

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
 Data File : VW015963.D
 Acq On : 27 Jul 2020 11:44
 Operator : SY/VA
 Sample : L3458-02
 Misc : 4.32G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY30

Quant Time: Jul 28 01:37:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 28 01:36:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	293362	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	256156	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	100733	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	86923	21.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.00%
7) Chloroethane-d5	2.89	69	67827	20.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.68%
10) 1,1-Dichloroethene-d2	4.01	63	125989	15.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.20%
20) 2-Butanone-d5	7.09	46	122760	112.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	225.80%#
24) Chloroform-d	7.65	84	162470	19.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.88%
26) 1,2-Dichloroethane-d4	8.31	65	101024	22.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.36%
29) Benzene-d6	8.28	84	329830	21.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.60%
33) 1,2-Dichloropropane-d6	9.28	67	102798	21.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.96%
37) Toluene-d8	10.33	98	288015	20.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.56%
38) trans-1,3-Dichloropropene-	10.59	79	44420	22.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.20%
39) 2-Hexanone-d5	10.93	63	87615	112.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	225.14%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119179	33.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	132.68%#
61) 1,2-Dichlorobenzene-d4	13.86	152	84845	21.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.40%

Target Compounds

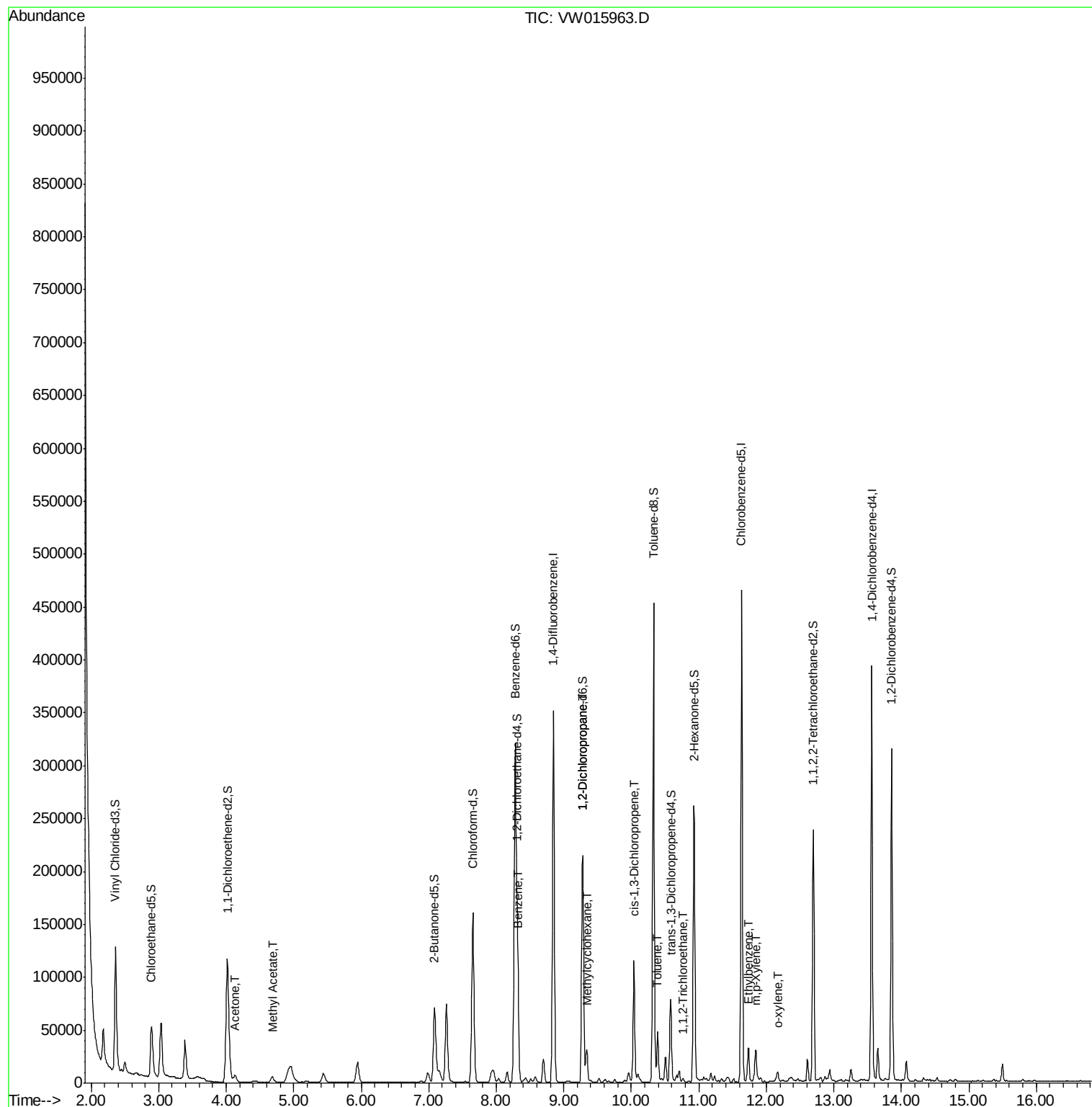
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.14	43	10138	11.102	ug/L	75
15) Methyl Acetate	4.68	43	10444	6.066	ug/L	96
34) Benzene	8.33	78	13233	0.851	ug/L	100
36) Methylcyclohexane	9.34	83	11186	1.584	ug/L	91
40) 1,2-Dichloropropane	9.28	63	11214	2.910	ug/L #	88
42) cis-1,3-Dichloropropene	10.04	75	2678	0.456	ug/L #	58
44) Toluene	10.39	91	33761	2.069	ug/L	98
46) 1,1,2-Trichloroethane	10.76	97	1240	0.447	ug/L #	21
53) Ethylbenzene	11.74	91	21930	1.195	ug/L	98
54) m,p-Xylene	11.84	106	5971	0.870	ug/L	93
55) o-xylene	12.17	106	2268	0.351	ug/L	97

