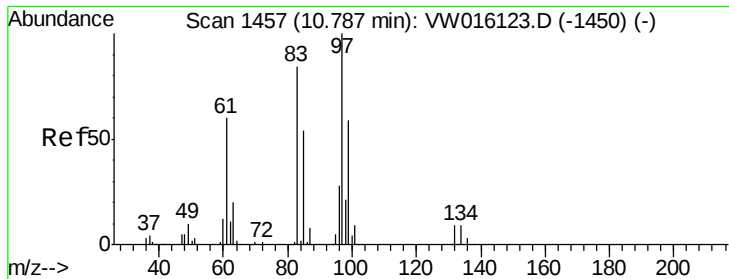
Tgt Ion: 91 Resp: 175327

Ion Ratio Lower Upper

91 100

92 60.1 41.8 77.6

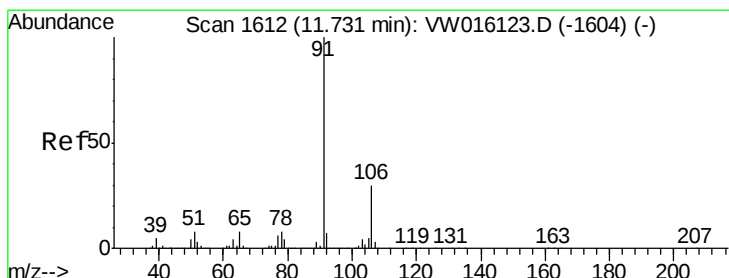
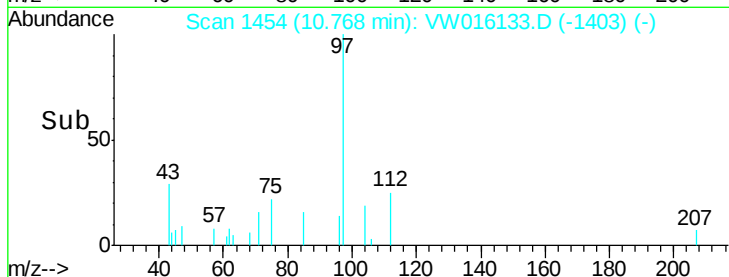
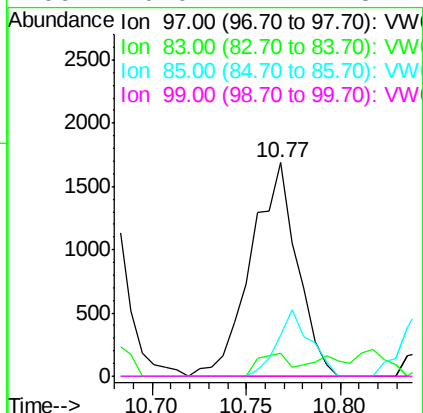
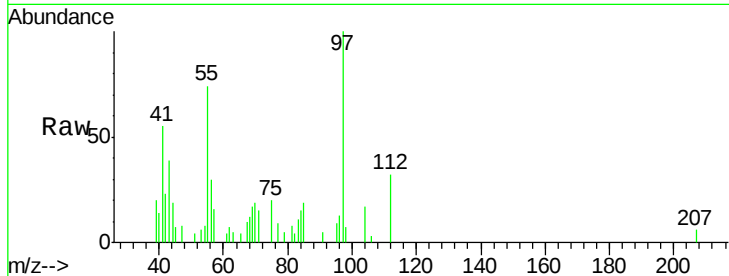




#46
 1,1,2-Trichloroethane
 Concen: 0.645 ug/L
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW016133.D
 Acq: 11 Aug 2020 14:01

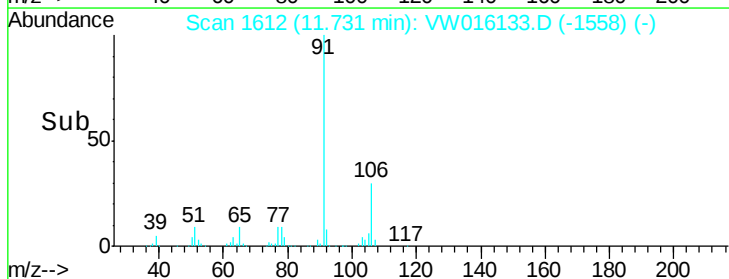
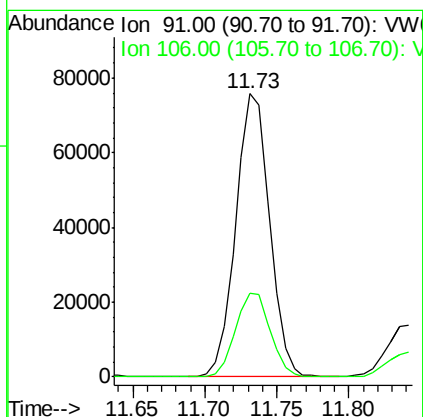
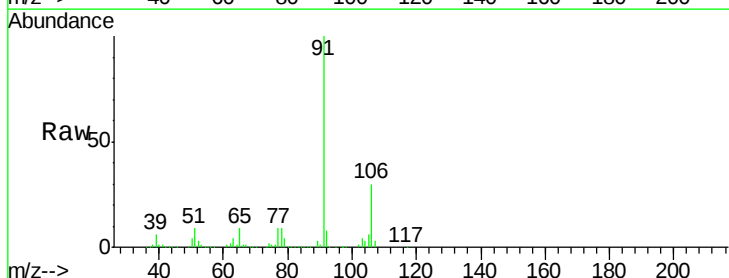
Instrument :
 MSVOA_W
 ClientSampleId :
 GAY69