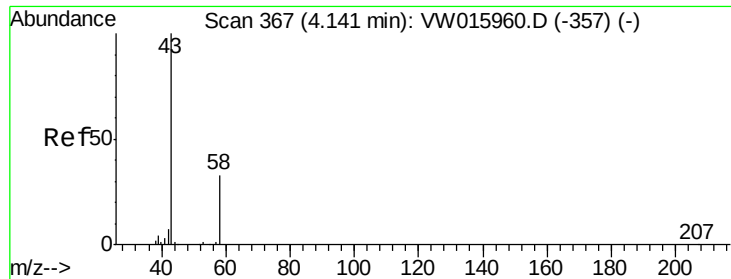
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 28 01:36:11 2020
Response via : Initial Calibration





#13

Acetone

Concen: 11.102 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW015963.D

Acq: 27 Jul 2020 11:44

Instrument :

MSVOA_W

ClientSampled :

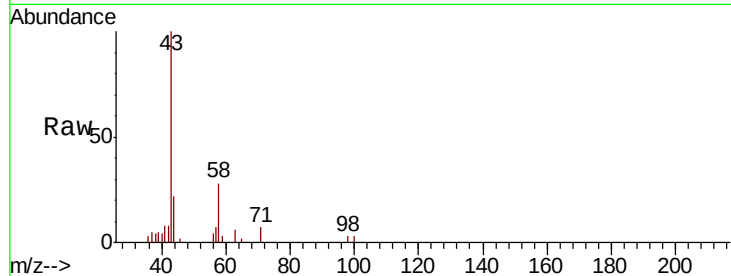
GAY30

Tot Ion: 43 Resp: 10138

Ion Ratio Lower Upper

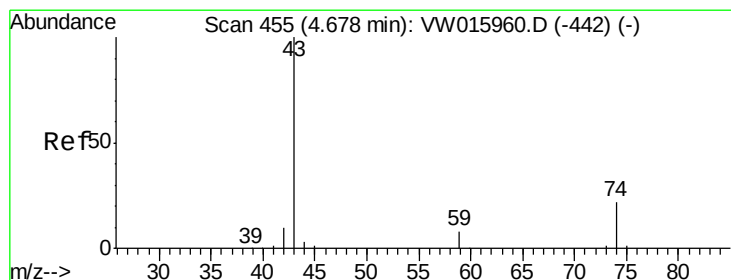
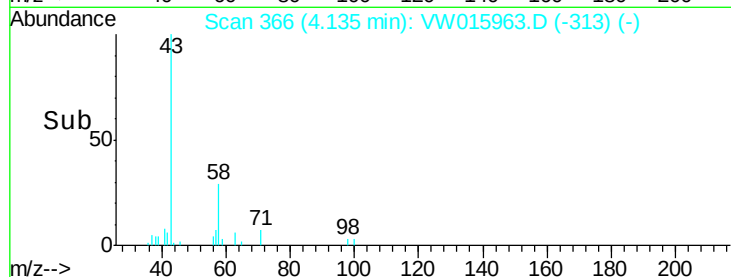
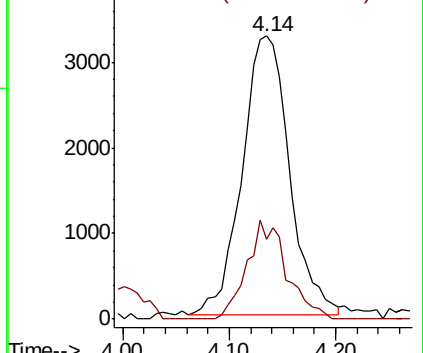
43 100

58 15.9 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#15

Methyl Acetate

Concen: 6.066 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015963.D

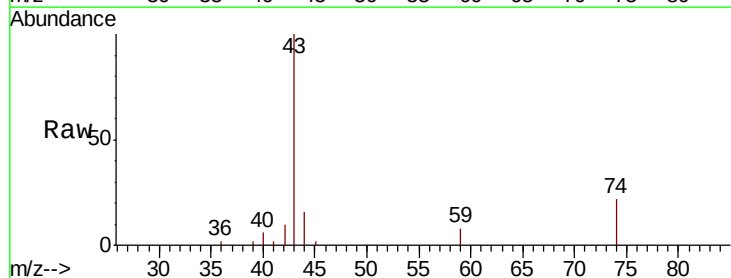
Acq: 27 Jul 2020 11:44

Tgt Ion: 43 Resp: 10444

Ion Ratio Lower Upper

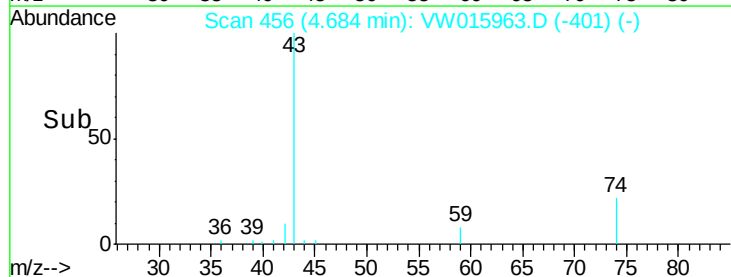
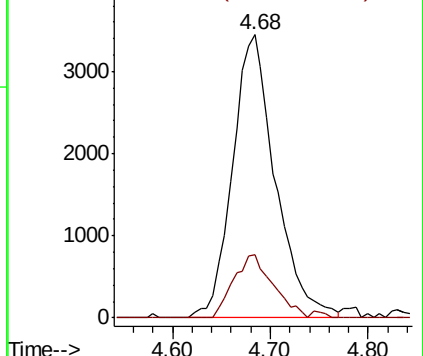
43 100

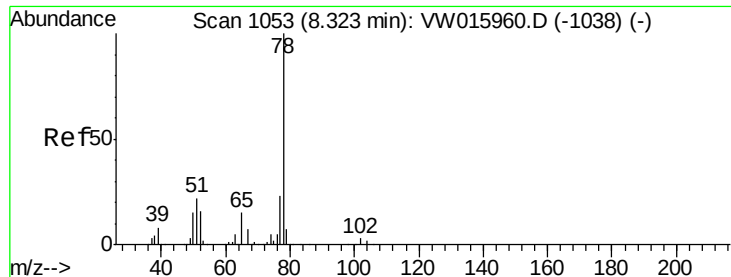
74 20.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#34

Benzene

Concen: 0.851 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015963.D

Acq: 27 Jul 2020 11:44

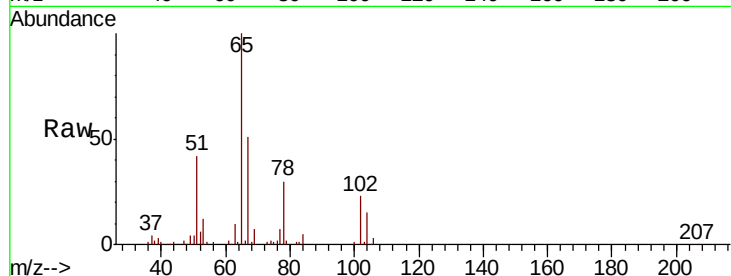
Instrument :