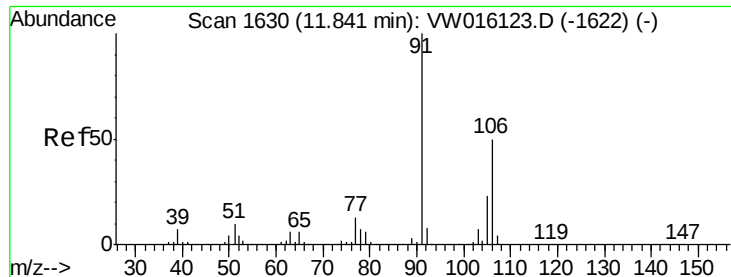
Tgt Ion: 97 Resp: 2872
 Ion Ratio Lower Upper
 97 100
 83 11.0 57.8 107.4#
 85 19.0 38.0 70.6#
 99 0.0 44.4 82.4#



#53
 Ethylbenzene
 Concen: 4.496 ug/L
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW016133.D
 Acq: 11 Aug 2020 14:01

Tgt Ion: 91 Resp: 124045
 Ion Ratio Lower Upper
 91 100
 106 29.6 21.8 40.4

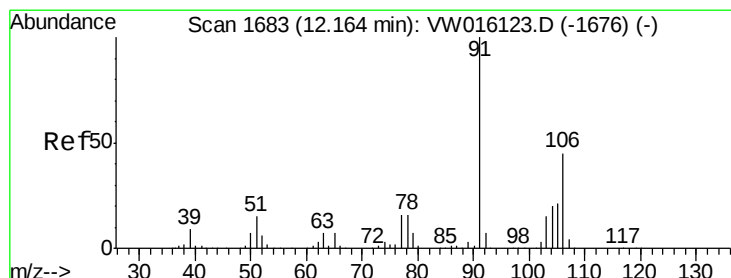
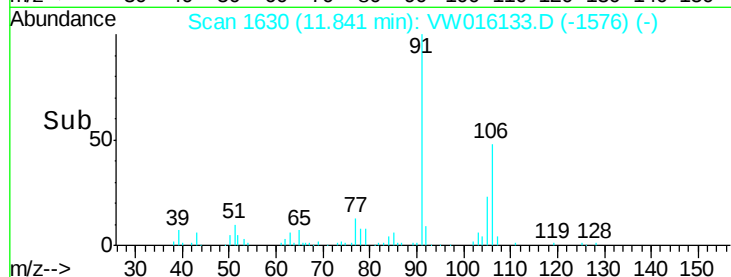
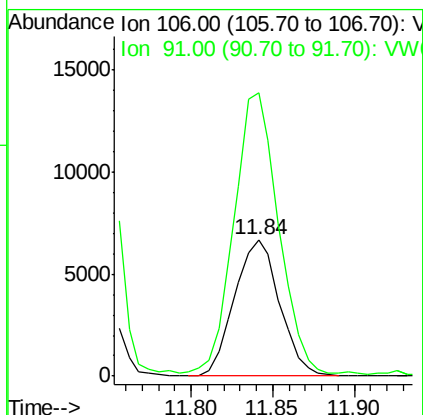
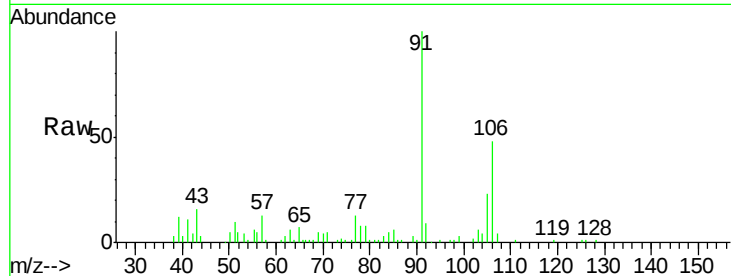




#54
m,p-Xylene
Concen: 1.240 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016133.D
Acq: 11 Aug 2020 14:01

Instrument :
MSVOA_W
ClientSampled :
GAY69

Tgt Ion:106 Resp: 12871
Ion Ratio Lower Upper
106 100
91 207.5 136.4 253.2



#55
o-xylene
Concen: 0.418 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016133.D
Acq: 11 Aug 2020 14:01

Tgt Ion:106 Resp: 4082
Ion Ratio Lower Upper
106 100
91 197.9 151.3 281.1