MSVOA_W

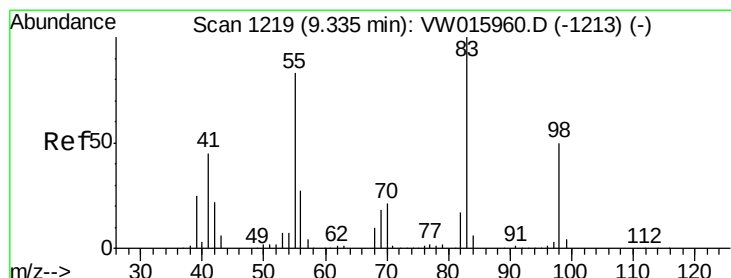
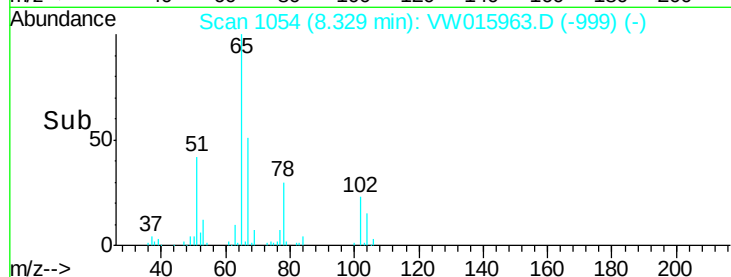
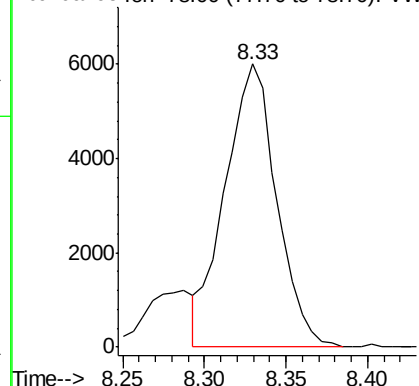
ClientSampled :

GAY30

Tgt Ion: 78 Resp: 13233



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 1.584 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW015963.D

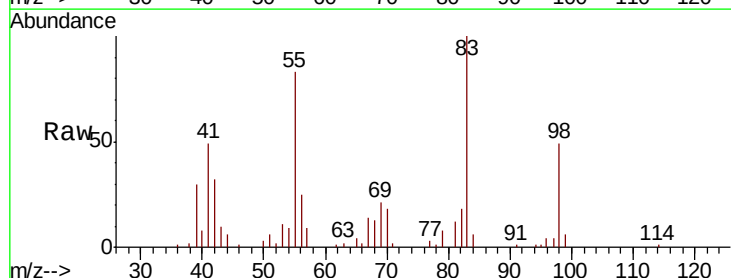
Acq: 27 Jul 2020 11:44

Tgt Ion: 83 Resp: 11186

Ion	Ratio	Lower	Upper
83	100		

55	90.5	63.5	95.3
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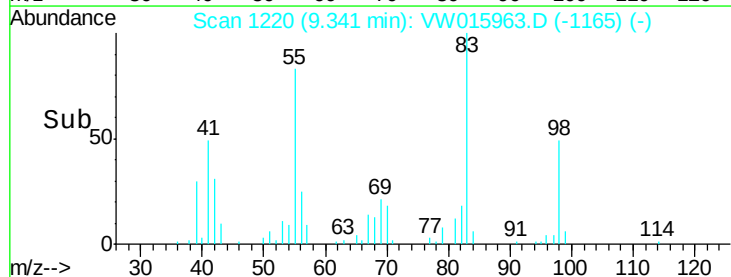
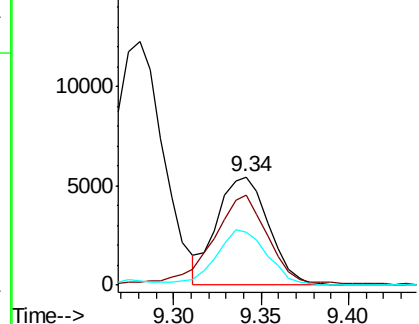
98	50.0	39.0	58.4
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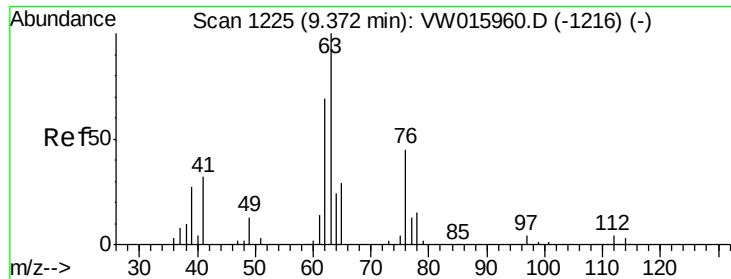


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

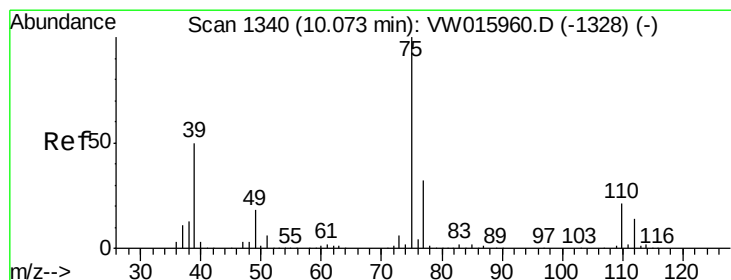
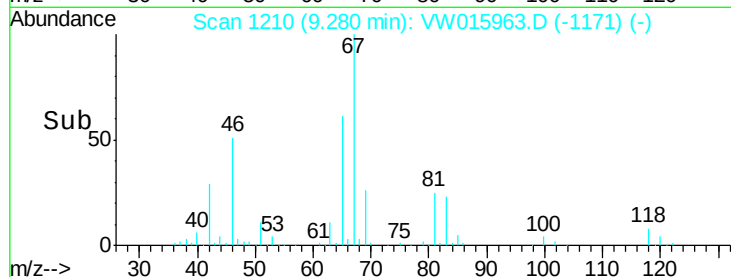
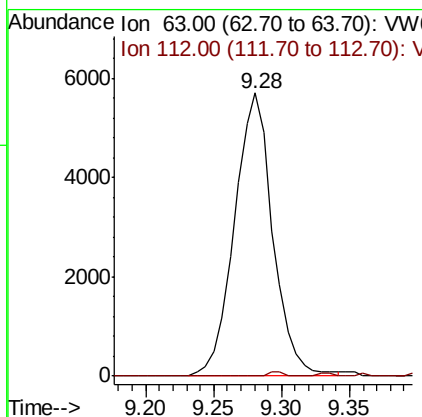
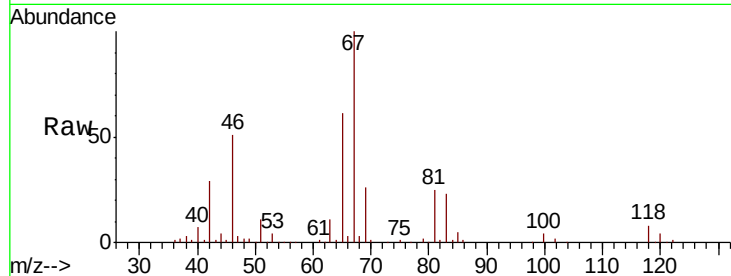




#40
 1,2-Dichloropropane
 Concen: 2.910 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW015963.D
 Acq: 27 Jul 2020 11:44

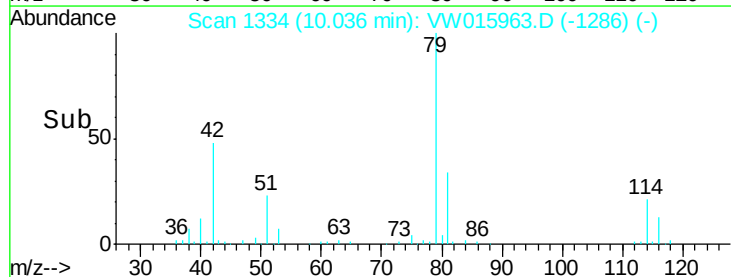
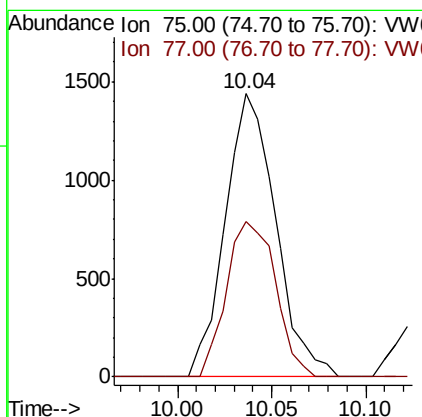
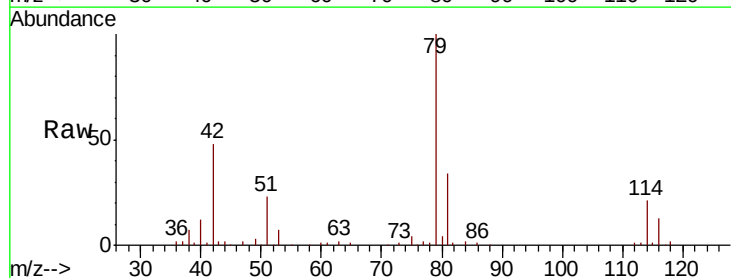
Instrument :
 MSVOA_W
 ClientSampleId :
 GAY30

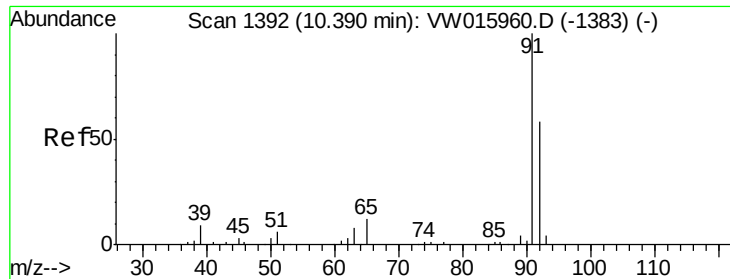
Tot Ion: 63 Resp: 11214
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.7 5.5#



#42
 cis-1,3-Dichloropropene
 Concen: 0.456 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW015963.D
 Acq: 27 Jul 2020 11:44

Tgt Ion: 75 Resp: 2678
 Ion Ratio Lower Upper
 75 100
 77 54.8 22.2 41.2#





#44

Toluene

Concen: 2.069 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015963.D

Acq: 27 Jul 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

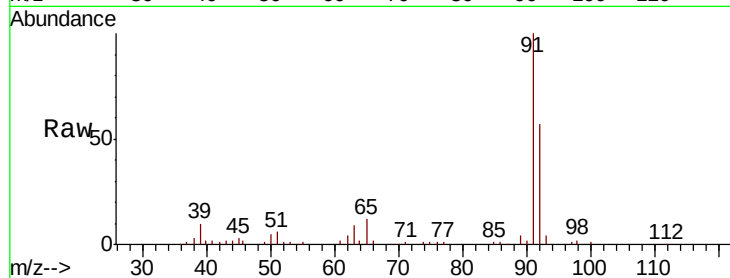
GAY30

Tot Ion: 91 Resp: 33761

Ion Ratio Lower Upper

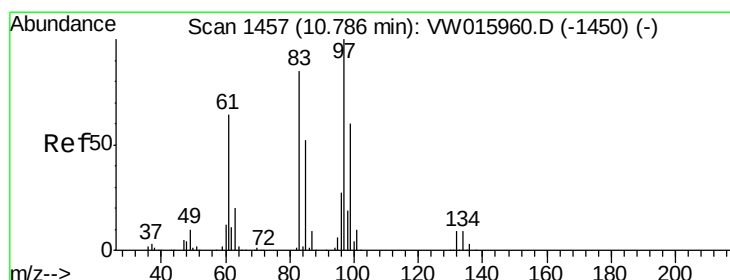
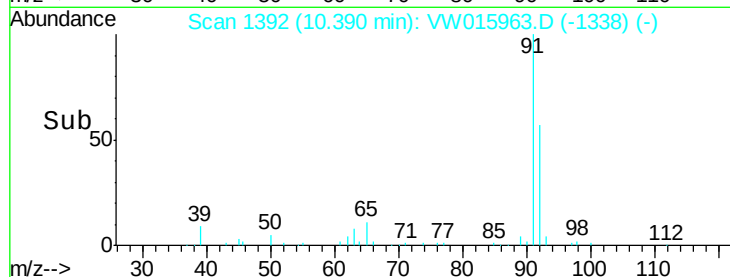
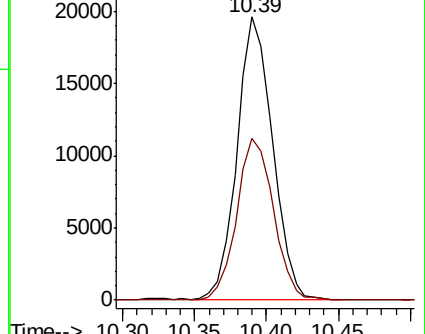
91 100

92 57.2 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#46

1,1,2-Trichloroethane

Concen: 0.447 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW015963.D

Acq: 27 Jul 2020 11:44

Tgt Ion: 97 Resp: 1240

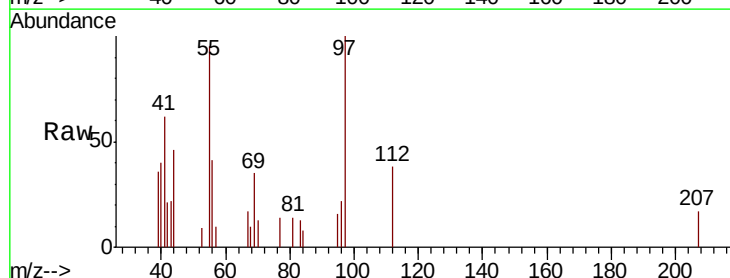
Ion Ratio Lower Upper

97 100

83 12.7 60.6 112.6#

85 0.0 38.9 72.2#

99 0.0 43.1 80.1#

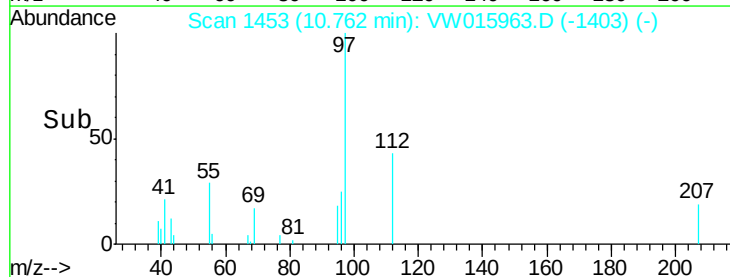
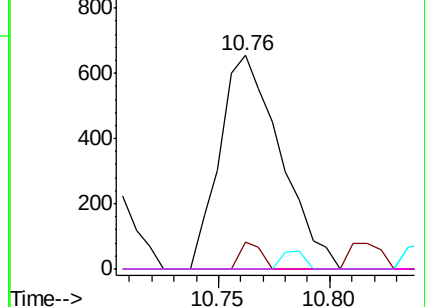


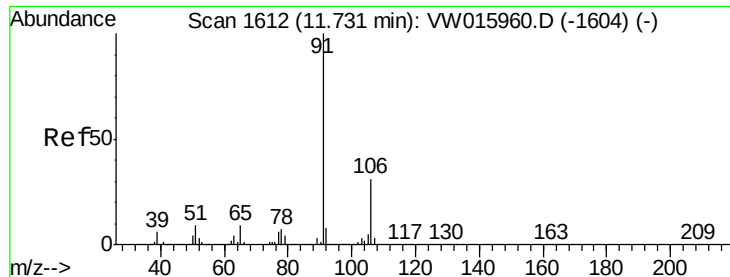
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW





#53

Ethylbenzene

Concen: 1.195 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW015963.D

Acq: 27 Jul 2020 11:44

Instrument :

MSVOA_W

ClientSampled :

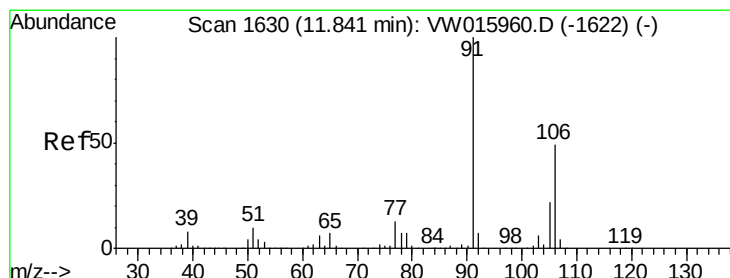
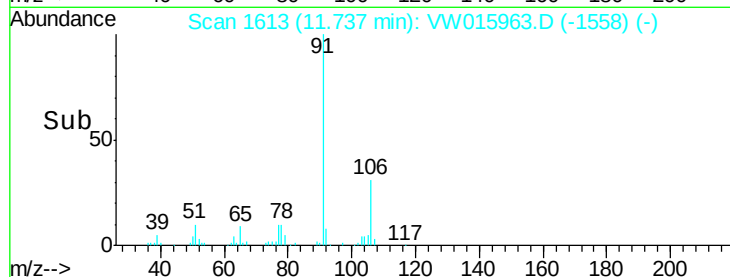
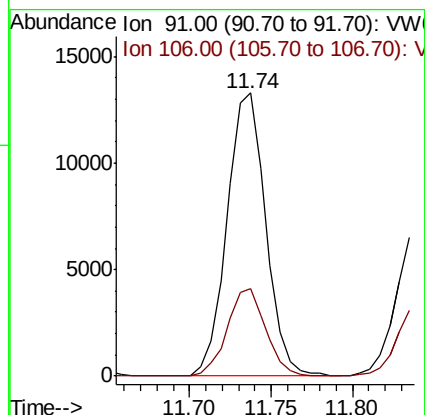
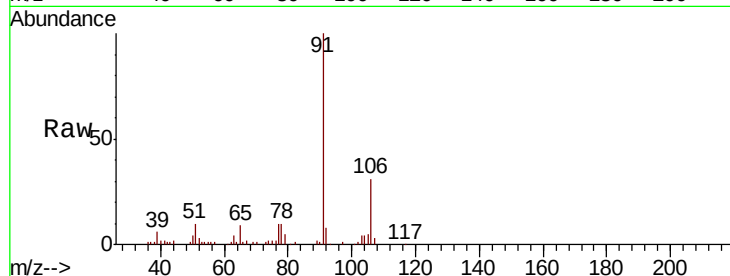
GAY30

Tot Ion: 91 Resp: 21930

Ion Ratio Lower Upper

91 100

106 30.8 22.4 41.6



#54

m,p-Xylene

Concen: 0.870 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015963.D

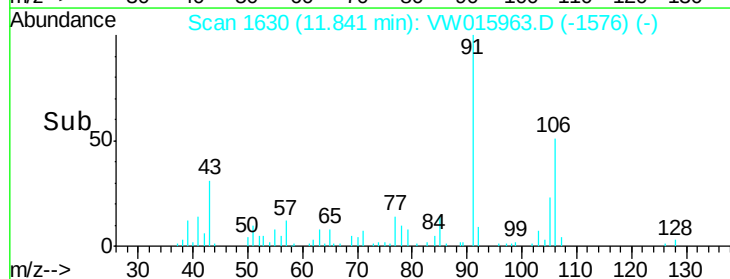
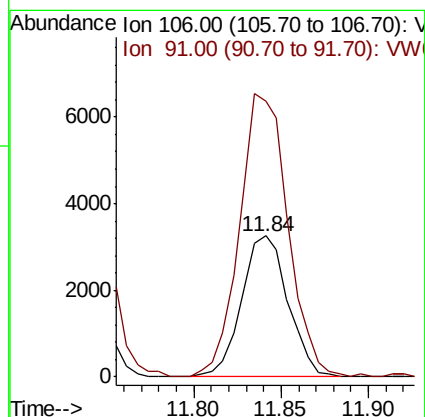
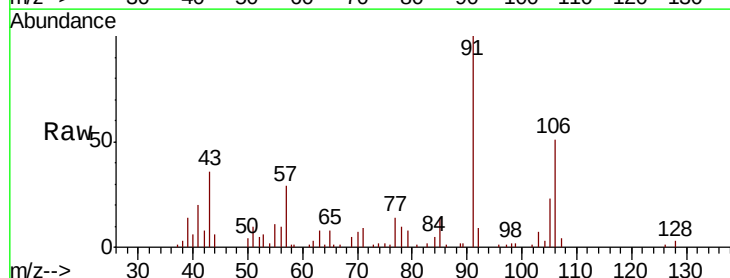
Acq: 27 Jul 2020 11:44

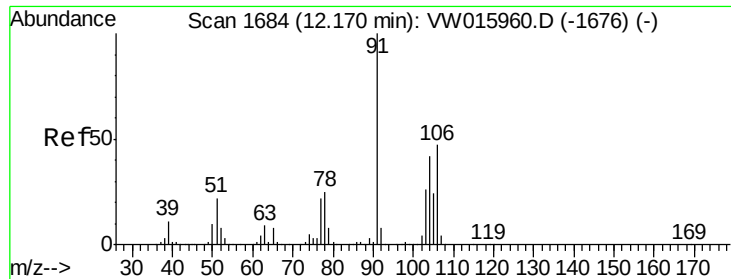
Tgt Ion: 106 Resp: 5971

Ion Ratio Lower Upper

106 100

91 195.7 144.1 267.5





#55
 o-xylene
 Concen: 0.351 ug/L
 RT: 12.17 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VW015963.D
 Acq: 27 Jul 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY30

Tot Ion:106 Resp: 2268
 Ion Ratio Lower Upper
 106 100
 91 204.7 146.8 272.6

